October 25, 2022

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

EM-AT&T-064-221027

Re: Exempt Modification Request – AT&T Site 14090117
AT&T Wireless Telecommunications Facility @ 289 Mountain Street, Hartford, CT 06106

Dear Ms. Bachman,

New Cingular Wireless ("AT&T") desires to modify an existing wireless telecommunications facility at the above referenced address. Enclosed please find a check in the amount of Six Hundred and Twenty Five Dollars ($625.00); an original and two (2) copies of the following documents: the CSC Exempt Modification letter; a Letter of Authorization from the tower owner; the GIS property map; a set of Construction Drawings; a Structural Analysis Report; an Antenna Mount Analysis Report; an EME Study Report; and four (4) Notice Confirmations.

If you have any questions, please feel free to contact me; I can be reached at 443-677-0144 or via email at jmandrews@clinellc.com. Thank you for your kind cooperation in this matter

Respectfully Submitted,

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046
443-677-0144

October 18, 2022

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

Re: Exempt Modification Request – AT&T Site 14090117
AT&T Wireless Telecommunications Facility @ 289 Mountain Street, Hartford, CT 06106

Dear Ms. Bachman,

AT&T Wireless ("AT&T") is proposing to modify an existing wireless telecommunications facility on an existing one hundred and ten (110) foot tall monopole tower at 289 Mountain Street, Hartford, CT 06106 (Latitude: 41.72656944 Longitude: -72.70816944) and within the existing fenced compound. The monopole tower is owned and operated by American Tower Corporation. The subject property is owned by the Metropolitan District Bureau of Public Works.

AT&T proposes to remove twelve (12) antennas, twelve (12) RRHs, and one (1) squid; and install mount modifications, twelve (12) replacement antennas, six (6) RRHs, one (1) squid, one (1) DC trunk, three (3) Y cables, and one (1) fiber trunk. Groundwork involves removing six (6) 10250 diplexers, six (6) triplexers, and six (6) 1V92 diplexers and six (6) RRUWs; and installing one (1) 6648 with XCEDE cable, one 5216 unit and one (1) 6630+IDLE. These modifications are more particularly detailed and described on the enclosed Construction Drawings dated 6/20/22, and the Modification Drawings dated 10/7/22. No increase in tower height or compound expansion are proposed.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies 16-50aa, of AT&T's intent to modify a telecommunications facility pursuant to R.C.S.A. 16-50j-88. In accordance with R.C.S.A §16-50j-73, a copy of this letter is being sent to the following individuals: American Tower Corporation as Tower Operator/Owner; the Metropolitan District as Property Owner; the Honorable Luke Bronin as Mayor of the City of Hartford and Charles Mathews, Director of Development Services for the City of Hartford.

The applicant's proposal falls squarely within those activities explicitly provided for in R.C.S.A. §16-50j-89. Specifically:

Jack Andrews, Zoning Manager • 10130 Donleigh Drive, Columbia, MD 21046 • (443) 677-0144 • jmandrews@clinellc.com
Centerline Communications • 750 W Center Street, Suite 301, W Bridgewater, MA 02379

1. The proposed modifications will NOT result in an increase in the height of the existing structure.
2. The proposed modifications will NOT require an extension of the site boundary.
3. The proposed modifications will NOT increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will NOT increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. Please see the RF emissions calculation for AT&T's modified facility enclosed herewith.
5. The proposed modifications will NOT cause an ineligible change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading. Please see the structural analysis and Modification drawings enclosed herewith.

Connecticut General Statute 16-50aa indicates that the Council must approve the Exempt Modification of a telecommunications facility provided it finds the shared use is technically, legally, environmentally, and economically feasible and meets public safety concerns. As demonstrated in this letter, AT&T respectfully indicates that the use of this facility satisfies these criteria:

A. Technical Feasibility. The existing monopole has been deemed structurally capable of supporting AT&T's proposed loading (see attached Structural Analysis).

B. Legal Feasibility. As referenced above, C.G.S. 16-50aa has been authorized to issue orders approving the use of an existing tower. Under the authority granted to the Council, an order of the Council approving the requested modification would permit AT&T to obtain a building permit for the proposed installation. Further, a Letter of Authorization is attached, authorizing AT&T to file this application for shared use.

C. Environmental Feasibility. The proposed modifications to this facility would have a minimal environmental impact. The replacement of AT&T equipment would have an insignificant visual impact on the area around the tower. AT&T ground equipment would be installed within the existing facility compound. AT&T modifications would therefore not cause any significant alteration in the physical or environmental characteristics of the existing site. Additionally, as evidenced by the attached EME study, the proposed antennas would not increase radio frequency emissions to a level at or above the Federal Communications Commission safety standard.

D. Economic Feasibility. AT&T has entered into an agreement with the owner of this facility to mutually agreeable terms. As previously mentioned, the Letter of Authorization has been provided by the owner to assist AT&T with this tower sharing application.

E. Public Safety Concerns. As discussed above, the tower is structurally capable of supporting the proposed loading. AT&T is not aware of any public safety concerns relative to the proposed sharing of the existing tower. AT&T's intentions of providing new and improved wireless service

Jack Andrews, Zoning Manager • 10130 Donleigh Drive, Columbia, MD 21046 • (443) 677-0144 • jmandrews@clinellc.com
Centerline Communications • 750 W Center Street, Suite 301, W Bridgewater, MA 02379

through the shared use of this facility is expected to enhance the safety and welfare of local residents and individuals traveling through Hartford.

For the foregoing reasons, AT&T respectfully requests that the Council approve this request for the exempt modification of this tower located at 289 Mountain Street, Hartford, CT 06106.

If you have any questions, please feel free to contact me.

Sincerely,

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046
443-677-0144

Enclosures:

Exhibit 1 – Letter of Authorization from tower owner
Exhibit 2 – Property Card and GIS
Exhibit 3 – Construction Drawings
Exhibit 4 – Modification Drawings
Exhibit 5 – Structural Analysis Report
Exhibit 6 – Antenna Mount Analysis Report
Exhibit 7 – EME Study Report
Exhibit 8 – Original Tower Approval
Exhibit 9 – (4) Notice Confirmations

Cc:

American Tower Corporation – Tower Operator/Owner
Metropolitan District Bureau of Public Works – Property Owner
The Honorable Luke Bronin - Mayor of the City of Hartford
Charles Mathews - Director of Hartford Development Services

City of Hartford Property Viewer

Search...

Tool

Tool Labels

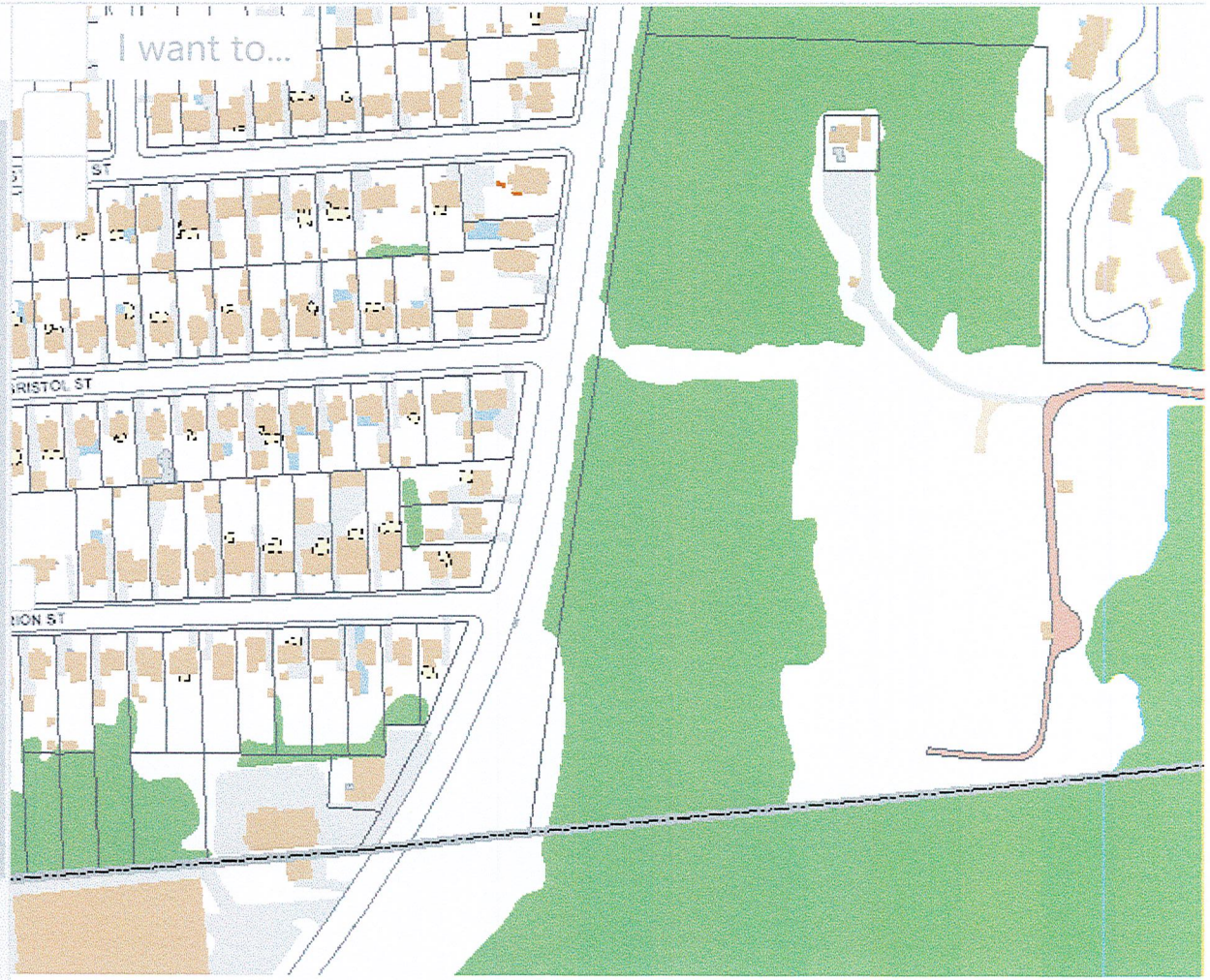
Home

Welcome to the City of Hartford Property Viewer.

This website is mobile friendly so you can access it on a Computer, Tablet or Mobile Phone.

You can use this website to locate Owner & Property information for properties in the City.

- You can zoom in and out on the map using your mouse wheel or the +/- buttons in the upper left as the Parcels become visible you can use the Identify Tool in the upper left to select a parcel. Then select the **>** twice in the Results window to get information about the selected property
- By using the search window in the upper right and pressing the magnifying glass you can search by Owners Last Name (ex. enter Sanchez), Parcel ID (ex. enter 152186096), or Address (ex. enter 220 blue hills). Then select the **>** in the Search Results to get information about the selected property.



289 Mountain Street, Hartford, CT

Home Layers Streets

0 150 300ft

Card 1 of 1

Location 289-H MOUNTAIN ST	Property Account Number	Parcel ID 144-714-128

Old Parcel ID --

Current Property Mailing Address

Owner METROPOLITAN DISTRICT BUREAU OF PUBLIC WORKS

Address 555 MAIN ST

City HARTFORD
State CT
Zip 06103-2915
Zoning CAMP

Current Property Sales Information

Sale Date 5/1/1990
Sale Price 250

Legal Reference 03061 0053
Grantor(Seller) PRACHNIAKEDWARD J.

Current Property Assessment

Card 1 Value

Card 1 of 1

Location 289-H MOUNTAIN ST	Property Account Number	Parcel ID 144-714-129

Old Parcel ID I-E PEN 16-10835-

Current Property Mailing Address

Owner SPRINGWHICH CELLULAR TOWER HOLDINGS LLC	City ST LOUIS
	State MO
Address 909 CHESTNUT, RM 36-M-1	Zip 63101
AT & T MOBILITY LLC	Zoning CAMP

Current Property Sales Information

Sale Date 7/7/2003	Legal Reference 04797-0166
Sale Price 0	Grantor(Seller) METROPOLITAN DISTRICT BUREAU OF

Current Property Assessment

Card 1 Value

AMERICAN TOWER®
CORPORATION

LETTER OF AUTHORIZATION

CENTERLINE COMMUNICATIONS LLC/ AT&T MOBILITY

I, Margaret Robinson, Vice President, US Tower Legal Division on behalf of American Tower*, owner/operator of the tower facility located at the address identified below (the "Tower Facilities"), do hereby authorize AT&T MOBILITY, CENTERLINE COMMUNICATIONS LLC, its successors and assigns, to act as American Tower's non-exclusive agent for the purpose of filing and securing any zoning, land-use, building permit and/or electrical permit application(s) and approvals of the applicable jurisdiction for and to conduct the construction of the installation of antennas and related telecommunications equipment on the Tower Facility located at the above address. This installation shall not affect adjoining lands and will occur only within the area leased by American Tower.

American Tower understands that the application may be denied, modified or approved with conditions. The above authorization is limited to the acceptance by American Tower of conditions related to American Tower's installation. Any such conditions of approval or modifications will not be effective unless approved in writing by American Tower.

The above authorization does not permit AT&T MOBILITY, CENTERLINE COMMUNICATIONS LLC to modify or alter any existing permit(s) and/or zoning or land-use conditions or impose any additional conditions unrelated to American Tower's installation of telecommunications equipment without the prior written approval of American Tower.

*American Tower includes all affiliates and subsidiaries of American Tower Corporation.

ATC Asset #	Site Name	Project Number	Site Address
283420	STONEYBROOK RD CT	13682835	23 Stonybrook Road, Stratford, Connecticut
243036	WEST HAVEN & RT 162 CT	13682841	668 Jones Hill Road, West Haven, Connecticut
302479	Rkhl - Rocky Hill	13683394	699 West Street, Rocky Hill, Connecticut
302537	Middletown CT 3	13747862	47 Inwood Road, Rocky Hill, Connecticut
302535	Milford CT 2	13748383	185 Research Drive, Milford, Connecticut
302473	E H F R - Prestige Park	13748397	310 Prestige Park Road, East Hartford, Connecticut
302505	Wshn - West Haven	13748405	204 Burwell Street, West Haven, Connecticut
302489	Enfd - Enfield	13753208	77 Town Farm Road, Enfield, Connecticut
302524	Beacon Falls	13753210	664 Rimmon Hill Road, Seymour, Connecticut
310968	WSPT-WESTPORT REBUILD CT	13753216	180A Bayberry Lane, Westport, Connecticut
302526	Naugatuck (telephone Pole)	13753218	585 South Main St. (soc. Club), Naugatuck, Connecticut
310972	WATERFORD REBUILD CT	13753547	15 Miner Lane, Waterford, Connecticut
302538	Parsonage Hill Aka Wallin	13753549	922 Northrop Road, Wallingford, Connecticut
370624	Mankes Silo	13754283	1338 Highland Ave, Cheshire, Connecticut

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88017	SHELTON-TRUMBULL	13755484	14 OXFORD DRIVE/BOOTH HILL RD, Shelton, Connecticut
414240	Byram Park CT	13755490	48 RITCH AVENUE WEST, Greenwich, Connecticut
283423	NAUGATUCK CT	13755758	880 Andrew Mountain Road, Naugatuck, Connecticut
302480	Woodbridge CT 1	13756843	77 Pease Road, Woodbridge, Connecticut
411183	WATERFORD CT	13756866	53 Dayton Rd. Waterford, Connecticut
302540	Madison CT 6	13757740	8 Old 79, Madison, Connecticut
411259	CT Collinsville CAC 802816 CT	13757764	650 Albany Turnpike, Collinsville, Connecticut
411256	CANTON CT	13757774	14 CANTON SPRINGS ROAD, Canton, Connecticut
302493	Nrwc - Norwich	13757776	225 Rogers Road, Norwich, Connecticut
302476	Wtbr - Waterbury	13757794	352 Garden Circle, Waterbury, Connecticut
302475	Sttn - Southington	13757796	80 Shuttle Meadow Road, Southington, Connecticut
302494	Hddm - Haddam	13757798	139 Morris Hubbard Rd, Higganum, Connecticut
283419	PINE ORCHARD BRANFORD CT	13757800	123 Pine Orchard Road, Brrandford, Connecticut
302482	North Havent CT 1	13757802	15 Dewight Street, North Haven, Connecticut
302485	Mdfd - Middlefield	13757806	134 Kikapoo Road, Middlefield, Connecticut
302500	Brst - Bristol	13757810	790 Willis Street, Bristol, Connecticut
302467	Bilkays Express	13757812	90 North Plains Industrial Rd. Wallingford, Connecticut
302536	Cherry Hill-branford	13759895	4 Beaver Road, Brandford, Connecticut
302482	North Havent CT 1	14050356	15 Dewight Street, North Haven, Connecticut
311305	GLFD-GUILFORD REBUILD CT	14050358	10 Tanner Marsh Road, Guilford, Connecticut
411261	CROMWELLSW CT	14089799	99 Christian Hill Road, Cromwell, Connecticut
302481	Hrfr - South	14090117	289 Mountain Street, Hartford, Connecticut

Signature: _____

Margaret Robinson, Vice President
US Tower Legal Division

See attached Notary Block

AMERICAN TOWER®
CORPORATION

LETTER OF AUTHORIZATION
CENTERLINE COMMUNICATIONS LLC/ AT&T MOBILITY

NOTARY BLOCK

COMMONWEALTH OF MASSACHUSETTS
County of Middlesex

This instrument was acknowledged before me by Margaret Robinson, Vice President, UST Legal of American Tower (Tower Facility owner), personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same.

WITNESS my hand and official seal, this 30th day of June, 2022.

NOTARY SEAL

MELISSA ANN METZLER
Notary Public
Commonwealth of Massachusetts
My Commission Expires March 14, 2025

Notary Public
My Commission Expires: March 14, 2025

DOCKET NO. 40

ORIGINAL

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 THE HARTFORD AND MIDDLESEX COUNTIES.	:	CONNECTICUT SITING COUNCIL May 15, 1984

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

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 Southern New England Telephone for the construction, operation, and maintenance of a telecommunications tower and associated equipment to provide cellular service at each of the following sites:

Shuttle Meadow Road, Southington, Connecticut;
Mountain Street, Hartford, Connecticut;
Prestige Park Road, East Hartford, Connecticut;
Beckley Road, Berlin, Connecticut;
Slicer tract, Niederwerfer Road, South Windsor, Connecticut; and
Kikapoo Road, Middlefield, 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) 150 feet at the Southington site,
   b) 100 feet at the Hartford site,
   c) 150 feet at the East Hartford site,
   d) 150 feet at the Berlin site,
   e) 75 feet at the South Windsor site, and
   f) 75 feet at the Middlefield 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 seven, below, no lights shall be installed on any of these towers.
6. The facility construction shall be conducted 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 South Windsor, Southington, and Berlin 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. The applicant shall comply with the reporting requirements of section 16-50j-87 for all sites. The applicant shall consult with Mrs. Claire Aubin and the Town of South Windsor in the preparation of the South Windsor site D&M.
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(c) 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 Hartford Courant, Journal Inquirer, and the Middletown Press.

The parties to this proceeding are

Southern New England Telephone Company Room 314 227 Church Street New Haven, Connecticut 06506	(Applicant)
ATTN: Mr. Peter J. Tyrrell, Esquire	(its attorney)
Town of South Windsor 1540 Sullivan Avenue South Windsor, Connecticut 06074	represented by: Mr. Richard M. Rittenband Town Attorney 1734 Ellington Road South Windsor, Connecticut 06074
Frank Niederwerfer 260 Niederwerfer Road South Windsor, Connecticut 06074	(service waived)
Claire Aubin 407 Niederwerfer Road South Windsor, Connecticut 06074	(service waived)

Betty S. Kleiner
Chairman
Hartford Audubon Society, Inc.
5 Flintlock Ridge
Simsbury, Connecticut 06070

(service waived)

Roger Thorpe
2916 Ellington Road
South Windsor, Connecticut 06074

Intervenors in this proceeding are

Dwight A. Johnson
Murtha, Cullina, Richter
and Pinney
101 Pearl Street
P.O. Box 3197
Hartford, Connecticut 06103-0197

representing:

Metromedia TeleCommunications
Nutmeg Telecommunications, Inc.
CSI of New Haven
CSI of Stamford
Cellular Communications, Inc.
LIN Cellular Corp.
Cellular Mobile Services
Maxcell TeleCommunications, Inc.
Mobile Cellular Telephone, Inc.
Cellular Dynamics
Connecticut Corridor Cellular
Chase/Post Cellular

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

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

Dated at New Britain, Connecticut, this 15th day of May, 1984.

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

STATE OF CONNECTICUT)
: ss. New Britain, May 15, 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, Executive Director
Connecticut Siting Council

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FAQs >

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October 24, 2022, 11:04 am

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CORPORATION

This report was prepared for American Tower Corporation by

POD
POWER OF DESIGN

Antenna Mount Analysis Report

ATC Site Name	:	**Hrfr - South**
ATC Site Number	:	**302481**
Engineering Number	:	**14090117_C8_01**
Mount Elevation	:	**102.0 ft**
Carrier	:	**AT&T MOBILITY**
Carrier Site Name	:	**MRCTB051290**
Carrier Site Number	:	**CTCN001011**
Site Location	:	**289 Mountain Street** **Hartford, CT 06106** **41.72659153, -72.70818991**
County	:	**Hartford**
Date	:	**April 5, 2022**
Max Usage	:	**89 %**
Result	:	**Contingent Pass**

Prepared By: Matthew Maloney
Jason Cheronis
Vice President of Structural Engineering

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032793
LICENSED
PROFESSIONAL ENGINEER

4/5/22

Table of Contents

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for AT&T MOBILITY at 102.0 ft.

Supporting Documents

Spec. Sheet	Spec Sheet for SitePro1 Part #: DCP18K
Structural Analysis	ATC Engineering #: 13726719_C3_03 dated: October 5, 2021
RFDS	RFDS dated March 25, 2022
Photos	Site photos from 2021
Site Specific Study	ICE Wind Study for Site 302481, Dated May 22, 2020

Analysis

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

Basic Wind Speed:	118 mph, Vult (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1.5" Radial Ice (Escalating)
Codes:	TIA-222-H
Structure Class:	B
Exposure Category:	II
Topographic Factor Procedure:	Method 3
Topographic Feature:	Flat Top Hill
Crest Height:	148 ft
Spectral Response:	Ss = 0.192, S_1 = 0.055
Site Class:	D (assumed)
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:

- Install additional 8'-0" P2 STD mount pipe (1 per sector, total of 3) offset 9 inches in position 1 using SitePro1 DCP18K (Non-CONMAT).

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

Antenna Loading

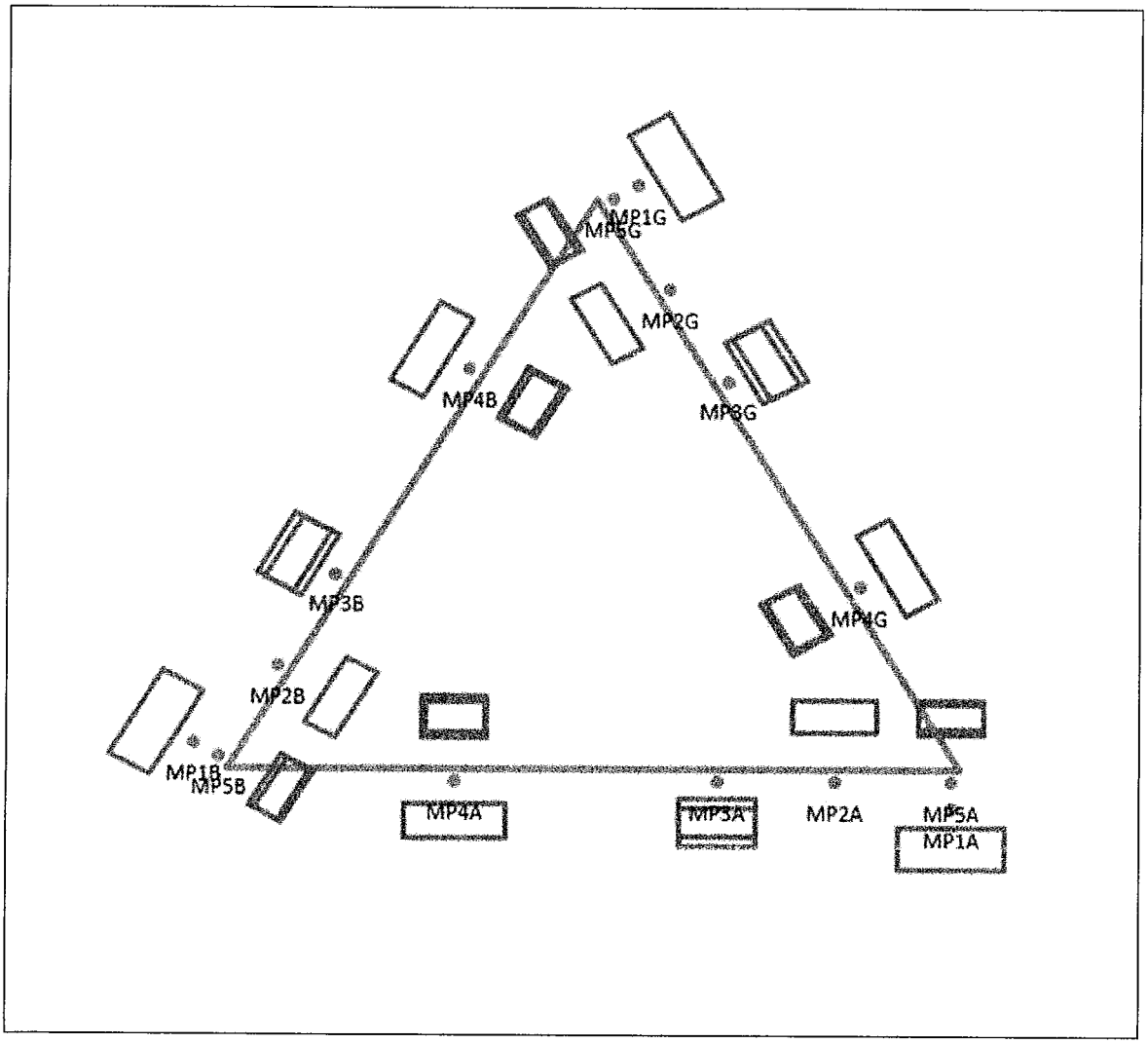
Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
102.0	104.0	3	Ericsson AIR 6419 B77G**
	102.0	2	CCI DMP65R-BU6DA
		1	CCI DMP65R-BU8DA
		1	Quinetel QD8616-7
		2	Quinetel QD6616-7
		2	Raycap DC6-48-60-18-8F(32.8 lbs)*
		1	Raycap DC9-48-60-24-8C-EV*
		3	Ericsson RRUS 32 B30
		3	Ericsson RRUS 4415 B25
		3	Ericsson RRUS 4449 B5, B12
		3	Ericsson RRUS-11
		3	Ericsson RRUS 4426 B66
		3	Ericsson RRUS 4478 B14*
	100.0	3	Ericsson AIR 6449 B77D/ C-Band**

***Equipment assumed to be mounted directly to tower.**
****Proposed Equipment is to be installed on the same mount pipe with more than 12" of vertical separation**

Structure Usages

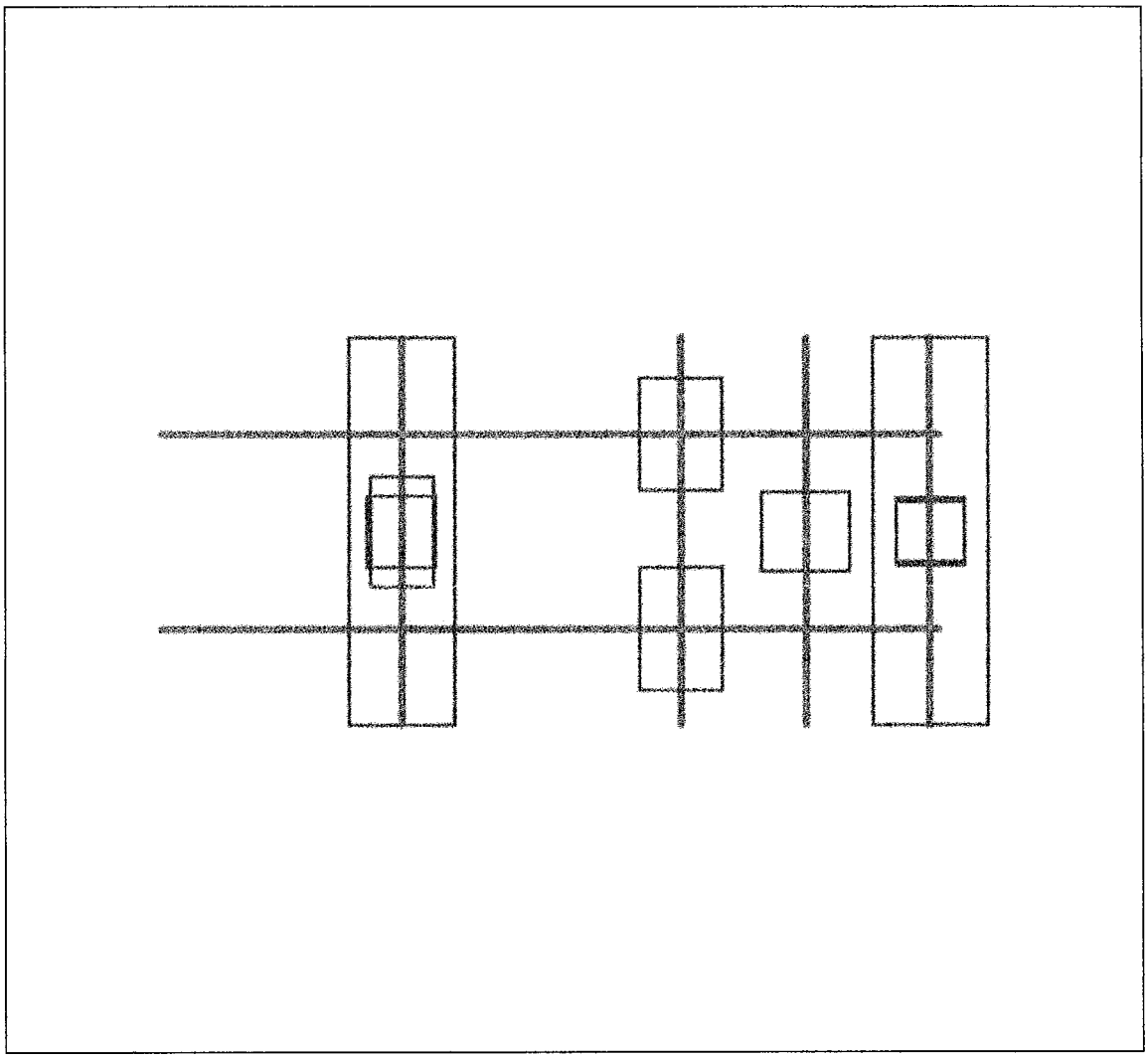
Structural Component	Controlling Usage	Pass/Fail
Threaded Rods	89%	Pass
Corner Plates	72%	Pass
Plates	71%	Pass
Mount Pipes	54%	Pass
Angles	50%	Pass
Support Rails	44%	Pass
Grating Supports	32%	Pass
Crossarms	25%	Pass
Faces	16%	Pass
Kickers	16%	Pass
Flange Plates	33%	Pass
Flange Plate Bolts	1%	Pass

Mount Layout (From Above)



Equipment Model	Quantity	Height (in)	Width (in)	Depth (in)	Azimuth	Sector	Mount Pipe #
AIR 6419 B77G	1	27.95	15.75	6.68	0	A/B/C	3
DMP65R-BU6DA	1	71.2	20.7	7.7	0	B/C	4
DMP65R-BU8DA	1	96	20.7	7.7	0	A	4
QD8616-7	1	96	22	9.6	0	A	1
QD6616-7	1	72	22	9.6	0	B/C	1
RRUS 32 B30	1	27.2	12.1	7	0	A/B/C	4
RRUS 4415 B25	1	14.96	13.19	5.39	0	A/B/C	5
RRUS 4449 B5, B12	1	17.9	13.2	9.4	0	A/B/C	4
RRUS-11	1	19.7	17	7.2	0	A/B/C	2
RRUS 4426 B66	1	16.5	13.4	7.7	0	A/B/C	5
AIR 6449 B77D/ C-Band	1	30.4	15.9	10.6	0	A/B/C	3

Equipment Layout (From Front)



Equipment Model	Quantity	Height (in)	Width (in)	Depth (in)	Azimuth	Sector	Mount Pipe #
AIR 6419 B77G	1	27.95	15.75	6.68	0	A/B/C	3
DMP65R-BU6DA	1	71.2	20.7	7.7	0	B/C	4
DMP65R-BU8DA	1	96	20.7	7.7	0	A	4
QD8616-7	1	96	22	9.6	0	A	1
QD6616-7	1	72	22	9.6	0	B/C	1
RRUS 32 B30	1	27.2	12.1	7	0	A/B/C	4
RRUS 4415 B25	1	14.96	13.19	5.39	0	A/B/C	5
RRUS 4449 B5, B12	1	17.9	13.2	9.4	0	A/B/C	4
RRUS-11	1	19.7	17	7.2	0	A/B/C	2
RRUS 4426 B66	1	16.5	13.4	7.7	0	A/B/C	5
AIR 6449 B77D/ C-Band	1	30.4	15.9	10.6	0	A/B/C	3

Standard Conditions

All engineering services performed by POD Group 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 POD Group

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

POD Group assumes that all structures were constructed in accordance with the drawings and specifications.

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.

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

Installation of all equipment and steel should be confirmed not to cause tower conflicts nor impede the tower climbing pegs.

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

POD
POWER OF DESIGN

POD Job #	**22-125764**
Site Number	**302481**
Site Name	**Hrfr - South**

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1			
V (Wind Speed)	118	I(ice)	1	Sms	0.307			
z_s	286			Sm1	0.132		width (ft)	height (ft)
I_r	1.5	Ss	0.192	Sds	0.205	Front Outer Dimensions	12.5	4
V_i	50	S1	0.055	Sd1	0.088			
K_{zt}	1.228	Soil Site Class	D (assumed)	Seismic Design Category				
Exposure	B	Fa	1.600	B				
z_g	1200	Fv	2.400	Seismic Analysis Not Required				
α	7			R	2 TIA-222-H 16.7			
Kmin	0.7	Tower Type	Monopole	As	1 TIA-222-H 16.7			
G_H	1	Tower Height	130	Cs, Min	0.03 TIA-222-H 2.7.7.1.1			
Ke	0.99			Cs	0.1024 TIA-222-H 2.7.7.1.1			
K_d	0.95							
K_s	0.9							

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
AIR 6419 B77G			104	6	20		A/B/C	1	3
DMP65R-BU6DA			102	4	50		B/C	1	4
DMP65R-BU8DA			102	4	72		A	1	4
QD8616-7			102	4	72		A	1	1
QD8616-7			102	4	50		B/C	1	1
RRUS 32 B30			102	4			A/B/C	1	4
RRUS 4415 B25			102	4			A/B/C	1	5
RRUS 4449 B5, B12			102	4			A/B/C	1	4
RRUS-11			102	4			A/B/C	1	2
RRUS 4426 B66			102	4			A/B/C	1	5
AIR 6449 B77D/ C-Band			100	2	20		A/B/C	1	3

Mount Information

Elevation (ft)	102	Grating Thickness (in)	1
K_z	0.99	Grating Ice Weight (k/ft')	0.020
Kiz	1.12		
liz	1.80		

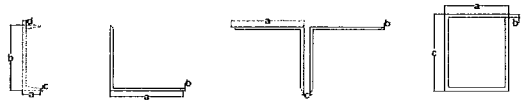
	Length (ft)	Width (in)	Centerline
Mount Pipes	8	2.375	102

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
Face On	12.5	3.5	Yes	2
Face Off	12.5	3.5	No	1
Rail On	12.5	2.375	Yes	2
Rail Off	12.5	2.375	No	1
Threaded Rod	0.75	0.625	Yes	12

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
Standoff	5.17	4	Square HSS	4	0.25	4		No	3
Crossarm	5.63	4	Square HSS	4	0.25	4		No	3
Corner Plate	1.126	6	Channel	0.375	6		0.375	No	3
Angle	1.409	2.5	Angle	2.5	0.25			No	3
Kicker	5.185	2.5	D. Angle	2.5	0.1875	0.375		Yes	3
Support	4.33	2	Angle	2	0.1875			No	6
Rail Plate	0.25	5	Channel	0.25	6		0.25	No	6
Plate	0.36	6	Channel	0.375	6		0.375	No	12



Version 3.56

Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft²)	$(EPA)_N$ (ft²)	$(EPA)_T$ (ft²)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
AIR 6419 B77G	28.0	15.8	6.7	68.2	1.00	41.13	3.30	1.49	0.136	0.061	0.117	0.117	0.061
DMP65R-BU6DA	71.2	20.7	7.7	79.4	0.99	40.90	11.44	5.05	0.468	0.207	0.403	0.403	0.207
DMP65R-BU8DA	98.0	20.7	7.7	95.7	0.99	40.90	16.08	7.31	0.658	0.299	0.568	0.568	0.299
QD8616-7	96.0	22.0	9.6	150.0	0.99	40.90	16.93	8.64	0.693	0.353	0.608	0.608	0.353
QD6616-7	72.0	22.0	9.6	130.0	0.99	40.90	12.22	6.12	0.500	0.250	0.437	0.437	0.250
RRUS 32 B30	27.2	12.1	7.0	53.0	0.99	40.90	2.47	1.50	0.101	0.061	0.091	0.091	0.061
RRUS 4415 B25	15.0	13.2	5.4	44.0	0.99	40.90	1.48	0.61	0.061	0.025	0.052	0.052	0.025
RRUS 4449 B5, B12	17.9	13.2	9.4	71.0	0.99	40.90	1.77	1.26	0.072	0.052	0.067	0.067	0.052
RRUS-11	19.7	17.0	7.2	50.0	0.99	40.90	2.51	1.07	0.103	0.044	0.088	0.088	0.044
RRUS 4426 B66	16.5	13.4	7.7	59.9	0.99	40.90	1.66	0.95	0.068	0.039	0.061	0.061	0.039
AIR 6449 B77D/ C-Band	30.4	15.9	10.6	81.6	0.99	40.67	3.63	2.45	0.147	0.100	0.135	0.135	0.100

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft²)	$(EPA)_N$ (ft²)	$(EPA)_T$ (ft²)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
AIR 6419 B77G	1.81	31.57	19.37	10.30	108.66	1.12	7.38	4.58	2.49	0.034	0.018	0.030	0.030	0.018
DMP65R-BU6DA	1.80	74.81	24.31	11.31	268.68	1.12	7.34	13.93	7.31	0.102	0.054	0.090	0.090	0.054
DMP65R-BU8DA	1.80	99.61	24.31	11.31	391.51	1.12	7.34	19.23	10.28	0.141	0.075	0.125	0.125	0.075
QD8616-7	1.80	99.61	25.61	13.21	434.85	1.12	7.34	20.12	11.66	0.148	0.086	0.132	0.132	0.086
QD6616-7	1.80	75.61	25.61	13.21	336.03	1.12	7.34	14.77	8.38	0.108	0.062	0.097	0.097	0.062
RRUS 32 B30	1.80	30.81	15.71	10.61	91.73	1.12	7.34	3.63	2.49	0.027	0.018	0.025	0.025	0.018
RRUS 4415 B25	1.80	18.57	16.80	9.00	56.50	1.12	7.34	2.34	1.25	0.017	0.009	0.015	0.015	0.009
RRUS 4449 B5, B12	1.80	21.51	16.81	13.01	80.44	1.12	7.34	2.71	2.10	0.020	0.015	0.019	0.019	0.015
RRUS-11	1.80	23.31	20.61	10.81	90.12	1.12	7.34	3.60	1.89	0.026	0.014	0.023	0.023	0.014
RRUS 4426 B66	1.80	20.11	17.01	11.31	70.17	1.12	7.34	2.57	1.71	0.019	0.013	0.017	0.017	0.013
AIR 6449 B77D/ C-Band	1.80	34.00	19.50	14.20	139.13	1.12	7.30	4.97	3.62	0.036	0.026	0.034	0.034	0.026

Round Members

Member	q_z (lb/ft²)	Ar	C	Rr	Cf	Wind Calculations EPA (ft²)	Load (k/ft)	Width (in)	Weight (k/ft)	q_z (lb/ft²)	Arice	Ice Calculations Rrice	Cf	EPA (ft²)	Load (k/ft)
Face On	40.90	7.29	33.44	0.61	1.20	2.38	0.008	7.11	0.01	7.34	14.81	0.81	1.20	6.47	0.004
Face Off	40.90	3.65	33.44	0.61	1.20	2.38	0.004	7.11	0.01	7.34	7.40	0.81	1.20	6.47	0.002
Rail On	40.90	4.95	22.69	0.61	1.20	1.62	0.005	5.98	0.01	7.34	12.47	0.81	1.20	5.45	0.003
Rail Off	40.90	2.47	22.69	0.61	1.20	1.62	0.003	5.98	0.01	7.34	6.23	0.81	1.20	5.45	0.002
Threaded Rod	40.90	0.47	5.97	0.61	1.20	0.03	0.001	4.23	0.01	7.34	3.18	0.81	1.20	0.23	0.002

Flat Members

Member	q_z (lb/ft²)	Af	Cf	Wind Calculations EPA	Load (k/ft)	Width (in)	Weight (k/ft)	q_z (lb/ft²)	Arice	Ice Calculations Rrice	Cf	EPA	Load (k/ft)
Standoff	40.90	5.17	1.25	1.94	0.008	7.61	0.02	7.34	9.83	0.81	1.25	2.98	0.002
Crossarm	40.90	5.63	1.25	2.11	0.008	7.61	0.02	7.34	10.71	0.81	1.25	3.25	0.002
Corner Plate	40.90	1.69	2.00	1.01	0.018	9.61	0.02	7.34	2.70	0.81	2.00	1.31	0.004
Angle	40.90	0.88	2.00	0.53	0.008	6.11	0.01	7.34	2.15	0.81	2.00	1.04	0.003
Kicker	40.90	3.24	2.00	1.94	0.015	6.11	0.02	7.34	7.92	0.81	2.00	3.84	0.005
Support	40.90	4.33	2.00	1.30	0.006	5.61	0.01	7.34	12.14	0.81	2.00	2.95	0.002
Rail Plate	40.90	0.63	2.00	0.19	0.015	8.61	0.01	7.34	1.08	0.81	2.00	0.26	0.004
Plate	40.90	2.16	2.00	0.32	0.018	9.61	0.02	7.34	3.46	0.81	2.00	0.42	0.004

Appurtenance Seismic Calculations

Model	Weight	Sds	ρ	Cs	As	Ev	Eh
AIR 6419 B77G	68.2	0.205	1.000	0.102	1.000	0.003	0.007
DMP65R-BU6DA	79.4	0.205	1.000	0.102	1.000	0.003	0.008
DMP65R-BU8DA	95.7	0.205	1.000	0.102	1.000	0.004	0.010
QD8616-7	150.0	0.205	1.000	0.102	1.000	0.006	0.015
QD6616-7	130.0	0.205	1.000	0.102	1.000	0.005	0.013
RRUS 32 B30	53.0	0.205	1.000	0.102	1.000	0.002	0.005
RRUS 4415 B25	44.0	0.205	1.000	0.102	1.000	0.002	0.005
RRUS 4449 B5, B12	71.0	0.205	1.000	0.102	1.000	0.003	0.007
RRUS-11	50.0	0.205	1.000	0.102	1.000	0.002	0.005
RRUS 4426 B66	59.9	0.205	1.000	0.102	1.000	0.002	0.006
AIR 6449 B77D/ C-Band	81.6	0.205	1.000	0.102	1.000	0.003	0.008

Version 3.56

POD
POWER OF DESIGN

POD Job # **22-125764**
Site Number **302481**
Site Name **Hrfr - South**

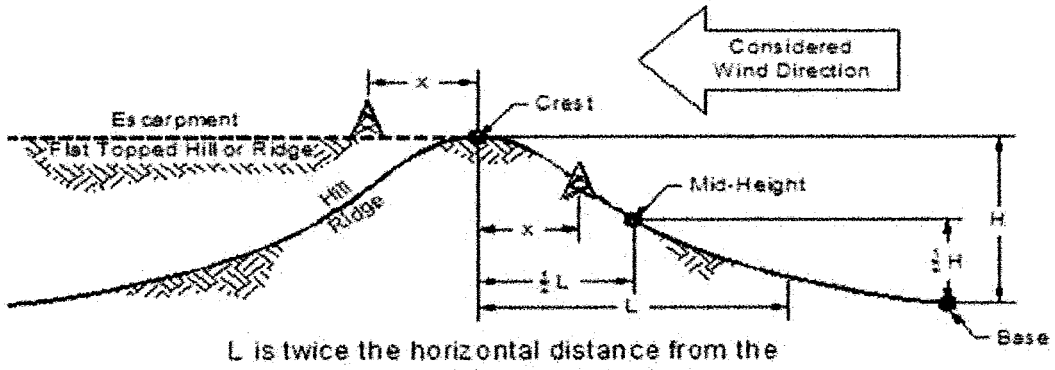
General Site Information

Code	TIA-222-H
Exposure	B
Topographic Feature	Flat Topped Hill
H	148
L	318
x	0
z	102

Kzt Values by Rigorous Method 2

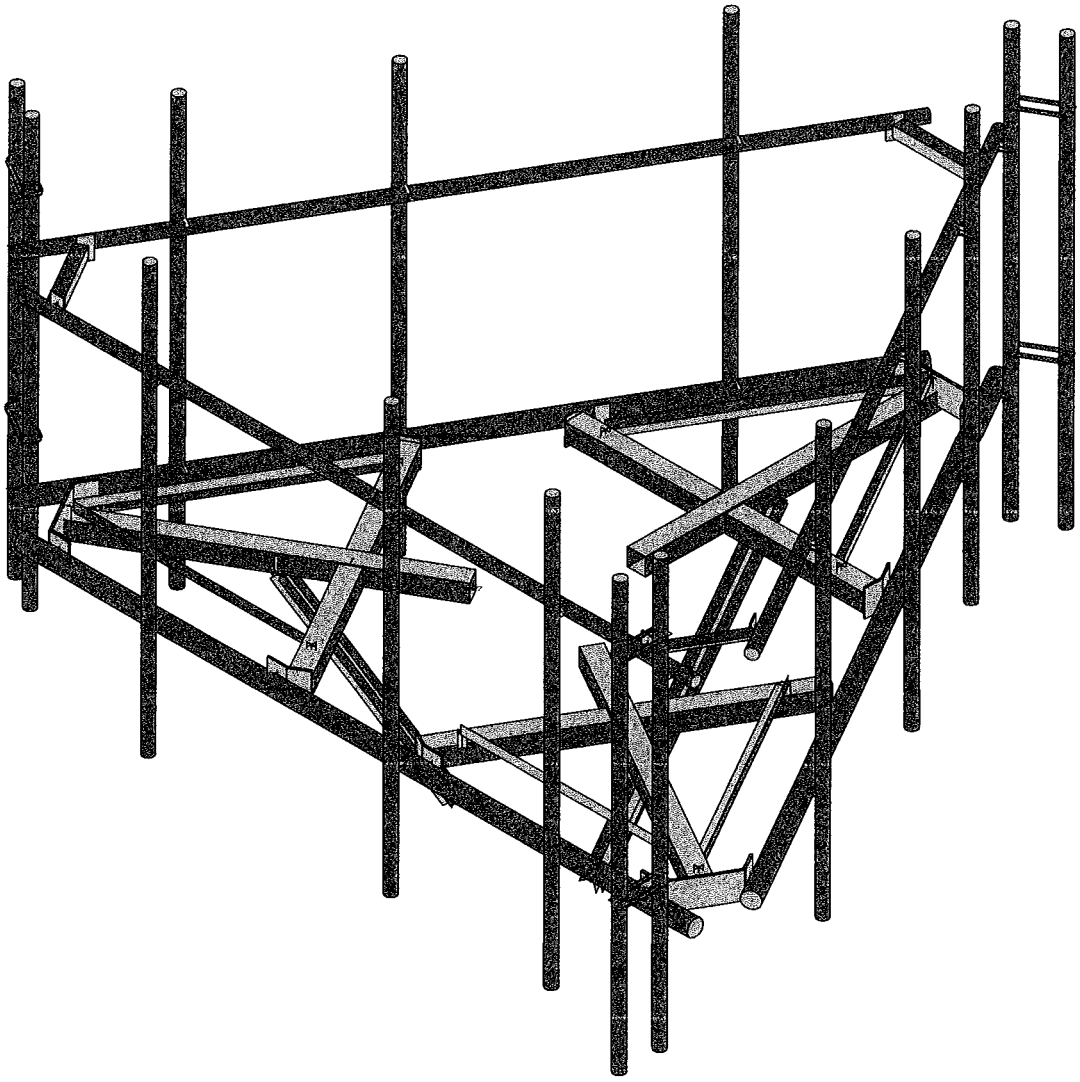
Kzt (Mount)	1.228
Kzt (Base)	2.045

		TIA-222-H
K1	0.430	Figure 2-1
K2	1.000	Figure 2-1
K3 (Mount)	0.252	Figure 2-1
K3 (Base)	1	Figure 2-1

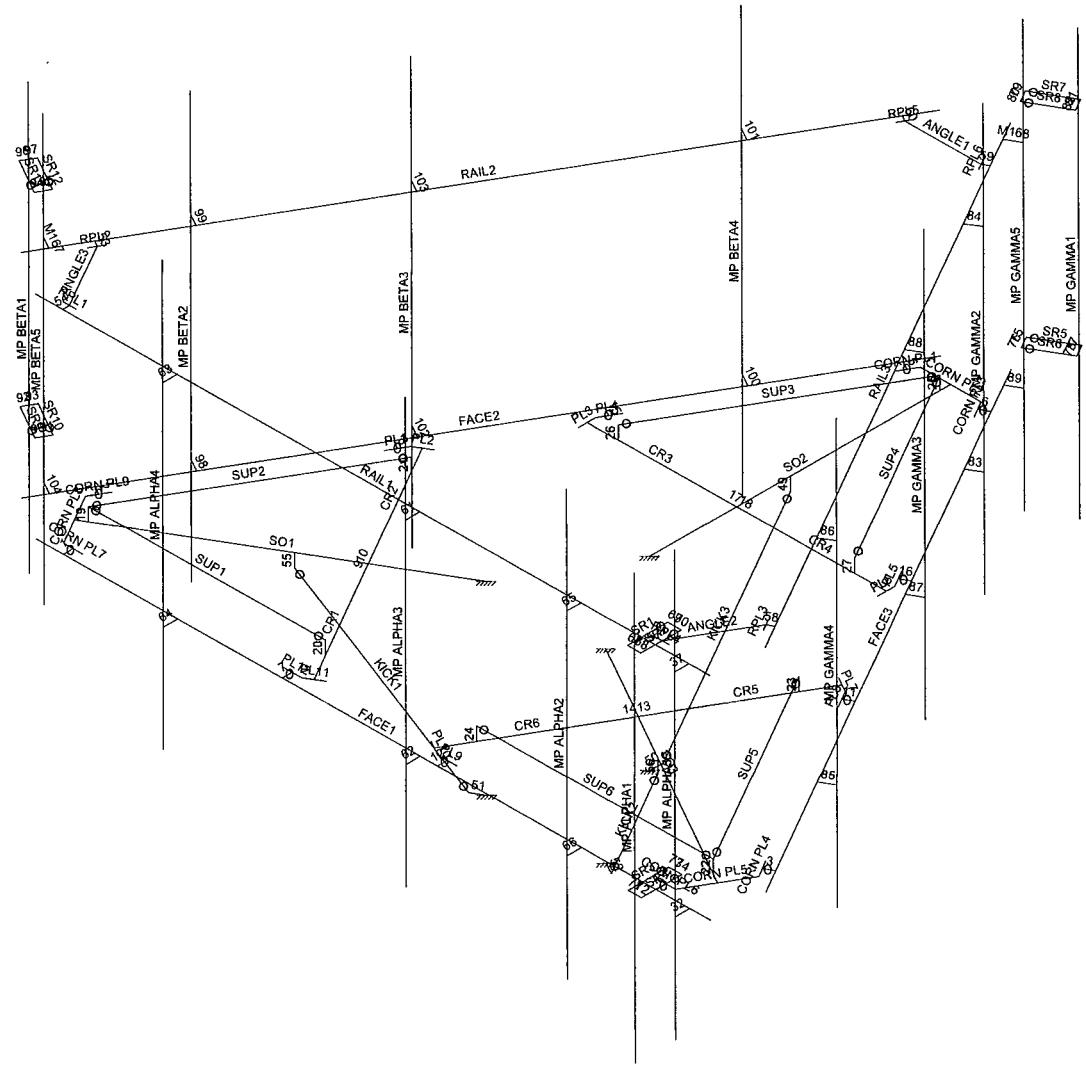


L is twice the horizontal distance from the crest to the midheight of the feature

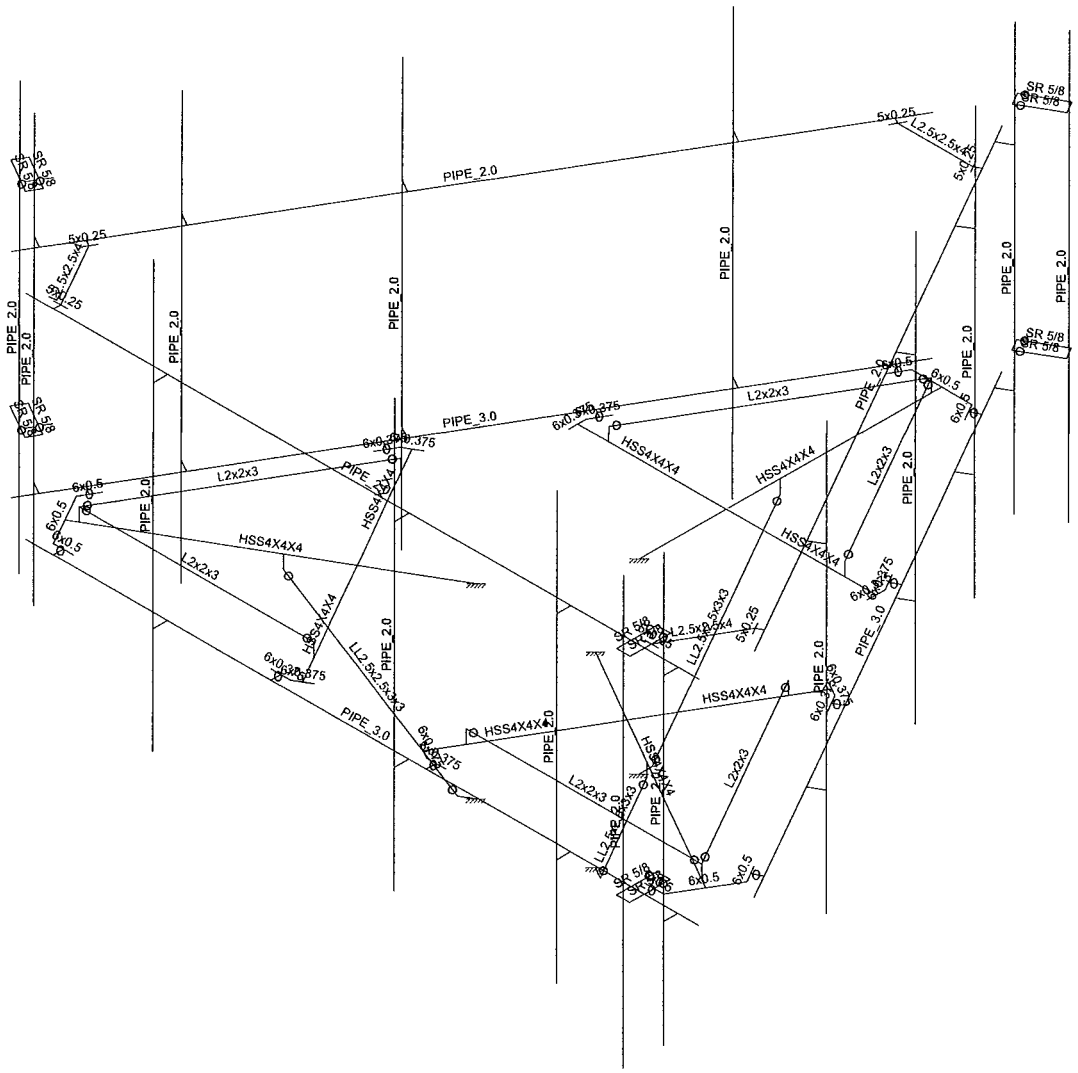
Version 1.0 11/1/2019



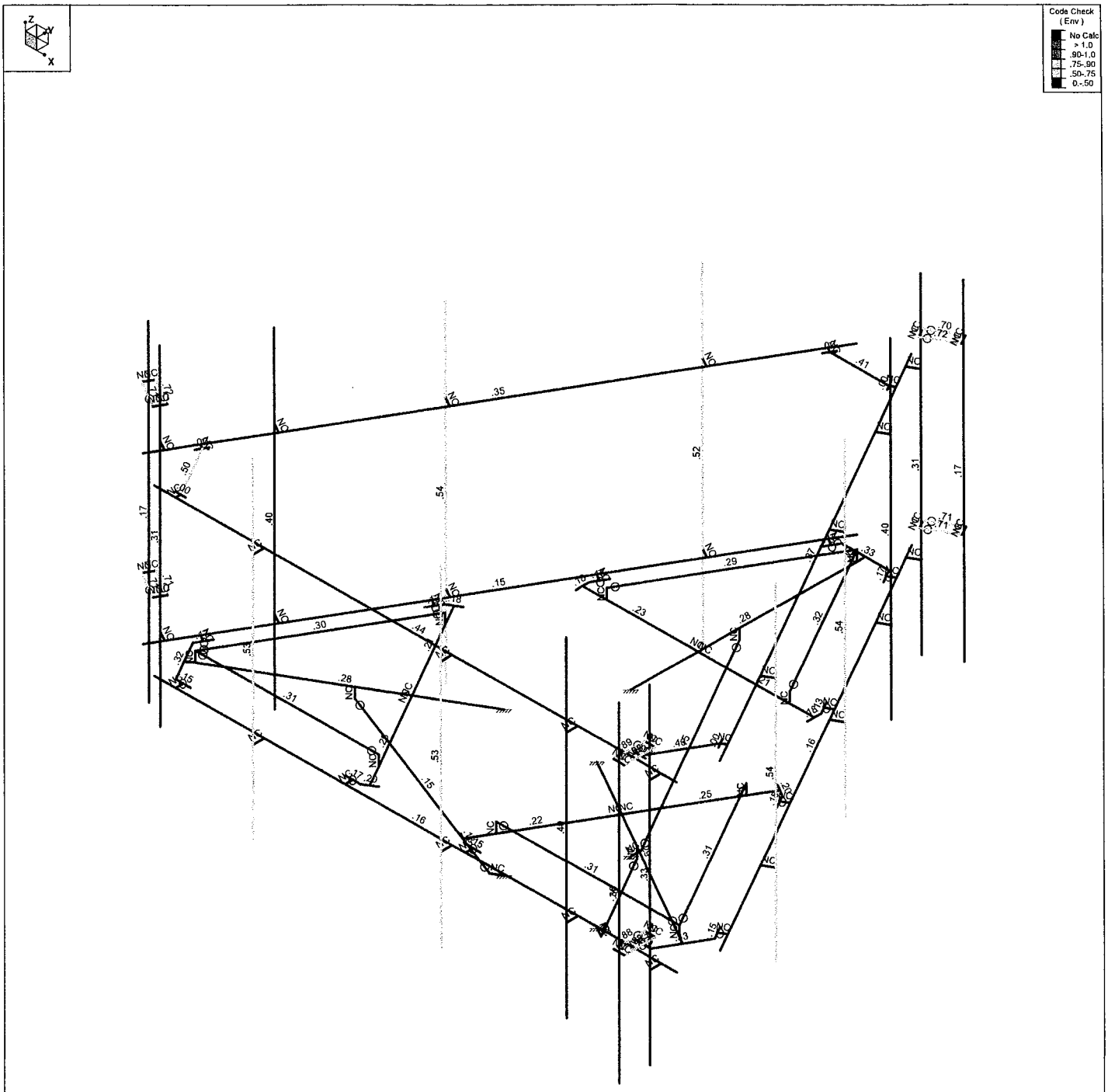
POD	302481	SK - 1
MMM		Apr 5, 2022 at 11:20 AM
22-125764		(PL3) 302481.R3D



POD	302481	SK - 2
MMM		Apr 5, 2022 at 11:20 AM
22-125764		(PL3) 302481.R3D

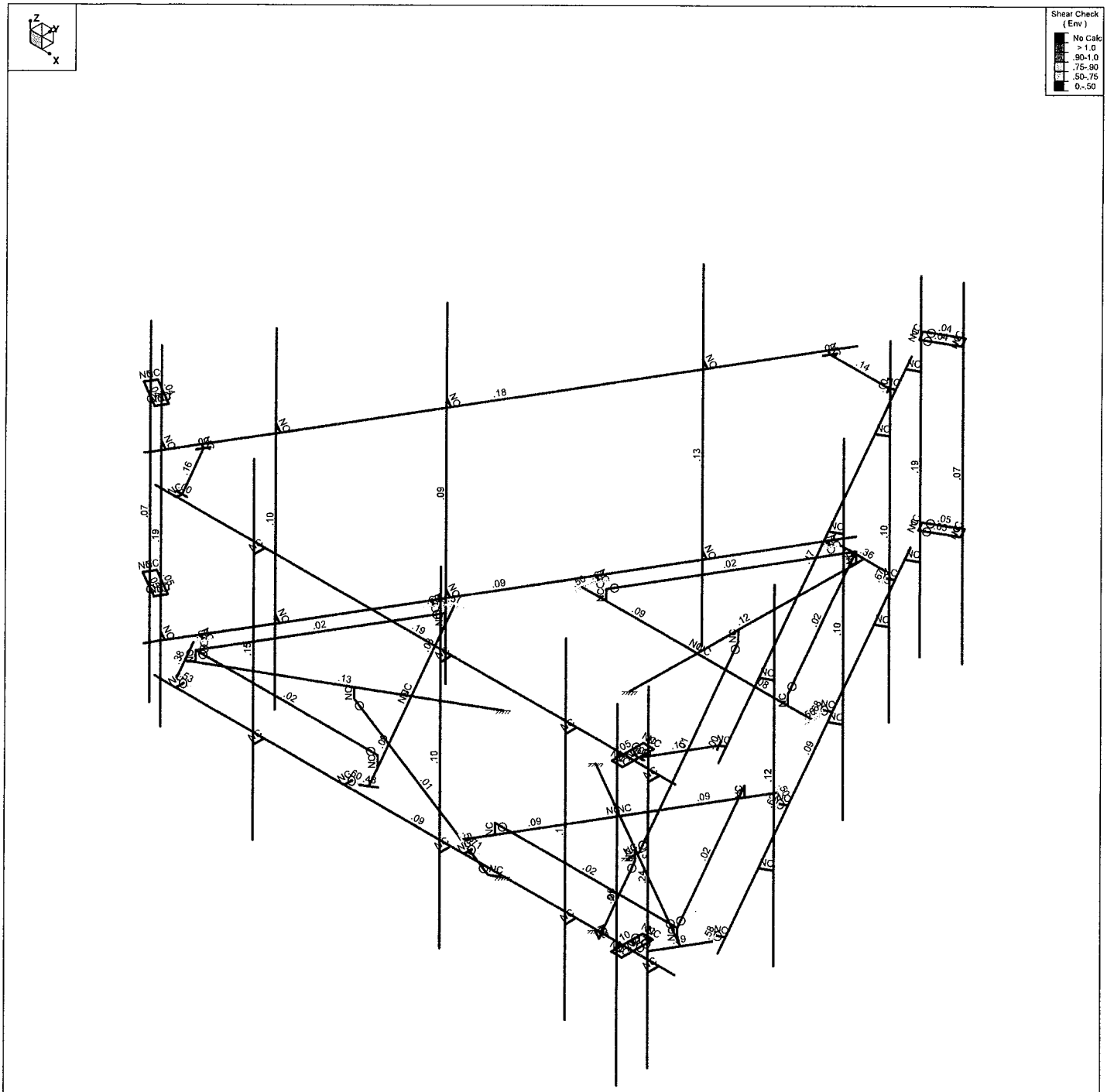


POD	302481	SK - 3
MMM		Apr 5, 2022 at 11:21 AM
22-125764		(PL3) 302481.R3D



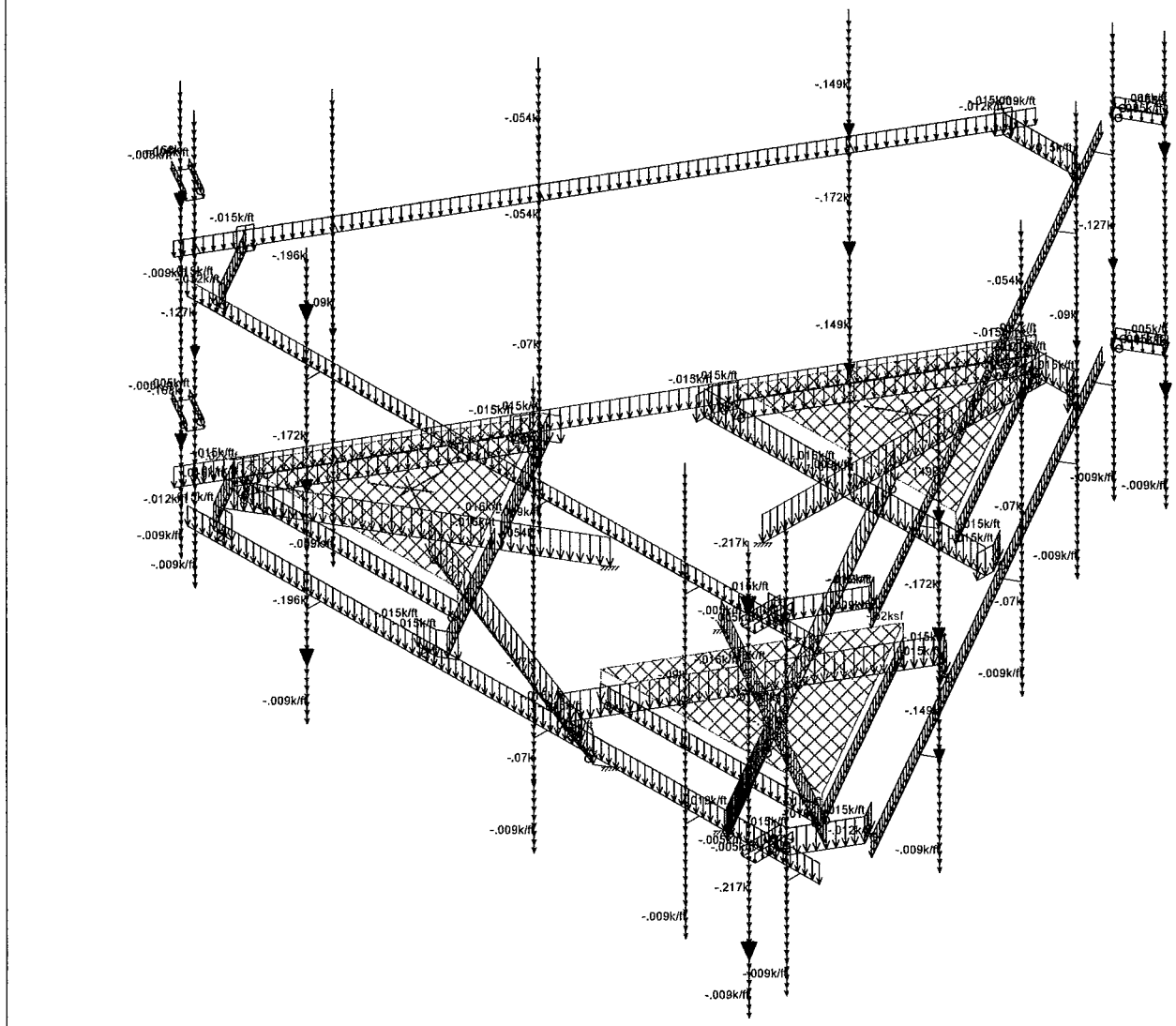
Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4D

POD	302481	SK - 4
MMM		Apr 5, 2022 at 11:21 AM
22-125764		(PL3) 302481.R3D



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

POD	302481	SK - 5
MMM		Apr 5, 2022 at 11:21 AM
22-125764		(PL3) 302481.R3D



Loads: BLC 27, Ice Dead Load

POD	302481	SK - 6
MMM		Apr 5, 2022 at 11:22 AM
22-125764		(PL3) 302481.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	N42	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N62	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N82	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N139A	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
5	N143	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
6	N147	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
1	SUP6	N69	N70		270	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
2	SUP5	N69	N68		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
3	SUP4	N89	N90		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
4	SUP3	N89	N88		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
5	SUP2	N49	N50		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
6	SUP1	N49	N48			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
7	SR12	N248	N247			SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
8	SR11	N246	N245			SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
9	SR10	N254	N253			SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
10	SR9	N252	N251			SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
11	SR8	N211	N210		180	SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
12	SR7	N209	N208		180	SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
13	SR6	N217	N216		180	SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
14	SR5	N215	N214		180	SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
15	SR4	N178	N177			SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
16	SR3	N180	N179			SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
17	SR2	N172	N171			SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
18	SR1	N174	N173			SR 5/8	Beam	BAR	SAE J429 GR.2	Typical
19	SO3	N61	N62			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
20	SO2	N81	N82			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
21	SO1	N41	N42			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
22	RPL6	N147A	N148A		90	5x0.25	Beam	RECT	A36 Gr.36	Typical
23	RPL5	N146A	N145		270	5x0.25	Beam	RECT	A36 Gr.36	Typical
24	RPL4	N138A	N139B		270	5x0.25	Beam	RECT	A36 Gr.36	Typical
25	RPL3	N137B	N136A		270	5x0.25	Beam	RECT	A36 Gr.36	Typical
26	RPL2	N127	N128		90	5x0.25	Beam	RECT	A36 Gr.36	Typical
27	RPL1	N126	N125		90	5x0.25	Beam	RECT	A36 Gr.36	Typical
28	RAIL3	N131	N132			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
29	RAIL2	N136	N137			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
30	RAIL1	N110	N111			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
31	PL12	N33	N37		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
32	PL11	N37	N38		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
33	PL10	N59	N60		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
34	PL9	N56	N59		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
35	PL8	N53	N57		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
36	PL7	N57	N58		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
37	PL6	N79	N80		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
38	PL5	N76	N79		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
39	PL4	N73	N77		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
40	PL3	N77	N78		270	6x0.375	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
41	PL2	N39	N40		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
42	PL1	N36	N39		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
43	MP GAMMA5	N184	N183		120	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
44	MP GAMMA4	N197	N196		120	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
45	MP GAMMA3	N191	N190		120	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
46	MP GAMMA2	N203	N202		120	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
47	MP GAMMA1	N205	N204		120	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
48	MP BETA5	N221	N220		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
49	MP BETA4	N234	N233		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
50	MP BETA3	N228	N227		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
51	MP BETA2	N240	N239		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
52	MP BETA1	N242	N241		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
53	MP ALPHA5	N130	N123			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
54	MP ALPHA4	N160	N159			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
55	MP ALPHA3	N154	N153			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
56	MP ALPHA2	N166	N165			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
57	MP ALPHA1	N168	N167			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
58	KICK3	N140	N138		180	LL2.5x2.5x3x3	Beam	Double Angle (3/8 ...	A36 Gr.36	Typical
59	KICK2	N148	N146		64.978	LL2.5x2.5x3x3	Beam	Double Angle (3/8 ...	A36 Gr.36	Typical
60	KICK1	N144	N142		295.022	LL2.5x2.5x3x3	Beam	Double Angle (3/8 ...	A36 Gr.36	Typical
61	FACE3	N129	N130A			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
62	FACE2	N134	N135			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
63	FACE1	N1	N2			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
64	CR6	N66	N67			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
65	CR5	N63	N64			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
66	CR4	N86	N87			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
67	CR3	N83	N84			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
68	CR2	N46	N47			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
69	CR1	N43	N44			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
70	CORN PL9	N13	N14		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
71	CORN PL8	N9	N13		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
72	CORN PL7	N9	N10		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
73	CORN PL6	N21	N22		270	6x0.5	Beam	RECT	A36 Gr.36	Typical
74	CORN PL5	N17	N21		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
75	CORN PL4	N17	N18		270	6x0.5	Beam	RECT	A36 Gr.36	Typical
76	CORN PL3	N29	N30		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
77	CORN PL2	N25	N29		270	6x0.5	Beam	RECT	A36 Gr.36	Typical
78	CORN PL1	N25	N26		270	6x0.5	Beam	RECT	A36 Gr.36	Typical
79	ANGLE3	N230	N235		90	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical
80	ANGLE2	N133	N134A		90	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical
81	ANGLE1	N142A	N143A		270	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical
82	104	N218	N219			RIGID	None	None	RIGID	Typical
83	103	N225	N226			RIGID	None	None	RIGID	Typical
84	102	N223	N224			RIGID	None	None	RIGID	Typical
85	101	N231	N232			RIGID	None	None	RIGID	Typical
86	100	N229	N230A			RIGID	None	None	RIGID	Typical
87	99	N237	N238			RIGID	None	None	RIGID	Typical
88	98	N235A	N236			RIGID	None	None	RIGID	Typical
89	97	N248	N244		180	RIGID	None	None	RIGID	Typical
90	96	N244	N246		180	RIGID	None	None	RIGID	Typical
91	95	N247	N243		180	RIGID	None	None	RIGID	Typical
92	94	N243	N245		180	RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
93	93	N254	N250		180	RIGID	None	None	RIGID	Typical
94	92	N250	N252		180	RIGID	None	None	RIGID	Typical
95	91	N253	N249		180	RIGID	None	None	RIGID	Typical
96	90	N249	N251		180	RIGID	None	None	RIGID	Typical
97	89	N181	N182		180	RIGID	None	None	RIGID	Typical
98	88	N188	N189		180	RIGID	None	None	RIGID	Typical
99	87	N186	N187		180	RIGID	None	None	RIGID	Typical
100	86	N194	N195		180	RIGID	None	None	RIGID	Typical
101	85	N192	N193		180	RIGID	None	None	RIGID	Typical
102	84	N200	N201		180	RIGID	None	None	RIGID	Typical
103	83	N198	N199		180	RIGID	None	None	RIGID	Typical
104	82	N211	N207		180	RIGID	None	None	RIGID	Typical
105	81	N207	N209		180	RIGID	None	None	RIGID	Typical
106	80	N210	N206		180	RIGID	None	None	RIGID	Typical
107	79	N206	N208		180	RIGID	None	None	RIGID	Typical
108	78	N217	N213		180	RIGID	None	None	RIGID	Typical
109	77	N213	N215		180	RIGID	None	None	RIGID	Typical
110	76	N216	N212		180	RIGID	None	None	RIGID	Typical
111	75	N212	N214		180	RIGID	None	None	RIGID	Typical
112	74	N175	N177			RIGID	None	None	RIGID	Typical
113	73	N179	N175			RIGID	None	None	RIGID	Typical
114	72	N176	N178			RIGID	None	None	RIGID	Typical
115	71	N180	N176			RIGID	None	None	RIGID	Typical
116	70	N169	N171			RIGID	None	None	RIGID	Typical
117	69	N173	N169			RIGID	None	None	RIGID	Typical
118	68	N170	N172			RIGID	None	None	RIGID	Typical
119	67	N174	N170			RIGID	None	None	RIGID	Typical
120	66	N161	N162			RIGID	None	None	RIGID	Typical
121	65	N163	N164			RIGID	None	None	RIGID	Typical
122	64	N155	N156			RIGID	None	None	RIGID	Typical
123	63	N157	N158			RIGID	None	None	RIGID	Typical
124	62	N149A	N150A			RIGID	None	None	RIGID	Typical
125	61	N151	N152			RIGID	None	None	RIGID	Typical
126	60	N150	N142A			RIGID	None	None	RIGID	Typical
127	59	N149	N143A		180	RIGID	None	None	RIGID	Typical
128	58	N141	N133		180	RIGID	None	None	RIGID	Typical
129	57	N140A	N134A			RIGID	None	None	RIGID	Typical
130	56	N146	N135A		240	RIGID	None	None	RIGID	Typical
131	55	N142	N132A		120	RIGID	None	None	RIGID	Typical
132	54	N130B	N230			RIGID	None	None	RIGID	Typical
133	53	N129A	N235			RIGID	None	None	RIGID	Typical
134	52	N147	N148			RIGID	None	None	RIGID	Typical
135	51	N143	N144		180	RIGID	None	None	RIGID	Typical
136	50	N139A	N140			RIGID	None	None	RIGID	Typical
137	49	N138	N137A			RIGID	None	None	RIGID	Typical
138	37	N112	N117			RIGID	None	None	RIGID	Typical
139	32	N100	N105			RIGID	None	None	RIGID	Typical
140	27	N99	N90			RIGID	None	None	RIGID	Typical
141	26	N97	N88			RIGID	None	None	RIGID	Typical
142	25	N98	N89			RIGID	None	None	RIGID	Typical
143	24	N96	N70			RIGID	None	None	RIGID	Typical
144	23	N94	N68			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
145	22	N95	N69			RIGID	None	None	RIGID	Typical
146	21	N93	N50			RIGID	None	None	RIGID	Typical
147	20	N91	N48			RIGID	None	None	RIGID	Typical
148	19	N92	N49			RIGID	None	None	RIGID	Typical
149	18	N85	N86			RIGID	None	None	RIGID	Typical
150	17	N85	N83			RIGID	None	None	RIGID	Typical
151	16	N74	N75			RIGID	None	None	RIGID	Typical
152	15	N71	N72			RIGID	None	None	RIGID	Typical
153	14	N65	N66			RIGID	None	None	RIGID	Typical
154	13	N65	N63			RIGID	None	None	RIGID	Typical
155	12	N54	N55			RIGID	None	None	RIGID	Typical
156	11	N51	N52			RIGID	None	None	RIGID	Typical
157	10	N45	N46			RIGID	None	None	RIGID	Typical
158	9	N45	N43			RIGID	None	None	RIGID	Typical
159	8	N34	N35			RIGID	None	None	RIGID	Typical
160	7	N31	N32			RIGID	None	None	RIGID	Typical
161	6	N27	N28			RIGID	None	None	RIGID	Typical
162	5	N23	N24			RIGID	None	None	RIGID	Typical
163	4	N19	N20			RIGID	None	None	RIGID	Typical
164	3	N15	N16			RIGID	None	None	RIGID	Typical
165	2	N11	N12			RIGID	None	None	RIGID	Typical
166	1	N7	N8			RIGID	None	None	RIGID	Typical
167	M167	N255	N256			RIGID	None	None	RIGID	Typical
168	M168	N253A	N254A		180	RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	SUP6	BenPIN	BenPIN				Yes	Default			None
2	SUP5	BenPIN	BenPIN				Yes	Default			None
3	SUP4	BenPIN	BenPIN				Yes	Default			None
4	SUP3	BenPIN	BenPIN				Yes	Default			None
5	SUP2	BenPIN	BenPIN				Yes	Default			None
6	SUP1	BenPIN	BenPIN				Yes	Default			None
7	SR12		OOOOOO				Yes	Default			None
8	SR11		OOOOOO				Yes	Default			None
9	SR10		OOOOOO				Yes	Default			None
10	SR9		OOOOOO				Yes	Default			None
11	SR8		OOOOOO				Yes	Default			None
12	SR7		OOOOOO				Yes	Default			None
13	SR6		OOOOOO				Yes	Default			None
14	SR5		OOOOOO				Yes	Default			None
15	SR4		OOOOOO				Yes	Default			None
16	SR3		OOOOOO				Yes	Default			None
17	SR2		OOOOOO				Yes	Default			None
18	SR1		OOOOOO				Yes	Default			None
19	SO3						Yes				None
20	SO2						Yes				None
21	SO1						Yes				None
22	RPL6						Yes				None
23	RPL5						Yes				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...
24	RPL4						Yes				None
25	RPL3						Yes				None
26	RPL2						Yes				None
27	RPL1						Yes				None
28	RAIL3						Yes	Default			None
29	RAIL2						Yes	Default			None
30	RAIL1						Yes	Default			None
31	PL12						Yes				None
32	PL11						Yes				None
33	PL10						Yes				None
34	PL9						Yes				None
35	PL8						Yes				None
36	PL7						Yes				None
37	PL6						Yes				None
38	PL5						Yes				None
39	PL4						Yes				None
40	PL3						Yes				None
41	PL2						Yes				None
42	PL1						Yes				None
43	MP GAMM...						Yes	Default			None
44	MP GAMM...						Yes	Default			None
45	MP GAMM...						Yes	Default			None
46	MP GAMM...						Yes	Default			None
47	MP GAMM...						Yes	Default			None
48	MP BETA5						Yes	Default			None
49	MP BETA4						Yes	Default			None
50	MP BETA3						Yes	Default			None
51	MP BETA2						Yes	Default			None
52	MP BETA1						Yes	Default			None
53	MP ALPHA5						Yes	Default			None
54	MP ALPHA4						Yes	Default			None
55	MP ALPHA3						Yes	Default			None
56	MP ALPHA2						Yes	Default			None
57	MP ALPHA1						Yes	Default			None
58	KICK3	OOOOOX	OOOOOX				Yes	Default			None
59	KICK2	OOOOOX	OOOOOX				Yes	Default			None
60	KICK1	OOOOOX	OOOOOX				Yes	Default			None
61	FACE3						Yes				None
62	FACE2						Yes				None
63	FACE1						Yes				None
64	CR6						Yes				None
65	CR5						Yes				None
66	CR4						Yes				None
67	CR3						Yes				None
68	CR2						Yes				None
69	CR1						Yes				None
70	CORN PL9						Yes				None
71	CORN PL8						Yes				None
72	CORN PL7						Yes				None
73	CORN PL6						Yes				None
74	CORN PL5						Yes				None
75	CORN PL4						Yes				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...
76	CORN PL3						Yes				None
77	CORN PL2						Yes				None
78	CORN PL1						Yes				None
79	ANGLE3						Yes				None
80	ANGLE2						Yes				None
81	ANGLE1						Yes				None
82	104						Yes	** NA **			None
83	103						Yes	** NA **			None
84	102						Yes	** NA **			None
85	101						Yes	** NA **			None
86	100						Yes	** NA **			None
87	99						Yes	** NA **			None
88	98						Yes	** NA **			None
89	97						Yes	** NA **			None
90	96						Yes	** NA **			None
91	95						Yes	** NA **			None
92	94						Yes	** NA **			None
93	93						Yes	** NA **			None
94	92						Yes	** NA **			None
95	91						Yes	** NA **			None
96	90						Yes	** NA **			None
97	89						Yes	** NA **			None
98	88						Yes	** NA **			None
99	87						Yes	** NA **			None
100	86						Yes	** NA **			None
101	85						Yes	** NA **			None
102	84						Yes	** NA **			None
103	83						Yes	** NA **			None
104	82						Yes	** NA **			None
105	81						Yes	** NA **			None
106	80						Yes	** NA **			None
107	79						Yes	** NA **			None
108	78						Yes	** NA **			None
109	77						Yes	** NA **			None
110	76						Yes	** NA **			None
111	75						Yes	** NA **			None
112	74						Yes	** NA **			None
113	73						Yes	** NA **			None
114	72						Yes	** NA **			None
115	71						Yes	** NA **			None
116	70						Yes	** NA **			None
117	69						Yes	** NA **			None
118	68						Yes	** NA **			None
119	67						Yes	** NA **			None
120	66						Yes	** NA **			None
121	65						Yes	** NA **			None
122	64						Yes	** NA **			None
123	63						Yes	** NA **			None
124	62						Yes	** NA **			None
125	61						Yes	** NA **			None
126	60						Yes	** NA **			None
127	59						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...
128	58						Yes	** NA **			None
129	57						Yes	** NA **			None
130	56						Yes	** NA **			None
131	55						Yes	** NA **			None
132	54						Yes	** NA **			None
133	53						Yes	** NA **			None
134	52						Yes	** NA **			None
135	51						Yes	** NA **			None
136	50						Yes	** NA **			None
137	49						Yes	** NA **			None
138	37						Yes	** NA **			None
139	32						Yes	** NA **			None
140	27						Yes	** NA **			None
141	26						Yes	** NA **			None
142	25						Yes	** NA **			None
143	24						Yes	** NA **			None
144	23						Yes	** NA **			None
145	22						Yes	** NA **			None
146	21						Yes	** NA **			None
147	20						Yes	** NA **			None
148	19						Yes	** NA **			None
149	18						Yes	** NA **			None
150	17						Yes	** NA **			None
151	16	OOOXOO					Yes	** NA **			None
152	15	OOOXOO					Yes	** NA **			None
153	14						Yes	** NA **			None
154	13						Yes	** NA **			None
155	12	OOOXOO					Yes	** NA **			None
156	11	OOOXOO					Yes	** NA **			None
157	10						Yes	** NA **			None
158	9						Yes	** NA **			None
159	8	OOOXOO					Yes	** NA **			None
160	7	OOOXOO					Yes	** NA **			None
161	6	OOOXOO					Yes	** NA **			None
162	5	OOOXOO					Yes	** NA **			None
163	4	OOOXOO					Yes	** NA **			None
164	3	OOOXOO					Yes	** NA **			None
165	2	OOOXOO					Yes	** NA **			None
166	1	OOOXOO					Yes	** NA **			None
167	M167						Yes	** NA **			None
168	M168						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
1	SUP6	L2x2x3	4.379			Lbyy						Lateral
2	SUP5	L2x2x3	4.379			Lbyy						Lateral
3	SUP4	L2x2x3	4.379			Lbyy						Lateral
4	SUP3	L2x2x3	4.379			Lbyy						Lateral
5	SUP2	L2x2x3	4.379			Lbyy						Lateral
6	SUP1	L2x2x3	4.379			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[...	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
7	SR12	SR 5/8	.75			Lbyy						Lateral
8	SR11	SR 5/8	.75			Lbyy						Lateral
9	SR10	SR 5/8	.75			Lbyy						Lateral
10	SR9	SR 5/8	.75			Lbyy						Lateral
11	SR8	SR 5/8	.75			Lbyy						Lateral
12	SR7	SR 5/8	.75			Lbyy						Lateral
13	SR6	SR 5/8	.75			Lbyy						Lateral
14	SR5	SR 5/8	.75			Lbyy						Lateral
15	SR4	SR 5/8	.75			Lbyy						Lateral
16	SR3	SR 5/8	.75			Lbyy						Lateral
17	SR2	SR 5/8	.75			Lbyy						Lateral
18	SR1	SR 5/8	.75			Lbyy						Lateral
19	SO3	HSS4X4X4	5.603			Lbyy						Lateral
20	SO2	HSS4X4X4	5.603			Lbyy						Lateral
21	SO1	HSS4X4X4	5.603			Lbyy						Lateral
22	RPL6	5x0.25	.25			Lbyy						Lateral
23	RPL5	5x0.25	.25			Lbyy						Lateral
24	RPL4	5x0.25	.25			Lbyy						Lateral
25	RPL3	5x0.25	.25			Lbyy						Lateral
26	RPL2	5x0.25	.25			Lbyy						Lateral
27	RPL1	5x0.25	.25			Lbyy						Lateral
28	RAIL3	PIPE_2.0	12.5			Lbyy						Lateral
29	RAIL2	PIPE_2.0	12.5			Lbyy						Lateral
30	RAIL1	PIPE_2.0	12.5			Lbyy						Lateral
31	PL12	6x0.375	.36			Lbyy						Lateral
32	PL11	6x0.375	.324			Lbyy						Lateral
33	PL10	6x0.375	.324			Lbyy						Lateral
34	PL9	6x0.375	.36			Lbyy						Lateral
35	PL8	6x0.375	.36			Lbyy						Lateral
36	PL7	6x0.375	.324			Lbyy						Lateral
37	PL6	6x0.375	.324			Lbyy						Lateral
38	PL5	6x0.375	.36			Lbyy						Lateral
39	PL4	6x0.375	.36			Lbyy						Lateral
40	PL3	6x0.375	.324			Lbyy						Lateral
41	PL2	6x0.375	.324			Lbyy						Lateral
42	PL1	6x0.375	.36			Lbyy						Lateral
43	MP GAMMA5	PIPE_2.0	8			Lbyy						Lateral
44	MP GAMMA4	PIPE_2.0	8			Lbyy						Lateral
45	MP GAMMA3	PIPE_2.0	8			Lbyy						Lateral
46	MP GAMMA2	PIPE_2.0	8			Lbyy						Lateral
47	MP GAMMA1	PIPE_2.0	8			Lbyy						Lateral
48	MP BETA5	PIPE_2.0	8			Lbyy						Lateral
49	MP BETA4	PIPE_2.0	8			Lbyy						Lateral
50	MP BETA3	PIPE_2.0	8			Lbyy						Lateral
51	MP BETA2	PIPE_2.0	8			Lbyy						Lateral
52	MP BETA1	PIPE_2.0	8			Lbyy						Lateral
53	MP ALPHA5	PIPE_2.0	8			Lbyy						Lateral
54	MP ALPHA4	PIPE_2.0	8			Lbyy						Lateral
55	MP ALPHA3	PIPE_2.0	8			Lbyy						Lateral
56	MP ALPHA2	PIPE_2.0	8			Lbyy						Lateral
57	MP ALPHA1	PIPE_2.0	8			Lbyy						Lateral
58	KICK3	LL2.5x2.5x3x3	4.02			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[...	Lbyy[ft]	Lbzz[ft]	Lcomp top	Lcomp bot	L-torq...	Kyy	Kzz	Cb	Functi...
59	KICK2	LL2.5x2.5x3x3	4.02			Lbyy						Lateral
60	KICK1	LL2.5x2.5x3x3	4.02			Lbyy						Lateral
61	FACE3	PIPE_3.0	12.5			Lbyy						Lateral
62	FACE2	PIPE_3.0	12.5			Lbyy						Lateral
63	FACE1	PIPE_3.0	12.5			Lbyy						Lateral
64	CR6	HSS4X4X4	2.576			Lbyy						Lateral
65	CR5	HSS4X4X4	2.576			Lbyy						Lateral
66	CR4	HSS4X4X4	2.576			Lbyy						Lateral
67	CR3	HSS4X4X4	2.576			Lbyy						Lateral
68	CR2	HSS4X4X4	2.576			Lbyy						Lateral
69	CR1	HSS4X4X4	2.576			Lbyy						Lateral
70	CORN PL9	6x0.5	.36			Lbyy						Lateral
71	CORN PL8	6x0.5	1.126			Lbyy						Lateral
72	CORN PL7	6x0.5	.36			Lbyy						Lateral
73	CORN PL6	6x0.5	.36			Lbyy						Lateral
74	CORN PL5	6x0.5	1.126			Lbyy						Lateral
75	CORN PL4	6x0.5	.36			Lbyy						Lateral
76	CORN PL3	6x0.5	.36			Lbyy						Lateral
77	CORN PL2	6x0.5	1.126			Lbyy						Lateral
78	CORN PL1	6x0.5	.36			Lbyy						Lateral
79	ANGLE3	L2.5x2.5x4	1.409			Lbyy						Lateral
80	ANGLE2	L2.5x2.5x4	1.409			Lbyy						Lateral
81	ANGLE1	L2.5x2.5x4	1.409			Lbyy						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
8	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1
9	SAE J429 GR.2	29000	11154	.3	.65	.49	57	1.1	74	1.1

Member Point Loads (BLC 1 : Live Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	FACE1	Z	-.5	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.068	6.833
2	MP ALPHA3	Y	-.068	5.167
3	MP BETA3	Y	-.04	6.833
4	MP BETA3	Y	-.04	5.167
5	MP GAMMA3	Y	-.04	6.833
6	MP GAMMA3	Y	-.04	5.167

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
7	MP BETA4	Y	-.136	6.083
8	MP BETA4	Y	-.136	1.917
9	MP GAMMA4	Y	-.136	6.083
10	MP GAMMA4	Y	-.136	1.917
11	MP ALPHA4	Y	-.329	7
12	MP ALPHA4	Y	-.329	1
13	MP ALPHA1	Y	-.346	7
14	MP ALPHA1	Y	-.346	1
15	MP BETA1	Y	-.156	6.083
16	MP BETA1	Y	-.156	1.917
17	MP GAMMA1	Y	-.156	6.083
18	MP GAMMA1	Y	-.156	1.917
19	MP ALPHA4	Y	-.101	4
20	MP BETA4	Y	-.071	4
21	MP GAMMA4	Y	-.071	4
22	MP ALPHA5	Y	-.061	4
23	MP BETA5	Y	-.034	4
24	MP GAMMA5	Y	-.034	4
25	MP ALPHA4	Y	-.072	4
26	MP BETA4	Y	-.057	4
27	MP GAMMA4	Y	-.057	4
28	MP ALPHA2	Y	-.103	4
29	MP BETA2	Y	-.059	4
30	MP GAMMA2	Y	-.059	4
31	MP ALPHA5	Y	-.068	4
32	MP BETA5	Y	-.046	4
33	MP GAMMA5	Y	-.046	4
34	MP ALPHA3	Y	-.074	2.833
35	MP ALPHA3	Y	-.074	1.167
36	MP BETA3	Y	-.056	2.833
37	MP BETA3	Y	-.056	1.167
38	MP GAMMA3	Y	-.056	2.833
39	MP GAMMA3	Y	-.056	1.167

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.033	6.833
2	MP ALPHA3	Z	-.033	5.167
3	MP BETA3	Z	-.033	6.833
4	MP BETA3	Z	-.033	5.167
5	MP GAMMA3	Z	-.033	6.833
6	MP GAMMA3	Z	-.033	5.167
7	MP BETA4	Z	-.04	6.083
8	MP BETA4	Z	-.04	1.917
9	MP GAMMA4	Z	-.04	6.083
10	MP GAMMA4	Z	-.04	1.917
11	MP ALPHA4	Z	-.048	7
12	MP ALPHA4	Z	-.048	1
13	MP ALPHA1	Z	-.075	7
14	MP ALPHA1	Z	-.075	1
15	MP BETA1	Z	-.065	6.083

Member Point Loads (BLC 3 : Dead Load) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP BETA1	Z	-.065	1.917
17	MP GAMMA1	Z	-.065	6.083
18	MP GAMMA1	Z	-.065	1.917
19	MP ALPHA4	Z	-.053	4
20	MP BETA4	Z	-.053	4
21	MP GAMMA4	Z	-.053	4
22	MP ALPHA5	Z	-.044	4
23	MP BETA5	Z	-.044	4
24	MP GAMMA5	Z	-.044	4
25	MP ALPHA4	Z	-.071	4
26	MP BETA4	Z	-.071	4
27	MP GAMMA4	Z	-.071	4
28	MP ALPHA2	Z	-.05	4
29	MP BETA2	Z	-.05	4
30	MP GAMMA2	Z	-.05	4
31	MP ALPHA5	Z	-.06	4
32	MP BETA5	Z	-.06	4
33	MP GAMMA5	Z	-.06	4
34	MP ALPHA3	Z	-.041	2.833
35	MP ALPHA3	Z	-.041	1.167
36	MP BETA3	Z	-.041	2.833
37	MP BETA3	Z	-.041	1.167
38	MP GAMMA3	Z	-.041	2.833
39	MP GAMMA3	Z	-.041	1.167

Member Point Loads (BLC 4 : Wind Load (30))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.051	6.833
2	MP ALPHA3	Y	-.051	5.167
3	MP ALPHA3	X	-.029	6.833
4	MP ALPHA3	X	-.029	5.167
5	MP BETA3	Y	-.026	6.833
6	MP BETA3	Y	-.026	5.167
7	MP BETA3	X	-.015	6.833
8	MP BETA3	X	-.015	5.167
9	MP GAMMA3	Y	-.051	6.833
10	MP GAMMA3	Y	-.051	5.167
11	MP GAMMA3	X	-.029	6.833
12	MP GAMMA3	X	-.029	5.167
13	MP BETA4	Y	-.09	6.083
14	MP BETA4	Y	-.09	1.917
15	MP BETA4	X	-.052	6.083
16	MP BETA4	X	-.052	1.917
17	MP GAMMA4	Y	-.174	6.083
18	MP GAMMA4	Y	-.174	1.917
19	MP GAMMA4	X	-.101	6.083
20	MP GAMMA4	X	-.101	1.917
21	MP ALPHA4	Y	-.246	7
22	MP ALPHA4	Y	-.246	1
23	MP ALPHA4	X	-.142	7
24	MP ALPHA4	X	-.142	1

Member Point Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA1	Y	-.263	7
26	MP ALPHA1	Y	-.263	1
27	MP ALPHA1	X	-.152	7
28	MP ALPHA1	X	-.152	1
29	MP BETA1	Y	-.108	6.083
30	MP BETA1	Y	-.108	1.917
31	MP BETA1	X	-.063	6.083
32	MP BETA1	X	-.063	1.917
33	MP GAMMA1	Y	-.189	6.083
34	MP GAMMA1	Y	-.189	1.917
35	MP GAMMA1	X	-.109	6.083
36	MP GAMMA1	X	-.109	1.917
37	MP ALPHA4	Y	-.079	4
38	MP ALPHA4	X	-.046	4
39	MP BETA4	Y	-.053	4
40	MP BETA4	X	-.031	4
41	MP GAMMA4	Y	-.079	4
42	MP GAMMA4	X	-.046	4
43	MP ALPHA5	Y	-.045	4
44	MP ALPHA5	X	-.026	4
45	MP BETA5	Y	-.022	4
46	MP BETA5	X	-.012	4
47	MP GAMMA5	Y	-.045	4
48	MP GAMMA5	X	-.026	4
49	MP ALPHA4	Y	-.058	4
50	MP ALPHA4	X	-.034	4
51	MP BETA4	Y	-.045	4
52	MP BETA4	X	-.026	4
53	MP GAMMA4	Y	-.058	4
54	MP GAMMA4	X	-.034	4
55	MP ALPHA2	Y	-.076	4
56	MP ALPHA2	X	-.044	4
57	MP BETA2	Y	-.038	4
58	MP BETA2	X	-.022	4
59	MP GAMMA2	Y	-.076	4
60	MP GAMMA2	X	-.044	4
61	MP ALPHA5	Y	-.052	4
62	MP ALPHA5	X	-.03	4
63	MP BETA5	Y	-.034	4
64	MP BETA5	X	-.019	4
65	MP GAMMA5	Y	-.052	4
66	MP GAMMA5	X	-.03	4
67	MP ALPHA3	Y	-.059	2.833
68	MP ALPHA3	Y	-.059	1.167
69	MP ALPHA3	X	-.034	2.833
70	MP ALPHA3	X	-.034	1.167
71	MP BETA3	Y	-.043	2.833
72	MP BETA3	Y	-.043	1.167
73	MP BETA3	X	-.025	2.833
74	MP BETA3	X	-.025	1.167
75	MP GAMMA3	Y	-.059	2.833
76	MP GAMMA3	Y	-.059	1.167

Member Point Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
77	MP GAMMA3	X	-.034	2.833
78	MP GAMMA3	X	-.034	1.167

Member Point Loads (BLC 5 : Wind Load (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.02	6.833
2	MP ALPHA3	Y	-.02	5.167
3	MP ALPHA3	X	-.035	6.833
4	MP ALPHA3	X	-.035	5.167
5	MP BETA3	Y	-.02	6.833
6	MP BETA3	Y	-.02	5.167
7	MP BETA3	X	-.035	6.833
8	MP BETA3	X	-.035	5.167
9	MP GAMMA3	Y	-.034	6.833
10	MP GAMMA3	Y	-.034	5.167
11	MP GAMMA3	X	-.059	6.833
12	MP GAMMA3	X	-.059	5.167
13	MP BETA4	Y	-.068	6.083
14	MP BETA4	Y	-.068	1.917
15	MP BETA4	X	-.118	6.083
16	MP BETA4	X	-.118	1.917
17	MP GAMMA4	Y	-.117	6.083
18	MP GAMMA4	Y	-.117	1.917
19	MP GAMMA4	X	-.203	6.083
20	MP GAMMA4	X	-.203	1.917
21	MP ALPHA4	Y	-.097	7
22	MP ALPHA4	Y	-.097	1
23	MP ALPHA4	X	-.168	7
24	MP ALPHA4	X	-.168	1
25	MP ALPHA1	Y	-.11	7
26	MP ALPHA1	Y	-.11	1
27	MP ALPHA1	X	-.19	7
28	MP ALPHA1	X	-.19	1
29	MP BETA1	Y	-.078	6.083
30	MP BETA1	Y	-.078	1.917
31	MP BETA1	X	-.135	6.083
32	MP BETA1	X	-.135	1.917
33	MP GAMMA1	Y	-.125	6.083
34	MP GAMMA1	Y	-.125	1.917
35	MP GAMMA1	X	-.216	6.083
36	MP GAMMA1	X	-.216	1.917
37	MP ALPHA4	Y	-.036	4
38	MP ALPHA4	X	-.062	4
39	MP BETA4	Y	-.036	4
40	MP BETA4	X	-.062	4
41	MP GAMMA4	Y	-.05	4
42	MP GAMMA4	X	-.087	4
43	MP ALPHA5	Y	-.017	4
44	MP ALPHA5	X	-.029	4
45	MP BETA5	Y	-.017	4
46	MP BETA5	X	-.029	4

Member Point Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA5	Y	-.03	4
48	MP GAMMA5	X	-.052	4
49	MP ALPHA4	Y	-.028	4
50	MP ALPHA4	X	-.049	4
51	MP BETA4	Y	-.028	4
52	MP BETA4	X	-.049	4
53	MP GAMMA4	Y	-.036	4
54	MP GAMMA4	X	-.063	4
55	MP ALPHA2	Y	-.029	4
56	MP ALPHA2	X	-.051	4
57	MP BETA2	Y	-.029	4
58	MP BETA2	X	-.051	4
59	MP GAMMA2	Y	-.051	4
60	MP GAMMA2	X	-.089	4
61	MP ALPHA5	Y	-.023	4
62	MP ALPHA5	X	-.04	4
63	MP BETA5	Y	-.023	4
64	MP BETA5	X	-.04	4
65	MP GAMMA5	Y	-.034	4
66	MP GAMMA5	X	-.059	4
67	MP ALPHA3	Y	-.028	2.833
68	MP ALPHA3	Y	-.028	1.167
69	MP ALPHA3	X	-.048	2.833
70	MP ALPHA3	X	-.048	1.167
71	MP BETA3	Y	-.028	2.833
72	MP BETA3	Y	-.028	1.167
73	MP BETA3	X	-.048	2.833
74	MP BETA3	X	-.048	1.167
75	MP GAMMA3	Y	-.037	2.833
76	MP GAMMA3	Y	-.037	1.167
77	MP GAMMA3	X	-.064	2.833
78	MP GAMMA3	X	-.064	1.167

Member Point Loads (BLC 6 : Wind Load (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.031	6.833
2	MP ALPHA3	X	-.031	5.167
3	MP BETA3	X	-.059	6.833
4	MP BETA3	X	-.059	5.167
5	MP GAMMA3	X	-.059	6.833
6	MP GAMMA3	X	-.059	5.167
7	MP BETA4	X	-.201	6.083
8	MP BETA4	X	-.201	1.917
9	MP GAMMA4	X	-.201	6.083
10	MP GAMMA4	X	-.201	1.917
11	MP ALPHA4	X	-.149	7
12	MP ALPHA4	X	-.149	1
13	MP ALPHA1	X	-.177	7
14	MP ALPHA1	X	-.177	1
15	MP BETA1	X	-.219	6.083
16	MP BETA1	X	-.219	1.917

Member Point Loads (BLC 6 : Wind Load (90)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP GAMMA1	X	-.219	6.083
18	MP GAMMA1	X	-.219	1.917
19	MP ALPHA4	X	-.061	4
20	MP BETA4	X	-.091	4
21	MP GAMMA4	X	-.091	4
22	MP ALPHA5	X	-.025	4
23	MP BETA5	X	-.052	4
24	MP GAMMA5	X	-.052	4
25	MP ALPHA4	X	-.052	4
26	MP BETA4	X	-.067	4
27	MP GAMMA4	X	-.067	4
28	MP ALPHA2	X	-.044	4
29	MP BETA2	X	-.088	4
30	MP GAMMA2	X	-.088	4
31	MP ALPHA5	X	-.039	4
32	MP BETA5	X	-.061	4
33	MP GAMMA5	X	-.061	4
34	MP ALPHA3	X	-.05	2.833
35	MP ALPHA3	X	-.05	1.167
36	MP BETA3	X	-.068	2.833
37	MP BETA3	X	-.068	1.167
38	MP GAMMA3	X	-.068	2.833
39	MP GAMMA3	X	-.068	1.167

Member Point Loads (BLC 7 : Wind Load (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.02	6.833
2	MP ALPHA3	Y	.02	5.167
3	MP ALPHA3	X	-.035	6.833
4	MP ALPHA3	X	-.035	5.167
5	MP BETA3	Y	.034	6.833
6	MP BETA3	Y	.034	5.167
7	MP BETA3	X	-.059	6.833
8	MP BETA3	X	-.059	5.167
9	MP GAMMA3	Y	.02	6.833
10	MP GAMMA3	Y	.02	5.167
11	MP GAMMA3	X	-.035	6.833
12	MP GAMMA3	X	-.035	5.167
13	MP BETA4	Y	.117	6.083
14	MP BETA4	Y	.117	1.917
15	MP BETA4	X	-.203	6.083
16	MP BETA4	X	-.203	1.917
17	MP GAMMA4	Y	.068	6.083
18	MP GAMMA4	Y	.068	1.917
19	MP GAMMA4	X	-.118	6.083
20	MP GAMMA4	X	-.118	1.917
21	MP ALPHA4	Y	.097	7
22	MP ALPHA4	Y	.097	1
23	MP ALPHA4	X	-.168	7
24	MP ALPHA4	X	-.168	1
25	MP ALPHA1	Y	.11	7

Member Point Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
26	MP ALPHA1	Y	.11	1
27	MP ALPHA1	X	-.19	7
28	MP ALPHA1	X	-.19	1
29	MP BETA1	Y	.125	6.083
30	MP BETA1	Y	.125	1.917
31	MP BETA1	X	-.216	6.083
32	MP BETA1	X	-.216	1.917
33	MP GAMMA1	Y	.078	6.083
34	MP GAMMA1	Y	.078	1.917
35	MP GAMMA1	X	-.135	6.083
36	MP GAMMA1	X	-.135	1.917
37	MP ALPHA4	Y	.036	4
38	MP ALPHA4	X	-.062	4
39	MP BETA4	Y	.05	4
40	MP BETA4	X	-.087	4
41	MP GAMMA4	Y	.036	4
42	MP GAMMA4	X	-.062	4
43	MP ALPHA5	Y	.017	4
44	MP ALPHA5	X	-.029	4
45	MP BETA5	Y	.03	4
46	MP BETA5	X	-.052	4
47	MP GAMMA5	Y	.017	4
48	MP GAMMA5	X	-.029	4
49	MP ALPHA4	Y	.028	4
50	MP ALPHA4	X	-.049	4
51	MP BETA4	Y	.036	4
52	MP BETA4	X	-.063	4
53	MP GAMMA4	Y	.028	4
54	MP GAMMA4	X	-.049	4
55	MP ALPHA2	Y	.029	4
56	MP ALPHA2	X	-.051	4
57	MP BETA2	Y	.051	4
58	MP BETA2	X	-.089	4
59	MP GAMMA2	Y	.029	4
60	MP GAMMA2	X	-.051	4
61	MP ALPHA5	Y	.023	4
62	MP ALPHA5	X	-.04	4
63	MP BETA5	Y	.034	4
64	MP BETA5	X	-.059	4
65	MP GAMMA5	Y	.023	4
66	MP GAMMA5	X	-.04	4
67	MP ALPHA3	Y	.028	2.833
68	MP ALPHA3	Y	.028	1.167
69	MP ALPHA3	X	-.048	2.833
70	MP ALPHA3	X	-.048	1.167
71	MP BETA3	Y	.037	2.833
72	MP BETA3	Y	.037	1.167
73	MP BETA3	X	-.064	2.833
74	MP BETA3	X	-.064	1.167
75	MP GAMMA3	Y	.028	2.833
76	MP GAMMA3	Y	.028	1.167
77	MP GAMMA3	X	-.048	2.833

Member Point Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
78	MP GAMMA3	X	-.048	1.167

Member Point Loads (BLC 8 : Wind Load (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.051	6.833
2	MP ALPHA3	Y	.051	5.167
3	MP ALPHA3	X	-.029	6.833
4	MP ALPHA3	X	-.029	5.167
5	MP BETA3	Y	.051	6.833
6	MP BETA3	Y	.051	5.167
7	MP BETA3	X	-.029	6.833
8	MP BETA3	X	-.029	5.167
9	MP GAMMA3	Y	.026	6.833
10	MP GAMMA3	Y	.026	5.167
11	MP GAMMA3	X	-.015	6.833
12	MP GAMMA3	X	-.015	5.167
13	MP BETA4	Y	.174	6.083
14	MP BETA4	Y	.174	1.917
15	MP BETA4	X	-.101	6.083
16	MP BETA4	X	-.101	1.917
17	MP GAMMA4	Y	.09	6.083
18	MP GAMMA4	Y	.09	1.917
19	MP GAMMA4	X	-.052	6.083
20	MP GAMMA4	X	-.052	1.917
21	MP ALPHA4	Y	.246	7
22	MP ALPHA4	Y	.246	1
23	MP ALPHA4	X	-.142	7
24	MP ALPHA4	X	-.142	1
25	MP ALPHA1	Y	.263	7
26	MP ALPHA1	Y	.263	1
27	MP ALPHA1	X	-.152	7
28	MP ALPHA1	X	-.152	1
29	MP BETA1	Y	.189	6.083
30	MP BETA1	Y	.189	1.917
31	MP BETA1	X	-.109	6.083
32	MP BETA1	X	-.109	1.917
33	MP GAMMA1	Y	.108	6.083
34	MP GAMMA1	Y	.108	1.917
35	MP GAMMA1	X	-.063	6.083
36	MP GAMMA1	X	-.063	1.917
37	MP ALPHA4	Y	.079	4
38	MP ALPHA4	X	-.046	4
39	MP BETA4	Y	.079	4
40	MP BETA4	X	-.046	4
41	MP GAMMA4	Y	.053	4
42	MP GAMMA4	X	-.031	4
43	MP ALPHA5	Y	.045	4
44	MP ALPHA5	X	-.026	4
45	MP BETA5	Y	.045	4
46	MP BETA5	X	-.026	4
47	MP GAMMA5	Y	.022	4

Member Point Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
48	MP GAMMA5	X	-.012	4
49	MP ALPHA4	Y	.058	4
50	MP ALPHA4	X	-.034	4
51	MP BETA4	Y	.058	4
52	MP BETA4	X	-.034	4
53	MP GAMMA4	Y	.045	4
54	MP GAMMA4	X	-.026	4
55	MP ALPHA2	Y	.076	4
56	MP ALPHA2	X	-.044	4
57	MP BETA2	Y	.076	4
58	MP BETA2	X	-.044	4
59	MP GAMMA2	Y	.038	4
60	MP GAMMA2	X	-.022	4
61	MP ALPHA5	Y	.052	4
62	MP ALPHA5	X	-.03	4
63	MP BETA5	Y	.052	4
64	MP BETA5	X	-.03	4
65	MP GAMMA5	Y	.034	4
66	MP GAMMA5	X	-.019	4
67	MP ALPHA3	Y	.059	2.833
68	MP ALPHA3	Y	.059	1.167
69	MP ALPHA3	X	-.034	2.833
70	MP ALPHA3	X	-.034	1.167
71	MP BETA3	Y	.059	2.833
72	MP BETA3	Y	.059	1.167
73	MP BETA3	X	-.034	2.833
74	MP BETA3	X	-.034	1.167
75	MP GAMMA3	Y	.043	2.833
76	MP GAMMA3	Y	.043	1.167
77	MP GAMMA3	X	-.025	2.833
78	MP GAMMA3	X	-.025	1.167

Member Point Loads (BLC 9 : Wind Load (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.068	6.833
2	MP ALPHA3	Y	.068	5.167
3	MP BETA3	Y	.04	6.833
4	MP BETA3	Y	.04	5.167
5	MP GAMMA3	Y	.04	6.833
6	MP GAMMA3	Y	.04	5.167
7	MP BETA4	Y	.136	6.083
8	MP BETA4	Y	.136	1.917
9	MP GAMMA4	Y	.136	6.083
10	MP GAMMA4	Y	.136	1.917
11	MP ALPHA4	Y	.329	7
12	MP ALPHA4	Y	.329	1
13	MP ALPHA1	Y	.346	7
14	MP ALPHA1	Y	.346	1
15	MP BETA1	Y	.156	6.083
16	MP BETA1	Y	.156	1.917
17	MP GAMMA1	Y	.156	6.083

Member Point Loads (BLC 9 : Wind Load (180)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP GAMMA1	Y	.156	1.917
19	MP ALPHA4	Y	.101	4
20	MP BETA4	Y	.071	4
21	MP GAMMA4	Y	.071	4
22	MP ALPHA5	Y	.061	4
23	MP BETA5	Y	.034	4
24	MP GAMMA5	Y	.034	4
25	MP ALPHA4	Y	.072	4
26	MP BETA4	Y	.057	4
27	MP GAMMA4	Y	.057	4
28	MP ALPHA2	Y	.103	4
29	MP BETA2	Y	.059	4
30	MP GAMMA2	Y	.059	4
31	MP ALPHA5	Y	.068	4
32	MP BETA5	Y	.046	4
33	MP GAMMA5	Y	.046	4
34	MP ALPHA3	Y	.074	2.833
35	MP ALPHA3	Y	.074	1.167
36	MP BETA3	Y	.056	2.833
37	MP BETA3	Y	.056	1.167
38	MP GAMMA3	Y	.056	2.833
39	MP GAMMA3	Y	.056	1.167

Member Point Loads (BLC 10 : Wind Load (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.051	6.833
2	MP ALPHA3	Y	.051	5.167
3	MP ALPHA3	X	.029	6.833
4	MP ALPHA3	X	.029	5.167
5	MP BETA3	Y	.026	6.833
6	MP BETA3	Y	.026	5.167
7	MP BETA3	X	.015	6.833
8	MP BETA3	X	.015	5.167
9	MP GAMMA3	Y	.051	6.833
10	MP GAMMA3	Y	.051	5.167
11	MP GAMMA3	X	.029	6.833
12	MP GAMMA3	X	.029	5.167
13	MP BETA4	Y	.09	6.083
14	MP BETA4	Y	.09	1.917
15	MP BETA4	X	.052	6.083
16	MP BETA4	X	.052	1.917
17	MP GAMMA4	Y	.174	6.083
18	MP GAMMA4	Y	.174	1.917
19	MP GAMMA4	X	.101	6.083
20	MP GAMMA4	X	.101	1.917
21	MP ALPHA4	Y	.246	7
22	MP ALPHA4	Y	.246	1
23	MP ALPHA4	X	.142	7
24	MP ALPHA4	X	.142	1
25	MP ALPHA1	Y	.263	7
26	MP ALPHA1	Y	.263	1

Member Point Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP ALPHA1	X	.152	7
28	MP ALPHA1	X	.152	1
29	MP BETA1	Y	.108	6.083
30	MP BETA1	Y	.108	1.917
31	MP BETA1	X	.063	6.083
32	MP BETA1	X	.063	1.917
33	MP GAMMA1	Y	.189	6.083
34	MP GAMMA1	Y	.189	1.917
35	MP GAMMA1	X	.109	6.083
36	MP GAMMA1	X	.109	1.917
37	MP ALPHA4	Y	.079	4
38	MP ALPHA4	X	.046	4
39	MP BETA4	Y	.053	4
40	MP BETA4	X	.031	4
41	MP GAMMA4	Y	.079	4
42	MP GAMMA4	X	.046	4
43	MP ALPHA5	Y	.045	4
44	MP ALPHA5	X	.026	4
45	MP BETA5	Y	.022	4
46	MP BETA5	X	.012	4
47	MP GAMMA5	Y	.045	4
48	MP GAMMA5	X	.026	4
49	MP ALPHA4	Y	.058	4
50	MP ALPHA4	X	.034	4
51	MP BETA4	Y	.045	4
52	MP BETA4	X	.026	4
53	MP GAMMA4	Y	.058	4
54	MP GAMMA4	X	.034	4
55	MP ALPHA2	Y	.076	4
56	MP ALPHA2	X	.044	4
57	MP BETA2	Y	.038	4
58	MP BETA2	X	.022	4
59	MP GAMMA2	Y	.076	4
60	MP GAMMA2	X	.044	4
61	MP ALPHA5	Y	.052	4
62	MP ALPHA5	X	.03	4
63	MP BETA5	Y	.034	4
64	MP BETA5	X	.019	4
65	MP GAMMA5	Y	.052	4
66	MP GAMMA5	X	.03	4
67	MP ALPHA3	Y	.059	2.833
68	MP ALPHA3	Y	.059	1.167
69	MP ALPHA3	X	.034	2.833
70	MP ALPHA3	X	.034	1.167
71	MP BETA3	Y	.043	2.833
72	MP BETA3	Y	.043	1.167
73	MP BETA3	X	.025	2.833
74	MP BETA3	X	.025	1.167
75	MP GAMMA3	Y	.059	2.833
76	MP GAMMA3	Y	.059	1.167
77	MP GAMMA3	X	.034	2.833
78	MP GAMMA3	X	.034	1.167

Member Point Loads (BLC 11 : Wind Load (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.02	6.833
2	MP ALPHA3	Y	.02	5.167
3	MP ALPHA3	X	.035	6.833
4	MP ALPHA3	X	.035	5.167
5	MP BETA3	Y	.02	6.833
6	MP BETA3	Y	.02	5.167
7	MP BETA3	X	.035	6.833
8	MP BETA3	X	.035	5.167
9	MP GAMMA3	Y	.034	6.833
10	MP GAMMA3	Y	.034	5.167
11	MP GAMMA3	X	.059	6.833
12	MP GAMMA3	X	.059	5.167
13	MP BETA4	Y	.068	6.083
14	MP BETA4	Y	.068	1.917
15	MP BETA4	X	.118	6.083
16	MP BETA4	X	.118	1.917
17	MP GAMMA4	Y	.117	6.083
18	MP GAMMA4	Y	.117	1.917
19	MP GAMMA4	X	.203	6.083
20	MP GAMMA4	X	.203	1.917
21	MP ALPHA4	Y	.097	7
22	MP ALPHA4	Y	.097	1
23	MP ALPHA4	X	.168	7
24	MP ALPHA4	X	.168	1
25	MP ALPHA1	Y	.11	7
26	MP ALPHA1	Y	.11	1
27	MP ALPHA1	X	.19	7
28	MP ALPHA1	X	.19	1
29	MP BETA1	Y	.078	6.083
30	MP BETA1	Y	.078	1.917
31	MP BETA1	X	.135	6.083
32	MP BETA1	X	.135	1.917
33	MP GAMMA1	Y	.125	6.083
34	MP GAMMA1	Y	.125	1.917
35	MP GAMMA1	X	.216	6.083
36	MP GAMMA1	X	.216	1.917
37	MP ALPHA4	Y	.036	4
38	MP ALPHA4	X	.062	4
39	MP BETA4	Y	.036	4
40	MP BETA4	X	.062	4
41	MP GAMMA4	Y	.05	4
42	MP GAMMA4	X	.087	4
43	MP ALPHA5	Y	.017	4
44	MP ALPHA5	X	.029	4
45	MP BETA5	Y	.017	4
46	MP BETA5	X	.029	4
47	MP GAMMA5	Y	.03	4
48	MP GAMMA5	X	.052	4
49	MP ALPHA4	Y	.028	4
50	MP ALPHA4	X	.049	4
51	MP BETA4	Y	.028	4
52	MP BETA4	X	.049	4

Member Point Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP GAMMA4	Y	.036	4
54	MP GAMMA4	X	.063	4
55	MP ALPHA2	Y	.029	4
56	MP ALPHA2	X	.051	4
57	MP BETA2	Y	.029	4
58	MP BETA2	X	.051	4
59	MP GAMMA2	Y	.051	4
60	MP GAMMA2	X	.089	4
61	MP ALPHA5	Y	.023	4
62	MP ALPHA5	X	.04	4
63	MP BETA5	Y	.023	4
64	MP BETA5	X	.04	4
65	MP GAMMA5	Y	.034	4
66	MP GAMMA5	X	.059	4
67	MP ALPHA3	Y	.028	2.833
68	MP ALPHA3	Y	.028	1.167
69	MP ALPHA3	X	.048	2.833
70	MP ALPHA3	X	.048	1.167
71	MP BETA3	Y	.028	2.833
72	MP BETA3	Y	.028	1.167
73	MP BETA3	X	.048	2.833
74	MP BETA3	X	.048	1.167
75	MP GAMMA3	Y	.037	2.833
76	MP GAMMA3	Y	.037	1.167
77	MP GAMMA3	X	.064	2.833
78	MP GAMMA3	X	.064	1.167

Member Point Loads (BLC 12 : Wind Load (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	.031	6.833
2	MP ALPHA3	X	.031	5.167
3	MP BETA3	X	.059	6.833
4	MP BETA3	X	.059	5.167
5	MP GAMMA3	X	.059	6.833
6	MP GAMMA3	X	.059	5.167
7	MP BETA4	X	.201	6.083
8	MP BETA4	X	.201	1.917
9	MP GAMMA4	X	.201	6.083
10	MP GAMMA4	X	.201	1.917
11	MP ALPHA4	X	.149	7
12	MP ALPHA4	X	.149	1
13	MP ALPHA1	X	.177	7
14	MP ALPHA1	X	.177	1
15	MP BETA1	X	.219	6.083
16	MP BETA1	X	.219	1.917
17	MP GAMMA1	X	.219	6.083
18	MP GAMMA1	X	.219	1.917
19	MP ALPHA4	X	.061	4
20	MP BETA4	X	.091	4
21	MP GAMMA4	X	.091	4
22	MP ALPHA5	X	.025	4

Member Point Loads (BLC 12 : Wind Load (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	MP BETA5	X	.052	4
24	MP GAMMA5	X	.052	4
25	MP ALPHA4	X	.052	4
26	MP BETA4	X	.067	4
27	MP GAMMA4	X	.067	4
28	MP ALPHA2	X	.044	4
29	MP BETA2	X	.088	4
30	MP GAMMA2	X	.088	4
31	MP ALPHA5	X	.039	4
32	MP BETA5	X	.061	4
33	MP GAMMA5	X	.061	4
34	MP ALPHA3	X	.05	2.833
35	MP ALPHA3	X	.05	1.167
36	MP BETA3	X	.068	2.833
37	MP BETA3	X	.068	1.167
38	MP GAMMA3	X	.068	2.833
39	MP GAMMA3	X	.068	1.167

Member Point Loads (BLC 13 : Wind Load (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.02	6.833
2	MP ALPHA3	Y	-.02	5.167
3	MP ALPHA3	X	.035	6.833
4	MP ALPHA3	X	.035	5.167
5	MP BETA3	Y	-.034	6.833
6	MP BETA3	Y	-.034	5.167
7	MP BETA3	X	.059	6.833
8	MP BETA3	X	.059	5.167
9	MP GAMMA3	Y	-.02	6.833
10	MP GAMMA3	Y	-.02	5.167
11	MP GAMMA3	X	.035	6.833
12	MP GAMMA3	X	.035	5.167
13	MP BETA4	Y	-.117	6.083
14	MP BETA4	Y	-.117	1.917
15	MP BETA4	X	.203	6.083
16	MP BETA4	X	.203	1.917
17	MP GAMMA4	Y	-.068	6.083
18	MP GAMMA4	Y	-.068	1.917
19	MP GAMMA4	X	.118	6.083
20	MP GAMMA4	X	.118	1.917
21	MP ALPHA4	Y	-.097	7
22	MP ALPHA4	Y	-.097	1
23	MP ALPHA4	X	.168	7
24	MP ALPHA4	X	.168	1
25	MP ALPHA1	Y	-.11	7
26	MP ALPHA1	Y	-.11	1
27	MP ALPHA1	X	.19	7
28	MP ALPHA1	X	.19	1
29	MP BETA1	Y	-.125	6.083
30	MP BETA1	Y	-.125	1.917
31	MP BETA1	X	.216	6.083

Member Point Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
32	MP BETA1	X	.216	1.917
33	MP GAMMA1	Y	-.078	6.083
34	MP GAMMA1	Y	-.078	1.917
35	MP GAMMA1	X	.135	6.083
36	MP GAMMA1	X	.135	1.917
37	MP ALPHA4	Y	-.036	4
38	MP ALPHA4	X	.062	4
39	MP BETA4	Y	-.05	4
40	MP BETA4	X	.087	4
41	MP GAMMA4	Y	-.036	4
42	MP GAMMA4	X	.062	4
43	MP ALPHA5	Y	-.017	4
44	MP ALPHA5	X	.029	4
45	MP BETA5	Y	-.03	4
46	MP BETA5	X	.052	4
47	MP GAMMA5	Y	-.017	4
48	MP GAMMA5	X	.029	4
49	MP ALPHA4	Y	-.028	4
50	MP ALPHA4	X	.049	4
51	MP BETA4	Y	-.036	4
52	MP BETA4	X	.063	4
53	MP GAMMA4	Y	-.028	4
54	MP GAMMA4	X	.049	4
55	MP ALPHA2	Y	-.029	4
56	MP ALPHA2	X	.051	4
57	MP BETA2	Y	-.051	4
58	MP BETA2	X	.089	4
59	MP GAMMA2	Y	-.029	4
60	MP GAMMA2	X	.051	4
61	MP ALPHA5	Y	-.023	4
62	MP ALPHA5	X	.04	4
63	MP BETA5	Y	-.034	4
64	MP BETA5	X	.059	4
65	MP GAMMA5	Y	-.023	4
66	MP GAMMA5	X	.04	4
67	MP ALPHA3	Y	-.028	2.833
68	MP ALPHA3	Y	-.028	1.167
69	MP ALPHA3	X	.048	2.833
70	MP ALPHA3	X	.048	1.167
71	MP BETA3	Y	-.037	2.833
72	MP BETA3	Y	-.037	1.167
73	MP BETA3	X	.064	2.833
74	MP BETA3	X	.064	1.167
75	MP GAMMA3	Y	-.028	2.833
76	MP GAMMA3	Y	-.028	1.167
77	MP GAMMA3	X	.048	2.833
78	MP GAMMA3	X	.048	1.167

Member Point Loads (BLC 14 : Wind Load (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.051	6.833

Member Point Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
2	MP ALPHA3	Y	-.051	5.167
3	MP ALPHA3	X	.029	6.833
4	MP ALPHA3	X	.029	5.167
5	MP BETA3	Y	-.051	6.833
6	MP BETA3	Y	-.051	5.167
7	MP BETA3	X	.029	6.833
8	MP BETA3	X	.029	5.167
9	MP GAMMA3	Y	-.026	6.833
10	MP GAMMA3	Y	-.026	5.167
11	MP GAMMA3	X	.015	6.833
12	MP GAMMA3	X	.015	5.167
13	MP BETA4	Y	-.174	6.083
14	MP BETA4	Y	-.174	1.917
15	MP BETA4	X	.101	6.083
16	MP BETA4	X	.101	1.917
17	MP GAMMA4	Y	-.09	6.083
18	MP GAMMA4	Y	-.09	1.917
19	MP GAMMA4	X	.052	6.083
20	MP GAMMA4	X	.052	1.917
21	MP ALPHA4	Y	-.246	7
22	MP ALPHA4	Y	-.246	1
23	MP ALPHA4	X	.142	7
24	MP ALPHA4	X	.142	1
25	MP ALPHA1	Y	-.263	7
26	MP ALPHA1	Y	-.263	1
27	MP ALPHA1	X	.152	7
28	MP ALPHA1	X	.152	1
29	MP BETA1	Y	-.189	6.083
30	MP BETA1	Y	-.189	1.917
31	MP BETA1	X	.109	6.083
32	MP BETA1	X	.109	1.917
33	MP GAMMA1	Y	-.108	6.083
34	MP GAMMA1	Y	-.108	1.917
35	MP GAMMA1	X	.063	6.083
36	MP GAMMA1	X	.063	1.917
37	MP ALPHA4	Y	-.079	4
38	MP ALPHA4	X	.046	4
39	MP BETA4	Y	-.079	4
40	MP BETA4	X	.046	4
41	MP GAMMA4	Y	-.053	4
42	MP GAMMA4	X	.031	4
43	MP ALPHA5	Y	-.045	4
44	MP ALPHA5	X	.026	4
45	MP BETA5	Y	-.045	4
46	MP BETA5	X	.026	4
47	MP GAMMA5	Y	-.022	4
48	MP GAMMA5	X	.012	4
49	MP ALPHA4	Y	-.058	4
50	MP ALPHA4	X	.034	4
51	MP BETA4	Y	-.058	4
52	MP BETA4	X	.034	4
53	MP GAMMA4	Y	-.045	4

Member Point Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
54	MP GAMMA4	X	.026	4
55	MP ALPHA2	Y	-.076	4
56	MP ALPHA2	X	.044	4
57	MP BETA2	Y	-.076	4
58	MP BETA2	X	.044	4
59	MP GAMMA2	Y	-.038	4
60	MP GAMMA2	X	.022	4
61	MP ALPHA5	Y	-.052	4
62	MP ALPHA5	X	.03	4
63	MP BETA5	Y	-.052	4
64	MP BETA5	X	.03	4
65	MP GAMMA5	Y	-.034	4
66	MP GAMMA5	X	.019	4
67	MP ALPHA3	Y	-.059	2.833
68	MP ALPHA3	Y	-.059	1.167
69	MP ALPHA3	X	.034	2.833
70	MP ALPHA3	X	.034	1.167
71	MP BETA3	Y	-.059	2.833
72	MP BETA3	Y	-.059	1.167
73	MP BETA3	X	.034	2.833
74	MP BETA3	X	.034	1.167
75	MP GAMMA3	Y	-.043	2.833
76	MP GAMMA3	Y	-.043	1.167
77	MP GAMMA3	X	.025	2.833
78	MP GAMMA3	X	.025	1.167

Member Point Loads (BLC 15 : Maintanence (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.004	6.833
2	MP ALPHA3	Y	-.004	5.167
3	MP BETA3	Y	-.003	6.833
4	MP BETA3	Y	-.003	5.167
5	MP GAMMA3	Y	-.003	6.833
6	MP GAMMA3	Y	-.003	5.167
7	MP BETA4	Y	-.009	6.083
8	MP BETA4	Y	-.009	1.917
9	MP GAMMA4	Y	-.009	6.083
10	MP GAMMA4	Y	-.009	1.917
11	MP ALPHA4	Y	-.021	7
12	MP ALPHA4	Y	-.021	1
13	MP ALPHA1	Y	-.022	7
14	MP ALPHA1	Y	-.022	1
15	MP BETA1	Y	-.01	6.083
16	MP BETA1	Y	-.01	1.917
17	MP GAMMA1	Y	-.01	6.083
18	MP GAMMA1	Y	-.01	1.917
19	MP ALPHA4	Y	-.007	4
20	MP BETA4	Y	-.005	4
21	MP GAMMA4	Y	-.005	4
22	MP ALPHA5	Y	-.004	4
23	MP BETA5	Y	-.002	4

Member Point Loads (BLC 15 : Maintanence (0)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP GAMMA5	Y	-.002	4
25	MP ALPHA4	Y	-.005	4
26	MP BETA4	Y	-.004	4
27	MP GAMMA4	Y	-.004	4
28	MP ALPHA2	Y	-.007	4
29	MP BETA2	Y	-.004	4
30	MP GAMMA2	Y	-.004	4
31	MP ALPHA5	Y	-.004	4
32	MP BETA5	Y	-.003	4
33	MP GAMMA5	Y	-.003	4
34	MP ALPHA3	Y	-.005	2.833
35	MP ALPHA3	Y	-.005	1.167
36	MP BETA3	Y	-.004	2.833
37	MP BETA3	Y	-.004	1.167
38	MP GAMMA3	Y	-.004	2.833
39	MP GAMMA3	Y	-.004	1.167

Member Point Loads (BLC 16 : Maintanence (30))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.003	6.833
2	MP ALPHA3	Y	-.003	5.167
3	MP ALPHA3	X	-.002	6.833
4	MP ALPHA3	X	-.002	5.167
5	MP BETA3	Y	-.002	6.833
6	MP BETA3	Y	-.002	5.167
7	MP BETA3	X	-.000989	6.833
8	MP BETA3	X	-.000989	5.167
9	MP GAMMA3	Y	-.003	6.833
10	MP GAMMA3	Y	-.003	5.167
11	MP GAMMA3	X	-.002	6.833
12	MP GAMMA3	X	-.002	5.167
13	MP BETA4	Y	-.006	6.083
14	MP BETA4	Y	-.006	1.917
15	MP BETA4	X	-.003	6.083
16	MP BETA4	X	-.003	1.917
17	MP GAMMA4	Y	-.011	6.083
18	MP GAMMA4	Y	-.011	1.917
19	MP GAMMA4	X	-.007	6.083
20	MP GAMMA4	X	-.007	1.917
21	MP ALPHA4	Y	-.016	7
22	MP ALPHA4	Y	-.016	1
23	MP ALPHA4	X	-.009	7
24	MP ALPHA4	X	-.009	1
25	MP ALPHA1	Y	-.017	7
26	MP ALPHA1	Y	-.017	1
27	MP ALPHA1	X	-.01	7
28	MP ALPHA1	X	-.01	1
29	MP BETA1	Y	-.007	6.083
30	MP BETA1	Y	-.007	1.917
31	MP BETA1	X	-.004	6.083
32	MP BETA1	X	-.004	1.917

Member Point Loads (BLC 16 : Maintanence (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP GAMMA1	Y	-.012	6.083
34	MP GAMMA1	Y	-.012	1.917
35	MP GAMMA1	X	-.007	6.083
36	MP GAMMA1	X	-.007	1.917
37	MP ALPHA4	Y	-.005	4
38	MP ALPHA4	X	-.003	4
39	MP BETA4	Y	-.003	4
40	MP BETA4	X	-.002	4
41	MP GAMMA4	Y	-.005	4
42	MP GAMMA4	X	-.003	4
43	MP ALPHA5	Y	-.003	4
44	MP ALPHA5	X	-.002	4
45	MP BETA5	Y	-.001	4
46	MP BETA5	X	-.000808	4
47	MP GAMMA5	Y	-.003	4
48	MP GAMMA5	X	-.002	4
49	MP ALPHA4	Y	-.004	4
50	MP ALPHA4	X	-.002	4
51	MP BETA4	Y	-.003	4
52	MP BETA4	X	-.002	4
53	MP GAMMA4	Y	-.004	4
54	MP GAMMA4	X	-.002	4
55	MP ALPHA2	Y	-.005	4
56	MP ALPHA2	X	-.003	4
57	MP BETA2	Y	-.002	4
58	MP BETA2	X	-.001	4
59	MP GAMMA2	Y	-.005	4
60	MP GAMMA2	X	-.003	4
61	MP ALPHA5	Y	-.003	4
62	MP ALPHA5	X	-.002	4
63	MP BETA5	Y	-.002	4
64	MP BETA5	X	-.001	4
65	MP GAMMA5	Y	-.003	4
66	MP GAMMA5	X	-.002	4
67	MP ALPHA3	Y	-.004	2.833
68	MP ALPHA3	Y	-.004	1.167
69	MP ALPHA3	X	-.002	2.833
70	MP ALPHA3	X	-.002	1.167
71	MP BETA3	Y	-.003	2.833
72	MP BETA3	Y	-.003	1.167
73	MP BETA3	X	-.002	2.833
74	MP BETA3	X	-.002	1.167
75	MP GAMMA3	Y	-.004	2.833
76	MP GAMMA3	Y	-.004	1.167
77	MP GAMMA3	X	-.002	2.833
78	MP GAMMA3	X	-.002	1.167

Member Point Loads (BLC 17 : Maintanence (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.001	6.833
2	MP ALPHA3	Y	-.001	5.167

Member Point Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
3	MP ALPHA3	X	-.002	6.833
4	MP ALPHA3	X	-.002	5.167
5	MP BETA3	Y	-.001	6.833
6	MP BETA3	Y	-.001	5.167
7	MP BETA3	X	-.002	6.833
8	MP BETA3	X	-.002	5.167
9	MP GAMMA3	Y	-.002	6.833
10	MP GAMMA3	Y	-.002	5.167
11	MP GAMMA3	X	-.004	6.833
12	MP GAMMA3	X	-.004	5.167
13	MP BETA4	Y	-.004	6.083
14	MP BETA4	Y	-.004	1.917
15	MP BETA4	X	-.008	6.083
16	MP BETA4	X	-.008	1.917
17	MP GAMMA4	Y	-.008	6.083
18	MP GAMMA4	Y	-.008	1.917
19	MP GAMMA4	X	-.013	6.083
20	MP GAMMA4	X	-.013	1.917
21	MP ALPHA4	Y	-.006	7
22	MP ALPHA4	Y	-.006	1
23	MP ALPHA4	X	-.011	7
24	MP ALPHA4	X	-.011	1
25	MP ALPHA1	Y	-.007	7
26	MP ALPHA1	Y	-.007	1
27	MP ALPHA1	X	-.012	7
28	MP ALPHA1	X	-.012	1
29	MP BETA1	Y	-.005	6.083
30	MP BETA1	Y	-.005	1.917
31	MP BETA1	X	-.009	6.083
32	MP BETA1	X	-.009	1.917
33	MP GAMMA1	Y	-.008	6.083
34	MP GAMMA1	Y	-.008	1.917
35	MP GAMMA1	X	-.014	6.083
36	MP GAMMA1	X	-.014	1.917
37	MP ALPHA4	Y	-.002	4
38	MP ALPHA4	X	-.004	4
39	MP BETA4	Y	-.002	4
40	MP BETA4	X	-.004	4
41	MP GAMMA4	Y	-.003	4
42	MP GAMMA4	X	-.006	4
43	MP ALPHA5	Y	-.001	4
44	MP ALPHA5	X	-.002	4
45	MP BETA5	Y	-.001	4
46	MP BETA5	X	-.002	4
47	MP GAMMA5	Y	-.002	4
48	MP GAMMA5	X	-.003	4
49	MP ALPHA4	Y	-.002	4
50	MP ALPHA4	X	-.003	4
51	MP BETA4	Y	-.002	4
52	MP BETA4	X	-.003	4
53	MP GAMMA4	Y	-.002	4
54	MP GAMMA4	X	-.004	4

Member Point Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
55	MP ALPHA2	Y	-.002	4
56	MP ALPHA2	X	-.003	4
57	MP BETA2	Y	-.002	4
58	MP BETA2	X	-.003	4
59	MP GAMMA2	Y	-.003	4
60	MP GAMMA2	X	-.006	4
61	MP ALPHA5	Y	-.001	4
62	MP ALPHA5	X	-.003	4
63	MP BETA5	Y	-.001	4
64	MP BETA5	X	-.003	4
65	MP GAMMA5	Y	-.002	4
66	MP GAMMA5	X	-.004	4
67	MP ALPHA3	Y	-.002	2.833
68	MP ALPHA3	Y	-.002	1.167
69	MP ALPHA3	X	-.003	2.833
70	MP ALPHA3	X	-.003	1.167
71	MP BETA3	Y	-.002	2.833
72	MP BETA3	Y	-.002	1.167
73	MP BETA3	X	-.003	2.833
74	MP BETA3	X	-.003	1.167
75	MP GAMMA3	Y	-.002	2.833
76	MP GAMMA3	Y	-.002	1.167
77	MP GAMMA3	X	-.004	2.833
78	MP GAMMA3	X	-.004	1.167

Member Point Loads (BLC 18 : Maintanence (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.002	6.833
2	MP ALPHA3	X	-.002	5.167
3	MP BETA3	X	-.004	6.833
4	MP BETA3	X	-.004	5.167
5	MP GAMMA3	X	-.004	6.833
6	MP GAMMA3	X	-.004	5.167
7	MP BETA4	X	-.013	6.083
8	MP BETA4	X	-.013	1.917
9	MP GAMMA4	X	-.013	6.083
10	MP GAMMA4	X	-.013	1.917
11	MP ALPHA4	X	-.01	7
12	MP ALPHA4	X	-.01	1
13	MP ALPHA1	X	-.011	7
14	MP ALPHA1	X	-.011	1
15	MP BETA1	X	-.014	6.083
16	MP BETA1	X	-.014	1.917
17	MP GAMMA1	X	-.014	6.083
18	MP GAMMA1	X	-.014	1.917
19	MP ALPHA4	X	-.004	4
20	MP BETA4	X	-.006	4
21	MP GAMMA4	X	-.006	4
22	MP ALPHA5	X	-.002	4
23	MP BETA5	X	-.003	4
24	MP GAMMA5	X	-.003	4

Member Point Loads (BLC 18 : Maintanence (90)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA4	X	-.003	4
26	MP BETA4	X	-.004	4
27	MP GAMMA4	X	-.004	4
28	MP ALPHA2	X	-.003	4
29	MP BETA2	X	-.006	4
30	MP GAMMA2	X	-.006	4
31	MP ALPHA5	X	-.003	4
32	MP BETA5	X	-.004	4
33	MP GAMMA5	X	-.004	4
34	MP ALPHA3	X	-.003	2.833
35	MP ALPHA3	X	-.003	1.167
36	MP BETA3	X	-.004	2.833
37	MP BETA3	X	-.004	1.167
38	MP GAMMA3	X	-.004	2.833
39	MP GAMMA3	X	-.004	1.167

Member Point Loads (BLC 19 : Maintanence (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.001	6.833
2	MP ALPHA3	Y	.001	5.167
3	MP ALPHA3	X	-.002	6.833
4	MP ALPHA3	X	-.002	5.167
5	MP BETA3	Y	.002	6.833
6	MP BETA3	Y	.002	5.167
7	MP BETA3	X	-.004	6.833
8	MP BETA3	X	-.004	5.167
9	MP GAMMA3	Y	.001	6.833
10	MP GAMMA3	Y	.001	5.167
11	MP GAMMA3	X	-.002	6.833
12	MP GAMMA3	X	-.002	5.167
13	MP BETA4	Y	.008	6.083
14	MP BETA4	Y	.008	1.917
15	MP BETA4	X	-.013	6.083
16	MP BETA4	X	-.013	1.917
17	MP GAMMA4	Y	.004	6.083
18	MP GAMMA4	Y	.004	1.917
19	MP GAMMA4	X	-.008	6.083
20	MP GAMMA4	X	-.008	1.917
21	MP ALPHA4	Y	.006	7
22	MP ALPHA4	Y	.006	1
23	MP ALPHA4	X	-.011	7
24	MP ALPHA4	X	-.011	1
25	MP ALPHA1	Y	.007	7
26	MP ALPHA1	Y	.007	1
27	MP ALPHA1	X	-.012	7
28	MP ALPHA1	X	-.012	1
29	MP BETA1	Y	.008	6.083
30	MP BETA1	Y	.008	1.917
31	MP BETA1	X	-.014	6.083
32	MP BETA1	X	-.014	1.917
33	MP GAMMA1	Y	.005	6.083

Member Point Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
34	MP GAMMA1	Y	.005	1.917
35	MP GAMMA1	X	-.009	6.083
36	MP GAMMA1	X	-.009	1.917
37	MP ALPHA4	Y	.002	4
38	MP ALPHA4	X	-.004	4
39	MP BETA4	Y	.003	4
40	MP BETA4	X	-.006	4
41	MP GAMMA4	Y	.002	4
42	MP GAMMA4	X	-.004	4
43	MP ALPHA5	Y	.001	4
44	MP ALPHA5	X	-.002	4
45	MP BETA5	Y	.002	4
46	MP BETA5	X	-.003	4
47	MP GAMMA5	Y	.001	4
48	MP GAMMA5	X	-.002	4
49	MP ALPHA4	Y	.002	4
50	MP ALPHA4	X	-.003	4
51	MP BETA4	Y	.002	4
52	MP BETA4	X	-.004	4
53	MP GAMMA4	Y	.002	4
54	MP GAMMA4	X	-.003	4
55	MP ALPHA2	Y	.002	4
56	MP ALPHA2	X	-.003	4
57	MP BETA2	Y	.003	4
58	MP BETA2	X	-.006	4
59	MP GAMMA2	Y	.002	4
60	MP GAMMA2	X	-.003	4
61	MP ALPHA5	Y	.001	4
62	MP ALPHA5	X	-.003	4
63	MP BETA5	Y	.002	4
64	MP BETA5	X	-.004	4
65	MP GAMMA5	Y	.001	4
66	MP GAMMA5	X	-.003	4
67	MP ALPHA3	Y	.002	2.833
68	MP ALPHA3	Y	.002	1.167
69	MP ALPHA3	X	-.003	2.833
70	MP ALPHA3	X	-.003	1.167
71	MP BETA3	Y	.002	2.833
72	MP BETA3	Y	.002	1.167
73	MP BETA3	X	-.004	2.833
74	MP BETA3	X	-.004	1.167
75	MP GAMMA3	Y	.002	2.833
76	MP GAMMA3	Y	.002	1.167
77	MP GAMMA3	X	-.003	2.833
78	MP GAMMA3	X	-.003	1.167

Member Point Loads (BLC 20 : Maintanence (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.003	6.833
2	MP ALPHA3	Y	.003	5.167
3	MP ALPHA3	X	-.002	6.833

Member Point Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP ALPHA3	X	-.002	5.167
5	MP BETA3	Y	.003	6.833
6	MP BETA3	Y	.003	5.167
7	MP BETA3	X	-.002	6.833
8	MP BETA3	X	-.002	5.167
9	MP GAMMA3	Y	.002	6.833
10	MP GAMMA3	Y	.002	5.167
11	MP GAMMA3	X	-.000989	6.833
12	MP GAMMA3	X	-.000989	5.167
13	MP BETA4	Y	.011	6.083
14	MP BETA4	Y	.011	1.917
15	MP BETA4	X	-.007	6.083
16	MP BETA4	X	-.007	1.917
17	MP GAMMA4	Y	.006	6.083
18	MP GAMMA4	Y	.006	1.917
19	MP GAMMA4	X	-.003	6.083
20	MP GAMMA4	X	-.003	1.917
21	MP ALPHA4	Y	.016	7
22	MP ALPHA4	Y	.016	1
23	MP ALPHA4	X	-.009	7
24	MP ALPHA4	X	-.009	1
25	MP ALPHA1	Y	.017	7
26	MP ALPHA1	Y	.017	1
27	MP ALPHA1	X	-.01	7
28	MP ALPHA1	X	-.01	1
29	MP BETA1	Y	.012	6.083
30	MP BETA1	Y	.012	1.917
31	MP BETA1	X	-.007	6.083
32	MP BETA1	X	-.007	1.917
33	MP GAMMA1	Y	.007	6.083
34	MP GAMMA1	Y	.007	1.917
35	MP GAMMA1	X	-.004	6.083
36	MP GAMMA1	X	-.004	1.917
37	MP ALPHA4	Y	.005	4
38	MP ALPHA4	X	-.003	4
39	MP BETA4	Y	.005	4
40	MP BETA4	X	-.003	4
41	MP GAMMA4	Y	.003	4
42	MP GAMMA4	X	-.002	4
43	MP ALPHA5	Y	.003	4
44	MP ALPHA5	X	-.002	4
45	MP BETA5	Y	.003	4
46	MP BETA5	X	-.002	4
47	MP GAMMA5	Y	.001	4
48	MP GAMMA5	X	-.000808	4
49	MP ALPHA4	Y	.004	4
50	MP ALPHA4	X	-.002	4
51	MP BETA4	Y	.004	4
52	MP BETA4	X	-.002	4
53	MP GAMMA4	Y	.003	4
54	MP GAMMA4	X	-.002	4
55	MP ALPHA2	Y	.005	4

Member Point Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
56	MP ALPHA2	X	-.003	4
57	MP BETA2	Y	.005	4
58	MP BETA2	X	-.003	4
59	MP GAMMA2	Y	.002	4
60	MP GAMMA2	X	-.001	4
61	MP ALPHA5	Y	.003	4
62	MP ALPHA5	X	-.002	4
63	MP BETA5	Y	.003	4
64	MP BETA5	X	-.002	4
65	MP GAMMA5	Y	.002	4
66	MP GAMMA5	X	-.001	4
67	MP ALPHA3	Y	.004	2.833
68	MP ALPHA3	Y	.004	1.167
69	MP ALPHA3	X	-.002	2.833
70	MP ALPHA3	X	-.002	1.167
71	MP BETA3	Y	.004	2.833
72	MP BETA3	Y	.004	1.167
73	MP BETA3	X	-.002	2.833
74	MP BETA3	X	-.002	1.167
75	MP GAMMA3	Y	.003	2.833
76	MP GAMMA3	Y	.003	1.167
77	MP GAMMA3	X	-.002	2.833
78	MP GAMMA3	X	-.002	1.167

Member Point Loads (BLC 21 : Maintanence (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.004	6.833
2	MP ALPHA3	Y	.004	5.167
3	MP BETA3	Y	.003	6.833
4	MP BETA3	Y	.003	5.167
5	MP GAMMA3	Y	.003	6.833
6	MP GAMMA3	Y	.003	5.167
7	MP BETA4	Y	.009	6.083
8	MP BETA4	Y	.009	1.917
9	MP GAMMA4	Y	.009	6.083
10	MP GAMMA4	Y	.009	1.917
11	MP ALPHA4	Y	.021	7
12	MP ALPHA4	Y	.021	1
13	MP ALPHA1	Y	.022	7
14	MP ALPHA1	Y	.022	1
15	MP BETA1	Y	.01	6.083
16	MP BETA1	Y	.01	1.917
17	MP GAMMA1	Y	.01	6.083
18	MP GAMMA1	Y	.01	1.917
19	MP ALPHA4	Y	.007	4
20	MP BETA4	Y	.005	4
21	MP GAMMA4	Y	.005	4
22	MP ALPHA5	Y	.004	4
23	MP BETA5	Y	.002	4
24	MP GAMMA5	Y	.002	4
25	MP ALPHA4	Y	.005	4

Member Point Loads (BLC 21 : Maintanence (180)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
26	MP BETA4	Y	.004	4
27	MP GAMMA4	Y	.004	4
28	MP ALPHA2	Y	.007	4
29	MP BETA2	Y	.004	4
30	MP GAMMA2	Y	.004	4
31	MP ALPHA5	Y	.004	4
32	MP BETA5	Y	.003	4
33	MP GAMMA5	Y	.003	4
34	MP ALPHA3	Y	.005	2.833
35	MP ALPHA3	Y	.005	1.167
36	MP BETA3	Y	.004	2.833
37	MP BETA3	Y	.004	1.167
38	MP GAMMA3	Y	.004	2.833
39	MP GAMMA3	Y	.004	1.167

Member Point Loads (BLC 22 : Maintanence (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.003	6.833
2	MP ALPHA3	Y	.003	5.167
3	MP ALPHA3	X	.002	6.833
4	MP ALPHA3	X	.002	5.167
5	MP BETA3	Y	.002	6.833
6	MP BETA3	Y	.002	5.167
7	MP BETA3	X	.000989	6.833
8	MP BETA3	X	.000989	5.167
9	MP GAMMA3	Y	.003	6.833
10	MP GAMMA3	Y	.003	5.167
11	MP GAMMA3	X	.002	6.833
12	MP GAMMA3	X	.002	5.167
13	MP BETA4	Y	.006	6.083
14	MP BETA4	Y	.006	1.917
15	MP BETA4	X	.003	6.083
16	MP BETA4	X	.003	1.917
17	MP GAMMA4	Y	.011	6.083
18	MP GAMMA4	Y	.011	1.917
19	MP GAMMA4	X	.007	6.083
20	MP GAMMA4	X	.007	1.917
21	MP ALPHA4	Y	.016	7
22	MP ALPHA4	Y	.016	1
23	MP ALPHA4	X	.009	7
24	MP ALPHA4	X	.009	1
25	MP ALPHA1	Y	.017	7
26	MP ALPHA1	Y	.017	1
27	MP ALPHA1	X	.01	7
28	MP ALPHA1	X	.01	1
29	MP BETA1	Y	.007	6.083
30	MP BETA1	Y	.007	1.917
31	MP BETA1	X	.004	6.083
32	MP BETA1	X	.004	1.917
33	MP GAMMA1	Y	.012	6.083
34	MP GAMMA1	Y	.012	1.917

Member Point Loads (BLC 22 : Maintanence (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
35	MP GAMMA1	X	.007	6.083
36	MP GAMMA1	X	.007	1.917
37	MP ALPHA4	Y	.005	4
38	MP ALPHA4	X	.003	4
39	MP BETA4	Y	.003	4
40	MP BETA4	X	.002	4
41	MP GAMMA4	Y	.005	4
42	MP GAMMA4	X	.003	4
43	MP ALPHA5	Y	.003	4
44	MP ALPHA5	X	.002	4
45	MP BETA5	Y	.001	4
46	MP BETA5	X	.000808	4
47	MP GAMMA5	Y	.003	4
48	MP GAMMA5	X	.002	4
49	MP ALPHA4	Y	.004	4
50	MP ALPHA4	X	.002	4
51	MP BETA4	Y	.003	4
52	MP BETA4	X	.002	4
53	MP GAMMA4	Y	.004	4
54	MP GAMMA4	X	.002	4
55	MP ALPHA2	Y	.005	4
56	MP ALPHA2	X	.003	4
57	MP BETA2	Y	.002	4
58	MP BETA2	X	.001	4
59	MP GAMMA2	Y	.005	4
60	MP GAMMA2	X	.003	4
61	MP ALPHA5	Y	.003	4
62	MP ALPHA5	X	.002	4
63	MP BETA5	Y	.002	4
64	MP BETA5	X	.001	4
65	MP GAMMA5	Y	.003	4
66	MP GAMMA5	X	.002	4
67	MP ALPHA3	Y	.004	2.833
68	MP ALPHA3	Y	.004	1.167
69	MP ALPHA3	X	.002	2.833
70	MP ALPHA3	X	.002	1.167
71	MP BETA3	Y	.003	2.833
72	MP BETA3	Y	.003	1.167
73	MP BETA3	X	.002	2.833
74	MP BETA3	X	.002	1.167
75	MP GAMMA3	Y	.004	2.833
76	MP GAMMA3	Y	.004	1.167
77	MP GAMMA3	X	.002	2.833
78	MP GAMMA3	X	.002	1.167

Member Point Loads (BLC 23 : Maintanence (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.001	6.833
2	MP ALPHA3	Y	.001	5.167
3	MP ALPHA3	X	.002	6.833
4	MP ALPHA3	X	.002	5.167

Member Point Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	MP BETA3	Y	.001	6.833
6	MP BETA3	Y	.001	5.167
7	MP BETA3	X	.002	6.833
8	MP BETA3	X	.002	5.167
9	MP GAMMA3	Y	.002	6.833
10	MP GAMMA3	Y	.002	5.167
11	MP GAMMA3	X	.004	6.833
12	MP GAMMA3	X	.004	5.167
13	MP BETA4	Y	.004	6.083
14	MP BETA4	Y	.004	1.917
15	MP BETA4	X	.008	6.083
16	MP BETA4	X	.008	1.917
17	MP GAMMA4	Y	.008	6.083
18	MP GAMMA4	Y	.008	1.917
19	MP GAMMA4	X	.013	6.083
20	MP GAMMA4	X	.013	1.917
21	MP ALPHA4	Y	.006	7
22	MP ALPHA4	Y	.006	1
23	MP ALPHA4	X	.011	7
24	MP ALPHA4	X	.011	1
25	MP ALPHA1	Y	.007	7
26	MP ALPHA1	Y	.007	1
27	MP ALPHA1	X	.012	7
28	MP ALPHA1	X	.012	1
29	MP BETA1	Y	.005	6.083
30	MP BETA1	Y	.005	1.917
31	MP BETA1	X	.009	6.083
32	MP BETA1	X	.009	1.917
33	MP GAMMA1	Y	.008	6.083
34	MP GAMMA1	Y	.008	1.917
35	MP GAMMA1	X	.014	6.083
36	MP GAMMA1	X	.014	1.917
37	MP ALPHA4	Y	.002	4
38	MP ALPHA4	X	.004	4
39	MP BETA4	Y	.002	4
40	MP BETA4	X	.004	4
41	MP GAMMA4	Y	.003	4
42	MP GAMMA4	X	.006	4
43	MP ALPHA5	Y	.001	4
44	MP ALPHA5	X	.002	4
45	MP BETA5	Y	.001	4
46	MP BETA5	X	.002	4
47	MP GAMMA5	Y	.002	4
48	MP GAMMA5	X	.003	4
49	MP ALPHA4	Y	.002	4
50	MP ALPHA4	X	.003	4
51	MP BETA4	Y	.002	4
52	MP BETA4	X	.003	4
53	MP GAMMA4	Y	.002	4
54	MP GAMMA4	X	.004	4
55	MP ALPHA2	Y	.002	4
56	MP ALPHA2	X	.003	4

Member Point Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
57	MP BETA2	Y	.002	4
58	MP BETA2	X	.003	4
59	MP GAMMA2	Y	.003	4
60	MP GAMMA2	X	.006	4
61	MP ALPHA5	Y	.001	4
62	MP ALPHA5	X	.003	4
63	MP BETA5	Y	.001	4
64	MP BETA5	X	.003	4
65	MP GAMMA5	Y	.002	4
66	MP GAMMA5	X	.004	4
67	MP ALPHA3	Y	.002	2.833
68	MP ALPHA3	Y	.002	1.167
69	MP ALPHA3	X	.003	2.833
70	MP ALPHA3	X	.003	1.167
71	MP BETA3	Y	.002	2.833
72	MP BETA3	Y	.002	1.167
73	MP BETA3	X	.003	2.833
74	MP BETA3	X	.003	1.167
75	MP GAMMA3	Y	.002	2.833
76	MP GAMMA3	Y	.002	1.167
77	MP GAMMA3	X	.004	2.833
78	MP GAMMA3	X	.004	1.167

Member Point Loads (BLC 24 : Maintanence (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	.002	6.833
2	MP ALPHA3	X	.002	5.167
3	MP BETA3	X	.004	6.833
4	MP BETA3	X	.004	5.167
5	MP GAMMA3	X	.004	6.833
6	MP GAMMA3	X	.004	5.167
7	MP BETA4	X	.013	6.083
8	MP BETA4	X	.013	1.917
9	MP GAMMA4	X	.013	6.083
10	MP GAMMA4	X	.013	1.917
11	MP ALPHA4	X	.01	7
12	MP ALPHA4	X	.01	1
13	MP ALPHA1	X	.011	7
14	MP ALPHA1	X	.011	1
15	MP BETA1	X	.014	6.083
16	MP BETA1	X	.014	1.917
17	MP GAMMA1	X	.014	6.083
18	MP GAMMA1	X	.014	1.917
19	MP ALPHA4	X	.004	4
20	MP BETA4	X	.006	4
21	MP GAMMA4	X	.006	4
22	MP ALPHA5	X	.002	4
23	MP BETA5	X	.003	4
24	MP GAMMA5	X	.003	4
25	MP ALPHA4	X	.003	4
26	MP BETA4	X	.004	4

Member Point Loads (BLC 24 : Maintanence (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP GAMMA4	X	.004	4
28	MP ALPHA2	X	.003	4
29	MP BETA2	X	.006	4
30	MP GAMMA2	X	.006	4
31	MP ALPHA5	X	.003	4
32	MP BETA5	X	.004	4
33	MP GAMMA5	X	.004	4
34	MP ALPHA3	X	.003	2.833
35	MP ALPHA3	X	.003	1.167
36	MP BETA3	X	.004	2.833
37	MP BETA3	X	.004	1.167
38	MP GAMMA3	X	.004	2.833
39	MP GAMMA3	X	.004	1.167

Member Point Loads (BLC 25 : Maintanence (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.001	6.833
2	MP ALPHA3	Y	-.001	5.167
3	MP ALPHA3	X	.002	6.833
4	MP ALPHA3	X	.002	5.167
5	MP BETA3	Y	-.002	6.833
6	MP BETA3	Y	-.002	5.167
7	MP BETA3	X	.004	6.833
8	MP BETA3	X	.004	5.167
9	MP GAMMA3	Y	-.001	6.833
10	MP GAMMA3	Y	-.001	5.167
11	MP GAMMA3	X	.002	6.833
12	MP GAMMA3	X	.002	5.167
13	MP BETA4	Y	-.008	6.083
14	MP BETA4	Y	-.008	1.917
15	MP BETA4	X	.013	6.083
16	MP BETA4	X	.013	1.917
17	MP GAMMA4	Y	-.004	6.083
18	MP GAMMA4	Y	-.004	1.917
19	MP GAMMA4	X	.008	6.083
20	MP GAMMA4	X	.008	1.917
21	MP ALPHA4	Y	-.006	7
22	MP ALPHA4	Y	-.006	1
23	MP ALPHA4	X	.011	7
24	MP ALPHA4	X	.011	1
25	MP ALPHA1	Y	-.007	7
26	MP ALPHA1	Y	-.007	1
27	MP ALPHA1	X	.012	7
28	MP ALPHA1	X	.012	1
29	MP BETA1	Y	-.008	6.083
30	MP BETA1	Y	-.008	1.917
31	MP BETA1	X	.014	6.083
32	MP BETA1	X	.014	1.917
33	MP GAMMA1	Y	-.005	6.083
34	MP GAMMA1	Y	-.005	1.917
35	MP GAMMA1	X	.009	6.083

Member Point Loads (BLC 25 : Maintanence (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
36	MP GAMMA1	X	.009	1.917
37	MP ALPHA4	Y	-.002	4
38	MP ALPHA4	X	.004	4
39	MP BETA4	Y	-.003	4
40	MP BETA4	X	.006	4
41	MP GAMMA4	Y	-.002	4
42	MP GAMMA4	X	.004	4
43	MP ALPHA5	Y	-.001	4
44	MP ALPHA5	X	.002	4
45	MP BETA5	Y	-.002	4
46	MP BETA5	X	.003	4
47	MP GAMMA5	Y	-.001	4
48	MP GAMMA5	X	.002	4
49	MP ALPHA4	Y	-.002	4
50	MP ALPHA4	X	.003	4
51	MP BETA4	Y	-.002	4
52	MP BETA4	X	.004	4
53	MP GAMMA4	Y	-.002	4
54	MP GAMMA4	X	.003	4
55	MP ALPHA2	Y	-.002	4
56	MP ALPHA2	X	.003	4
57	MP BETA2	Y	-.003	4
58	MP BETA2	X	.006	4
59	MP GAMMA2	Y	-.002	4
60	MP GAMMA2	X	.003	4
61	MP ALPHA5	Y	-.001	4
62	MP ALPHA5	X	.003	4
63	MP BETA5	Y	-.002	4
64	MP BETA5	X	.004	4
65	MP GAMMA5	Y	-.001	4
66	MP GAMMA5	X	.003	4
67	MP ALPHA3	Y	-.002	2.833
68	MP ALPHA3	Y	-.002	1.167
69	MP ALPHA3	X	.003	2.833
70	MP ALPHA3	X	.003	1.167
71	MP BETA3	Y	-.002	2.833
72	MP BETA3	Y	-.002	1.167
73	MP BETA3	X	.004	2.833
74	MP BETA3	X	.004	1.167
75	MP GAMMA3	Y	-.002	2.833
76	MP GAMMA3	Y	-.002	1.167
77	MP GAMMA3	X	.003	2.833
78	MP GAMMA3	X	.003	1.167

Member Point Loads (BLC 26 : Maintanence (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.003	6.833
2	MP ALPHA3	Y	-.003	5.167
3	MP ALPHA3	X	.002	6.833
4	MP ALPHA3	X	.002	5.167
5	MP BETA3	Y	-.003	6.833

Member Point Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP BETA3	Y	-.003	5.167
7	MP BETA3	X	.002	6.833
8	MP BETA3	X	.002	5.167
9	MP GAMMA3	Y	-.002	6.833
10	MP GAMMA3	Y	-.002	5.167
11	MP GAMMA3	X	.000989	6.833
12	MP GAMMA3	X	.000989	5.167
13	MP BETA4	Y	-.011	6.083
14	MP BETA4	Y	-.011	1.917
15	MP BETA4	X	.007	6.083
16	MP BETA4	X	.007	1.917
17	MP GAMMA4	Y	-.006	6.083
18	MP GAMMA4	Y	-.006	1.917
19	MP GAMMA4	X	.003	6.083
20	MP GAMMA4	X	.003	1.917
21	MP ALPHA4	Y	-.016	7
22	MP ALPHA4	Y	-.016	1
23	MP ALPHA4	X	.009	7
24	MP ALPHA4	X	.009	1
25	MP ALPHA1	Y	-.017	7
26	MP ALPHA1	Y	-.017	1
27	MP ALPHA1	X	.01	7
28	MP ALPHA1	X	.01	1
29	MP BETA1	Y	-.012	6.083
30	MP BETA1	Y	-.012	1.917
31	MP BETA1	X	.007	6.083
32	MP BETA1	X	.007	1.917
33	MP GAMMA1	Y	-.007	6.083
34	MP GAMMA1	Y	-.007	1.917
35	MP GAMMA1	X	.004	6.083
36	MP GAMMA1	X	.004	1.917
37	MP ALPHA4	Y	-.005	4
38	MP ALPHA4	X	.003	4
39	MP BETA4	Y	-.005	4
40	MP BETA4	X	.003	4
41	MP GAMMA4	Y	-.003	4
42	MP GAMMA4	X	.002	4
43	MP ALPHA5	Y	-.003	4
44	MP ALPHA5	X	.002	4
45	MP BETA5	Y	-.003	4
46	MP BETA5	X	.002	4
47	MP GAMMA5	Y	-.001	4
48	MP GAMMA5	X	.000808	4
49	MP ALPHA4	Y	-.004	4
50	MP ALPHA4	X	.002	4
51	MP BETA4	Y	-.004	4
52	MP BETA4	X	.002	4
53	MP GAMMA4	Y	-.003	4
54	MP GAMMA4	X	.002	4
55	MP ALPHA2	Y	-.005	4
56	MP ALPHA2	X	.003	4
57	MP BETA2	Y	-.005	4

Member Point Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	X	.003	4
59	MP GAMMA2	Y	-.002	4
60	MP GAMMA2	X	.001	4
61	MP ALPHA5	Y	-.003	4
62	MP ALPHA5	X	.002	4
63	MP BETA5	Y	-.003	4
64	MP BETA5	X	.002	4
65	MP GAMMA5	Y	-.002	4
66	MP GAMMA5	X	.001	4
67	MP ALPHA3	Y	-.004	2.833
68	MP ALPHA3	Y	-.004	1.167
69	MP ALPHA3	X	.002	2.833
70	MP ALPHA3	X	.002	1.167
71	MP BETA3	Y	-.004	2.833
72	MP BETA3	Y	-.004	1.167
73	MP BETA3	X	.002	2.833
74	MP BETA3	X	.002	1.167
75	MP GAMMA3	Y	-.003	2.833
76	MP GAMMA3	Y	-.003	1.167
77	MP GAMMA3	X	.002	2.833
78	MP GAMMA3	X	.002	1.167

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.054	6.833
2	MP ALPHA3	Z	-.054	5.167
3	MP BETA3	Z	-.054	6.833
4	MP BETA3	Z	-.054	5.167
5	MP GAMMA3	Z	-.054	6.833
6	MP GAMMA3	Z	-.054	5.167
7	MP BETA4	Z	-.149	6.083
8	MP BETA4	Z	-.149	1.917
9	MP GAMMA4	Z	-.149	6.083
10	MP GAMMA4	Z	-.149	1.917
11	MP ALPHA4	Z	-.196	7
12	MP ALPHA4	Z	-.196	1
13	MP ALPHA1	Z	-.217	7
14	MP ALPHA1	Z	-.217	1
15	MP BETA1	Z	-.168	6.083
16	MP BETA1	Z	-.168	1.917
17	MP GAMMA1	Z	-.168	6.083
18	MP GAMMA1	Z	-.168	1.917
19	MP ALPHA4	Z	-.092	4
20	MP BETA4	Z	-.092	4
21	MP GAMMA4	Z	-.092	4
22	MP ALPHA5	Z	-.056	4
23	MP BETA5	Z	-.056	4
24	MP GAMMA5	Z	-.056	4
25	MP ALPHA4	Z	-.08	4
26	MP BETA4	Z	-.08	4
27	MP GAMMA4	Z	-.08	4

Member Point Loads (BLC 27 : Ice Dead Load) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP ALPHA2	Z	-.09	4
29	MP BETA2	Z	-.09	4
30	MP GAMMA2	Z	-.09	4
31	MP ALPHA5	Z	-.07	4
32	MP BETA5	Z	-.07	4
33	MP GAMMA5	Z	-.07	4
34	MP ALPHA3	Z	-.07	2.833
35	MP ALPHA3	Z	-.07	1.167
36	MP BETA3	Z	-.07	2.833
37	MP BETA3	Z	-.07	1.167
38	MP GAMMA3	Z	-.07	2.833
39	MP GAMMA3	Z	-.07	1.167

Member Point Loads (BLC 28 : Ice Wind Load (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.017	6.833
2	MP ALPHA3	Y	-.017	5.167
3	MP BETA3	Y	-.011	6.833
4	MP BETA3	Y	-.011	5.167
5	MP GAMMA3	Y	-.011	6.833
6	MP GAMMA3	Y	-.011	5.167
7	MP BETA4	Y	-.033	6.083
8	MP BETA4	Y	-.033	1.917
9	MP GAMMA4	Y	-.033	6.083
10	MP GAMMA4	Y	-.033	1.917
11	MP ALPHA4	Y	-.071	7
12	MP ALPHA4	Y	-.071	1
13	MP ALPHA1	Y	-.074	7
14	MP ALPHA1	Y	-.074	1
15	MP BETA1	Y	-.037	6.083
16	MP BETA1	Y	-.037	1.917
17	MP GAMMA1	Y	-.037	6.083
18	MP GAMMA1	Y	-.037	1.917
19	MP ALPHA4	Y	-.027	4
20	MP BETA4	Y	-.02	4
21	MP GAMMA4	Y	-.02	4
22	MP ALPHA5	Y	-.017	4
23	MP BETA5	Y	-.011	4
24	MP GAMMA5	Y	-.011	4
25	MP ALPHA4	Y	-.02	4
26	MP BETA4	Y	-.017	4
27	MP GAMMA4	Y	-.017	4
28	MP ALPHA2	Y	-.026	4
29	MP BETA2	Y	-.017	4
30	MP GAMMA2	Y	-.017	4
31	MP ALPHA5	Y	-.019	4
32	MP BETA5	Y	-.014	4
33	MP GAMMA5	Y	-.014	4
34	MP ALPHA3	Y	-.018	2.833
35	MP ALPHA3	Y	-.018	1.167
36	MP BETA3	Y	-.014	2.833

Member Point Loads (BLC 28 : Ice Wind Load (0)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP BETA3	Y	-.014	1.167
38	MP GAMMA3	Y	-.014	2.833
39	MP GAMMA3	Y	-.014	1.167

Member Point Loads (BLC 29 : Ice Wind Load (30))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.013	6.833
2	MP ALPHA3	Y	-.013	5.167
3	MP ALPHA3	X	-.007	6.833
4	MP ALPHA3	X	-.007	5.167
5	MP BETA3	Y	-.008	6.833
6	MP BETA3	Y	-.008	5.167
7	MP BETA3	X	-.005	6.833
8	MP BETA3	X	-.005	5.167
9	MP GAMMA3	Y	-.013	6.833
10	MP GAMMA3	Y	-.013	5.167
11	MP GAMMA3	X	-.007	6.833
12	MP GAMMA3	X	-.007	5.167
13	MP BETA4	Y	-.023	6.083
14	MP BETA4	Y	-.023	1.917
15	MP BETA4	X	-.013	6.083
16	MP BETA4	X	-.013	1.917
17	MP GAMMA4	Y	-.039	6.083
18	MP GAMMA4	Y	-.039	1.917
19	MP GAMMA4	X	-.023	6.083
20	MP GAMMA4	X	-.023	1.917
21	MP ALPHA4	Y	-.054	7
22	MP ALPHA4	Y	-.054	1
23	MP ALPHA4	X	-.031	7
24	MP ALPHA4	X	-.031	1
25	MP ALPHA1	Y	-.057	7
26	MP ALPHA1	Y	-.057	1
27	MP ALPHA1	X	-.033	7
28	MP ALPHA1	X	-.033	1
29	MP BETA1	Y	-.027	6.083
30	MP BETA1	Y	-.027	1.917
31	MP BETA1	X	-.015	6.083
32	MP BETA1	X	-.015	1.917
33	MP GAMMA1	Y	-.042	6.083
34	MP GAMMA1	Y	-.042	1.917
35	MP GAMMA1	X	-.024	6.083
36	MP GAMMA1	X	-.024	1.917
37	MP ALPHA4	Y	-.021	4
38	MP ALPHA4	X	-.012	4
39	MP BETA4	Y	-.016	4
40	MP BETA4	X	-.009	4
41	MP GAMMA4	Y	-.021	4
42	MP GAMMA4	X	-.012	4
43	MP ALPHA5	Y	-.013	4
44	MP ALPHA5	X	-.008	4
45	MP BETA5	Y	-.008	4

Member Point Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
46	MP BETA5	X	-.005	4
47	MP GAMMA5	Y	-.013	4
48	MP GAMMA5	X	-.008	4
49	MP ALPHA4	Y	-.016	4
50	MP ALPHA4	X	-.009	4
51	MP BETA4	Y	-.013	4
52	MP BETA4	X	-.008	4
53	MP GAMMA4	Y	-.016	4
54	MP GAMMA4	X	-.009	4
55	MP ALPHA2	Y	-.02	4
56	MP ALPHA2	X	-.012	4
57	MP BETA2	Y	-.012	4
58	MP BETA2	X	-.007	4
59	MP GAMMA2	Y	-.02	4
60	MP GAMMA2	X	-.012	4
61	MP ALPHA5	Y	-.015	4
62	MP ALPHA5	X	-.009	4
63	MP BETA5	Y	-.011	4
64	MP BETA5	X	-.006	4
65	MP GAMMA5	Y	-.015	4
66	MP GAMMA5	X	-.009	4
67	MP ALPHA3	Y	-.015	2.833
68	MP ALPHA3	Y	-.015	1.167
69	MP ALPHA3	X	-.008	2.833
70	MP ALPHA3	X	-.008	1.167
71	MP BETA3	Y	-.011	2.833
72	MP BETA3	Y	-.011	1.167
73	MP BETA3	X	-.007	2.833
74	MP BETA3	X	-.007	1.167
75	MP GAMMA3	Y	-.015	2.833
76	MP GAMMA3	Y	-.015	1.167
77	MP GAMMA3	X	-.008	2.833
78	MP GAMMA3	X	-.008	1.167

Member Point Loads (BLC 30 : Ice Wind Load (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.006	6.833
2	MP ALPHA3	Y	-.006	5.167
3	MP ALPHA3	X	-.01	6.833
4	MP ALPHA3	X	-.01	5.167
5	MP BETA3	Y	-.006	6.833
6	MP BETA3	Y	-.006	5.167
7	MP BETA3	X	-.01	6.833
8	MP BETA3	X	-.01	5.167
9	MP GAMMA3	Y	-.008	6.833
10	MP GAMMA3	Y	-.008	5.167
11	MP GAMMA3	X	-.015	6.833
12	MP GAMMA3	X	-.015	5.167
13	MP BETA4	Y	-.016	6.083
14	MP BETA4	Y	-.016	1.917
15	MP BETA4	X	-.029	6.083

Member Point Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP BETA4	X	-.029	1.917
17	MP GAMMA4	Y	-.026	6.083
18	MP GAMMA4	Y	-.026	1.917
19	MP GAMMA4	X	-.044	6.083
20	MP GAMMA4	X	-.044	1.917
21	MP ALPHA4	Y	-.023	7
22	MP ALPHA4	Y	-.023	1
23	MP ALPHA4	X	-.04	7
24	MP ALPHA4	X	-.04	1
25	MP ALPHA1	Y	-.025	7
26	MP ALPHA1	Y	-.025	1
27	MP ALPHA1	X	-.044	7
28	MP ALPHA1	X	-.044	1
29	MP BETA1	Y	-.018	6.083
30	MP BETA1	Y	-.018	1.917
31	MP BETA1	X	-.032	6.083
32	MP BETA1	X	-.032	1.917
33	MP GAMMA1	Y	-.027	6.083
34	MP GAMMA1	Y	-.027	1.917
35	MP GAMMA1	X	-.047	6.083
36	MP GAMMA1	X	-.047	1.917
37	MP ALPHA4	Y	-.01	4
38	MP ALPHA4	X	-.018	4
39	MP BETA4	Y	-.01	4
40	MP BETA4	X	-.018	4
41	MP GAMMA4	Y	-.013	4
42	MP GAMMA4	X	-.023	4
43	MP ALPHA5	Y	-.006	4
44	MP ALPHA5	X	-.01	4
45	MP BETA5	Y	-.006	4
46	MP BETA5	X	-.01	4
47	MP GAMMA5	Y	-.009	4
48	MP GAMMA5	X	-.015	4
49	MP ALPHA4	Y	-.008	4
50	MP ALPHA4	X	-.014	4
51	MP BETA4	Y	-.008	4
52	MP BETA4	X	-.014	4
53	MP GAMMA4	Y	-.01	4
54	MP GAMMA4	X	-.017	4
55	MP ALPHA2	Y	-.009	4
56	MP ALPHA2	X	-.015	4
57	MP BETA2	Y	-.009	4
58	MP BETA2	X	-.015	4
59	MP GAMMA2	Y	-.013	4
60	MP GAMMA2	X	-.023	4
61	MP ALPHA5	Y	-.007	4
62	MP ALPHA5	X	-.012	4
63	MP BETA5	Y	-.007	4
64	MP BETA5	X	-.012	4
65	MP GAMMA5	Y	-.009	4
66	MP GAMMA5	X	-.016	4
67	MP ALPHA3	Y	-.007	2.833

Member Point Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
68	MP ALPHA3	Y	-.007	1.167
69	MP ALPHA3	X	-.013	2.833
70	MP ALPHA3	X	-.013	1.167
71	MP BETA3	Y	-.007	2.833
72	MP BETA3	Y	-.007	1.167
73	MP BETA3	X	-.013	2.833
74	MP BETA3	X	-.013	1.167
75	MP GAMMA3	Y	-.009	2.833
76	MP GAMMA3	Y	-.009	1.167
77	MP GAMMA3	X	-.016	2.833
78	MP GAMMA3	X	-.016	1.167

Member Point Loads (BLC 31 : Ice Wind Load (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.009	6.833
2	MP ALPHA3	X	-.009	5.167
3	MP BETA3	X	-.015	6.833
4	MP BETA3	X	-.015	5.167
5	MP GAMMA3	X	-.015	6.833
6	MP GAMMA3	X	-.015	5.167
7	MP BETA4	X	-.045	6.083
8	MP BETA4	X	-.045	1.917
9	MP GAMMA4	X	-.045	6.083
10	MP GAMMA4	X	-.045	1.917
11	MP ALPHA4	X	-.038	7
12	MP ALPHA4	X	-.038	1
13	MP ALPHA1	X	-.043	7
14	MP ALPHA1	X	-.043	1
15	MP BETA1	X	-.048	6.083
16	MP BETA1	X	-.048	1.917
17	MP GAMMA1	X	-.048	6.083
18	MP GAMMA1	X	-.048	1.917
19	MP ALPHA4	X	-.018	4
20	MP BETA4	X	-.025	4
21	MP GAMMA4	X	-.025	4
22	MP ALPHA5	X	-.009	4
23	MP BETA5	X	-.015	4
24	MP GAMMA5	X	-.015	4
25	MP ALPHA4	X	-.015	4
26	MP BETA4	X	-.019	4
27	MP GAMMA4	X	-.019	4
28	MP ALPHA2	X	-.014	4
29	MP BETA2	X	-.023	4
30	MP GAMMA2	X	-.023	4
31	MP ALPHA5	X	-.013	4
32	MP BETA5	X	-.017	4
33	MP GAMMA5	X	-.017	4
34	MP ALPHA3	X	-.013	2.833
35	MP ALPHA3	X	-.013	1.167
36	MP BETA3	X	-.017	2.833
37	MP BETA3	X	-.017	1.167

Member Point Loads (BLC 31 : Ice Wind Load (90)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP GAMMA3	X	-.017	2.833
39	MP GAMMA3	X	-.017	1.167

Member Point Loads (BLC 32 : Ice Wind Load (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.006	6.833
2	MP ALPHA3	Y	.006	5.167
3	MP ALPHA3	X	-.01	6.833
4	MP ALPHA3	X	-.01	5.167
5	MP BETA3	Y	.008	6.833
6	MP BETA3	Y	.008	5.167
7	MP BETA3	X	-.015	6.833
8	MP BETA3	X	-.015	5.167
9	MP GAMMA3	Y	.006	6.833
10	MP GAMMA3	Y	.006	5.167
11	MP GAMMA3	X	-.01	6.833
12	MP GAMMA3	X	-.01	5.167
13	MP BETA4	Y	.026	6.083
14	MP BETA4	Y	.026	1.917
15	MP BETA4	X	-.044	6.083
16	MP BETA4	X	-.044	1.917
17	MP GAMMA4	Y	.016	6.083
18	MP GAMMA4	Y	.016	1.917
19	MP GAMMA4	X	-.029	6.083
20	MP GAMMA4	X	-.029	1.917
21	MP ALPHA4	Y	.023	7
22	MP ALPHA4	Y	.023	1
23	MP ALPHA4	X	-.04	7
24	MP ALPHA4	X	-.04	1
25	MP ALPHA1	Y	.025	7
26	MP ALPHA1	Y	.025	1
27	MP ALPHA1	X	-.044	7
28	MP ALPHA1	X	-.044	1
29	MP BETA1	Y	.027	6.083
30	MP BETA1	Y	.027	1.917
31	MP BETA1	X	-.047	6.083
32	MP BETA1	X	-.047	1.917
33	MP GAMMA1	Y	.018	6.083
34	MP GAMMA1	Y	.018	1.917
35	MP GAMMA1	X	-.032	6.083
36	MP GAMMA1	X	-.032	1.917
37	MP ALPHA4	Y	.01	4
38	MP ALPHA4	X	-.018	4
39	MP BETA4	Y	.013	4
40	MP BETA4	X	-.023	4
41	MP GAMMA4	Y	.01	4
42	MP GAMMA4	X	-.018	4
43	MP ALPHA5	Y	.006	4
44	MP ALPHA5	X	-.01	4
45	MP BETA5	Y	.009	4
46	MP BETA5	X	-.015	4

Member Point Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA5	Y	.006	4
48	MP GAMMA5	X	-.01	4
49	MP ALPHA4	Y	.008	4
50	MP ALPHA4	X	-.014	4
51	MP BETA4	Y	.01	4
52	MP BETA4	X	-.017	4
53	MP GAMMA4	Y	.008	4
54	MP GAMMA4	X	-.014	4
55	MP ALPHA2	Y	.009	4
56	MP ALPHA2	X	-.015	4
57	MP BETA2	Y	.013	4
58	MP BETA2	X	-.023	4
59	MP GAMMA2	Y	.009	4
60	MP GAMMA2	X	-.015	4
61	MP ALPHA5	Y	.007	4
62	MP ALPHA5	X	-.012	4
63	MP BETA5	Y	.009	4
64	MP BETA5	X	-.016	4
65	MP GAMMA5	Y	.007	4
66	MP GAMMA5	X	-.012	4
67	MP ALPHA3	Y	.007	2.833
68	MP ALPHA3	Y	.007	1.167
69	MP ALPHA3	X	-.013	2.833
70	MP ALPHA3	X	-.013	1.167
71	MP BETA3	Y	.009	2.833
72	MP BETA3	Y	.009	1.167
73	MP BETA3	X	-.016	2.833
74	MP BETA3	X	-.016	1.167
75	MP GAMMA3	Y	.007	2.833
76	MP GAMMA3	Y	.007	1.167
77	MP GAMMA3	X	-.013	2.833
78	MP GAMMA3	X	-.013	1.167

Member Point Loads (BLC 33 : Ice Wind Load (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.013	6.833
2	MP ALPHA3	Y	.013	5.167
3	MP ALPHA3	X	-.007	6.833
4	MP ALPHA3	X	-.007	5.167
5	MP BETA3	Y	.013	6.833
6	MP BETA3	Y	.013	5.167
7	MP BETA3	X	-.007	6.833
8	MP BETA3	X	-.007	5.167
9	MP GAMMA3	Y	.008	6.833
10	MP GAMMA3	Y	.008	5.167
11	MP GAMMA3	X	-.005	6.833
12	MP GAMMA3	X	-.005	5.167
13	MP BETA4	Y	.039	6.083
14	MP BETA4	Y	.039	1.917
15	MP BETA4	X	-.023	6.083
16	MP BETA4	X	-.023	1.917

Member Point Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP GAMMA4	Y	.023	6.083
18	MP GAMMA4	Y	.023	1.917
19	MP GAMMA4	X	-.013	6.083
20	MP GAMMA4	X	-.013	1.917
21	MP ALPHA4	Y	.054	7
22	MP ALPHA4	Y	.054	1
23	MP ALPHA4	X	-.031	7
24	MP ALPHA4	X	-.031	1
25	MP ALPHA1	Y	.057	7
26	MP ALPHA1	Y	.057	1
27	MP ALPHA1	X	-.033	7
28	MP ALPHA1	X	-.033	1
29	MP BETA1	Y	.042	6.083
30	MP BETA1	Y	.042	1.917
31	MP BETA1	X	-.024	6.083
32	MP BETA1	X	-.024	1.917
33	MP GAMMA1	Y	.027	6.083
34	MP GAMMA1	Y	.027	1.917
35	MP GAMMA1	X	-.015	6.083
36	MP GAMMA1	X	-.015	1.917
37	MP ALPHA4	Y	.021	4
38	MP ALPHA4	X	-.012	4
39	MP BETA4	Y	.021	4
40	MP BETA4	X	-.012	4
41	MP GAMMA4	Y	.016	4
42	MP GAMMA4	X	-.009	4
43	MP ALPHA5	Y	.013	4
44	MP ALPHA5	X	-.008	4
45	MP BETA5	Y	.013	4
46	MP BETA5	X	-.008	4
47	MP GAMMA5	Y	.008	4
48	MP GAMMA5	X	-.005	4
49	MP ALPHA4	Y	.016	4
50	MP ALPHA4	X	-.009	4
51	MP BETA4	Y	.016	4
52	MP BETA4	X	-.009	4
53	MP GAMMA4	Y	.013	4
54	MP GAMMA4	X	-.008	4
55	MP ALPHA2	Y	.02	4
56	MP ALPHA2	X	-.012	4
57	MP BETA2	Y	.02	4
58	MP BETA2	X	-.012	4
59	MP GAMMA2	Y	.012	4
60	MP GAMMA2	X	-.007	4
61	MP ALPHA5	Y	.015	4
62	MP ALPHA5	X	-.009	4
63	MP BETA5	Y	.015	4
64	MP BETA5	X	-.009	4
65	MP GAMMA5	Y	.011	4
66	MP GAMMA5	X	-.006	4
67	MP ALPHA3	Y	.015	2.833
68	MP ALPHA3	Y	.015	1.167

Member Point Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
69	MP ALPHA3	X	-.008	2.833
70	MP ALPHA3	X	-.008	1.167
71	MP BETA3	Y	.015	2.833
72	MP BETA3	Y	.015	1.167
73	MP BETA3	X	-.008	2.833
74	MP BETA3	X	-.008	1.167
75	MP GAMMA3	Y	.011	2.833
76	MP GAMMA3	Y	.011	1.167
77	MP GAMMA3	X	-.007	2.833
78	MP GAMMA3	X	-.007	1.167

Member Point Loads (BLC 34 : Ice Wind Load (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.017	6.833
2	MP ALPHA3	Y	.017	5.167
3	MP BETA3	Y	.011	6.833
4	MP BETA3	Y	.011	5.167
5	MP GAMMA3	Y	.011	6.833
6	MP GAMMA3	Y	.011	5.167
7	MP BETA4	Y	.033	6.083
8	MP BETA4	Y	.033	1.917
9	MP GAMMA4	Y	.033	6.083
10	MP GAMMA4	Y	.033	1.917
11	MP ALPHA4	Y	.071	7
12	MP ALPHA4	Y	.071	1
13	MP ALPHA1	Y	.074	7
14	MP ALPHA1	Y	.074	1
15	MP BETA1	Y	.037	6.083
16	MP BETA1	Y	.037	1.917
17	MP GAMMA1	Y	.037	6.083
18	MP GAMMA1	Y	.037	1.917
19	MP ALPHA4	Y	.027	4
20	MP BETA4	Y	.02	4
21	MP GAMMA4	Y	.02	4
22	MP ALPHA5	Y	.017	4
23	MP BETA5	Y	.011	4
24	MP GAMMA5	Y	.011	4
25	MP ALPHA4	Y	.02	4
26	MP BETA4	Y	.017	4
27	MP GAMMA4	Y	.017	4
28	MP ALPHA2	Y	.026	4
29	MP BETA2	Y	.017	4
30	MP GAMMA2	Y	.017	4
31	MP ALPHA5	Y	.019	4
32	MP BETA5	Y	.014	4
33	MP GAMMA5	Y	.014	4
34	MP ALPHA3	Y	.018	2.833
35	MP ALPHA3	Y	.018	1.167
36	MP BETA3	Y	.014	2.833
37	MP BETA3	Y	.014	1.167
38	MP GAMMA3	Y	.014	2.833

Member Point Loads (BLC 34 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP GAMMA3	Y	.014	1.167

Member Point Loads (BLC 35 : Ice Wind Load (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.013	6.833
2	MP ALPHA3	Y	.013	5.167
3	MP ALPHA3	X	.007	6.833
4	MP ALPHA3	X	.007	5.167
5	MP BETA3	Y	.008	6.833
6	MP BETA3	Y	.008	5.167
7	MP BETA3	X	.005	6.833
8	MP BETA3	X	.005	5.167
9	MP GAMMA3	Y	.013	6.833
10	MP GAMMA3	Y	.013	5.167
11	MP GAMMA3	X	.007	6.833
12	MP GAMMA3	X	.007	5.167
13	MP BETA4	Y	.023	6.083
14	MP BETA4	Y	.023	1.917
15	MP BETA4	X	.013	6.083
16	MP BETA4	X	.013	1.917
17	MP GAMMA4	Y	.039	6.083
18	MP GAMMA4	Y	.039	1.917
19	MP GAMMA4	X	.023	6.083
20	MP GAMMA4	X	.023	1.917
21	MP ALPHA4	Y	.054	7
22	MP ALPHA4	Y	.054	1
23	MP ALPHA4	X	.031	7
24	MP ALPHA4	X	.031	1
25	MP ALPHA1	Y	.057	7
26	MP ALPHA1	Y	.057	1
27	MP ALPHA1	X	.033	7
28	MP ALPHA1	X	.033	1
29	MP BETA1	Y	.027	6.083
30	MP BETA1	Y	.027	1.917
31	MP BETA1	X	.015	6.083
32	MP BETA1	X	.015	1.917
33	MP GAMMA1	Y	.042	6.083
34	MP GAMMA1	Y	.042	1.917
35	MP GAMMA1	X	.024	6.083
36	MP GAMMA1	X	.024	1.917
37	MP ALPHA4	Y	.021	4
38	MP ALPHA4	X	.012	4
39	MP BETA4	Y	.016	4
40	MP BETA4	X	.009	4
41	MP GAMMA4	Y	.021	4
42	MP GAMMA4	X	.012	4
43	MP ALPHA5	Y	.013	4
44	MP ALPHA5	X	.008	4
45	MP BETA5	Y	.008	4
46	MP BETA5	X	.005	4
47	MP GAMMA5	Y	.013	4

Member Point Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
48	MP GAMMA5	X	.008	4
49	MP ALPHA4	Y	.016	4
50	MP ALPHA4	X	.009	4
51	MP BETA4	Y	.013	4
52	MP BETA4	X	.008	4
53	MP GAMMA4	Y	.016	4
54	MP GAMMA4	X	.009	4
55	MP ALPHA2	Y	.02	4
56	MP ALPHA2	X	.012	4
57	MP BETA2	Y	.012	4
58	MP BETA2	X	.007	4
59	MP GAMMA2	Y	.02	4
60	MP GAMMA2	X	.012	4
61	MP ALPHA5	Y	.015	4
62	MP ALPHA5	X	.009	4
63	MP BETA5	Y	.011	4
64	MP BETA5	X	.006	4
65	MP GAMMA5	Y	.015	4
66	MP GAMMA5	X	.009	4
67	MP ALPHA3	Y	.015	2.833
68	MP ALPHA3	Y	.015	1.167
69	MP ALPHA3	X	.008	2.833
70	MP ALPHA3	X	.008	1.167
71	MP BETA3	Y	.011	2.833
72	MP BETA3	Y	.011	1.167
73	MP BETA3	X	.007	2.833
74	MP BETA3	X	.007	1.167
75	MP GAMMA3	Y	.015	2.833
76	MP GAMMA3	Y	.015	1.167
77	MP GAMMA3	X	.008	2.833
78	MP GAMMA3	X	.008	1.167

Member Point Loads (BLC 36 : Ice Wind Load (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.006	6.833
2	MP ALPHA3	Y	.006	5.167
3	MP ALPHA3	X	.01	6.833
4	MP ALPHA3	X	.01	5.167
5	MP BETA3	Y	.006	6.833
6	MP BETA3	Y	.006	5.167
7	MP BETA3	X	.01	6.833
8	MP BETA3	X	.01	5.167
9	MP GAMMA3	Y	.008	6.833
10	MP GAMMA3	Y	.008	5.167
11	MP GAMMA3	X	.015	6.833
12	MP GAMMA3	X	.015	5.167
13	MP BETA4	Y	.016	6.083
14	MP BETA4	Y	.016	1.917
15	MP BETA4	X	.029	6.083
16	MP BETA4	X	.029	1.917
17	MP GAMMA4	Y	.026	6.083

Member Point Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP GAMMA4	Y	.026	1.917
19	MP GAMMA4	X	.044	6.083
20	MP GAMMA4	X	.044	1.917
21	MP ALPHA4	Y	.023	7
22	MP ALPHA4	Y	.023	1
23	MP ALPHA4	X	.04	7
24	MP ALPHA4	X	.04	1
25	MP ALPHA1	Y	.025	7
26	MP ALPHA1	Y	.025	1
27	MP ALPHA1	X	.044	7
28	MP ALPHA1	X	.044	1
29	MP BETA1	Y	.018	6.083
30	MP BETA1	Y	.018	1.917
31	MP BETA1	X	.032	6.083
32	MP BETA1	X	.032	1.917
33	MP GAMMA1	Y	.027	6.083
34	MP GAMMA1	Y	.027	1.917
35	MP GAMMA1	X	.047	6.083
36	MP GAMMA1	X	.047	1.917
37	MP ALPHA4	Y	.01	4
38	MP ALPHA4	X	.018	4
39	MP BETA4	Y	.01	4
40	MP BETA4	X	.018	4
41	MP GAMMA4	Y	.013	4
42	MP GAMMA4	X	.023	4
43	MP ALPHA5	Y	.006	4
44	MP ALPHA5	X	.01	4
45	MP BETA5	Y	.006	4
46	MP BETA5	X	.01	4
47	MP GAMMA5	Y	.009	4
48	MP GAMMA5	X	.015	4
49	MP ALPHA4	Y	.008	4
50	MP ALPHA4	X	.014	4
51	MP BETA4	Y	.008	4
52	MP BETA4	X	.014	4
53	MP GAMMA4	Y	.01	4
54	MP GAMMA4	X	.017	4
55	MP ALPHA2	Y	.009	4
56	MP ALPHA2	X	.015	4
57	MP BETA2	Y	.009	4
58	MP BETA2	X	.015	4
59	MP GAMMA2	Y	.013	4
60	MP GAMMA2	X	.023	4
61	MP ALPHA5	Y	.007	4
62	MP ALPHA5	X	.012	4
63	MP BETA5	Y	.007	4
64	MP BETA5	X	.012	4
65	MP GAMMA5	Y	.009	4
66	MP GAMMA5	X	.016	4
67	MP ALPHA3	Y	.007	2.833
68	MP ALPHA3	Y	.007	1.167
69	MP ALPHA3	X	.013	2.833

Member Point Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
70	MP ALPHA3	X	.013	1.167
71	MP BETA3	Y	.007	2.833
72	MP BETA3	Y	.007	1.167
73	MP BETA3	X	.013	2.833
74	MP BETA3	X	.013	1.167
75	MP GAMMA3	Y	.009	2.833
76	MP GAMMA3	Y	.009	1.167
77	MP GAMMA3	X	.016	2.833
78	MP GAMMA3	X	.016	1.167

Member Point Loads (BLC 37 : Ice Wind Load (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	.009	6.833
2	MP ALPHA3	X	.009	5.167
3	MP BETA3	X	.015	6.833
4	MP BETA3	X	.015	5.167
5	MP GAMMA3	X	.015	6.833
6	MP GAMMA3	X	.015	5.167
7	MP BETA4	X	.045	6.083
8	MP BETA4	X	.045	1.917
9	MP GAMMA4	X	.045	6.083
10	MP GAMMA4	X	.045	1.917
11	MP ALPHA4	X	.038	7
12	MP ALPHA4	X	.038	1
13	MP ALPHA1	X	.043	7
14	MP ALPHA1	X	.043	1
15	MP BETA1	X	.048	6.083
16	MP BETA1	X	.048	1.917
17	MP GAMMA1	X	.048	6.083
18	MP GAMMA1	X	.048	1.917
19	MP ALPHA4	X	.018	4
20	MP BETA4	X	.025	4
21	MP GAMMA4	X	.025	4
22	MP ALPHA5	X	.009	4
23	MP BETA5	X	.015	4
24	MP GAMMA5	X	.015	4
25	MP ALPHA4	X	.015	4
26	MP BETA4	X	.019	4
27	MP GAMMA4	X	.019	4
28	MP ALPHA2	X	.014	4
29	MP BETA2	X	.023	4
30	MP GAMMA2	X	.023	4
31	MP ALPHA5	X	.013	4
32	MP BETA5	X	.017	4
33	MP GAMMA5	X	.017	4
34	MP ALPHA3	X	.013	2.833
35	MP ALPHA3	X	.013	1.167
36	MP BETA3	X	.017	2.833
37	MP BETA3	X	.017	1.167
38	MP GAMMA3	X	.017	2.833
39	MP GAMMA3	X	.017	1.167

Member Point Loads (BLC 38 : Ice Wind Load (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.006	6.833
2	MP ALPHA3	Y	-.006	5.167
3	MP ALPHA3	X	.01	6.833
4	MP ALPHA3	X	.01	5.167
5	MP BETA3	Y	-.008	6.833
6	MP BETA3	Y	-.008	5.167
7	MP BETA3	X	.015	6.833
8	MP BETA3	X	.015	5.167
9	MP GAMMA3	Y	-.006	6.833
10	MP GAMMA3	Y	-.006	5.167
11	MP GAMMA3	X	.01	6.833
12	MP GAMMA3	X	.01	5.167
13	MP BETA4	Y	-.026	6.083
14	MP BETA4	Y	-.026	1.917
15	MP BETA4	X	.044	6.083
16	MP BETA4	X	.044	1.917
17	MP GAMMA4	Y	-.016	6.083
18	MP GAMMA4	Y	-.016	1.917
19	MP GAMMA4	X	.029	6.083
20	MP GAMMA4	X	.029	1.917
21	MP ALPHA4	Y	-.023	7
22	MP ALPHA4	Y	-.023	1
23	MP ALPHA4	X	.04	7
24	MP ALPHA4	X	.04	1
25	MP ALPHA1	Y	-.025	7
26	MP ALPHA1	Y	-.025	1
27	MP ALPHA1	X	.044	7
28	MP ALPHA1	X	.044	1
29	MP BETA1	Y	-.027	6.083
30	MP BETA1	Y	-.027	1.917
31	MP BETA1	X	.047	6.083
32	MP BETA1	X	.047	1.917
33	MP GAMMA1	Y	-.018	6.083
34	MP GAMMA1	Y	-.018	1.917
35	MP GAMMA1	X	.032	6.083
36	MP GAMMA1	X	.032	1.917
37	MP ALPHA4	Y	-.01	4
38	MP ALPHA4	X	.018	4
39	MP BETA4	Y	-.013	4
40	MP BETA4	X	.023	4
41	MP GAMMA4	Y	-.01	4
42	MP GAMMA4	X	.018	4
43	MP ALPHA5	Y	-.006	4
44	MP ALPHA5	X	.01	4
45	MP BETA5	Y	-.009	4
46	MP BETA5	X	.015	4
47	MP GAMMA5	Y	-.006	4
48	MP GAMMA5	X	.01	4
49	MP ALPHA4	Y	-.008	4
50	MP ALPHA4	X	.014	4
51	MP BETA4	Y	-.01	4
52	MP BETA4	X	.017	4

Member Point Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP GAMMA4	Y	-.008	4
54	MP GAMMA4	X	.014	4
55	MP ALPHA2	Y	-.009	4
56	MP ALPHA2	X	.015	4
57	MP BETA2	Y	-.013	4
58	MP BETA2	X	.023	4
59	MP GAMMA2	Y	-.009	4
60	MP GAMMA2	X	.015	4
61	MP ALPHA5	Y	-.007	4
62	MP ALPHA5	X	.012	4
63	MP BETA5	Y	-.009	4
64	MP BETA5	X	.016	4
65	MP GAMMA5	Y	-.007	4
66	MP GAMMA5	X	.012	4
67	MP ALPHA3	Y	-.007	2.833
68	MP ALPHA3	Y	-.007	1.167
69	MP ALPHA3	X	.013	2.833
70	MP ALPHA3	X	.013	1.167
71	MP BETA3	Y	-.009	2.833
72	MP BETA3	Y	-.009	1.167
73	MP BETA3	X	.016	2.833
74	MP BETA3	X	.016	1.167
75	MP GAMMA3	Y	-.007	2.833
76	MP GAMMA3	Y	-.007	1.167
77	MP GAMMA3	X	.013	2.833
78	MP GAMMA3	X	.013	1.167

Member Point Loads (BLC 39 : Ice Wind Load (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.013	6.833
2	MP ALPHA3	Y	-.013	5.167
3	MP ALPHA3	X	.007	6.833
4	MP ALPHA3	X	.007	5.167
5	MP BETA3	Y	-.013	6.833
6	MP BETA3	Y	-.013	5.167
7	MP BETA3	X	.007	6.833
8	MP BETA3	X	.007	5.167
9	MP GAMMA3	Y	-.008	6.833
10	MP GAMMA3	Y	-.008	5.167
11	MP GAMMA3	X	.005	6.833
12	MP GAMMA3	X	.005	5.167
13	MP BETA4	Y	-.039	6.083
14	MP BETA4	Y	-.039	1.917
15	MP BETA4	X	.023	6.083
16	MP BETA4	X	.023	1.917
17	MP GAMMA4	Y	-.023	6.083
18	MP GAMMA4	Y	-.023	1.917
19	MP GAMMA4	X	.013	6.083
20	MP GAMMA4	X	.013	1.917
21	MP ALPHA4	Y	-.054	7
22	MP ALPHA4	Y	-.054	1

Member Point Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	MP ALPHA4	X	.031	7
24	MP ALPHA4	X	.031	1
25	MP ALPHA1	Y	-.057	7
26	MP ALPHA1	Y	-.057	1
27	MP ALPHA1	X	.033	7
28	MP ALPHA1	X	.033	1
29	MP BETA1	Y	-.042	6.083
30	MP BETA1	Y	-.042	1.917
31	MP BETA1	X	.024	6.083
32	MP BETA1	X	.024	1.917
33	MP GAMMA1	Y	-.027	6.083
34	MP GAMMA1	Y	-.027	1.917
35	MP GAMMA1	X	.015	6.083
36	MP GAMMA1	X	.015	1.917
37	MP ALPHA4	Y	-.021	4
38	MP ALPHA4	X	.012	4
39	MP BETA4	Y	-.021	4
40	MP BETA4	X	.012	4
41	MP GAMMA4	Y	-.016	4
42	MP GAMMA4	X	.009	4
43	MP ALPHA5	Y	-.013	4
44	MP ALPHA5	X	.008	4
45	MP BETA5	Y	-.013	4
46	MP BETA5	X	.008	4
47	MP GAMMA5	Y	-.008	4
48	MP GAMMA5	X	.005	4
49	MP ALPHA4	Y	-.016	4
50	MP ALPHA4	X	.009	4
51	MP BETA4	Y	-.016	4
52	MP BETA4	X	.009	4
53	MP GAMMA4	Y	-.013	4
54	MP GAMMA4	X	.008	4
55	MP ALPHA2	Y	-.02	4
56	MP ALPHA2	X	.012	4
57	MP BETA2	Y	-.02	4
58	MP BETA2	X	.012	4
59	MP GAMMA2	Y	-.012	4
60	MP GAMMA2	X	.007	4
61	MP ALPHA5	Y	-.015	4
62	MP ALPHA5	X	.009	4
63	MP BETA5	Y	-.015	4
64	MP BETA5	X	.009	4
65	MP GAMMA5	Y	-.011	4
66	MP GAMMA5	X	.006	4
67	MP ALPHA3	Y	-.015	2.833
68	MP ALPHA3	Y	-.015	1.167
69	MP ALPHA3	X	.008	2.833
70	MP ALPHA3	X	.008	1.167
71	MP BETA3	Y	-.015	2.833
72	MP BETA3	Y	-.015	1.167
73	MP BETA3	X	.008	2.833
74	MP BETA3	X	.008	1.167

Member Point Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
75	MP GAMMA3	Y	-.011	2.833
76	MP GAMMA3	Y	-.011	1.167
77	MP GAMMA3	X	.007	2.833
78	MP GAMMA3	X	.007	1.167

Member Point Loads (BLC 40 : Earthquake (x-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.003	6.833
2	MP ALPHA3	X	-.003	5.167
3	MP BETA3	X	-.003	6.833
4	MP BETA3	X	-.003	5.167
5	MP GAMMA3	X	-.003	6.833
6	MP GAMMA3	X	-.003	5.167
7	MP BETA4	X	-.004	6.083
8	MP BETA4	X	-.004	1.917
9	MP GAMMA4	X	-.004	6.083
10	MP GAMMA4	X	-.004	1.917
11	MP ALPHA4	X	-.005	7
12	MP ALPHA4	X	-.005	1
13	MP ALPHA1	X	-.008	7
14	MP ALPHA1	X	-.008	1
15	MP BETA1	X	-.007	6.083
16	MP BETA1	X	-.007	1.917
17	MP GAMMA1	X	-.007	6.083
18	MP GAMMA1	X	-.007	1.917
19	MP ALPHA4	X	-.005	4
20	MP BETA4	X	-.005	4
21	MP GAMMA4	X	-.005	4
22	MP ALPHA5	X	-.005	4
23	MP BETA5	X	-.005	4
24	MP GAMMA5	X	-.005	4
25	MP ALPHA4	X	-.007	4
26	MP BETA4	X	-.007	4
27	MP GAMMA4	X	-.007	4
28	MP ALPHA2	X	-.005	4
29	MP BETA2	X	-.005	4
30	MP GAMMA2	X	-.005	4
31	MP ALPHA5	X	-.006	4
32	MP BETA5	X	-.006	4
33	MP GAMMA5	X	-.006	4
34	MP ALPHA3	X	-.004	2.833
35	MP ALPHA3	X	-.004	1.167
36	MP BETA3	X	-.004	2.833
37	MP BETA3	X	-.004	1.167
38	MP GAMMA3	X	-.004	2.833
39	MP GAMMA3	X	-.004	1.167

Member Point Loads (BLC 41 : Earthquake (y-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.003	6.833
2	MP ALPHA3	Y	-.003	5.167

Member Point Loads (BLC 41 : Earthquake (y-direction)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
3	MP BETA3	Y	-.003	6.833
4	MP BETA3	Y	-.003	5.167
5	MP GAMMA3	Y	-.003	6.833
6	MP GAMMA3	Y	-.003	5.167
7	MP BETA4	Y	-.004	6.083
8	MP BETA4	Y	-.004	1.917
9	MP GAMMA4	Y	-.004	6.083
10	MP GAMMA4	Y	-.004	1.917
11	MP ALPHA4	Y	-.005	7
12	MP ALPHA4	Y	-.005	1
13	MP ALPHA1	Y	-.008	7
14	MP ALPHA1	Y	-.008	1
15	MP BETA1	Y	-.007	6.083
16	MP BETA1	Y	-.007	1.917
17	MP GAMMA1	Y	-.007	6.083
18	MP GAMMA1	Y	-.007	1.917
19	MP ALPHA4	Y	-.005	4
20	MP BETA4	Y	-.005	4
21	MP GAMMA4	Y	-.005	4
22	MP ALPHA5	Y	-.005	4
23	MP BETA5	Y	-.005	4
24	MP GAMMA5	Y	-.005	4
25	MP ALPHA4	Y	-.007	4
26	MP BETA4	Y	-.007	4
27	MP GAMMA4	Y	-.007	4
28	MP ALPHA2	Y	-.005	4
29	MP BETA2	Y	-.005	4
30	MP GAMMA2	Y	-.005	4
31	MP ALPHA5	Y	-.006	4
32	MP BETA5	Y	-.006	4
33	MP GAMMA5	Y	-.006	4
34	MP ALPHA3	Y	-.004	2.833
35	MP ALPHA3	Y	-.004	1.167
36	MP BETA3	Y	-.004	2.833
37	MP BETA3	Y	-.004	1.167
38	MP GAMMA3	Y	-.004	2.833
39	MP GAMMA3	Y	-.004	1.167

Member Point Loads (BLC 42 : Earthquake (z-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.001	6.833
2	MP ALPHA3	Z	-.001	5.167
3	MP BETA3	Z	-.001	6.833
4	MP BETA3	Z	-.001	5.167
5	MP GAMMA3	Z	-.001	6.833
6	MP GAMMA3	Z	-.001	5.167
7	MP BETA4	Z	-.002	6.083
8	MP BETA4	Z	-.002	1.917
9	MP GAMMA4	Z	-.002	6.083
10	MP GAMMA4	Z	-.002	1.917
11	MP ALPHA4	Z	-.002	7

Member Point Loads (BLC 42 : Earthquake (z-direction)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP ALPHA4	Z	-.002	1
13	MP ALPHA1	Z	-.003	7
14	MP ALPHA1	Z	-.003	1
15	MP BETA1	Z	-.003	6.083
16	MP BETA1	Z	-.003	1.917
17	MP GAMMA1	Z	-.003	6.083
18	MP GAMMA1	Z	-.003	1.917
19	MP ALPHA4	Z	-.002	4
20	MP BETA4	Z	-.002	4
21	MP GAMMA4	Z	-.002	4
22	MP ALPHA5	Z	-.002	4
23	MP BETA5	Z	-.002	4
24	MP GAMMA5	Z	-.002	4
25	MP ALPHA4	Z	-.003	4
26	MP BETA4	Z	-.003	4
27	MP GAMMA4	Z	-.003	4
28	MP ALPHA2	Z	-.002	4
29	MP BETA2	Z	-.002	4
30	MP GAMMA2	Z	-.002	4
31	MP ALPHA5	Z	-.002	4
32	MP BETA5	Z	-.002	4
33	MP GAMMA5	Z	-.002	4
34	MP ALPHA3	Z	-.002	2.833
35	MP ALPHA3	Z	-.002	1.167
36	MP BETA3	Z	-.002	2.833
37	MP BETA3	Z	-.002	1.167
38	MP GAMMA3	Z	-.002	2.833
39	MP GAMMA3	Z	-.002	1.167

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.006	-.006	0	0
2	SUP5	PY	-.006	-.006	0	0
3	SUP4	PY	-.006	-.006	0	0
4	SUP3	PY	-.006	-.006	0	0
5	SUP2	PY	-.006	-.006	0	0
6	SUP1	PY	-.006	-.006	0	0
7	SR12	PY	-.001	-.001	0	0
8	SR11	PY	-.001	-.001	0	0
9	SR10	PY	-.001	-.001	0	0
10	SR9	PY	-.001	-.001	0	0
11	SR8	PY	-.001	-.001	0	0
12	SR7	PY	-.001	-.001	0	0
13	SR6	PY	-.001	-.001	0	0
14	SR5	PY	-.001	-.001	0	0
15	SR4	PY	-.001	-.001	0	0
16	SR3	PY	-.001	-.001	0	0
17	SR2	PY	-.001	-.001	0	0
18	SR1	PY	-.001	-.001	0	0
19	SO3	PY	-.008	-.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	SO2	PY	-.008	-.008	0	0
21	SO1	PY	-.008	-.008	0	0
22	RPL6	PY	-.015	-.015	0	0
23	RPL5	PY	-.015	-.015	0	0
24	RPL4	PY	-.015	-.015	0	0
25	RPL3	PY	-.015	-.015	0	0
26	RPL2	PY	-.015	-.015	0	0
27	RPL1	PY	-.015	-.015	0	0
28	RAIL3	PY	-.006	-.006	0	0
29	RAIL2	PY	-.006	-.006	0	0
30	RAIL1	PY	-.003	-.003	0	0
31	PL12	PY	-.018	-.018	0	0
32	PL11	PY	-.018	-.018	0	0
33	PL10	PY	-.018	-.018	0	0
34	PL9	PY	-.018	-.018	0	0
35	PL8	PY	-.018	-.018	0	0
36	PL7	PY	-.018	-.018	0	0
37	PL6	PY	-.018	-.018	0	0
38	PL5	PY	-.018	-.018	0	0
39	PL4	PY	-.018	-.018	0	0
40	PL3	PY	-.018	-.018	0	0
41	PL2	PY	-.018	-.018	0	0
42	PL1	PY	-.018	-.018	0	0
43	MP GAMMA5	PY	-.009	-.009	0	0
44	MP GAMMA4	PY	-.009	-.009	0	0
45	MP GAMMA3	PY	-.009	-.009	0	0
46	MP GAMMA2	PY	-.009	-.009	0	0
47	MP GAMMA1	PY	-.009	-.009	0	0
48	MP BETA5	PY	-.009	-.009	0	0
49	MP BETA4	PY	-.009	-.009	0	0
50	MP BETA3	PY	-.009	-.009	0	0
51	MP BETA2	PY	-.009	-.009	0	0
52	MP BETA1	PY	-.009	-.009	0	0
53	MP ALPHA5	PY	-.009	-.009	0	0
54	MP ALPHA4	PY	-.009	-.009	0	0
55	MP ALPHA3	PY	-.009	-.009	0	0
56	MP ALPHA2	PY	-.009	-.009	0	0
57	MP ALPHA1	PY	-.009	-.009	0	0
58	KICK3	PY	-.015	-.015	0	0
59	KICK2	PY	-.015	-.015	0	0
60	KICK1	PY	-.015	-.015	0	0
61	FACE3	PY	-.008	-.008	0	0
62	FACE2	PY	-.008	-.008	0	0
63	FACE1	PY	-.004	-.004	0	0
64	CR6	PY	-.008	-.008	0	0
65	CR5	PY	-.008	-.008	0	0
66	CR4	PY	-.008	-.008	0	0
67	CR3	PY	-.008	-.008	0	0
68	CR2	PY	-.008	-.008	0	0
69	CR1	PY	-.008	-.008	0	0
70	CORN PL9	PY	-.018	-.018	0	0
71	CORN PL8	PY	-.018	-.018	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	CORN PL7	PY	-.018	-.018	0	0
73	CORN PL6	PY	-.018	-.018	0	0
74	CORN PL5	PY	-.018	-.018	0	0
75	CORN PL4	PY	-.018	-.018	0	0
76	CORN PL3	PY	-.018	-.018	0	0
77	CORN PL2	PY	-.018	-.018	0	0
78	CORN PL1	PY	-.018	-.018	0	0
79	ANGLE3	PY	-.008	-.008	0	0
80	ANGLE2	PY	-.008	-.008	0	0
81	ANGLE1	PY	-.008	-.008	0	0

Member Distributed Loads (BLC 4 : Wind Load (30))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.005	-.005	0	0
2	SUP5	PY	-.005	-.005	0	0
3	SUP4	PY	-.005	-.005	0	0
4	SUP3	PY	-.005	-.005	0	0
5	SUP2	PY	-.005	-.005	0	0
6	SUP1	PY	-.005	-.005	0	0
7	SR12	PY	-.001	-.001	0	0
8	SR11	PY	-.001	-.001	0	0
9	SR10	PY	-.001	-.001	0	0
10	SR9	PY	-.001	-.001	0	0
11	SR8	PY	-.001	-.001	0	0
12	SR7	PY	-.001	-.001	0	0
13	SR6	PY	-.001	-.001	0	0
14	SR5	PY	-.001	-.001	0	0
15	SR4	PY	-.001	-.001	0	0
16	SR3	PY	-.001	-.001	0	0
17	SR2	PY	-.001	-.001	0	0
18	SR1	PY	-.001	-.001	0	0
19	SO3	PY	-.007	-.007	0	0
20	SO2	PY	-.007	-.007	0	0
21	SO1	PY	-.007	-.007	0	0
22	RPL6	PY	-.013	-.013	0	0
23	RPL5	PY	-.013	-.013	0	0
24	RPL4	PY	-.013	-.013	0	0
25	RPL3	PY	-.013	-.013	0	0
26	RPL2	PY	-.013	-.013	0	0
27	RPL1	PY	-.013	-.013	0	0
28	RAIL3	PY	-.005	-.005	0	0
29	RAIL2	PY	-.005	-.005	0	0
30	RAIL1	PY	-.002	-.002	0	0
31	PL12	PY	-.016	-.016	0	0
32	PL11	PY	-.016	-.016	0	0
33	PL10	PY	-.016	-.016	0	0
34	PL9	PY	-.016	-.016	0	0
35	PL8	PY	-.016	-.016	0	0
36	PL7	PY	-.016	-.016	0	0
37	PL6	PY	-.016	-.016	0	0
38	PL5	PY	-.016	-.016	0	0

Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	PL4	PY	-.016	-.016	0	0
40	PL3	PY	-.016	-.016	0	0
41	PL2	PY	-.016	-.016	0	0
42	PL1	PY	-.016	-.016	0	0
43	MP GAMMA5	PY	-.008	-.008	0	0
44	MP GAMMA4	PY	-.008	-.008	0	0
45	MP GAMMA3	PY	-.008	-.008	0	0
46	MP GAMMA2	PY	-.008	-.008	0	0
47	MP GAMMA1	PY	-.008	-.008	0	0
48	MP BETA5	PY	-.008	-.008	0	0
49	MP BETA4	PY	-.008	-.008	0	0
50	MP BETA3	PY	-.008	-.008	0	0
51	MP BETA2	PY	-.008	-.008	0	0
52	MP BETA1	PY	-.008	-.008	0	0
53	MP ALPHA5	PY	-.008	-.008	0	0
54	MP ALPHA4	PY	-.008	-.008	0	0
55	MP ALPHA3	PY	-.008	-.008	0	0
56	MP ALPHA2	PY	-.008	-.008	0	0
57	MP ALPHA1	PY	-.008	-.008	0	0
58	KICK3	PY	-.013	-.013	0	0
59	KICK2	PY	-.013	-.013	0	0
60	KICK1	PY	-.013	-.013	0	0
61	FACE3	PY	-.007	-.007	0	0
62	FACE2	PY	-.007	-.007	0	0
63	FACE1	PY	-.004	-.004	0	0
64	CR6	PY	-.007	-.007	0	0
65	CR5	PY	-.007	-.007	0	0
66	CR4	PY	-.007	-.007	0	0
67	CR3	PY	-.007	-.007	0	0
68	CR2	PY	-.007	-.007	0	0
69	CR1	PY	-.007	-.007	0	0
70	CORN PL9	PY	-.016	-.016	0	0
71	CORN PL8	PY	-.016	-.016	0	0
72	CORN PL7	PY	-.016	-.016	0	0
73	CORN PL6	PY	-.016	-.016	0	0
74	CORN PL5	PY	-.016	-.016	0	0
75	CORN PL4	PY	-.016	-.016	0	0
76	CORN PL3	PY	-.016	-.016	0	0
77	CORN PL2	PY	-.016	-.016	0	0
78	CORN PL1	PY	-.016	-.016	0	0
79	ANGLE3	PY	-.007	-.007	0	0
80	ANGLE2	PY	-.007	-.007	0	0
81	ANGLE1	PY	-.007	-.007	0	0
82	SUP6	PX	-.003	-.003	0	0
83	SUP5	PX	-.003	-.003	0	0
84	SUP4	PX	-.003	-.003	0	0
85	SUP3	PX	-.003	-.003	0	0
86	SUP2	PX	-.003	-.003	0	0
87	SUP1	PX	-.003	-.003	0	0
88	SR12	PX	-.000745	-.000745	0	0
89	SR11	PX	-.000745	-.000745	0	0
90	SR10	PX	-.000745	-.000745	0	0

Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	SR9	PX	-.000745	-.000745	0	0
92	SR8	PX	-.000745	-.000745	0	0
93	SR7	PX	-.000745	-.000745	0	0
94	SR6	PX	-.000745	-.000745	0	0
95	SR5	PX	-.000745	-.000745	0	0
96	SR4	PX	-.000745	-.000745	0	0
97	SR3	PX	-.000745	-.000745	0	0
98	SR2	PX	-.000745	-.000745	0	0
99	SR1	PX	-.000745	-.000745	0	0
100	SO3	PX	-.004	-.004	0	0
101	SO2	PX	-.004	-.004	0	0
102	SO1	PX	-.004	-.004	0	0
103	RPL6	PX	-.008	-.008	0	0
104	RPL5	PX	-.008	-.008	0	0
105	RPL4	PX	-.008	-.008	0	0
106	RPL3	PX	-.008	-.008	0	0
107	RPL2	PX	-.008	-.008	0	0
108	RPL1	PX	-.008	-.008	0	0
109	RAIL3	PX	-.003	-.003	0	0
110	RAIL2	PX	-.003	-.003	0	0
111	RAIL1	PX	-.001	-.001	0	0
112	PL12	PX	-.009	-.009	0	0
113	PL11	PX	-.009	-.009	0	0
114	PL10	PX	-.009	-.009	0	0
115	PL9	PX	-.009	-.009	0	0
116	PL8	PX	-.009	-.009	0	0
117	PL7	PX	-.009	-.009	0	0
118	PL6	PX	-.009	-.009	0	0
119	PL5	PX	-.009	-.009	0	0
120	PL4	PX	-.009	-.009	0	0
121	PL3	PX	-.009	-.009	0	0
122	PL2	PX	-.009	-.009	0	0
123	PL1	PX	-.009	-.009	0	0
124	MP GAMMA5	PX	-.004	-.004	0	0
125	MP GAMMA4	PX	-.004	-.004	0	0
126	MP GAMMA3	PX	-.004	-.004	0	0
127	MP GAMMA2	PX	-.004	-.004	0	0
128	MP GAMMA1	PX	-.004	-.004	0	0
129	MP BETA5	PX	-.004	-.004	0	0
130	MP BETA4	PX	-.004	-.004	0	0
131	MP BETA3	PX	-.004	-.004	0	0
132	MP BETA2	PX	-.004	-.004	0	0
133	MP BETA1	PX	-.004	-.004	0	0
134	MP ALPHA5	PX	-.004	-.004	0	0
135	MP ALPHA4	PX	-.004	-.004	0	0
136	MP ALPHA3	PX	-.004	-.004	0	0
137	MP ALPHA2	PX	-.004	-.004	0	0
138	MP ALPHA1	PX	-.004	-.004	0	0
139	KICK3	PX	-.008	-.008	0	0
140	KICK2	PX	-.008	-.008	0	0
141	KICK1	PX	-.008	-.008	0	0
142	FACE3	PX	-.004	-.004	0	0

Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
143	FACE2	PX	-.004	-.004	0	0
144	FACE1	PX	-.002	-.002	0	0
145	CR6	PX	-.004	-.004	0	0
146	CR5	PX	-.004	-.004	0	0
147	CR4	PX	-.004	-.004	0	0
148	CR3	PX	-.004	-.004	0	0
149	CR2	PX	-.004	-.004	0	0
150	CR1	PX	-.004	-.004	0	0
151	CORN PL9	PX	-.009	-.009	0	0
152	CORN PL8	PX	-.009	-.009	0	0
153	CORN PL7	PX	-.009	-.009	0	0
154	CORN PL6	PX	-.009	-.009	0	0
155	CORN PL5	PX	-.009	-.009	0	0
156	CORN PL4	PX	-.009	-.009	0	0
157	CORN PL3	PX	-.009	-.009	0	0
158	CORN PL2	PX	-.009	-.009	0	0
159	CORN PL1	PX	-.009	-.009	0	0
160	ANGLE3	PX	-.004	-.004	0	0
161	ANGLE2	PX	-.004	-.004	0	0
162	ANGLE1	PX	-.004	-.004	0	0

Member Distributed Loads (BLC 5 : Wind Load (60))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.003	-.003	0	0
2	SUP5	PY	-.003	-.003	0	0
3	SUP4	PY	-.003	-.003	0	0
4	SUP3	PY	-.003	-.003	0	0
5	SUP2	PY	-.003	-.003	0	0
6	SUP1	PY	-.003	-.003	0	0
7	SR12	PY	-.000745	-.000745	0	0
8	SR11	PY	-.000745	-.000745	0	0
9	SR10	PY	-.000745	-.000745	0	0
10	SR9	PY	-.000745	-.000745	0	0
11	SR8	PY	-.000745	-.000745	0	0
12	SR7	PY	-.000745	-.000745	0	0
13	SR6	PY	-.000745	-.000745	0	0
14	SR5	PY	-.000745	-.000745	0	0
15	SR4	PY	-.000745	-.000745	0	0
16	SR3	PY	-.000745	-.000745	0	0
17	SR2	PY	-.000745	-.000745	0	0
18	SR1	PY	-.000745	-.000745	0	0
19	SO3	PY	-.004	-.004	0	0
20	SO2	PY	-.004	-.004	0	0
21	SO1	PY	-.004	-.004	0	0
22	RPL6	PY	-.008	-.008	0	0
23	RPL5	PY	-.008	-.008	0	0
24	RPL4	PY	-.008	-.008	0	0
25	RPL3	PY	-.008	-.008	0	0
26	RPL2	PY	-.008	-.008	0	0
27	RPL1	PY	-.008	-.008	0	0
28	RAIL3	PY	-.003	-.003	0	0

Member Distributed Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	RAIL2	PY	-.003	-.003	0	0
30	RAIL1	PY	-.001	-.001	0	0
31	PL12	PY	-.009	-.009	0	0
32	PL11	PY	-.009	-.009	0	0
33	PL10	PY	-.009	-.009	0	0
34	PL9	PY	-.009	-.009	0	0
35	PL8	PY	-.009	-.009	0	0
36	PL7	PY	-.009	-.009	0	0
37	PL6	PY	-.009	-.009	0	0
38	PL5	PY	-.009	-.009	0	0
39	PL4	PY	-.009	-.009	0	0
40	PL3	PY	-.009	-.009	0	0
41	PL2	PY	-.009	-.009	0	0
42	PL1	PY	-.009	-.009	0	0
43	MP GAMMA5	PY	-.004	-.004	0	0
44	MP GAMMA4	PY	-.004	-.004	0	0
45	MP GAMMA3	PY	-.004	-.004	0	0
46	MP GAMMA2	PY	-.004	-.004	0	0
47	MP GAMMA1	PY	-.004	-.004	0	0
48	MP BETA5	PY	-.004	-.004	0	0
49	MP BETA4	PY	-.004	-.004	0	0
50	MP BETA3	PY	-.004	-.004	0	0
51	MP BETA2	PY	-.004	-.004	0	0
52	MP BETA1	PY	-.004	-.004	0	0
53	MP ALPHA5	PY	-.004	-.004	0	0
54	MP ALPHA4	PY	-.004	-.004	0	0
55	MP ALPHA3	PY	-.004	-.004	0	0
56	MP ALPHA2	PY	-.004	-.004	0	0
57	MP ALPHA1	PY	-.004	-.004	0	0
58	KICK3	PY	-.008	-.008	0	0
59	KICK2	PY	-.008	-.008	0	0
60	KICK1	PY	-.008	-.008	0	0
61	FACE3	PY	-.004	-.004	0	0
62	FACE2	PY	-.004	-.004	0	0
63	FACE1	PY	-.002	-.002	0	0
64	CR6	PY	-.004	-.004	0	0
65	CR5	PY	-.004	-.004	0	0
66	CR4	PY	-.004	-.004	0	0
67	CR3	PY	-.004	-.004	0	0
68	CR2	PY	-.004	-.004	0	0
69	CR1	PY	-.004	-.004	0	0
70	CORN PL9	PY	-.009	-.009	0	0
71	CORN PL8	PY	-.009	-.009	0	0
72	CORN PL7	PY	-.009	-.009	0	0
73	CORN PL6	PY	-.009	-.009	0	0
74	CORN PL5	PY	-.009	-.009	0	0
75	CORN PL4	PY	-.009	-.009	0	0
76	CORN PL3	PY	-.009	-.009	0	0
77	CORN PL2	PY	-.009	-.009	0	0
78	CORN PL1	PY	-.009	-.009	0	0
79	ANGLE3	PY	-.004	-.004	0	0
80	ANGLE2	PY	-.004	-.004	0	0

Member Distributed Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	ANGLE1	PY	-.004	-.004	0	0
82	SUP6	PX	-.005	-.005	0	0
83	SUP5	PX	-.005	-.005	0	0
84	SUP4	PX	-.005	-.005	0	0
85	SUP3	PX	-.005	-.005	0	0
86	SUP2	PX	-.005	-.005	0	0
87	SUP1	PX	-.005	-.005	0	0
88	SR12	PX	-.001	-.001	0	0
89	SR11	PX	-.001	-.001	0	0
90	SR10	PX	-.001	-.001	0	0
91	SR9	PX	-.001	-.001	0	0
92	SR8	PX	-.001	-.001	0	0
93	SR7	PX	-.001	-.001	0	0
94	SR6	PX	-.001	-.001	0	0
95	SR5	PX	-.001	-.001	0	0
96	SR4	PX	-.001	-.001	0	0
97	SR3	PX	-.001	-.001	0	0
98	SR2	PX	-.001	-.001	0	0
99	SR1	PX	-.001	-.001	0	0
100	SO3	PX	-.007	-.007	0	0
101	SO2	PX	-.007	-.007	0	0
102	SO1	PX	-.007	-.007	0	0
103	RPL6	PX	-.013	-.013	0	0
104	RPL5	PX	-.013	-.013	0	0
105	RPL4	PX	-.013	-.013	0	0
106	RPL3	PX	-.013	-.013	0	0
107	RPL2	PX	-.013	-.013	0	0
108	RPL1	PX	-.013	-.013	0	0
109	RAIL3	PX	-.005	-.005	0	0
110	RAIL2	PX	-.005	-.005	0	0
111	RAIL1	PX	-.002	-.002	0	0
112	PL12	PX	-.016	-.016	0	0
113	PL11	PX	-.016	-.016	0	0
114	PL10	PX	-.016	-.016	0	0
115	PL9	PX	-.016	-.016	0	0
116	PL8	PX	-.016	-.016	0	0
117	PL7	PX	-.016	-.016	0	0
118	PL6	PX	-.016	-.016	0	0
119	PL5	PX	-.016	-.016	0	0
120	PL4	PX	-.016	-.016	0	0
121	PL3	PX	-.016	-.016	0	0
122	PL2	PX	-.016	-.016	0	0
123	PL1	PX	-.016	-.016	0	0
124	MP GAMMA5	PX	-.008	-.008	0	0
125	MP GAMMA4	PX	-.008	-.008	0	0
126	MP GAMMA3	PX	-.008	-.008	0	0
127	MP GAMMA2	PX	-.008	-.008	0	0
128	MP GAMMA1	PX	-.008	-.008	0	0
129	MP BETA5	PX	-.008	-.008	0	0
130	MP BETA4	PX	-.008	-.008	0	0
131	MP BETA3	PX	-.008	-.008	0	0
132	MP BETA2	PX	-.008	-.008	0	0

Member Distributed Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
133	MP BETA1	PX	-.008	-.008	0	0
134	MP ALPHA5	PX	-.008	-.008	0	0
135	MP ALPHA4	PX	-.008	-.008	0	0
136	MP ALPHA3	PX	-.008	-.008	0	0
137	MP ALPHA2	PX	-.008	-.008	0	0
138	MP ALPHA1	PX	-.008	-.008	0	0
139	KICK3	PX	-.013	-.013	0	0
140	KICK2	PX	-.013	-.013	0	0
141	KICK1	PX	-.013	-.013	0	0
142	FACE3	PX	-.007	-.007	0	0
143	FACE2	PX	-.007	-.007	0	0
144	FACE1	PX	-.004	-.004	0	0
145	CR6	PX	-.007	-.007	0	0
146	CR5	PX	-.007	-.007	0	0
147	CR4	PX	-.007	-.007	0	0
148	CR3	PX	-.007	-.007	0	0
149	CR2	PX	-.007	-.007	0	0
150	CR1	PX	-.007	-.007	0	0
151	CORN PL9	PX	-.016	-.016	0	0
152	CORN PL8	PX	-.016	-.016	0	0
153	CORN PL7	PX	-.016	-.016	0	0
154	CORN PL6	PX	-.016	-.016	0	0
155	CORN PL5	PX	-.016	-.016	0	0
156	CORN PL4	PX	-.016	-.016	0	0
157	CORN PL3	PX	-.016	-.016	0	0
158	CORN PL2	PX	-.016	-.016	0	0
159	CORN PL1	PX	-.016	-.016	0	0
160	ANGLE3	PX	-.007	-.007	0	0
161	ANGLE2	PX	-.007	-.007	0	0
162	ANGLE1	PX	-.007	-.007	0	0

Member Distributed Loads (BLC 6 : Wind Load (90))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PX	-.006	-.006	0	0
2	SUP5	PX	-.006	-.006	0	0
3	SUP4	PX	-.006	-.006	0	0
4	SUP3	PX	-.006	-.006	0	0
5	SUP2	PX	-.006	-.006	0	0
6	SUP1	PX	-.006	-.006	0	0
7	SR12	PX	-.001	-.001	0	0
8	SR11	PX	-.001	-.001	0	0
9	SR10	PX	-.001	-.001	0	0
10	SR9	PX	-.001	-.001	0	0
11	SR8	PX	-.001	-.001	0	0
12	SR7	PX	-.001	-.001	0	0
13	SR6	PX	-.001	-.001	0	0
14	SR5	PX	-.001	-.001	0	0
15	SR4	PX	-.001	-.001	0	0
16	SR3	PX	-.001	-.001	0	0
17	SR2	PX	-.001	-.001	0	0
18	SR1	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 6 : Wind Load (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	SO3	PX	-.008	-.008	0	0
20	SO2	PX	-.008	-.008	0	0
21	SO1	PX	-.008	-.008	0	0
22	RPL6	PX	-.015	-.015	0	0
23	RPL5	PX	-.015	-.015	0	0
24	RPL4	PX	-.015	-.015	0	0
25	RPL3	PX	-.015	-.015	0	0
26	RPL2	PX	-.015	-.015	0	0
27	RPL1	PX	-.015	-.015	0	0
28	RAIL3	PX	-.006	-.006	0	0
29	RAIL1	PX	-.006	-.006	0	0
30	RAIL2	PX	-.003	-.003	0	0
31	PL12	PX	-.018	-.018	0	0
32	PL11	PX	-.018	-.018	0	0
33	PL10	PX	-.018	-.018	0	0
34	PL9	PX	-.018	-.018	0	0
35	PL8	PX	-.018	-.018	0	0
36	PL7	PX	-.018	-.018	0	0
37	PL6	PX	-.018	-.018	0	0
38	PL5	PX	-.018	-.018	0	0
39	PL4	PX	-.018	-.018	0	0
40	PL3	PX	-.018	-.018	0	0
41	PL2	PX	-.018	-.018	0	0
42	PL1	PX	-.018	-.018	0	0
43	MP GAMMA5	PX	-.009	-.009	0	0
44	MP GAMMA4	PX	-.009	-.009	0	0
45	MP GAMMA3	PX	-.009	-.009	0	0
46	MP GAMMA2	PX	-.009	-.009	0	0
47	MP GAMMA1	PX	-.009	-.009	0	0
48	MP BETA5	PX	-.009	-.009	0	0
49	MP BETA4	PX	-.009	-.009	0	0
50	MP BETA3	PX	-.009	-.009	0	0
51	MP BETA2	PX	-.009	-.009	0	0
52	MP BETA1	PX	-.009	-.009	0	0
53	MP ALPHA5	PX	-.009	-.009	0	0
54	MP ALPHA4	PX	-.009	-.009	0	0
55	MP ALPHA3	PX	-.009	-.009	0	0
56	MP ALPHA2	PX	-.009	-.009	0	0
57	MP ALPHA1	PX	-.009	-.009	0	0
58	KICK3	PX	-.015	-.015	0	0
59	KICK2	PX	-.015	-.015	0	0
60	KICK1	PX	-.015	-.015	0	0
61	FACE3	PX	-.008	-.008	0	0
62	FACE1	PX	-.008	-.008	0	0
63	FACE2	PX	-.004	-.004	0	0
64	CR6	PX	-.008	-.008	0	0
65	CR5	PX	-.008	-.008	0	0
66	CR4	PX	-.008	-.008	0	0
67	CR3	PX	-.008	-.008	0	0
68	CR2	PX	-.008	-.008	0	0
69	CR1	PX	-.008	-.008	0	0
70	CORN PL9	PX	-.018	-.018	0	0

Member Distributed Loads (BLC 6 : Wind Load (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
71	CORN PL8	PX	-.018	-.018	0	0
72	CORN PL7	PX	-.018	-.018	0	0
73	CORN PL6	PX	-.018	-.018	0	0
74	CORN PL5	PX	-.018	-.018	0	0
75	CORN PL4	PX	-.018	-.018	0	0
76	CORN PL3	PX	-.018	-.018	0	0
77	CORN PL2	PX	-.018	-.018	0	0
78	CORN PL1	PX	-.018	-.018	0	0
79	ANGLE3	PX	-.008	-.008	0	0
80	ANGLE2	PX	-.008	-.008	0	0
81	ANGLE1	PX	-.008	-.008	0	0

Member Distributed Loads (BLC 7 : Wind Load (120))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.003	.003	0	0
2	SUP5	PY	.003	.003	0	0
3	SUP4	PY	.003	.003	0	0
4	SUP3	PY	.003	.003	0	0
5	SUP2	PY	.003	.003	0	0
6	SUP1	PY	.003	.003	0	0
7	SR12	PY	.000745	.000745	0	0
8	SR11	PY	.000745	.000745	0	0
9	SR10	PY	.000745	.000745	0	0
10	SR9	PY	.000745	.000745	0	0
11	SR8	PY	.000745	.000745	0	0
12	SR7	PY	.000745	.000745	0	0
13	SR6	PY	.000745	.000745	0	0
14	SR5	PY	.000745	.000745	0	0
15	SR4	PY	.000745	.000745	0	0
16	SR3	PY	.000745	.000745	0	0
17	SR2	PY	.000745	.000745	0	0
18	SR1	PY	.000745	.000745	0	0
19	SO3	PY	.004	.004	0	0
20	SO2	PY	.004	.004	0	0
21	SO1	PY	.004	.004	0	0
22	RPL6	PY	.008	.008	0	0
23	RPL5	PY	.008	.008	0	0
24	RPL4	PY	.008	.008	0	0
25	RPL3	PY	.008	.008	0	0
26	RPL2	PY	.008	.008	0	0
27	RPL1	PY	.008	.008	0	0
28	RAIL3	PY	.003	.003	0	0
29	RAIL1	PY	.003	.003	0	0
30	RAIL2	PY	.001	.001	0	0
31	PL12	PY	.009	.009	0	0
32	PL11	PY	.009	.009	0	0
33	PL10	PY	.009	.009	0	0
34	PL9	PY	.009	.009	0	0
35	PL8	PY	.009	.009	0	0
36	PL7	PY	.009	.009	0	0
37	PL6	PY	.009	.009	0	0

Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
38	PL5	PY	.009	.009	0	0
39	PL4	PY	.009	.009	0	0
40	PL3	PY	.009	.009	0	0
41	PL2	PY	.009	.009	0	0
42	PL1	PY	.009	.009	0	0
43	MP GAMMA5	PY	.004	.004	0	0
44	MP GAMMA4	PY	.004	.004	0	0
45	MP GAMMA3	PY	.004	.004	0	0
46	MP GAMMA2	PY	.004	.004	0	0
47	MP GAMMA1	PY	.004	.004	0	0
48	MP BETA5	PY	.004	.004	0	0
49	MP BETA4	PY	.004	.004	0	0
50	MP BETA3	PY	.004	.004	0	0
51	MP BETA2	PY	.004	.004	0	0
52	MP BETA1	PY	.004	.004	0	0
53	MP ALPHA5	PY	.004	.004	0	0
54	MP ALPHA4	PY	.004	.004	0	0
55	MP ALPHA3	PY	.004	.004	0	0
56	MP ALPHA2	PY	.004	.004	0	0
57	MP ALPHA1	PY	.004	.004	0	0
58	KICK3	PY	.008	.008	0	0
59	KICK2	PY	.008	.008	0	0
60	KICK1	PY	.008	.008	0	0
61	FACE3	PY	.004	.004	0	0
62	FACE1	PY	.004	.004	0	0
63	FACE2	PY	.002	.002	0	0
64	CR6	PY	.004	.004	0	0
65	CR5	PY	.004	.004	0	0
66	CR4	PY	.004	.004	0	0
67	CR3	PY	.004	.004	0	0
68	CR2	PY	.004	.004	0	0
69	CR1	PY	.004	.004	0	0
70	CORN PL9	PY	.009	.009	0	0
71	CORN PL8	PY	.009	.009	0	0
72	CORN PL7	PY	.009	.009	0	0
73	CORN PL6	PY	.009	.009	0	0
74	CORN PL5	PY	.009	.009	0	0
75	CORN PL4	PY	.009	.009	0	0
76	CORN PL3	PY	.009	.009	0	0
77	CORN PL2	PY	.009	.009	0	0
78	CORN PL1	PY	.009	.009	0	0
79	ANGLE3	PY	.004	.004	0	0
80	ANGLE2	PY	.004	.004	0	0
81	ANGLE1	PY	.004	.004	0	0
82	SUP6	PX	-.005	-.005	0	0
83	SUP5	PX	-.005	-.005	0	0
84	SUP4	PX	-.005	-.005	0	0
85	SUP3	PX	-.005	-.005	0	0
86	SUP2	PX	-.005	-.005	0	0
87	SUP1	PX	-.005	-.005	0	0
88	SR12	PX	-.001	-.001	0	0
89	SR11	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
90	SR10	PX	-.001	-.001	0	0
91	SR9	PX	-.001	-.001	0	0
92	SR8	PX	-.001	-.001	0	0
93	SR7	PX	-.001	-.001	0	0
94	SR6	PX	-.001	-.001	0	0
95	SR5	PX	-.001	-.001	0	0
96	SR4	PX	-.001	-.001	0	0
97	SR3	PX	-.001	-.001	0	0
98	SR2	PX	-.001	-.001	0	0
99	SR1	PX	-.001	-.001	0	0
100	SO3	PX	-.007	-.007	0	0
101	SO2	PX	-.007	-.007	0	0
102	SO1	PX	-.007	-.007	0	0
103	RPL6	PX	-.013	-.013	0	0
104	RPL5	PX	-.013	-.013	0	0
105	RPL4	PX	-.013	-.013	0	0
106	RPL3	PX	-.013	-.013	0	0
107	RPL2	PX	-.013	-.013	0	0
108	RPL1	PX	-.013	-.013	0	0
109	RAIL3	PX	-.005	-.005	0	0
110	RAIL1	PX	-.005	-.005	0	0
111	RAIL2	PX	-.002	-.002	0	0
112	PL12	PX	-.016	-.016	0	0
113	PL11	PX	-.016	-.016	0	0
114	PL10	PX	-.016	-.016	0	0
115	PL9	PX	-.016	-.016	0	0
116	PL8	PX	-.016	-.016	0	0
117	PL7	PX	-.016	-.016	0	0
118	PL6	PX	-.016	-.016	0	0
119	PL5	PX	-.016	-.016	0	0
120	PL4	PX	-.016	-.016	0	0
121	PL3	PX	-.016	-.016	0	0
122	PL2	PX	-.016	-.016	0	0
123	PL1	PX	-.016	-.016	0	0
124	MP GAMMA5	PX	-.008	-.008	0	0
125	MP GAMMA4	PX	-.008	-.008	0	0
126	MP GAMMA3	PX	-.008	-.008	0	0
127	MP GAMMA2	PX	-.008	-.008	0	0
128	MP GAMMA1	PX	-.008	-.008	0	0
129	MP BETA5	PX	-.008	-.008	0	0
130	MP BETA4	PX	-.008	-.008	0	0
131	MP BETA3	PX	-.008	-.008	0	0
132	MP BETA2	PX	-.008	-.008	0	0
133	MP BETA1	PX	-.008	-.008	0	0
134	MP ALPHA5	PX	-.008	-.008	0	0
135	MP ALPHA4	PX	-.008	-.008	0	0
136	MP ALPHA3	PX	-.008	-.008	0	0
137	MP ALPHA2	PX	-.008	-.008	0	0
138	MP ALPHA1	PX	-.008	-.008	0	0
139	KICK3	PX	-.013	-.013	0	0
140	KICK2	PX	-.013	-.013	0	0
141	KICK1	PX	-.013	-.013	0	0

Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
142	FACE3	PX	-.007	-.007	0	0
143	FACE1	PX	-.007	-.007	0	0
144	FACE2	PX	-.004	-.004	0	0
145	CR6	PX	-.007	-.007	0	0
146	CR5	PX	-.007	-.007	0	0
147	CR4	PX	-.007	-.007	0	0
148	CR3	PX	-.007	-.007	0	0
149	CR2	PX	-.007	-.007	0	0
150	CR1	PX	-.007	-.007	0	0
151	CORN PL9	PX	-.016	-.016	0	0
152	CORN PL8	PX	-.016	-.016	0	0
153	CORN PL7	PX	-.016	-.016	0	0
154	CORN PL6	PX	-.016	-.016	0	0
155	CORN PL5	PX	-.016	-.016	0	0
156	CORN PL4	PX	-.016	-.016	0	0
157	CORN PL3	PX	-.016	-.016	0	0
158	CORN PL2	PX	-.016	-.016	0	0
159	CORN PL1	PX	-.016	-.016	0	0
160	ANGLE3	PX	-.007	-.007	0	0
161	ANGLE2	PX	-.007	-.007	0	0
162	ANGLE1	PX	-.007	-.007	0	0

Member Distributed Loads (BLC 8 : Wind Load (150))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.005	.005	0	0
2	SUP5	PY	.005	.005	0	0
3	SUP4	PY	.005	.005	0	0
4	SUP3	PY	.005	.005	0	0
5	SUP2	PY	.005	.005	0	0
6	SUP1	PY	.005	.005	0	0
7	SR12	PY	.001	.001	0	0
8	SR11	PY	.001	.001	0	0
9	SR10	PY	.001	.001	0	0
10	SR9	PY	.001	.001	0	0
11	SR8	PY	.001	.001	0	0
12	SR7	PY	.001	.001	0	0
13	SR6	PY	.001	.001	0	0
14	SR5	PY	.001	.001	0	0
15	SR4	PY	.001	.001	0	0
16	SR3	PY	.001	.001	0	0
17	SR2	PY	.001	.001	0	0
18	SR1	PY	.001	.001	0	0
19	SO3	PY	.007	.007	0	0
20	SO2	PY	.007	.007	0	0
21	SO1	PY	.007	.007	0	0
22	RPL6	PY	.013	.013	0	0
23	RPL5	PY	.013	.013	0	0
24	RPL4	PY	.013	.013	0	0
25	RPL3	PY	.013	.013	0	0
26	RPL2	PY	.013	.013	0	0
27	RPL1	PY	.013	.013	0	0

Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	RAIL3	PY	.005	.005	0	0
29	RAIL1	PY	.005	.005	0	0
30	RAIL2	PY	.002	.002	0	0
31	PL12	PY	.016	.016	0	0
32	PL11	PY	.016	.016	0	0
33	PL10	PY	.016	.016	0	0
34	PL9	PY	.016	.016	0	0
35	PL8	PY	.016	.016	0	0
36	PL7	PY	.016	.016	0	0
37	PL6	PY	.016	.016	0	0
38	PL5	PY	.016	.016	0	0
39	PL4	PY	.016	.016	0	0
40	PL3	PY	.016	.016	0	0
41	PL2	PY	.016	.016	0	0
42	PL1	PY	.016	.016	0	0
43	MP GAMMA5	PY	.008	.008	0	0
44	MP GAMMA4	PY	.008	.008	0	0
45	MP GAMMA3	PY	.008	.008	0	0
46	MP GAMMA2	PY	.008	.008	0	0
47	MP GAMMA1	PY	.008	.008	0	0
48	MP BETA5	PY	.008	.008	0	0
49	MP BETA4	PY	.008	.008	0	0
50	MP BETA3	PY	.008	.008	0	0
51	MP BETA2	PY	.008	.008	0	0
52	MP BETA1	PY	.008	.008	0	0
53	MP ALPHA5	PY	.008	.008	0	0
54	MP ALPHA4	PY	.008	.008	0	0
55	MP ALPHA3	PY	.008	.008	0	0
56	MP ALPHA2	PY	.008	.008	0	0
57	MP ALPHA1	PY	.008	.008	0	0
58	KICK3	PY	.013	.013	0	0
59	KICK2	PY	.013	.013	0	0
60	KICK1	PY	.013	.013	0	0
61	FACE3	PY	.007	.007	0	0
62	FACE1	PY	.007	.007	0	0
63	FACE2	PY	.004	.004	0	0
64	CR6	PY	.007	.007	0	0
65	CR5	PY	.007	.007	0	0
66	CR4	PY	.007	.007	0	0
67	CR3	PY	.007	.007	0	0
68	CR2	PY	.007	.007	0	0
69	CR1	PY	.007	.007	0	0
70	CORN PL9	PY	.016	.016	0	0
71	CORN PL8	PY	.016	.016	0	0
72	CORN PL7	PY	.016	.016	0	0
73	CORN PL6	PY	.016	.016	0	0
74	CORN PL5	PY	.016	.016	0	0
75	CORN PL4	PY	.016	.016	0	0
76	CORN PL3	PY	.016	.016	0	0
77	CORN PL2	PY	.016	.016	0	0
78	CORN PL1	PY	.016	.016	0	0
79	ANGLE3	PY	.007	.007	0	0

Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
80	ANGLE2	PY	.007	.007	0	0
81	ANGLE1	PY	.007	.007	0	0
82	SUP6	PX	-.003	-.003	0	0
83	SUP5	PX	-.003	-.003	0	0
84	SUP4	PX	-.003	-.003	0	0
85	SUP3	PX	-.003	-.003	0	0
86	SUP2	PX	-.003	-.003	0	0
87	SUP1	PX	-.003	-.003	0	0
88	SR12	PX	-.000745	-.000745	0	0
89	SR11	PX	-.000745	-.000745	0	0
90	SR10	PX	-.000745	-.000745	0	0
91	SR9	PX	-.000745	-.000745	0	0
92	SR8	PX	-.000745	-.000745	0	0
93	SR7	PX	-.000745	-.000745	0	0
94	SR6	PX	-.000745	-.000745	0	0
95	SR5	PX	-.000745	-.000745	0	0
96	SR4	PX	-.000745	-.000745	0	0
97	SR3	PX	-.000745	-.000745	0	0
98	SR2	PX	-.000745	-.000745	0	0
99	SR1	PX	-.000745	-.000745	0	0
100	SO3	PX	-.004	-.004	0	0
101	SO2	PX	-.004	-.004	0	0
102	SO1	PX	-.004	-.004	0	0
103	RPL6	PX	-.008	-.008	0	0
104	RPL5	PX	-.008	-.008	0	0
105	RPL4	PX	-.008	-.008	0	0
106	RPL3	PX	-.008	-.008	0	0
107	RPL2	PX	-.008	-.008	0	0
108	RPL1	PX	-.008	-.008	0	0
109	RAIL3	PX	-.003	-.003	0	0
110	RAIL1	PX	-.003	-.003	0	0
111	RAIL2	PX	-.001	-.001	0	0
112	PL12	PX	-.009	-.009	0	0
113	PL11	PX	-.009	-.009	0	0
114	PL10	PX	-.009	-.009	0	0
115	PL9	PX	-.009	-.009	0	0
116	PL8	PX	-.009	-.009	0	0
117	PL7	PX	-.009	-.009	0	0
118	PL6	PX	-.009	-.009	0	0
119	PL5	PX	-.009	-.009	0	0
120	PL4	PX	-.009	-.009	0	0
121	PL3	PX	-.009	-.009	0	0
122	PL2	PX	-.009	-.009	0	0
123	PL1	PX	-.009	-.009	0	0
124	MP GAMMA5	PX	-.004	-.004	0	0
125	MP GAMMA4	PX	-.004	-.004	0	0
126	MP GAMMA3	PX	-.004	-.004	0	0
127	MP GAMMA2	PX	-.004	-.004	0	0
128	MP GAMMA1	PX	-.004	-.004	0	0
129	MP BETA5	PX	-.004	-.004	0	0
130	MP BETA4	PX	-.004	-.004	0	0
131	MP BETA3	PX	-.004	-.004	0	0

Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
132	MP BETA2	PX	-.004	-.004	0	0
133	MP BETA1	PX	-.004	-.004	0	0
134	MP ALPHA5	PX	-.004	-.004	0	0
135	MP ALPHA4	PX	-.004	-.004	0	0
136	MP ALPHA3	PX	-.004	-.004	0	0
137	MP ALPHA2	PX	-.004	-.004	0	0
138	MP ALPHA1	PX	-.004	-.004	0	0
139	KICK3	PX	-.008	-.008	0	0
140	KICK2	PX	-.008	-.008	0	0
141	KICK1	PX	-.008	-.008	0	0
142	FACE3	PX	-.004	-.004	0	0
143	FACE1	PX	-.004	-.004	0	0
144	FACE2	PX	-.002	-.002	0	0
145	CR6	PX	-.004	-.004	0	0
146	CR5	PX	-.004	-.004	0	0
147	CR4	PX	-.004	-.004	0	0
148	CR3	PX	-.004	-.004	0	0
149	CR2	PX	-.004	-.004	0	0
150	CR1	PX	-.004	-.004	0	0
151	CORN PL9	PX	-.009	-.009	0	0
152	CORN PL8	PX	-.009	-.009	0	0
153	CORN PL7	PX	-.009	-.009	0	0
154	CORN PL6	PX	-.009	-.009	0	0
155	CORN PL5	PX	-.009	-.009	0	0
156	CORN PL4	PX	-.009	-.009	0	0
157	CORN PL3	PX	-.009	-.009	0	0
158	CORN PL2	PX	-.009	-.009	0	0
159	CORN PL1	PX	-.009	-.009	0	0
160	ANGLE3	PX	-.004	-.004	0	0
161	ANGLE2	PX	-.004	-.004	0	0
162	ANGLE1	PX	-.004	-.004	0	0

Member Distributed Loads (BLC 9 : Wind Load (180))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.006	.006	0	0
2	SUP5	PY	.006	.006	0	0
3	SUP4	PY	.006	.006	0	0
4	SUP3	PY	.006	.006	0	0
5	SUP2	PY	.006	.006	0	0
6	SUP1	PY	.006	.006	0	0
7	SR12	PY	.001	.001	0	0
8	SR11	PY	.001	.001	0	0
9	SR10	PY	.001	.001	0	0
10	SR9	PY	.001	.001	0	0
11	SR8	PY	.001	.001	0	0
12	SR7	PY	.001	.001	0	0
13	SR6	PY	.001	.001	0	0
14	SR5	PY	.001	.001	0	0
15	SR4	PY	.001	.001	0	0
16	SR3	PY	.001	.001	0	0
17	SR2	PY	.001	.001	0	0

Member Distributed Loads (BLC 9 : Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	SR1	PY	.001	.001	0	0
19	SO3	PY	.008	.008	0	0
20	SO2	PY	.008	.008	0	0
21	SO1	PY	.008	.008	0	0
22	RPL6	PY	.015	.015	0	0
23	RPL5	PY	.015	.015	0	0
24	RPL4	PY	.015	.015	0	0
25	RPL3	PY	.015	.015	0	0
26	RPL2	PY	.015	.015	0	0
27	RPL1	PY	.015	.015	0	0
28	RAIL3	PY	.006	.006	0	0
29	RAIL1	PY	.006	.006	0	0
30	RAIL2	PY	.003	.003	0	0
31	PL12	PY	.018	.018	0	0
32	PL11	PY	.018	.018	0	0
33	PL10	PY	.018	.018	0	0
34	PL9	PY	.018	.018	0	0
35	PL8	PY	.018	.018	0	0
36	PL7	PY	.018	.018	0	0
37	PL6	PY	.018	.018	0	0
38	PL5	PY	.018	.018	0	0
39	PL4	PY	.018	.018	0	0
40	PL3	PY	.018	.018	0	0
41	PL2	PY	.018	.018	0	0
42	PL1	PY	.018	.018	0	0
43	MP GAMMA5	PY	.009	.009	0	0
44	MP GAMMA4	PY	.009	.009	0	0
45	MP GAMMA3	PY	.009	.009	0	0
46	MP GAMMA2	PY	.009	.009	0	0
47	MP GAMMA1	PY	.009	.009	0	0
48	MP BETA5	PY	.009	.009	0	0
49	MP BETA4	PY	.009	.009	0	0
50	MP BETA3	PY	.009	.009	0	0
51	MP BETA2	PY	.009	.009	0	0
52	MP BETA1	PY	.009	.009	0	0
53	MP ALPHA5	PY	.009	.009	0	0
54	MP ALPHA4	PY	.009	.009	0	0
55	MP ALPHA3	PY	.009	.009	0	0
56	MP ALPHA2	PY	.009	.009	0	0
57	MP ALPHA1	PY	.009	.009	0	0
58	KICK3	PY	.015	.015	0	0
59	KICK2	PY	.015	.015	0	0
60	KICK1	PY	.015	.015	0	0
61	FACE3	PY	.008	.008	0	0
62	FACE1	PY	.008	.008	0	0
63	FACE2	PY	.004	.004	0	0
64	CR6	PY	.008	.008	0	0
65	CR5	PY	.008	.008	0	0
66	CR4	PY	.008	.008	0	0
67	CR3	PY	.008	.008	0	0
68	CR2	PY	.008	.008	0	0
69	CR1	PY	.008	.008	0	0

Member Distributed Loads (BLC 9 : Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	CORN PL9	PY	.018	.018	0	0
71	CORN PL8	PY	.018	.018	0	0
72	CORN PL7	PY	.018	.018	0	0
73	CORN PL6	PY	.018	.018	0	0
74	CORN PL5	PY	.018	.018	0	0
75	CORN PL4	PY	.018	.018	0	0
76	CORN PL3	PY	.018	.018	0	0
77	CORN PL2	PY	.018	.018	0	0
78	CORN PL1	PY	.018	.018	0	0
79	ANGLE3	PY	.008	.008	0	0
80	ANGLE2	PY	.008	.008	0	0
81	ANGLE1	PY	.008	.008	0	0

Member Distributed Loads (BLC 10 : Wind Load (210))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.005	.005	0	0
2	SUP5	PY	.005	.005	0	0
3	SUP4	PY	.005	.005	0	0
4	SUP3	PY	.005	.005	0	0
5	SUP2	PY	.005	.005	0	0
6	SUP1	PY	.005	.005	0	0
7	SR12	PY	.001	.001	0	0
8	SR11	PY	.001	.001	0	0
9	SR10	PY	.001	.001	0	0
10	SR9	PY	.001	.001	0	0
11	SR8	PY	.001	.001	0	0
12	SR7	PY	.001	.001	0	0
13	SR6	PY	.001	.001	0	0
14	SR5	PY	.001	.001	0	0
15	SR4	PY	.001	.001	0	0
16	SR3	PY	.001	.001	0	0
17	SR2	PY	.001	.001	0	0
18	SR1	PY	.001	.001	0	0
19	SO3	PY	.007	.007	0	0
20	SO2	PY	.007	.007	0	0
21	SO1	PY	.007	.007	0	0
22	RPL6	PY	.013	.013	0	0
23	RPL5	PY	.013	.013	0	0
24	RPL4	PY	.013	.013	0	0
25	RPL3	PY	.013	.013	0	0
26	RPL2	PY	.013	.013	0	0
27	RPL1	PY	.013	.013	0	0
28	RAIL1	PY	.005	.005	0	0
29	RAIL2	PY	.005	.005	0	0
30	RAIL3	PY	.002	.002	0	0
31	PL12	PY	.016	.016	0	0
32	PL11	PY	.016	.016	0	0
33	PL10	PY	.016	.016	0	0
34	PL9	PY	.016	.016	0	0
35	PL8	PY	.016	.016	0	0
36	PL7	PY	.016	.016	0	0

Member Distributed Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	PL6	PY	.016	.016	0	0
38	PL5	PY	.016	.016	0	0
39	PL4	PY	.016	.016	0	0
40	PL3	PY	.016	.016	0	0
41	PL2	PY	.016	.016	0	0
42	PL1	PY	.016	.016	0	0
43	MP GAMMA5	PY	.008	.008	0	0
44	MP GAMMA4	PY	.008	.008	0	0
45	MP GAMMA3	PY	.008	.008	0	0
46	MP GAMMA2	PY	.008	.008	0	0
47	MP GAMMA1	PY	.008	.008	0	0
48	MP BETA5	PY	.008	.008	0	0
49	MP BETA4	PY	.008	.008	0	0
50	MP BETA3	PY	.008	.008	0	0
51	MP BETA2	PY	.008	.008	0	0
52	MP BETA1	PY	.008	.008	0	0
53	MP ALPHA5	PY	.008	.008	0	0
54	MP ALPHA4	PY	.008	.008	0	0
55	MP ALPHA3	PY	.008	.008	0	0
56	MP ALPHA2	PY	.008	.008	0	0
57	MP ALPHA1	PY	.008	.008	0	0
58	KICK3	PY	.013	.013	0	0
59	KICK2	PY	.013	.013	0	0
60	KICK1	PY	.013	.013	0	0
61	FACE1	PY	.007	.007	0	0
62	FACE2	PY	.007	.007	0	0
63	FACE3	PY	.004	.004	0	0
64	CR6	PY	.007	.007	0	0
65	CR5	PY	.007	.007	0	0
66	CR4	PY	.007	.007	0	0
67	CR3	PY	.007	.007	0	0
68	CR2	PY	.007	.007	0	0
69	CR1	PY	.007	.007	0	0
70	CORN PL9	PY	.016	.016	0	0
71	CORN PL8	PY	.016	.016	0	0
72	CORN PL7	PY	.016	.016	0	0
73	CORN PL6	PY	.016	.016	0	0
74	CORN PL5	PY	.016	.016	0	0
75	CORN PL4	PY	.016	.016	0	0
76	CORN PL3	PY	.016	.016	0	0
77	CORN PL2	PY	.016	.016	0	0
78	CORN PL1	PY	.016	.016	0	0
79	ANGLE3	PY	.007	.007	0	0
80	ANGLE2	PY	.007	.007	0	0
81	ANGLE1	PY	.007	.007	0	0
82	SUP6	PX	.003	.003	0	0
83	SUP5	PX	.003	.003	0	0
84	SUP4	PX	.003	.003	0	0
85	SUP3	PX	.003	.003	0	0
86	SUP2	PX	.003	.003	0	0
87	SUP1	PX	.003	.003	0	0
88	SR12	PX	.000745	.000745	0	0

Member Distributed Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
89	SR11	PX	.000745	.000745	0	0
90	SR10	PX	.000745	.000745	0	0
91	SR9	PX	.000745	.000745	0	0
92	SR8	PX	.000745	.000745	0	0
93	SR7	PX	.000745	.000745	0	0
94	SR6	PX	.000745	.000745	0	0
95	SR5	PX	.000745	.000745	0	0
96	SR4	PX	.000745	.000745	0	0
97	SR3	PX	.000745	.000745	0	0
98	SR2	PX	.000745	.000745	0	0
99	SR1	PX	.000745	.000745	0	0
100	SO3	PX	.004	.004	0	0
101	SO2	PX	.004	.004	0	0
102	SO1	PX	.004	.004	0	0
103	RPL6	PX	.008	.008	0	0
104	RPL5	PX	.008	.008	0	0
105	RPL4	PX	.008	.008	0	0
106	RPL3	PX	.008	.008	0	0
107	RPL2	PX	.008	.008	0	0
108	RPL1	PX	.008	.008	0	0
109	RAIL1	PX	.003	.003	0	0
110	RAIL2	PX	.003	.003	0	0
111	RAIL3	PX	.001	.001	0	0
112	PL12	PX	.009	.009	0	0
113	PL11	PX	.009	.009	0	0
114	PL10	PX	.009	.009	0	0
115	PL9	PX	.009	.009	0	0
116	PL8	PX	.009	.009	0	0
117	PL7	PX	.009	.009	0	0
118	PL6	PX	.009	.009	0	0
119	PL5	PX	.009	.009	0	0
120	PL4	PX	.009	.009	0	0
121	PL3	PX	.009	.009	0	0
122	PL2	PX	.009	.009	0	0
123	PL1	PX	.009	.009	0	0
124	MP GAMMA5	PX	.004	.004	0	0
125	MP GAMMA4	PX	.004	.004	0	0
126	MP GAMMA3	PX	.004	.004	0	0
127	MP GAMMA2	PX	.004	.004	0	0
128	MP GAMMA1	PX	.004	.004	0	0
129	MP BETA5	PX	.004	.004	0	0
130	MP BETA4	PX	.004	.004	0	0
131	MP BETA3	PX	.004	.004	0	0
132	MP BETA2	PX	.004	.004	0	0
133	MP BETA1	PX	.004	.004	0	0
134	MP ALPHA5	PX	.004	.004	0	0
135	MP ALPHA4	PX	.004	.004	0	0
136	MP ALPHA3	PX	.004	.004	0	0
137	MP ALPHA2	PX	.004	.004	0	0
138	MP ALPHA1	PX	.004	.004	0	0
139	KICK3	PX	.008	.008	0	0
140	KICK2	PX	.008	.008	0	0

Member Distributed Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
141	KICK1	PX	.008	.008	0	0
142	FACE1	PX	.004	.004	0	0
143	FACE2	PX	.004	.004	0	0
144	FACE3	PX	.002	.002	0	0
145	CR6	PX	.004	.004	0	0
146	CR5	PX	.004	.004	0	0
147	CR4	PX	.004	.004	0	0
148	CR3	PX	.004	.004	0	0
149	CR2	PX	.004	.004	0	0
150	CR1	PX	.004	.004	0	0
151	CORN PL9	PX	.009	.009	0	0
152	CORN PL8	PX	.009	.009	0	0
153	CORN PL7	PX	.009	.009	0	0
154	CORN PL6	PX	.009	.009	0	0
155	CORN PL5	PX	.009	.009	0	0
156	CORN PL4	PX	.009	.009	0	0
157	CORN PL3	PX	.009	.009	0	0
158	CORN PL2	PX	.009	.009	0	0
159	CORN PL1	PX	.009	.009	0	0
160	ANGLE3	PX	.004	.004	0	0
161	ANGLE2	PX	.004	.004	0	0
162	ANGLE1	PX	.004	.004	0	0

Member Distributed Loads (BLC 11 : Wind Load (240))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.003	.003	0	0
2	SUP5	PY	.003	.003	0	0
3	SUP4	PY	.003	.003	0	0
4	SUP3	PY	.003	.003	0	0
5	SUP2	PY	.003	.003	0	0
6	SUP1	PY	.003	.003	0	0
7	SR12	PY	.000745	.000745	0	0
8	SR11	PY	.000745	.000745	0	0
9	SR10	PY	.000745	.000745	0	0
10	SR9	PY	.000745	.000745	0	0
11	SR8	PY	.000745	.000745	0	0
12	SR7	PY	.000745	.000745	0	0
13	SR6	PY	.000745	.000745	0	0
14	SR5	PY	.000745	.000745	0	0
15	SR4	PY	.000745	.000745	0	0
16	SR3	PY	.000745	.000745	0	0
17	SR2	PY	.000745	.000745	0	0
18	SR1	PY	.000745	.000745	0	0
19	SO3	PY	.004	.004	0	0
20	SO2	PY	.004	.004	0	0
21	SO1	PY	.004	.004	0	0
22	RPL6	PY	.008	.008	0	0
23	RPL5	PY	.008	.008	0	0
24	RPL4	PY	.008	.008	0	0
25	RPL3	PY	.008	.008	0	0
26	RPL2	PY	.008	.008	0	0

Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	RPL1	PY	.008	.008	0	0
28	RAIL1	PY	.003	.003	0	0
29	RAIL2	PY	.003	.003	0	0
30	RAIL3	PY	.001	.001	0	0
31	PL12	PY	.009	.009	0	0
32	PL11	PY	.009	.009	0	0
33	PL10	PY	.009	.009	0	0
34	PL9	PY	.009	.009	0	0
35	PL8	PY	.009	.009	0	0
36	PL7	PY	.009	.009	0	0
37	PL6	PY	.009	.009	0	0
38	PL5	PY	.009	.009	0	0
39	PL4	PY	.009	.009	0	0
40	PL3	PY	.009	.009	0	0
41	PL2	PY	.009	.009	0	0
42	PL1	PY	.009	.009	0	0
43	MP GAMMA5	PY	.004	.004	0	0
44	MP GAMMA4	PY	.004	.004	0	0
45	MP GAMMA3	PY	.004	.004	0	0
46	MP GAMMA2	PY	.004	.004	0	0
47	MP GAMMA1	PY	.004	.004	0	0
48	MP BETA5	PY	.004	.004	0	0
49	MP BETA4	PY	.004	.004	0	0
50	MP BETA3	PY	.004	.004	0	0
51	MP BETA2	PY	.004	.004	0	0
52	MP BETA1	PY	.004	.004	0	0
53	MP ALPHA5	PY	.004	.004	0	0
54	MP ALPHA4	PY	.004	.004	0	0
55	MP ALPHA3	PY	.004	.004	0	0
56	MP ALPHA2	PY	.004	.004	0	0
57	MP ALPHA1	PY	.004	.004	0	0
58	KICK3	PY	.008	.008	0	0
59	KICK2	PY	.008	.008	0	0
60	KICK1	PY	.008	.008	0	0
61	FACE1	PY	.004	.004	0	0
62	FACE2	PY	.004	.004	0	0
63	FACE3	PY	.002	.002	0	0
64	CR6	PY	.004	.004	0	0
65	CR5	PY	.004	.004	0	0
66	CR4	PY	.004	.004	0	0
67	CR3	PY	.004	.004	0	0
68	CR2	PY	.004	.004	0	0
69	CR1	PY	.004	.004	0	0
70	CORN PL9	PY	.009	.009	0	0
71	CORN PL8	PY	.009	.009	0	0
72	CORN PL7	PY	.009	.009	0	0
73	CORN PL6	PY	.009	.009	0	0
74	CORN PL5	PY	.009	.009	0	0
75	CORN PL4	PY	.009	.009	0	0
76	CORN PL3	PY	.009	.009	0	0
77	CORN PL2	PY	.009	.009	0	0
78	CORN PL1	PY	.009	.009	0	0

Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	ANGLE3	PY	.004	.004	0	0
80	ANGLE2	PY	.004	.004	0	0
81	ANGLE1	PY	.004	.004	0	0
82	SUP6	PX	.005	.005	0	0
83	SUP5	PX	.005	.005	0	0
84	SUP4	PX	.005	.005	0	0
85	SUP3	PX	.005	.005	0	0
86	SUP2	PX	.005	.005	0	0
87	SUP1	PX	.005	.005	0	0
88	SR12	PX	.001	.001	0	0
89	SR11	PX	.001	.001	0	0
90	SR10	PX	.001	.001	0	0
91	SR9	PX	.001	.001	0	0
92	SR8	PX	.001	.001	0	0
93	SR7	PX	.001	.001	0	0
94	SR6	PX	.001	.001	0	0
95	SR5	PX	.001	.001	0	0
96	SR4	PX	.001	.001	0	0
97	SR3	PX	.001	.001	0	0
98	SR2	PX	.001	.001	0	0
99	SR1	PX	.001	.001	0	0
100	SO3	PX	.007	.007	0	0
101	SO2	PX	.007	.007	0	0
102	SO1	PX	.007	.007	0	0
103	RPL6	PX	.013	.013	0	0
104	RPL5	PX	.013	.013	0	0
105	RPL4	PX	.013	.013	0	0
106	RPL3	PX	.013	.013	0	0
107	RPL2	PX	.013	.013	0	0
108	RPL1	PX	.013	.013	0	0
109	RAIL1	PX	.005	.005	0	0
110	RAIL2	PX	.005	.005	0	0
111	RAIL3	PX	.002	.002	0	0
112	PL12	PX	.016	.016	0	0
113	PL11	PX	.016	.016	0	0
114	PL10	PX	.016	.016	0	0
115	PL9	PX	.016	.016	0	0
116	PL8	PX	.016	.016	0	0
117	PL7	PX	.016	.016	0	0
118	PL6	PX	.016	.016	0	0
119	PL5	PX	.016	.016	0	0
120	PL4	PX	.016	.016	0	0
121	PL3	PX	.016	.016	0	0
122	PL2	PX	.016	.016	0	0
123	PL1	PX	.016	.016	0	0
124	MP GAMMA5	PX	.008	.008	0	0
125	MP GAMMA4	PX	.008	.008	0	0
126	MP GAMMA3	PX	.008	.008	0	0
127	MP GAMMA2	PX	.008	.008	0	0
128	MP GAMMA1	PX	.008	.008	0	0
129	MP BETA5	PX	.008	.008	0	0
130	MP BETA4	PX	.008	.008	0	0

Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
131	MP BETA3	PX	.008	.008	0	0
132	MP BETA2	PX	.008	.008	0	0
133	MP BETA1	PX	.008	.008	0	0
134	MP ALPHA5	PX	.008	.008	0	0
135	MP ALPHA4	PX	.008	.008	0	0
136	MP ALPHA3	PX	.008	.008	0	0
137	MP ALPHA2	PX	.008	.008	0	0
138	MP ALPHA1	PX	.008	.008	0	0
139	KICK3	PX	.013	.013	0	0
140	KICK2	PX	.013	.013	0	0
141	KICK1	PX	.013	.013	0	0
142	FACE1	PX	.007	.007	0	0
143	FACE2	PX	.007	.007	0	0
144	FACE3	PX	.004	.004	0	0
145	CR6	PX	.007	.007	0	0
146	CR5	PX	.007	.007	0	0
147	CR4	PX	.007	.007	0	0
148	CR3	PX	.007	.007	0	0
149	CR2	PX	.007	.007	0	0
150	CR1	PX	.007	.007	0	0
151	CORN PL9	PX	.016	.016	0	0
152	CORN PL8	PX	.016	.016	0	0
153	CORN PL7	PX	.016	.016	0	0
154	CORN PL6	PX	.016	.016	0	0
155	CORN PL5	PX	.016	.016	0	0
156	CORN PL4	PX	.016	.016	0	0
157	CORN PL3	PX	.016	.016	0	0
158	CORN PL2	PX	.016	.016	0	0
159	CORN PL1	PX	.016	.016	0	0
160	ANGLE3	PX	.007	.007	0	0
161	ANGLE2	PX	.007	.007	0	0
162	ANGLE1	PX	.007	.007	0	0

Member Distributed Loads (BLC 12 : Wind Load (270))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PX	.006	.006	0	0
2	SUP5	PX	.006	.006	0	0
3	SUP4	PX	.006	.006	0	0
4	SUP3	PX	.006	.006	0	0
5	SUP2	PX	.006	.006	0	0
6	SUP1	PX	.006	.006	0	0
7	SR12	PX	.001	.001	0	0
8	SR11	PX	.001	.001	0	0
9	SR10	PX	.001	.001	0	0
10	SR9	PX	.001	.001	0	0
11	SR8	PX	.001	.001	0	0
12	SR7	PX	.001	.001	0	0
13	SR6	PX	.001	.001	0	0
14	SR5	PX	.001	.001	0	0
15	SR4	PX	.001	.001	0	0
16	SR3	PX	.001	.001	0	0

Member Distributed Loads (BLC 12 : Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	SR2	PX	.001	.001	0	0
18	SR1	PX	.001	.001	0	0
19	SO3	PX	.008	.008	0	0
20	SO2	PX	.008	.008	0	0
21	SO1	PX	.008	.008	0	0
22	RPL6	PX	.015	.015	0	0
23	RPL5	PX	.015	.015	0	0
24	RPL4	PX	.015	.015	0	0
25	RPL3	PX	.015	.015	0	0
26	RPL2	PX	.015	.015	0	0
27	RPL1	PX	.015	.015	0	0
28	RAIL1	PX	.006	.006	0	0
29	RAIL2	PX	.006	.006	0	0
30	RAIL3	PX	.003	.003	0	0
31	PL12	PX	.018	.018	0	0
32	PL11	PX	.018	.018	0	0
33	PL10	PX	.018	.018	0	0
34	PL9	PX	.018	.018	0	0
35	PL8	PX	.018	.018	0	0
36	PL7	PX	.018	.018	0	0
37	PL6	PX	.018	.018	0	0
38	PL5	PX	.018	.018	0	0
39	PL4	PX	.018	.018	0	0
40	PL3	PX	.018	.018	0	0
41	PL2	PX	.018	.018	0	0
42	PL1	PX	.018	.018	0	0
43	MP GAMMA5	PX	.009	.009	0	0
44	MP GAMMA4	PX	.009	.009	0	0
45	MP GAMMA3	PX	.009	.009	0	0
46	MP GAMMA2	PX	.009	.009	0	0
47	MP GAMMA1	PX	.009	.009	0	0
48	MP BETA5	PX	.009	.009	0	0
49	MP BETA4	PX	.009	.009	0	0
50	MP BETA3	PX	.009	.009	0	0
51	MP BETA2	PX	.009	.009	0	0
52	MP BETA1	PX	.009	.009	0	0
53	MP ALPHA5	PX	.009	.009	0	0
54	MP ALPHA4	PX	.009	.009	0	0
55	MP ALPHA3	PX	.009	.009	0	0
56	MP ALPHA2	PX	.009	.009	0	0
57	MP ALPHA1	PX	.009	.009	0	0
58	KICK3	PX	.015	.015	0	0
59	KICK2	PX	.015	.015	0	0
60	KICK1	PX	.015	.015	0	0
61	FACE1	PX	.008	.008	0	0
62	FACE2	PX	.008	.008	0	0
63	FACE3	PX	.004	.004	0	0
64	CR6	PX	.008	.008	0	0
65	CR5	PX	.008	.008	0	0
66	CR4	PX	.008	.008	0	0
67	CR3	PX	.008	.008	0	0
68	CR2	PX	.008	.008	0	0

Member Distributed Loads (BLC 12 : Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	CR1	PX	.008	.008	0	0
70	CORN PL9	PX	.018	.018	0	0
71	CORN PL8	PX	.018	.018	0	0
72	CORN PL7	PX	.018	.018	0	0
73	CORN PL6	PX	.018	.018	0	0
74	CORN PL5	PX	.018	.018	0	0
75	CORN PL4	PX	.018	.018	0	0
76	CORN PL3	PX	.018	.018	0	0
77	CORN PL2	PX	.018	.018	0	0
78	CORN PL1	PX	.018	.018	0	0
79	ANGLE3	PX	.008	.008	0	0
80	ANGLE2	PX	.008	.008	0	0
81	ANGLE1	PX	.008	.008	0	0

Member Distributed Loads (BLC 13 : Wind Load (300))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.003	-.003	0	0
2	SUP5	PY	-.003	-.003	0	0
3	SUP4	PY	-.003	-.003	0	0
4	SUP3	PY	-.003	-.003	0	0
5	SUP2	PY	-.003	-.003	0	0
6	SUP1	PY	-.003	-.003	0	0
7	SR12	PY	-.000745	-.000745	0	0
8	SR11	PY	-.000745	-.000745	0	0
9	SR10	PY	-.000745	-.000745	0	0
10	SR9	PY	-.000745	-.000745	0	0
11	SR8	PY	-.000745	-.000745	0	0
12	SR7	PY	-.000745	-.000745	0	0
13	SR6	PY	-.000745	-.000745	0	0
14	SR5	PY	-.000745	-.000745	0	0
15	SR4	PY	-.000745	-.000745	0	0
16	SR3	PY	-.000745	-.000745	0	0
17	SR2	PY	-.000745	-.000745	0	0
18	SR1	PY	-.000745	-.000745	0	0
19	SO3	PY	-.004	-.004	0	0
20	SO2	PY	-.004	-.004	0	0
21	SO1	PY	-.004	-.004	0	0
22	RPL6	PY	-.008	-.008	0	0
23	RPL5	PY	-.008	-.008	0	0
24	RPL4	PY	-.008	-.008	0	0
25	RPL3	PY	-.008	-.008	0	0
26	RPL2	PY	-.008	-.008	0	0
27	RPL1	PY	-.008	-.008	0	0
28	RAIL1	PY	-.003	-.003	0	0
29	RAIL2	PY	-.003	-.003	0	0
30	RAIL3	PY	-.001	-.001	0	0
31	PL12	PY	-.009	-.009	0	0
32	PL11	PY	-.009	-.009	0	0
33	PL10	PY	-.009	-.009	0	0
34	PL9	PY	-.009	-.009	0	0
35	PL8	PY	-.009	-.009	0	0

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	PL7	PY	-.009	-.009	0	0
37	PL6	PY	-.009	-.009	0	0
38	PL5	PY	-.009	-.009	0	0
39	PL4	PY	-.009	-.009	0	0
40	PL3	PY	-.009	-.009	0	0
41	PL2	PY	-.009	-.009	0	0
42	PL1	PY	-.009	-.009	0	0
43	MP GAMMA5	PY	-.004	-.004	0	0
44	MP GAMMA4	PY	-.004	-.004	0	0
45	MP GAMMA3	PY	-.004	-.004	0	0
46	MP GAMMA2	PY	-.004	-.004	0	0
47	MP GAMMA1	PY	-.004	-.004	0	0
48	MP BETA5	PY	-.004	-.004	0	0
49	MP BETA4	PY	-.004	-.004	0	0
50	MP BETA3	PY	-.004	-.004	0	0
51	MP BETA2	PY	-.004	-.004	0	0
52	MP BETA1	PY	-.004	-.004	0	0
53	MP ALPHA5	PY	-.004	-.004	0	0
54	MP ALPHA4	PY	-.004	-.004	0	0
55	MP ALPHA3	PY	-.004	-.004	0	0
56	MP ALPHA2	PY	-.004	-.004	0	0
57	MP ALPHA1	PY	-.004	-.004	0	0
58	KICK3	PY	-.008	-.008	0	0
59	KICK2	PY	-.008	-.008	0	0
60	KICK1	PY	-.008	-.008	0	0
61	FACE1	PY	-.004	-.004	0	0
62	FACE2	PY	-.004	-.004	0	0
63	FACE3	PY	-.002	-.002	0	0
64	CR6	PY	-.004	-.004	0	0
65	CR5	PY	-.004	-.004	0	0
66	CR4	PY	-.004	-.004	0	0
67	CR3	PY	-.004	-.004	0	0
68	CR2	PY	-.004	-.004	0	0
69	CR1	PY	-.004	-.004	0	0
70	CORN PL9	PY	-.009	-.009	0	0
71	CORN PL8	PY	-.009	-.009	0	0
72	CORN PL7	PY	-.009	-.009	0	0
73	CORN PL6	PY	-.009	-.009	0	0
74	CORN PL5	PY	-.009	-.009	0	0
75	CORN PL4	PY	-.009	-.009	0	0
76	CORN PL3	PY	-.009	-.009	0	0
77	CORN PL2	PY	-.009	-.009	0	0
78	CORN PL1	PY	-.009	-.009	0	0
79	ANGLE3	PY	-.004	-.004	0	0
80	ANGLE2	PY	-.004	-.004	0	0
81	ANGLE1	PY	-.004	-.004	0	0
82	SUP6	PX	.005	.005	0	0
83	SUP5	PX	.005	.005	0	0
84	SUP4	PX	.005	.005	0	0
85	SUP3	PX	.005	.005	0	0
86	SUP2	PX	.005	.005	0	0
87	SUP1	PX	.005	.005	0	0

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	SR12	PX	.001	.001	0	0
89	SR11	PX	.001	.001	0	0
90	SR10	PX	.001	.001	0	0
91	SR9	PX	.001	.001	0	0
92	SR8	PX	.001	.001	0	0
93	SR7	PX	.001	.001	0	0
94	SR6	PX	.001	.001	0	0
95	SR5	PX	.001	.001	0	0
96	SR4	PX	.001	.001	0	0
97	SR3	PX	.001	.001	0	0
98	SR2	PX	.001	.001	0	0
99	SR1	PX	.001	.001	0	0
100	SO3	PX	.007	.007	0	0
101	SO2	PX	.007	.007	0	0
102	SO1	PX	.007	.007	0	0
103	RPL6	PX	.013	.013	0	0
104	RPL5	PX	.013	.013	0	0
105	RPL4	PX	.013	.013	0	0
106	RPL3	PX	.013	.013	0	0
107	RPL2	PX	.013	.013	0	0
108	RPL1	PX	.013	.013	0	0
109	RAIL1	PX	.005	.005	0	0
110	RAIL2	PX	.005	.005	0	0
111	RAIL3	PX	.002	.002	0	0
112	PL12	PX	.016	.016	0	0
113	PL11	PX	.016	.016	0	0
114	PL10	PX	.016	.016	0	0
115	PL9	PX	.016	.016	0	0
116	PL8	PX	.016	.016	0	0
117	PL7	PX	.016	.016	0	0
118	PL6	PX	.016	.016	0	0
119	PL5	PX	.016	.016	0	0
120	PL4	PX	.016	.016	0	0
121	PL3	PX	.016	.016	0	0
122	PL2	PX	.016	.016	0	0
123	PL1	PX	.016	.016	0	0
124	MP GAMMA5	PX	.008	.008	0	0
125	MP GAMMA4	PX	.008	.008	0	0
126	MP GAMMA3	PX	.008	.008	0	0
127	MP GAMMA2	PX	.008	.008	0	0
128	MP GAMMA1	PX	.008	.008	0	0
129	MP BETA5	PX	.008	.008	0	0
130	MP BETA4	PX	.008	.008	0	0
131	MP BETA3	PX	.008	.008	0	0
132	MP BETA2	PX	.008	.008	0	0
133	MP BETA1	PX	.008	.008	0	0
134	MP ALPHA5	PX	.008	.008	0	0
135	MP ALPHA4	PX	.008	.008	0	0
136	MP ALPHA3	PX	.008	.008	0	0
137	MP ALPHA2	PX	.008	.008	0	0
138	MP ALPHA1	PX	.008	.008	0	0
139	KICK3	PX	.013	.013	0	0

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
140	KICK2	PX	.013	.013	0	0
141	KICK1	PX	.013	.013	0	0
142	FACE1	PX	.007	.007	0	0
143	FACE2	PX	.007	.007	0	0
144	FACE3	PX	.004	.004	0	0
145	CR6	PX	.007	.007	0	0
146	CR5	PX	.007	.007	0	0
147	CR4	PX	.007	.007	0	0
148	CR3	PX	.007	.007	0	0
149	CR2	PX	.007	.007	0	0
150	CR1	PX	.007	.007	0	0
151	CORN PL9	PX	.016	.016	0	0
152	CORN PL8	PX	.016	.016	0	0
153	CORN PL7	PX	.016	.016	0	0
154	CORN PL6	PX	.016	.016	0	0
155	CORN PL5	PX	.016	.016	0	0
156	CORN PL4	PX	.016	.016	0	0
157	CORN PL3	PX	.016	.016	0	0
158	CORN PL2	PX	.016	.016	0	0
159	CORN PL1	PX	.016	.016	0	0
160	ANGLE3	PX	.007	.007	0	0
161	ANGLE2	PX	.007	.007	0	0
162	ANGLE1	PX	.007	.007	0	0

Member Distributed Loads (BLC 14 : Wind Load (330))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.005	-.005	0	0
2	SUP5	PY	-.005	-.005	0	0
3	SUP4	PY	-.005	-.005	0	0
4	SUP3	PY	-.005	-.005	0	0
5	SUP2	PY	-.005	-.005	0	0
6	SUP1	PY	-.005	-.005	0	0
7	SR12	PY	-.001	-.001	0	0
8	SR11	PY	-.001	-.001	0	0
9	SR10	PY	-.001	-.001	0	0
10	SR9	PY	-.001	-.001	0	0
11	SR8	PY	-.001	-.001	0	0
12	SR7	PY	-.001	-.001	0	0
13	SR6	PY	-.001	-.001	0	0
14	SR5	PY	-.001	-.001	0	0
15	SR4	PY	-.001	-.001	0	0
16	SR3	PY	-.001	-.001	0	0
17	SR2	PY	-.001	-.001	0	0
18	SR1	PY	-.001	-.001	0	0
19	SO3	PY	-.007	-.007	0	0
20	SO2	PY	-.007	-.007	0	0
21	SO1	PY	-.007	-.007	0	0
22	RPL6	PY	-.013	-.013	0	0
23	RPL5	PY	-.013	-.013	0	0
24	RPL4	PY	-.013	-.013	0	0
25	RPL3	PY	-.013	-.013	0	0

Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	RPL2	PY	-.013	-.013	0	0
27	RPL1	PY	-.013	-.013	0	0
28	RAIL3	PY	-.005	-.005	0	0
29	RAIL2	PY	-.005	-.005	0	0
30	RAIL1	PY	-.002	-.002	0	0
31	PL12	PY	-.016	-.016	0	0
32	PL11	PY	-.016	-.016	0	0
33	PL10	PY	-.016	-.016	0	0
34	PL9	PY	-.016	-.016	0	0
35	PL8	PY	-.016	-.016	0	0
36	PL7	PY	-.016	-.016	0	0
37	PL6	PY	-.016	-.016	0	0
38	PL5	PY	-.016	-.016	0	0
39	PL4	PY	-.016	-.016	0	0
40	PL3	PY	-.016	-.016	0	0
41	PL2	PY	-.016	-.016	0	0
42	PL1	PY	-.016	-.016	0	0
43	MP GAMMA5	PY	-.008	-.008	0	0
44	MP GAMMA4	PY	-.008	-.008	0	0
45	MP GAMMA3	PY	-.008	-.008	0	0
46	MP GAMMA2	PY	-.008	-.008	0	0
47	MP GAMMA1	PY	-.008	-.008	0	0
48	MP BETA5	PY	-.008	-.008	0	0
49	MP BETA4	PY	-.008	-.008	0	0
50	MP BETA3	PY	-.008	-.008	0	0
51	MP BETA2	PY	-.008	-.008	0	0
52	MP BETA1	PY	-.008	-.008	0	0
53	MP ALPHA5	PY	-.008	-.008	0	0
54	MP ALPHA4	PY	-.008	-.008	0	0
55	MP ALPHA3	PY	-.008	-.008	0	0
56	MP ALPHA2	PY	-.008	-.008	0	0
57	MP ALPHA1	PY	-.008	-.008	0	0
58	KICK3	PY	-.013	-.013	0	0
59	KICK2	PY	-.013	-.013	0	0
60	KICK1	PY	-.013	-.013	0	0
61	FACE3	PY	-.007	-.007	0	0
62	FACE2	PY	-.007	-.007	0	0
63	FACE1	PY	-.004	-.004	0	0
64	CR6	PY	-.007	-.007	0	0
65	CR5	PY	-.007	-.007	0	0
66	CR4	PY	-.007	-.007	0	0
67	CR3	PY	-.007	-.007	0	0
68	CR2	PY	-.007	-.007	0	0
69	CR1	PY	-.007	-.007	0	0
70	CORN PL9	PY	-.016	-.016	0	0
71	CORN PL8	PY	-.016	-.016	0	0
72	CORN PL7	PY	-.016	-.016	0	0
73	CORN PL6	PY	-.016	-.016	0	0
74	CORN PL5	PY	-.016	-.016	0	0
75	CORN PL4	PY	-.016	-.016	0	0
76	CORN PL3	PY	-.016	-.016	0	0
77	CORN PL2	PY	-.016	-.016	0	0

Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	CORN PL1	PY	-.016	-.016	0	0
79	ANGLE3	PY	-.007	-.007	0	0
80	ANGLE2	PY	-.007	-.007	0	0
81	ANGLE1	PY	-.007	-.007	0	0
82	SUP6	PX	.003	.003	0	0
83	SUP5	PX	.003	.003	0	0
84	SUP4	PX	.003	.003	0	0
85	SUP3	PX	.003	.003	0	0
86	SUP2	PX	.003	.003	0	0
87	SUP1	PX	.003	.003	0	0
88	SR12	PX	.000745	.000745	0	0
89	SR11	PX	.000745	.000745	0	0
90	SR10	PX	.000745	.000745	0	0
91	SR9	PX	.000745	.000745	0	0
92	SR8	PX	.000745	.000745	0	0
93	SR7	PX	.000745	.000745	0	0
94	SR6	PX	.000745	.000745	0	0
95	SR5	PX	.000745	.000745	0	0
96	SR4	PX	.000745	.000745	0	0
97	SR3	PX	.000745	.000745	0	0
98	SR2	PX	.000745	.000745	0	0
99	SR1	PX	.000745	.000745	0	0
100	SO3	PX	.004	.004	0	0
101	SO2	PX	.004	.004	0	0
102	SO1	PX	.004	.004	0	0
103	RPL6	PX	.008	.008	0	0
104	RPL5	PX	.008	.008	0	0
105	RPL4	PX	.008	.008	0	0
106	RPL3	PX	.008	.008	0	0
107	RPL2	PX	.008	.008	0	0
108	RPL1	PX	.008	.008	0	0
109	RAIL3	PX	.003	.003	0	0
110	RAIL2	PX	.003	.003	0	0
111	RAIL1	PX	.001	.001	0	0
112	PL12	PX	.009	.009	0	0
113	PL11	PX	.009	.009	0	0
114	PL10	PX	.009	.009	0	0
115	PL9	PX	.009	.009	0	0
116	PL8	PX	.009	.009	0	0
117	PL7	PX	.009	.009	0	0
118	PL6	PX	.009	.009	0	0
119	PL5	PX	.009	.009	0	0
120	PL4	PX	.009	.009	0	0
121	PL3	PX	.009	.009	0	0
122	PL2	PX	.009	.009	0	0
123	PL1	PX	.009	.009	0	0
124	MP GAMMA5	PX	.004	.004	0	0
125	MP GAMMA4	PX	.004	.004	0	0
126	MP GAMMA3	PX	.004	.004	0	0
127	MP GAMMA2	PX	.004	.004	0	0
128	MP GAMMA1	PX	.004	.004	0	0
129	MP BETA5	PX	.004	.004	0	0

Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
130	MP BETA4	PX	.004	.004	0	0
131	MP BETA3	PX	.004	.004	0	0
132	MP BETA2	PX	.004	.004	0	0
133	MP BETA1	PX	.004	.004	0	0
134	MP ALPHA5	PX	.004	.004	0	0
135	MP ALPHA4	PX	.004	.004	0	0
136	MP ALPHA3	PX	.004	.004	0	0
137	MP ALPHA2	PX	.004	.004	0	0
138	MP ALPHA1	PX	.004	.004	0	0
139	KICK3	PX	.008	.008	0	0
140	KICK2	PX	.008	.008	0	0
141	KICK1	PX	.008	.008	0	0
142	FACE3	PX	.004	.004	0	0
143	FACE2	PX	.004	.004	0	0
144	FACE1	PX	.002	.002	0	0
145	CR6	PX	.004	.004	0	0
146	CR5	PX	.004	.004	0	0
147	CR4	PX	.004	.004	0	0
148	CR3	PX	.004	.004	0	0
149	CR2	PX	.004	.004	0	0
150	CR1	PX	.004	.004	0	0
151	CORN PL9	PX	.009	.009	0	0
152	CORN PL8	PX	.009	.009	0	0
153	CORN PL7	PX	.009	.009	0	0
154	CORN PL6	PX	.009	.009	0	0
155	CORN PL5	PX	.009	.009	0	0
156	CORN PL4	PX	.009	.009	0	0
157	CORN PL3	PX	.009	.009	0	0
158	CORN PL2	PX	.009	.009	0	0
159	CORN PL1	PX	.009	.009	0	0
160	ANGLE3	PX	.004	.004	0	0
161	ANGLE2	PX	.004	.004	0	0
162	ANGLE1	PX	.004	.004	0	0

Member Distributed Loads (BLC 15 : Maintanence (0))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.000397	-.000397	0	0
2	SUP5	PY	-.000397	-.000397	0	0
3	SUP4	PY	-.000397	-.000397	0	0
4	SUP3	PY	-.000397	-.000397	0	0
5	SUP2	PY	-.000397	-.000397	0	0
6	SUP1	PY	-.000397	-.000397	0	0
7	SR12	PY	-9.6e-5	-9.6e-5	0	0
8	SR11	PY	-9.6e-5	-9.6e-5	0	0
9	SR10	PY	-9.6e-5	-9.6e-5	0	0
10	SR9	PY	-9.6e-5	-9.6e-5	0	0
11	SR8	PY	-9.6e-5	-9.6e-5	0	0
12	SR7	PY	-9.6e-5	-9.6e-5	0	0
13	SR6	PY	-9.6e-5	-9.6e-5	0	0
14	SR5	PY	-9.6e-5	-9.6e-5	0	0
15	SR4	PY	-9.6e-5	-9.6e-5	0	0

Member Distributed Loads (BLC 15 : Maintanence (0)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	SR3	PY	-9.6e-5	-9.6e-5	0	0
17	SR2	PY	-9.6e-5	-9.6e-5	0	0
18	SR1	PY	-9.6e-5	-9.6e-5	0	0
19	SO3	PY	-.000496	-.000496	0	0
20	SO2	PY	-.000496	-.000496	0	0
21	SO1	PY	-.000496	-.000496	0	0
22	RPL6	PY	-.000991	-.000991	0	0
23	RPL5	PY	-.000991	-.000991	0	0
24	RPL4	PY	-.000991	-.000991	0	0
25	RPL3	PY	-.000991	-.000991	0	0
26	RPL2	PY	-.000991	-.000991	0	0
27	RPL1	PY	-.000991	-.000991	0	0
28	RAIL3	PY	-.000366	-.000366	0	0
29	RAIL2	PY	-.000366	-.000366	0	0
30	RAIL1	PY	-.000183	-.000183	0	0
31	PL12	PY	-.001	-.001	0	0
32	PL11	PY	-.001	-.001	0	0
33	PL10	PY	-.001	-.001	0	0
34	PL9	PY	-.001	-.001	0	0
35	PL8	PY	-.001	-.001	0	0
36	PL7	PY	-.001	-.001	0	0
37	PL6	PY	-.001	-.001	0	0
38	PL5	PY	-.001	-.001	0	0
39	PL4	PY	-.001	-.001	0	0
40	PL3	PY	-.001	-.001	0	0
41	PL2	PY	-.001	-.001	0	0
42	PL1	PY	-.001	-.001	0	0
43	MP GAMMA5	PY	-.000565	-.000565	0	0
44	MP GAMMA4	PY	-.000565	-.000565	0	0
45	MP GAMMA3	PY	-.000565	-.000565	0	0
46	MP GAMMA2	PY	-.000565	-.000565	0	0
47	MP GAMMA1	PY	-.000565	-.000565	0	0
48	MP BETA5	PY	-.000565	-.000565	0	0
49	MP BETA4	PY	-.000565	-.000565	0	0
50	MP BETA3	PY	-.000565	-.000565	0	0
51	MP BETA2	PY	-.000565	-.000565	0	0
52	MP BETA1	PY	-.000565	-.000565	0	0
53	MP ALPHA5	PY	-.000565	-.000565	0	0
54	MP ALPHA4	PY	-.000565	-.000565	0	0
55	MP ALPHA3	PY	-.000565	-.000565	0	0
56	MP ALPHA2	PY	-.000565	-.000565	0	0
57	MP ALPHA1	PY	-.000565	-.000565	0	0
58	KICK3	PY	-.000991	-.000991	0	0
59	KICK2	PY	-.000991	-.000991	0	0
60	KICK1	PY	-.000991	-.000991	0	0
61	FACE3	PY	-.000539	-.000539	0	0
62	FACE2	PY	-.000539	-.000539	0	0
63	FACE1	PY	-.00027	-.00027	0	0
64	CR6	PY	-.000496	-.000496	0	0
65	CR5	PY	-.000496	-.000496	0	0
66	CR4	PY	-.000496	-.000496	0	0
67	CR3	PY	-.000496	-.000496	0	0

Member Distributed Loads (BLC 15 : Maintanence (0)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
68	CR2	PY	-.000496	-.000496	0	0
69	CR1	PY	-.000496	-.000496	0	0
70	CORN PL9	PY	-.001	-.001	0	0
71	CORN PL8	PY	-.001	-.001	0	0
72	CORN PL7	PY	-.001	-.001	0	0
73	CORN PL6	PY	-.001	-.001	0	0
74	CORN PL5	PY	-.001	-.001	0	0
75	CORN PL4	PY	-.001	-.001	0	0
76	CORN PL3	PY	-.001	-.001	0	0
77	CORN PL2	PY	-.001	-.001	0	0
78	CORN PL1	PY	-.001	-.001	0	0
79	ANGLE3	PY	-.000496	-.000496	0	0
80	ANGLE2	PY	-.000496	-.000496	0	0
81	ANGLE1	PY	-.000496	-.000496	0	0

Member Distributed Loads (BLC 16 : Maintanence (30))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.000343	-.000343	0	0
2	SUP5	PY	-.000343	-.000343	0	0
3	SUP4	PY	-.000343	-.000343	0	0
4	SUP3	PY	-.000343	-.000343	0	0
5	SUP2	PY	-.000343	-.000343	0	0
6	SUP1	PY	-.000343	-.000343	0	0
7	SR12	PY	-8.3e-5	-8.3e-5	0	0
8	SR11	PY	-8.3e-5	-8.3e-5	0	0
9	SR10	PY	-8.3e-5	-8.3e-5	0	0
10	SR9	PY	-8.3e-5	-8.3e-5	0	0
11	SR8	PY	-8.3e-5	-8.3e-5	0	0
12	SR7	PY	-8.3e-5	-8.3e-5	0	0
13	SR6	PY	-8.3e-5	-8.3e-5	0	0
14	SR5	PY	-8.3e-5	-8.3e-5	0	0
15	SR4	PY	-8.3e-5	-8.3e-5	0	0
16	SR3	PY	-8.3e-5	-8.3e-5	0	0
17	SR2	PY	-8.3e-5	-8.3e-5	0	0
18	SR1	PY	-8.3e-5	-8.3e-5	0	0
19	SO3	PY	-.000429	-.000429	0	0
20	SO2	PY	-.000429	-.000429	0	0
21	SO1	PY	-.000429	-.000429	0	0
22	RPL6	PY	-.000859	-.000859	0	0
23	RPL5	PY	-.000859	-.000859	0	0
24	RPL4	PY	-.000859	-.000859	0	0
25	RPL3	PY	-.000859	-.000859	0	0
26	RPL2	PY	-.000859	-.000859	0	0
27	RPL1	PY	-.000859	-.000859	0	0
28	RAIL3	PY	-.000317	-.000317	0	0
29	RAIL2	PY	-.000317	-.000317	0	0
30	RAIL1	PY	-.000158	-.000158	0	0
31	PL12	PY	-.001	-.001	0	0
32	PL11	PY	-.001	-.001	0	0
33	PL10	PY	-.001	-.001	0	0
34	PL9	PY	-.001	-.001	0	0

Member Distributed Loads (BLC 16 : Maintanence (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	PL8	PY	-.001	-.001	0	0
36	PL7	PY	-.001	-.001	0	0
37	PL6	PY	-.001	-.001	0	0
38	PL5	PY	-.001	-.001	0	0
39	PL4	PY	-.001	-.001	0	0
40	PL3	PY	-.001	-.001	0	0
41	PL2	PY	-.001	-.001	0	0
42	PL1	PY	-.001	-.001	0	0
43	MP GAMMA5	PY	-.000489	-.000489	0	0
44	MP GAMMA4	PY	-.000489	-.000489	0	0
45	MP GAMMA3	PY	-.000489	-.000489	0	0
46	MP GAMMA2	PY	-.000489	-.000489	0	0
47	MP GAMMA1	PY	-.000489	-.000489	0	0
48	MP BETA5	PY	-.000489	-.000489	0	0
49	MP BETA4	PY	-.000489	-.000489	0	0
50	MP BETA3	PY	-.000489	-.000489	0	0
51	MP BETA2	PY	-.000489	-.000489	0	0
52	MP BETA1	PY	-.000489	-.000489	0	0
53	MP ALPHA5	PY	-.000489	-.000489	0	0
54	MP ALPHA4	PY	-.000489	-.000489	0	0
55	MP ALPHA3	PY	-.000489	-.000489	0	0
56	MP ALPHA2	PY	-.000489	-.000489	0	0
57	MP ALPHA1	PY	-.000489	-.000489	0	0
58	KICK3	PY	-.000859	-.000859	0	0
59	KICK2	PY	-.000859	-.000859	0	0
60	KICK1	PY	-.000859	-.000859	0	0
61	FACE3	PY	-.000467	-.000467	0	0
62	FACE2	PY	-.000467	-.000467	0	0
63	FACE1	PY	-.000234	-.000234	0	0
64	CR6	PY	-.000429	-.000429	0	0
65	CR5	PY	-.000429	-.000429	0	0
66	CR4	PY	-.000429	-.000429	0	0
67	CR3	PY	-.000429	-.000429	0	0
68	CR2	PY	-.000429	-.000429	0	0
69	CR1	PY	-.000429	-.000429	0	0
70	CORN PL9	PY	-.001	-.001	0	0
71	CORN PL8	PY	-.001	-.001	0	0
72	CORN PL7	PY	-.001	-.001	0	0
73	CORN PL6	PY	-.001	-.001	0	0
74	CORN PL5	PY	-.001	-.001	0	0
75	CORN PL4	PY	-.001	-.001	0	0
76	CORN PL3	PY	-.001	-.001	0	0
77	CORN PL2	PY	-.001	-.001	0	0
78	CORN PL1	PY	-.001	-.001	0	0
79	ANGLE3	PY	-.000429	-.000429	0	0
80	ANGLE2	PY	-.000429	-.000429	0	0
81	ANGLE1	PY	-.000429	-.000429	0	0
82	SUP6	PX	-.000198	-.000198	0	0
83	SUP5	PX	-.000198	-.000198	0	0
84	SUP4	PX	-.000198	-.000198	0	0
85	SUP3	PX	-.000198	-.000198	0	0
86	SUP2	PX	-.000198	-.000198	0	0

Member Distributed Loads (BLC 16 : Maintanence (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	SUP1	PX	-.000198	-.000198	0	0
88	SR12	PX	-4.8e-5	-4.8e-5	0	0
89	SR11	PX	-4.8e-5	-4.8e-5	0	0
90	SR10	PX	-4.8e-5	-4.8e-5	0	0
91	SR9	PX	-4.8e-5	-4.8e-5	0	0
92	SR8	PX	-4.8e-5	-4.8e-5	0	0
93	SR7	PX	-4.8e-5	-4.8e-5	0	0
94	SR6	PX	-4.8e-5	-4.8e-5	0	0
95	SR5	PX	-4.8e-5	-4.8e-5	0	0
96	SR4	PX	-4.8e-5	-4.8e-5	0	0
97	SR3	PX	-4.8e-5	-4.8e-5	0	0
98	SR2	PX	-4.8e-5	-4.8e-5	0	0
99	SR1	PX	-4.8e-5	-4.8e-5	0	0
100	SO3	PX	-.000248	-.000248	0	0
101	SO2	PX	-.000248	-.000248	0	0
102	SO1	PX	-.000248	-.000248	0	0
103	RPL6	PX	-.000496	-.000496	0	0
104	RPL5	PX	-.000496	-.000496	0	0
105	RPL4	PX	-.000496	-.000496	0	0
106	RPL3	PX	-.000496	-.000496	0	0
107	RPL2	PX	-.000496	-.000496	0	0
108	RPL1	PX	-.000496	-.000496	0	0
109	RAIL3	PX	-.000183	-.000183	0	0
110	RAIL2	PX	-.000183	-.000183	0	0
111	RAIL1	PX	-9.1e-5	-9.1e-5	0	0
112	PL12	PX	-.000595	-.000595	0	0
113	PL11	PX	-.000595	-.000595	0	0
114	PL10	PX	-.000595	-.000595	0	0
115	PL9	PX	-.000595	-.000595	0	0
116	PL8	PX	-.000595	-.000595	0	0
117	PL7	PX	-.000595	-.000595	0	0
118	PL6	PX	-.000595	-.000595	0	0
119	PL5	PX	-.000595	-.000595	0	0
120	PL4	PX	-.000595	-.000595	0	0
121	PL3	PX	-.000595	-.000595	0	0
122	PL2	PX	-.000595	-.000595	0	0
123	PL1	PX	-.000595	-.000595	0	0
124	MP GAMMA5	PX	-.000283	-.000283	0	0
125	MP GAMMA4	PX	-.000283	-.000283	0	0
126	MP GAMMA3	PX	-.000283	-.000283	0	0
127	MP GAMMA2	PX	-.000283	-.000283	0	0
128	MP GAMMA1	PX	-.000283	-.000283	0	0
129	MP BETA5	PX	-.000283	-.000283	0	0
130	MP BETA4	PX	-.000283	-.000283	0	0
131	MP BETA3	PX	-.000283	-.000283	0	0
132	MP BETA2	PX	-.000283	-.000283	0	0
133	MP BETA1	PX	-.000283	-.000283	0	0
134	MP ALPHA5	PX	-.000283	-.000283	0	0
135	MP ALPHA4	PX	-.000283	-.000283	0	0
136	MP ALPHA3	PX	-.000283	-.000283	0	0
137	MP ALPHA2	PX	-.000283	-.000283	0	0
138	MP ALPHA1	PX	-.000283	-.000283	0	0

Member Distributed Loads (BLC 16 : Maintanence (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
139	KICK3	PX	-.000496	-.000496	0	0
140	KICK2	PX	-.000496	-.000496	0	0
141	KICK1	PX	-.000496	-.000496	0	0
142	FACE3	PX	-.00027	-.00027	0	0
143	FACE2	PX	-.00027	-.00027	0	0
144	FACE1	PX	-.000135	-.000135	0	0
145	CR6	PX	-.000248	-.000248	0	0
146	CR5	PX	-.000248	-.000248	0	0
147	CR4	PX	-.000248	-.000248	0	0
148	CR3	PX	-.000248	-.000248	0	0
149	CR2	PX	-.000248	-.000248	0	0
150	CR1	PX	-.000248	-.000248	0	0
151	CORN PL9	PX	-.000595	-.000595	0	0
152	CORN PL8	PX	-.000595	-.000595	0	0
153	CORN PL7	PX	-.000595	-.000595	0	0
154	CORN PL6	PX	-.000595	-.000595	0	0
155	CORN PL5	PX	-.000595	-.000595	0	0
156	CORN PL4	PX	-.000595	-.000595	0	0
157	CORN PL3	PX	-.000595	-.000595	0	0
158	CORN PL2	PX	-.000595	-.000595	0	0
159	CORN PL1	PX	-.000595	-.000595	0	0
160	ANGLE3	PX	-.000248	-.000248	0	0
161	ANGLE2	PX	-.000248	-.000248	0	0
162	ANGLE1	PX	-.000248	-.000248	0	0

Member Distributed Loads (BLC 17 : Maintanence (60))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.000198	-.000198	0	0
2	SUP5	PY	-.000198	-.000198	0	0
3	SUP4	PY	-.000198	-.000198	0	0
4	SUP3	PY	-.000198	-.000198	0	0
5	SUP2	PY	-.000198	-.000198	0	0
6	SUP1	PY	-.000198	-.000198	0	0
7	SR12	PY	-4.8e-5	-4.8e-5	0	0
8	SR11	PY	-4.8e-5	-4.8e-5	0	0
9	SR10	PY	-4.8e-5	-4.8e-5	0	0
10	SR9	PY	-4.8e-5	-4.8e-5	0	0
11	SR8	PY	-4.8e-5	-4.8e-5	0	0
12	SR7	PY	-4.8e-5	-4.8e-5	0	0
13	SR6	PY	-4.8e-5	-4.8e-5	0	0
14	SR5	PY	-4.8e-5	-4.8e-5	0	0
15	SR4	PY	-4.8e-5	-4.8e-5	0	0
16	SR3	PY	-4.8e-5	-4.8e-5	0	0
17	SR2	PY	-4.8e-5	-4.8e-5	0	0
18	SR1	PY	-4.8e-5	-4.8e-5	0	0
19	SO3	PY	-.000248	-.000248	0	0
20	SO2	PY	-.000248	-.000248	0	0
21	SO1	PY	-.000248	-.000248	0	0
22	RPL6	PY	-.000496	-.000496	0	0
23	RPL5	PY	-.000496	-.000496	0	0
24	RPL4	PY	-.000496	-.000496	0	0

Member Distributed Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	RPL3	PY	-.000496	-.000496	0	0
26	RPL2	PY	-.000496	-.000496	0	0
27	RPL1	PY	-.000496	-.000496	0	0
28	RAIL3	PY	-.000183	-.000183	0	0
29	RAIL2	PY	-.000183	-.000183	0	0
30	RAIL1	PY	-9.1e-5	-9.1e-5	0	0
31	PL12	PY	-.000595	-.000595	0	0
32	PL11	PY	-.000595	-.000595	0	0
33	PL10	PY	-.000595	-.000595	0	0
34	PL9	PY	-.000595	-.000595	0	0
35	PL8	PY	-.000595	-.000595	0	0
36	PL7	PY	-.000595	-.000595	0	0
37	PL6	PY	-.000595	-.000595	0	0
38	PL5	PY	-.000595	-.000595	0	0
39	PL4	PY	-.000595	-.000595	0	0
40	PL3	PY	-.000595	-.000595	0	0
41	PL2	PY	-.000595	-.000595	0	0
42	PL1	PY	-.000595	-.000595	0	0
43	MP GAMMA5	PY	-.000283	-.000283	0	0
44	MP GAMMA4	PY	-.000283	-.000283	0	0
45	MP GAMMA3	PY	-.000283	-.000283	0	0
46	MP GAMMA2	PY	-.000283	-.000283	0	0
47	MP GAMMA1	PY	-.000283	-.000283	0	0
48	MP BETA5	PY	-.000283	-.000283	0	0
49	MP BETA4	PY	-.000283	-.000283	0	0
50	MP BETA3	PY	-.000283	-.000283	0	0
51	MP BETA2	PY	-.000283	-.000283	0	0
52	MP BETA1	PY	-.000283	-.000283	0	0
53	MP ALPHA5	PY	-.000283	-.000283	0	0
54	MP ALPHA4	PY	-.000283	-.000283	0	0
55	MP ALPHA3	PY	-.000283	-.000283	0	0
56	MP ALPHA2	PY	-.000283	-.000283	0	0
57	MP ALPHA1	PY	-.000283	-.000283	0	0
58	KICK3	PY	-.000496	-.000496	0	0
59	KICK2	PY	-.000496	-.000496	0	0
60	KICK1	PY	-.000496	-.000496	0	0
61	FACE3	PY	-.00027	-.00027	0	0
62	FACE2	PY	-.00027	-.00027	0	0
63	FACE1	PY	-.000135	-.000135	0	0
64	CR6	PY	-.000248	-.000248	0	0
65	CR5	PY	-.000248	-.000248	0	0
66	CR4	PY	-.000248	-.000248	0	0
67	CR3	PY	-.000248	-.000248	0	0
68	CR2	PY	-.000248	-.000248	0	0
69	CR1	PY	-.000248	-.000248	0	0
70	CORN PL9	PY	-.000595	-.000595	0	0
71	CORN PL8	PY	-.000595	-.000595	0	0
72	CORN PL7	PY	-.000595	-.000595	0	0
73	CORN PL6	PY	-.000595	-.000595	0	0
74	CORN PL5	PY	-.000595	-.000595	0	0
75	CORN PL4	PY	-.000595	-.000595	0	0
76	CORN PL3	PY	-.000595	-.000595	0	0

Member Distributed Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	CORN PL2	PY	-.000595	-.000595	0	0
78	CORN PL1	PY	-.000595	-.000595	0	0
79	ANGLE3	PY	-.000248	-.000248	0	0
80	ANGLE2	PY	-.000248	-.000248	0	0
81	ANGLE1	PY	-.000248	-.000248	0	0
82	SUP6	PX	-.000343	-.000343	0	0
83	SUP5	PX	-.000343	-.000343	0	0
84	SUP4	PX	-.000343	-.000343	0	0
85	SUP3	PX	-.000343	-.000343	0	0
86	SUP2	PX	-.000343	-.000343	0	0
87	SUP1	PX	-.000343	-.000343	0	0
88	SR12	PX	-8.3e-5	-8.3e-5	0	0
89	SR11	PX	-8.3e-5	-8.3e-5	0	0
90	SR10	PX	-8.3e-5	-8.3e-5	0	0
91	SR9	PX	-8.3e-5	-8.3e-5	0	0
92	SR8	PX	-8.3e-5	-8.3e-5	0	0
93	SR7	PX	-8.3e-5	-8.3e-5	0	0
94	SR6	PX	-8.3e-5	-8.3e-5	0	0
95	SR5	PX	-8.3e-5	-8.3e-5	0	0
96	SR4	PX	-8.3e-5	-8.3e-5	0	0
97	SR3	PX	-8.3e-5	-8.3e-5	0	0
98	SR2	PX	-8.3e-5	-8.3e-5	0	0
99	SR1	PX	-8.3e-5	-8.3e-5	0	0
100	SO3	PX	-.000429	-.000429	0	0
101	SO2	PX	-.000429	-.000429	0	0
102	SO1	PX	-.000429	-.000429	0	0
103	RPL6	PX	-.000859	-.000859	0	0
104	RPL5	PX	-.000859	-.000859	0	0
105	RPL4	PX	-.000859	-.000859	0	0
106	RPL3	PX	-.000859	-.000859	0	0
107	RPL2	PX	-.000859	-.000859	0	0
108	RPL1	PX	-.000859	-.000859	0	0
109	RAIL3	PX	-.000317	-.000317	0	0
110	RAIL2	PX	-.000317	-.000317	0	0
111	RAIL1	PX	-.000158	-.000158	0	0
112	PL12	PX	-.001	-.001	0	0
113	PL11	PX	-.001	-.001	0	0
114	PL10	PX	-.001	-.001	0	0
115	PL9	PX	-.001	-.001	0	0
116	PL8	PX	-.001	-.001	0	0
117	PL7	PX	-.001	-.001	0	0
118	PL6	PX	-.001	-.001	0	0
119	PL5	PX	-.001	-.001	0	0
120	PL4	PX	-.001	-.001	0	0
121	PL3	PX	-.001	-.001	0	0
122	PL2	PX	-.001	-.001	0	0
123	PL1	PX	-.001	-.001	0	0
124	MP GAMMA5	PX	-.000489	-.000489	0	0
125	MP GAMMA4	PX	-.000489	-.000489	0	0
126	MP GAMMA3	PX	-.000489	-.000489	0	0
127	MP GAMMA2	PX	-.000489	-.000489	0	0
128	MP GAMMA1	PX	-.000489	-.000489	0	0

Member Distributed Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
129	MP BETA5	PX	-.000489	-.000489	0	0
130	MP BETA4	PX	-.000489	-.000489	0	0
131	MP BETA3	PX	-.000489	-.000489	0	0
132	MP BETA2	PX	-.000489	-.000489	0	0
133	MP BETA1	PX	-.000489	-.000489	0	0
134	MP ALPHA5	PX	-.000489	-.000489	0	0
135	MP ALPHA4	PX	-.000489	-.000489	0	0
136	MP ALPHA3	PX	-.000489	-.000489	0	0
137	MP ALPHA2	PX	-.000489	-.000489	0	0
138	MP ALPHA1	PX	-.000489	-.000489	0	0
139	KICK3	PX	-.000859	-.000859	0	0
140	KICK2	PX	-.000859	-.000859	0	0
141	KICK1	PX	-.000859	-.000859	0	0
142	FACE3	PX	-.000467	-.000467	0	0
143	FACE2	PX	-.000467	-.000467	0	0
144	FACE1	PX	-.000234	-.000234	0	0
145	CR6	PX	-.000429	-.000429	0	0
146	CR5	PX	-.000429	-.000429	0	0
147	CR4	PX	-.000429	-.000429	0	0
148	CR3	PX	-.000429	-.000429	0	0
149	CR2	PX	-.000429	-.000429	0	0
150	CR1	PX	-.000429	-.000429	0	0
151	CORN PL9	PX	-.001	-.001	0	0
152	CORN PL8	PX	-.001	-.001	0	0
153	CORN PL7	PX	-.001	-.001	0	0
154	CORN PL6	PX	-.001	-.001	0	0
155	CORN PL5	PX	-.001	-.001	0	0
156	CORN PL4	PX	-.001	-.001	0	0
157	CORN PL3	PX	-.001	-.001	0	0
158	CORN PL2	PX	-.001	-.001	0	0
159	CORN PL1	PX	-.001	-.001	0	0
160	ANGLE3	PX	-.000429	-.000429	0	0
161	ANGLE2	PX	-.000429	-.000429	0	0
162	ANGLE1	PX	-.000429	-.000429	0	0

Member Distributed Loads (BLC 18 : Maintanence (90))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PX	-.000397	-.000397	0	0
2	SUP5	PX	-.000397	-.000397	0	0
3	SUP4	PX	-.000397	-.000397	0	0
4	SUP3	PX	-.000397	-.000397	0	0
5	SUP2	PX	-.000397	-.000397	0	0
6	SUP1	PX	-.000397	-.000397	0	0
7	SR12	PX	-9.6e-5	-9.6e-5	0	0
8	SR11	PX	-9.6e-5	-9.6e-5	0	0
9	SR10	PX	-9.6e-5	-9.6e-5	0	0
10	SR9	PX	-9.6e-5	-9.6e-5	0	0
11	SR8	PX	-9.6e-5	-9.6e-5	0	0
12	SR7	PX	-9.6e-5	-9.6e-5	0	0
13	SR6	PX	-9.6e-5	-9.6e-5	0	0
14	SR5	PX	-9.6e-5	-9.6e-5	0	0

Member Distributed Loads (BLC 18 : Maintanence (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	SR4	PX	-9.6e-5	-9.6e-5	0	0
16	SR3	PX	-9.6e-5	-9.6e-5	0	0
17	SR2	PX	-9.6e-5	-9.6e-5	0	0
18	SR1	PX	-9.6e-5	-9.6e-5	0	0
19	SO3	PX	-.000496	-.000496	0	0
20	SO2	PX	-.000496	-.000496	0	0
21	SO1	PX	-.000496	-.000496	0	0
22	RPL6	PX	-.000991	-.000991	0	0
23	RPL5	PX	-.000991	-.000991	0	0
24	RPL4	PX	-.000991	-.000991	0	0
25	RPL3	PX	-.000991	-.000991	0	0
26	RPL2	PX	-.000991	-.000991	0	0
27	RPL1	PX	-.000991	-.000991	0	0
28	RAIL3	PX	-.000366	-.000366	0	0
29	RAIL1	PX	-.000366	-.000366	0	0
30	RAIL2	PX	-.000183	-.000183	0	0
31	PL12	PX	-.001	-.001	0	0
32	PL11	PX	-.001	-.001	0	0
33	PL10	PX	-.001	-.001	0	0
34	PL9	PX	-.001	-.001	0	0
35	PL8	PX	-.001	-.001	0	0
36	PL7	PX	-.001	-.001	0	0
37	PL6	PX	-.001	-.001	0	0
38	PL5	PX	-.001	-.001	0	0
39	PL4	PX	-.001	-.001	0	0
40	PL3	PX	-.001	-.001	0	0
41	PL2	PX	-.001	-.001	0	0
42	PL1	PX	-.001	-.001	0	0
43	MP GAMMA5	PX	-.000565	-.000565	0	0
44	MP GAMMA4	PX	-.000565	-.000565	0	0
45	MP GAMMA3	PX	-.000565	-.000565	0	0
46	MP GAMMA2	PX	-.000565	-.000565	0	0
47	MP GAMMA1	PX	-.000565	-.000565	0	0
48	MP BETA5	PX	-.000565	-.000565	0	0
49	MP BETA4	PX	-.000565	-.000565	0	0
50	MP BETA3	PX	-.000565	-.000565	0	0
51	MP BETA2	PX	-.000565	-.000565	0	0
52	MP BETA1	PX	-.000565	-.000565	0	0
53	MP ALPHA5	PX	-.000565	-.000565	0	0
54	MP ALPHA4	PX	-.000565	-.000565	0	0
55	MP ALPHA3	PX	-.000565	-.000565	0	0
56	MP ALPHA2	PX	-.000565	-.000565	0	0
57	MP ALPHA1	PX	-.000565	-.000565	0	0
58	KICK3	PX	-.000991	-.000991	0	0
59	KICK2	PX	-.000991	-.000991	0	0
60	KICK1	PX	-.000991	-.000991	0	0
61	FACE3	PX	-.000539	-.000539	0	0
62	FACE1	PX	-.000539	-.000539	0	0
63	FACE2	PX	-.00027	-.00027	0	0
64	CR6	PX	-.000496	-.000496	0	0
65	CR5	PX	-.000496	-.000496	0	0
66	CR4	PX	-.000496	-.000496	0	0

Member Distributed Loads (BLC 18 : Maintanence (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	CR3	PX	-.000496	-.000496	0	0
68	CR2	PX	-.000496	-.000496	0	0
69	CR1	PX	-.000496	-.000496	0	0
70	CORN PL9	PX	-.001	-.001	0	0
71	CORN PL8	PX	-.001	-.001	0	0
72	CORN PL7	PX	-.001	-.001	0	0
73	CORN PL6	PX	-.001	-.001	0	0
74	CORN PL5	PX	-.001	-.001	0	0
75	CORN PL4	PX	-.001	-.001	0	0
76	CORN PL3	PX	-.001	-.001	0	0
77	CORN PL2	PX	-.001	-.001	0	0
78	CORN PL1	PX	-.001	-.001	0	0
79	ANGLE3	PX	-.000496	-.000496	0	0
80	ANGLE2	PX	-.000496	-.000496	0	0
81	ANGLE1	PX	-.000496	-.000496	0	0

Member Distributed Loads (BLC 19 : Maintanence (120))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.000198	.000198	0	0
2	SUP5	PY	.000198	.000198	0	0
3	SUP4	PY	.000198	.000198	0	0
4	SUP3	PY	.000198	.000198	0	0
5	SUP2	PY	.000198	.000198	0	0
6	SUP1	PY	.000198	.000198	0	0
7	SR12	PY	4.8e-5	4.8e-5	0	0
8	SR11	PY	4.8e-5	4.8e-5	0	0
9	SR10	PY	4.8e-5	4.8e-5	0	0
10	SR9	PY	4.8e-5	4.8e-5	0	0
11	SR8	PY	4.8e-5	4.8e-5	0	0
12	SR7	PY	4.8e-5	4.8e-5	0	0
13	SR6	PY	4.8e-5	4.8e-5	0	0
14	SR5	PY	4.8e-5	4.8e-5	0	0
15	SR4	PY	4.8e-5	4.8e-5	0	0
16	SR3	PY	4.8e-5	4.8e-5	0	0
17	SR2	PY	4.8e-5	4.8e-5	0	0
18	SR1	PY	4.8e-5	4.8e-5	0	0
19	SO3	PY	.000248	.000248	0	0
20	SO2	PY	.000248	.000248	0	0
21	SO1	PY	.000248	.000248	0	0
22	RPL6	PY	.000496	.000496	0	0
23	RPL5	PY	.000496	.000496	0	0
24	RPL4	PY	.000496	.000496	0	0
25	RPL3	PY	.000496	.000496	0	0
26	RPL2	PY	.000496	.000496	0	0
27	RPL1	PY	.000496	.000496	0	0
28	RAIL3	PY	.000183	.000183	0	0
29	RAIL1	PY	.000183	.000183	0	0
30	RAIL2	PY	9.1e-5	9.1e-5	0	0
31	PL12	PY	.000595	.000595	0	0
32	PL11	PY	.000595	.000595	0	0
33	PL10	PY	.000595	.000595	0	0

Member Distributed Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	PL9	PY	.000595	.000595	0	0
35	PL8	PY	.000595	.000595	0	0
36	PL7	PY	.000595	.000595	0	0
37	PL6	PY	.000595	.000595	0	0
38	PL5	PY	.000595	.000595	0	0
39	PL4	PY	.000595	.000595	0	0
40	PL3	PY	.000595	.000595	0	0
41	PL2	PY	.000595	.000595	0	0
42	PL1	PY	.000595	.000595	0	0
43	MP GAMMA5	PY	.000283	.000283	0	0
44	MP GAMMA4	PY	.000283	.000283	0	0
45	MP GAMMA3	PY	.000283	.000283	0	0
46	MP GAMMA2	PY	.000283	.000283	0	0
47	MP GAMMA1	PY	.000283	.000283	0	0
48	MP BETA5	PY	.000283	.000283	0	0
49	MP BETA4	PY	.000283	.000283	0	0
50	MP BETA3	PY	.000283	.000283	0	0
51	MP BETA2	PY	.000283	.000283	0	0
52	MP BETA1	PY	.000283	.000283	0	0
53	MP ALPHA5	PY	.000283	.000283	0	0
54	MP ALPHA4	PY	.000283	.000283	0	0
55	MP ALPHA3	PY	.000283	.000283	0	0
56	MP ALPHA2	PY	.000283	.000283	0	0
57	MP ALPHA1	PY	.000283	.000283	0	0
58	KICK3	PY	.000496	.000496	0	0
59	KICK2	PY	.000496	.000496	0	0
60	KICK1	PY	.000496	.000496	0	0
61	FACE3	PY	.00027	.00027	0	0
62	FACE1	PY	.00027	.00027	0	0
63	FACE2	PY	.000135	.000135	0	0
64	CR6	PY	.000248	.000248	0	0
65	CR5	PY	.000248	.000248	0	0
66	CR4	PY	.000248	.000248	0	0
67	CR3	PY	.000248	.000248	0	0
68	CR2	PY	.000248	.000248	0	0
69	CR1	PY	.000248	.000248	0	0
70	CORN PL9	PY	.000595	.000595	0	0
71	CORN PL8	PY	.000595	.000595	0	0
72	CORN PL7	PY	.000595	.000595	0	0
73	CORN PL6	PY	.000595	.000595	0	0
74	CORN PL5	PY	.000595	.000595	0	0
75	CORN PL4	PY	.000595	.000595	0	0
76	CORN PL3	PY	.000595	.000595	0	0
77	CORN PL2	PY	.000595	.000595	0	0
78	CORN PL1	PY	.000595	.000595	0	0
79	ANGLE3	PY	.000248	.000248	0	0
80	ANGLE2	PY	.000248	.000248	0	0
81	ANGLE1	PY	.000248	.000248	0	0
82	SUP6	PX	-.000343	-.000343	0	0
83	SUP5	PX	-.000343	-.000343	0	0
84	SUP4	PX	-.000343	-.000343	0	0
85	SUP3	PX	-.000343	-.000343	0	0

Member Distributed Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
86	SUP2	PX	-.000343	-.000343	0	0
87	SUP1	PX	-.000343	-.000343	0	0
88	SR12	PX	-8.3e-5	-8.3e-5	0	0
89	SR11	PX	-8.3e-5	-8.3e-5	0	0
90	SR10	PX	-8.3e-5	-8.3e-5	0	0
91	SR9	PX	-8.3e-5	-8.3e-5	0	0
92	SR8	PX	-8.3e-5	-8.3e-5	0	0
93	SR7	PX	-8.3e-5	-8.3e-5	0	0
94	SR6	PX	-8.3e-5	-8.3e-5	0	0
95	SR5	PX	-8.3e-5	-8.3e-5	0	0
96	SR4	PX	-8.3e-5	-8.3e-5	0	0
97	SR3	PX	-8.3e-5	-8.3e-5	0	0
98	SR2	PX	-8.3e-5	-8.3e-5	0	0
99	SR1	PX	-8.3e-5	-8.3e-5	0	0
100	SO3	PX	-.000429	-.000429	0	0
101	SO2	PX	-.000429	-.000429	0	0
102	SO1	PX	-.000429	-.000429	0	0
103	RPL6	PX	-.000859	-.000859	0	0
104	RPL5	PX	-.000859	-.000859	0	0
105	RPL4	PX	-.000859	-.000859	0	0
106	RPL3	PX	-.000859	-.000859	0	0
107	RPL2	PX	-.000859	-.000859	0	0
108	RPL1	PX	-.000859	-.000859	0	0
109	RAIL3	PX	-.000317	-.000317	0	0
110	RAIL1	PX	-.000317	-.000317	0	0
111	RAIL2	PX	-.000158	-.000158	0	0
112	PL12	PX	-.001	-.001	0	0
113	PL11	PX	-.001	-.001	0	0
114	PL10	PX	-.001	-.001	0	0
115	PL9	PX	-.001	-.001	0	0
116	PL8	PX	-.001	-.001	0	0
117	PL7	PX	-.001	-.001	0	0
118	PL6	PX	-.001	-.001	0	0
119	PL5	PX	-.001	-.001	0	0
120	PL4	PX	-.001	-.001	0	0
121	PL3	PX	-.001	-.001	0	0
122	PL2	PX	-.001	-.001	0	0
123	PL1	PX	-.001	-.001	0	0
124	MP GAMMA5	PX	-.000489	-.000489	0	0
125	MP GAMMA4	PX	-.000489	-.000489	0	0
126	MP GAMMA3	PX	-.000489	-.000489	0	0
127	MP GAMMA2	PX	-.000489	-.000489	0	0
128	MP GAMMA1	PX	-.000489	-.000489	0	0
129	MP BETA5	PX	-.000489	-.000489	0	0
130	MP BETA4	PX	-.000489	-.000489	0	0
131	MP BETA3	PX	-.000489	-.000489	0	0
132	MP BETA2	PX	-.000489	-.000489	0	0
133	MP BETA1	PX	-.000489	-.000489	0	0
134	MP ALPHA5	PX	-.000489	-.000489	0	0
135	MP ALPHA4	PX	-.000489	-.000489	0	0
136	MP ALPHA3	PX	-.000489	-.000489	0	0
137	MP ALPHA2	PX	-.000489	-.000489	0	0

Member Distributed Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
138	MP ALPHA1	PX	-.000489	-.000489	0	0
139	KICK3	PX	-.000859	-.000859	0	0
140	KICK2	PX	-.000859	-.000859	0	0
141	KICK1	PX	-.000859	-.000859	0	0
142	FACE3	PX	-.000467	-.000467	0	0
143	FACE1	PX	-.000467	-.000467	0	0
144	FACE2	PX	-.000234	-.000234	0	0
145	CR6	PX	-.000429	-.000429	0	0
146	CR5	PX	-.000429	-.000429	0	0
147	CR4	PX	-.000429	-.000429	0	0
148	CR3	PX	-.000429	-.000429	0	0
149	CR2	PX	-.000429	-.000429	0	0
150	CR1	PX	-.000429	-.000429	0	0
151	CORN PL9	PX	-.001	-.001	0	0
152	CORN PL8	PX	-.001	-.001	0	0
153	CORN PL7	PX	-.001	-.001	0	0
154	CORN PL6	PX	-.001	-.001	0	0
155	CORN PL5	PX	-.001	-.001	0	0
156	CORN PL4	PX	-.001	-.001	0	0
157	CORN PL3	PX	-.001	-.001	0	0
158	CORN PL2	PX	-.001	-.001	0	0
159	CORN PL1	PX	-.001	-.001	0	0
160	ANGLE3	PX	-.000429	-.000429	0	0
161	ANGLE2	PX	-.000429	-.000429	0	0
162	ANGLE1	PX	-.000429	-.000429	0	0

Member Distributed Loads (BLC 20 : Maintanence (150))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.000343	.000343	0	0
2	SUP5	PY	.000343	.000343	0	0
3	SUP4	PY	.000343	.000343	0	0
4	SUP3	PY	.000343	.000343	0	0
5	SUP2	PY	.000343	.000343	0	0
6	SUP1	PY	.000343	.000343	0	0
7	SR12	PY	8.3e-5	8.3e-5	0	0
8	SR11	PY	8.3e-5	8.3e-5	0	0
9	SR10	PY	8.3e-5	8.3e-5	0	0
10	SR9	PY	8.3e-5	8.3e-5	0	0
11	SR8	PY	8.3e-5	8.3e-5	0	0
12	SR7	PY	8.3e-5	8.3e-5	0	0
13	SR6	PY	8.3e-5	8.3e-5	0	0
14	SR5	PY	8.3e-5	8.3e-5	0	0
15	SR4	PY	8.3e-5	8.3e-5	0	0
16	SR3	PY	8.3e-5	8.3e-5	0	0
17	SR2	PY	8.3e-5	8.3e-5	0	0
18	SR1	PY	8.3e-5	8.3e-5	0	0
19	SO3	PY	.000429	.000429	0	0
20	SO2	PY	.000429	.000429	0	0
21	SO1	PY	.000429	.000429	0	0
22	RPL6	PY	.000859	.000859	0	0
23	RPL5	PY	.000859	.000859	0	0

Member Distributed Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	RPL4	PY	.000859	.000859	0	0
25	RPL3	PY	.000859	.000859	0	0
26	RPL2	PY	.000859	.000859	0	0
27	RPL1	PY	.000859	.000859	0	0
28	RAIL3	PY	.000317	.000317	0	0
29	RAIL1	PY	.000317	.000317	0	0
30	RAIL2	PY	.000158	.000158	0	0
31	PL12	PY	.001	.001	0	0
32	PL11	PY	.001	.001	0	0
33	PL10	PY	.001	.001	0	0
34	PL9	PY	.001	.001	0	0
35	PL8	PY	.001	.001	0	0
36	PL7	PY	.001	.001	0	0
37	PL6	PY	.001	.001	0	0
38	PL5	PY	.001	.001	0	0
39	PL4	PY	.001	.001	0	0
40	PL3	PY	.001	.001	0	0
41	PL2	PY	.001	.001	0	0
42	PL1	PY	.001	.001	0	0
43	MP GAMMA5	PY	.000489	.000489	0	0
44	MP GAMMA4	PY	.000489	.000489	0	0
45	MP GAMMA3	PY	.000489	.000489	0	0
46	MP GAMMA2	PY	.000489	.000489	0	0
47	MP GAMMA1	PY	.000489	.000489	0	0
48	MP BETA5	PY	.000489	.000489	0	0
49	MP BETA4	PY	.000489	.000489	0	0
50	MP BETA3	PY	.000489	.000489	0	0
51	MP BETA2	PY	.000489	.000489	0	0
52	MP BETA1	PY	.000489	.000489	0	0
53	MP ALPHA5	PY	.000489	.000489	0	0
54	MP ALPHA4	PY	.000489	.000489	0	0
55	MP ALPHA3	PY	.000489	.000489	0	0
56	MP ALPHA2	PY	.000489	.000489	0	0
57	MP ALPHA1	PY	.000489	.000489	0	0
58	KICK3	PY	.000859	.000859	0	0
59	KICK2	PY	.000859	.000859	0	0
60	KICK1	PY	.000859	.000859	0	0
61	FACE3	PY	.000467	.000467	0	0
62	FACE1	PY	.000467	.000467	0	0
63	FACE2	PY	.000234	.000234	0	0
64	CR6	PY	.000429	.000429	0	0
65	CR5	PY	.000429	.000429	0	0
66	CR4	PY	.000429	.000429	0	0
67	CR3	PY	.000429	.000429	0	0
68	CR2	PY	.000429	.000429	0	0
69	CR1	PY	.000429	.000429	0	0
70	CORN PL9	PY	.001	.001	0	0
71	CORN PL8	PY	.001	.001	0	0
72	CORN PL7	PY	.001	.001	0	0
73	CORN PL6	PY	.001	.001	0	0
74	CORN PL5	PY	.001	.001	0	0
75	CORN PL4	PY	.001	.001	0	0

Member Distributed Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	CORN PL3	PY	.001	.001	0	0
77	CORN PL2	PY	.001	.001	0	0
78	CORN PL1	PY	.001	.001	0	0
79	ANGLE3	PY	.000429	.000429	0	0
80	ANGLE2	PY	.000429	.000429	0	0
81	ANGLE1	PY	.000429	.000429	0	0
82	SUP6	PX	-.000198	-.000198	0	0
83	SUP5	PX	-.000198	-.000198	0	0
84	SUP4	PX	-.000198	-.000198	0	0
85	SUP3	PX	-.000198	-.000198	0	0
86	SUP2	PX	-.000198	-.000198	0	0
87	SUP1	PX	-.000198	-.000198	0	0
88	SR12	PX	-4.8e-5	-4.8e-5	0	0
89	SR11	PX	-4.8e-5	-4.8e-5	0	0
90	SR10	PX	-4.8e-5	-4.8e-5	0	0
91	SR9	PX	-4.8e-5	-4.8e-5	0	0
92	SR8	PX	-4.8e-5	-4.8e-5	0	0
93	SR7	PX	-4.8e-5	-4.8e-5	0	0
94	SR6	PX	-4.8e-5	-4.8e-5	0	0
95	SR5	PX	-4.8e-5	-4.8e-5	0	0
96	SR4	PX	-4.8e-5	-4.8e-5	0	0
97	SR3	PX	-4.8e-5	-4.8e-5	0	0
98	SR2	PX	-4.8e-5	-4.8e-5	0	0
99	SR1	PX	-4.8e-5	-4.8e-5	0	0
100	SO3	PX	-.000248	-.000248	0	0
101	SO2	PX	-.000248	-.000248	0	0
102	SO1	PX	-.000248	-.000248	0	0
103	RPL6	PX	-.000496	-.000496	0	0
104	RPL5	PX	-.000496	-.000496	0	0
105	RPL4	PX	-.000496	-.000496	0	0
106	RPL3	PX	-.000496	-.000496	0	0
107	RPL2	PX	-.000496	-.000496	0	0
108	RPL1	PX	-.000496	-.000496	0	0
109	RAIL3	PX	-.000183	-.000183	0	0
110	RAIL1	PX	-.000183	-.000183	0	0
111	RAIL2	PX	-9.1e-5	-9.1e-5	0	0
112	PL12	PX	-.000595	-.000595	0	0
113	PL11	PX	-.000595	-.000595	0	0
114	PL10	PX	-.000595	-.000595	0	0
115	PL9	PX	-.000595	-.000595	0	0
116	PL8	PX	-.000595	-.000595	0	0
117	PL7	PX	-.000595	-.000595	0	0
118	PL6	PX	-.000595	-.000595	0	0
119	PL5	PX	-.000595	-.000595	0	0
120	PL4	PX	-.000595	-.000595	0	0
121	PL3	PX	-.000595	-.000595	0	0
122	PL2	PX	-.000595	-.000595	0	0
123	PL1	PX	-.000595	-.000595	0	0
124	MP GAMMA5	PX	-.000283	-.000283	0	0
125	MP GAMMA4	PX	-.000283	-.000283	0	0
126	MP GAMMA3	PX	-.000283	-.000283	0	0
127	MP GAMMA2	PX	-.000283	-.000283	0	0

Member Distributed Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
128	MP GAMMA1	PX	-.000283	-.000283	0	0
129	MP BETA5	PX	-.000283	-.000283	0	0
130	MP BETA4	PX	-.000283	-.000283	0	0
131	MP BETA3	PX	-.000283	-.000283	0	0
132	MP BETA2	PX	-.000283	-.000283	0	0
133	MP BETA1	PX	-.000283	-.000283	0	0
134	MP ALPHA5	PX	-.000283	-.000283	0	0
135	MP ALPHA4	PX	-.000283	-.000283	0	0
136	MP ALPHA3	PX	-.000283	-.000283	0	0
137	MP ALPHA2	PX	-.000283	-.000283	0	0
138	MP ALPHA1	PX	-.000283	-.000283	0	0
139	KICK3	PX	-.000496	-.000496	0	0
140	KICK2	PX	-.000496	-.000496	0	0
141	KICK1	PX	-.000496	-.000496	0	0
142	FACE3	PX	-.00027	-.00027	0	0
143	FACE1	PX	-.00027	-.00027	0	0
144	FACE2	PX	-.000135	-.000135	0	0
145	CR6	PX	-.000248	-.000248	0	0
146	CR5	PX	-.000248	-.000248	0	0
147	CR4	PX	-.000248	-.000248	0	0
148	CR3	PX	-.000248	-.000248	0	0
149	CR2	PX	-.000248	-.000248	0	0
150	CR1	PX	-.000248	-.000248	0	0
151	CORN PL9	PX	-.000595	-.000595	0	0
152	CORN PL8	PX	-.000595	-.000595	0	0
153	CORN PL7	PX	-.000595	-.000595	0	0
154	CORN PL6	PX	-.000595	-.000595	0	0
155	CORN PL5	PX	-.000595	-.000595	0	0
156	CORN PL4	PX	-.000595	-.000595	0	0
157	CORN PL3	PX	-.000595	-.000595	0	0
158	CORN PL2	PX	-.000595	-.000595	0	0
159	CORN PL1	PX	-.000595	-.000595	0	0
160	ANGLE3	PX	-.000248	-.000248	0	0
161	ANGLE2	PX	-.000248	-.000248	0	0
162	ANGLE1	PX	-.000248	-.000248	0	0

Member Distributed Loads (BLC 21 : Maintanence (180))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.000397	.000397	0	0
2	SUP5	PY	.000397	.000397	0	0
3	SUP4	PY	.000397	.000397	0	0
4	SUP3	PY	.000397	.000397	0	0
5	SUP2	PY	.000397	.000397	0	0
6	SUP1	PY	.000397	.000397	0	0
7	SR12	PY	9.6e-5	9.6e-5	0	0
8	SR11	PY	9.6e-5	9.6e-5	0	0
9	SR10	PY	9.6e-5	9.6e-5	0	0
10	SR9	PY	9.6e-5	9.6e-5	0	0
11	SR8	PY	9.6e-5	9.6e-5	0	0
12	SR7	PY	9.6e-5	9.6e-5	0	0
13	SR6	PY	9.6e-5	9.6e-5	0	0

Member Distributed Loads (BLC 21 : Maintanence (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	SR5	PY	9.6e-5	9.6e-5	0	0
15	SR4	PY	9.6e-5	9.6e-5	0	0
16	SR3	PY	9.6e-5	9.6e-5	0	0
17	SR2	PY	9.6e-5	9.6e-5	0	0
18	SR1	PY	9.6e-5	9.6e-5	0	0
19	SO3	PY	.000496	.000496	0	0
20	SO2	PY	.000496	.000496	0	0
21	SO1	PY	.000496	.000496	0	0
22	RPL6	PY	.000991	.000991	0	0
23	RPL5	PY	.000991	.000991	0	0
24	RPL4	PY	.000991	.000991	0	0
25	RPL3	PY	.000991	.000991	0	0
26	RPL2	PY	.000991	.000991	0	0
27	RPL1	PY	.000991	.000991	0	0
28	RAIL3	PY	.000366	.000366	0	0
29	RAIL1	PY	.000366	.000366	0	0
30	RAIL2	PY	.000183	.000183	0	0
31	PL12	PY	.001	.001	0	0
32	PL11	PY	.001	.001	0	0
33	PL10	PY	.001	.001	0	0
34	PL9	PY	.001	.001	0	0
35	PL8	PY	.001	.001	0	0
36	PL7	PY	.001	.001	0	0
37	PL6	PY	.001	.001	0	0
38	PL5	PY	.001	.001	0	0
39	PL4	PY	.001	.001	0	0
40	PL3	PY	.001	.001	0	0
41	PL2	PY	.001	.001	0	0
42	PL1	PY	.001	.001	0	0
43	MP GAMMA5	PY	.000565	.000565	0	0
44	MP GAMMA4	PY	.000565	.000565	0	0
45	MP GAMMA3	PY	.000565	.000565	0	0
46	MP GAMMA2	PY	.000565	.000565	0	0
47	MP GAMMA1	PY	.000565	.000565	0	0
48	MP BETA5	PY	.000565	.000565	0	0
49	MP BETA4	PY	.000565	.000565	0	0
50	MP BETA3	PY	.000565	.000565	0	0
51	MP BETA2	PY	.000565	.000565	0	0
52	MP BETA1	PY	.000565	.000565	0	0
53	MP ALPHA5	PY	.000565	.000565	0	0
54	MP ALPHA4	PY	.000565	.000565	0	0
55	MP ALPHA3	PY	.000565	.000565	0	0
56	MP ALPHA2	PY	.000565	.000565	0	0
57	MP ALPHA1	PY	.000565	.000565	0	0
58	KICK3	PY	.000991	.000991	0	0
59	KICK2	PY	.000991	.000991	0	0
60	KICK1	PY	.000991	.000991	0	0
61	FACE3	PY	.000539	.000539	0	0
62	FACE1	PY	.000539	.000539	0	0
63	FACE2	PY	.00027	.00027	0	0
64	CR6	PY	.000496	.000496	0	0
65	CR5	PY	.000496	.000496	0	0

Member Distributed Loads (BLC 21 : Maintanence (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	CR4	PY	.000496	.000496	0	0
67	CR3	PY	.000496	.000496	0	0
68	CR2	PY	.000496	.000496	0	0
69	CR1	PY	.000496	.000496	0	0
70	CORN PL9	PY	.001	.001	0	0
71	CORN PL8	PY	.001	.001	0	0
72	CORN PL7	PY	.001	.001	0	0
73	CORN PL6	PY	.001	.001	0	0
74	CORN PL5	PY	.001	.001	0	0
75	CORN PL4	PY	.001	.001	0	0
76	CORN PL3	PY	.001	.001	0	0
77	CORN PL2	PY	.001	.001	0	0
78	CORN PL1	PY	.001	.001	0	0
79	ANGLE3	PY	.000496	.000496	0	0
80	ANGLE2	PY	.000496	.000496	0	0
81	ANGLE1	PY	.000496	.000496	0	0

Member Distributed Loads (BLC 22 : Maintanence (210))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.000343	.000343	0	0
2	SUP5	PY	.000343	.000343	0	0
3	SUP4	PY	.000343	.000343	0	0
4	SUP3	PY	.000343	.000343	0	0
5	SUP2	PY	.000343	.000343	0	0
6	SUP1	PY	.000343	.000343	0	0
7	SR12	PY	8.3e-5	8.3e-5	0	0
8	SR11	PY	8.3e-5	8.3e-5	0	0
9	SR10	PY	8.3e-5	8.3e-5	0	0
10	SR9	PY	8.3e-5	8.3e-5	0	0
11	SR8	PY	8.3e-5	8.3e-5	0	0
12	SR7	PY	8.3e-5	8.3e-5	0	0
13	SR6	PY	8.3e-5	8.3e-5	0	0
14	SR5	PY	8.3e-5	8.3e-5	0	0
15	SR4	PY	8.3e-5	8.3e-5	0	0
16	SR3	PY	8.3e-5	8.3e-5	0	0
17	SR2	PY	8.3e-5	8.3e-5	0	0
18	SR1	PY	8.3e-5	8.3e-5	0	0
19	SO3	PY	.000429	.000429	0	0
20	SO2	PY	.000429	.000429	0	0
21	SO1	PY	.000429	.000429	0	0
22	RPL6	PY	.000859	.000859	0	0
23	RPL5	PY	.000859	.000859	0	0
24	RPL4	PY	.000859	.000859	0	0
25	RPL3	PY	.000859	.000859	0	0
26	RPL2	PY	.000859	.000859	0	0
27	RPL1	PY	.000859	.000859	0	0
28	RAIL1	PY	.000317	.000317	0	0
29	RAIL2	PY	.000317	.000317	0	0
30	RAIL3	PY	.000158	.000158	0	0
31	PL12	PY	.001	.001	0	0
32	PL11	PY	.001	.001	0	0

Member Distributed Loads (BLC 22 : Maintanence (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	PL10	PY	.001	.001	0	0
34	PL9	PY	.001	.001	0	0
35	PL8	PY	.001	.001	0	0
36	PL7	PY	.001	.001	0	0
37	PL6	PY	.001	.001	0	0
38	PL5	PY	.001	.001	0	0
39	PL4	PY	.001	.001	0	0
40	PL3	PY	.001	.001	0	0
41	PL2	PY	.001	.001	0	0
42	PL1	PY	.001	.001	0	0
43	MP GAMMA5	PY	.000489	.000489	0	0
44	MP GAMMA4	PY	.000489	.000489	0	0
45	MP GAMMA3	PY	.000489	.000489	0	0
46	MP GAMMA2	PY	.000489	.000489	0	0
47	MP GAMMA1	PY	.000489	.000489	0	0
48	MP BETA5	PY	.000489	.000489	0	0
49	MP BETA4	PY	.000489	.000489	0	0
50	MP BETA3	PY	.000489	.000489	0	0
51	MP BETA2	PY	.000489	.000489	0	0
52	MP BETA1	PY	.000489	.000489	0	0
53	MP ALPHA5	PY	.000489	.000489	0	0
54	MP ALPHA4	PY	.000489	.000489	0	0
55	MP ALPHA3	PY	.000489	.000489	0	0
56	MP ALPHA2	PY	.000489	.000489	0	0
57	MP ALPHA1	PY	.000489	.000489	0	0
58	KICK3	PY	.000859	.000859	0	0
59	KICK2	PY	.000859	.000859	0	0
60	KICK1	PY	.000859	.000859	0	0
61	FACE1	PY	.000467	.000467	0	0
62	FACE2	PY	.000467	.000467	0	0
63	FACE3	PY	.000234	.000234	0	0
64	CR6	PY	.000429	.000429	0	0
65	CR5	PY	.000429	.000429	0	0
66	CR4	PY	.000429	.000429	0	0
67	CR3	PY	.000429	.000429	0	0
68	CR2	PY	.000429	.000429	0	0
69	CR1	PY	.000429	.000429	0	0
70	CORN PL9	PY	.001	.001	0	0
71	CORN PL8	PY	.001	.001	0	0
72	CORN PL7	PY	.001	.001	0	0
73	CORN PL6	PY	.001	.001	0	0
74	CORN PL5	PY	.001	.001	0	0
75	CORN PL4	PY	.001	.001	0	0
76	CORN PL3	PY	.001	.001	0	0
77	CORN PL2	PY	.001	.001	0	0
78	CORN PL1	PY	.001	.001	0	0
79	ANGLE3	PY	.000429	.000429	0	0
80	ANGLE2	PY	.000429	.000429	0	0
81	ANGLE1	PY	.000429	.000429	0	0
82	SUP6	PX	.000198	.000198	0	0
83	SUP5	PX	.000198	.000198	0	0
84	SUP4	PX	.000198	.000198	0	0

Member Distributed Loads (BLC 22 : Maintanence (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	SUP3	PX	.000198	.000198	0	0
86	SUP2	PX	.000198	.000198	0	0
87	SUP1	PX	.000198	.000198	0	0
88	SR12	PX	4.8e-5	4.8e-5	0	0
89	SR11	PX	4.8e-5	4.8e-5	0	0
90	SR10	PX	4.8e-5	4.8e-5	0	0
91	SR9	PX	4.8e-5	4.8e-5	0	0
92	SR8	PX	4.8e-5	4.8e-5	0	0
93	SR7	PX	4.8e-5	4.8e-5	0	0
94	SR6	PX	4.8e-5	4.8e-5	0	0
95	SR5	PX	4.8e-5	4.8e-5	0	0
96	SR4	PX	4.8e-5	4.8e-5	0	0
97	SR3	PX	4.8e-5	4.8e-5	0	0
98	SR2	PX	4.8e-5	4.8e-5	0	0
99	SR1	PX	4.8e-5	4.8e-5	0	0
100	SO3	PX	.000248	.000248	0	0
101	SO2	PX	.000248	.000248	0	0
102	SO1	PX	.000248	.000248	0	0
103	RPL6	PX	.000496	.000496	0	0
104	RPL5	PX	.000496	.000496	0	0
105	RPL4	PX	.000496	.000496	0	0
106	RPL3	PX	.000496	.000496	0	0
107	RPL2	PX	.000496	.000496	0	0
108	RPL1	PX	.000496	.000496	0	0
109	RAIL1	PX	.000183	.000183	0	0
110	RAIL2	PX	.000183	.000183	0	0
111	RAIL3	PX	9.1e-5	9.1e-5	0	0
112	PL12	PX	.000595	.000595	0	0
113	PL11	PX	.000595	.000595	0	0
114	PL10	PX	.000595	.000595	0	0
115	PL9	PX	.000595	.000595	0	0
116	PL8	PX	.000595	.000595	0	0
117	PL7	PX	.000595	.000595	0	0
118	PL6	PX	.000595	.000595	0	0
119	PL5	PX	.000595	.000595	0	0
120	PL4	PX	.000595	.000595	0	0
121	PL3	PX	.000595	.000595	0	0
122	PL2	PX	.000595	.000595	0	0
123	PL1	PX	.000595	.000595	0	0
124	MP GAMMA5	PX	.000283	.000283	0	0
125	MP GAMMA4	PX	.000283	.000283	0	0
126	MP GAMMA3	PX	.000283	.000283	0	0
127	MP GAMMA2	PX	.000283	.000283	0	0
128	MP GAMMA1	PX	.000283	.000283	0	0
129	MP BETA5	PX	.000283	.000283	0	0
130	MP BETA4	PX	.000283	.000283	0	0
131	MP BETA3	PX	.000283	.000283	0	0
132	MP BETA2	PX	.000283	.000283	0	0
133	MP BETA1	PX	.000283	.000283	0	0
134	MP ALPHA5	PX	.000283	.000283	0	0
135	MP ALPHA4	PX	.000283	.000283	0	0
136	MP ALPHA3	PX	.000283	.000283	0	0

Member Distributed Loads (BLC 22 : Maintanence (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
137	MP ALPHA2	PX	.000283	.000283	0	0
138	MP ALPHA1	PX	.000283	.000283	0	0
139	KICK3	PX	.000496	.000496	0	0
140	KICK2	PX	.000496	.000496	0	0
141	KICK1	PX	.000496	.000496	0	0
142	FACE1	PX	.00027	.00027	0	0
143	FACE2	PX	.00027	.00027	0	0
144	FACE3	PX	.000135	.000135	0	0
145	CR6	PX	.000248	.000248	0	0
146	CR5	PX	.000248	.000248	0	0
147	CR4	PX	.000248	.000248	0	0
148	CR3	PX	.000248	.000248	0	0
149	CR2	PX	.000248	.000248	0	0
150	CR1	PX	.000248	.000248	0	0
151	CORN PL9	PX	.000595	.000595	0	0
152	CORN PL8	PX	.000595	.000595	0	0
153	CORN PL7	PX	.000595	.000595	0	0
154	CORN PL6	PX	.000595	.000595	0	0
155	CORN PL5	PX	.000595	.000595	0	0
156	CORN PL4	PX	.000595	.000595	0	0
157	CORN PL3	PX	.000595	.000595	0	0
158	CORN PL2	PX	.000595	.000595	0	0
159	CORN PL1	PX	.000595	.000595	0	0
160	ANGLE3	PX	.000248	.000248	0	0
161	ANGLE2	PX	.000248	.000248	0	0
162	ANGLE1	PX	.000248	.000248	0	0

Member Distributed Loads (BLC 23 : Maintanence (240))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.000198	.000198	0	0
2	SUP5	PY	.000198	.000198	0	0
3	SUP4	PY	.000198	.000198	0	0
4	SUP3	PY	.000198	.000198	0	0
5	SUP2	PY	.000198	.000198	0	0
6	SUP1	PY	.000198	.000198	0	0
7	SR12	PY	4.8e-5	4.8e-5	0	0
8	SR11	PY	4.8e-5	4.8e-5	0	0
9	SR10	PY	4.8e-5	4.8e-5	0	0
10	SR9	PY	4.8e-5	4.8e-5	0	0
11	SR8	PY	4.8e-5	4.8e-5	0	0
12	SR7	PY	4.8e-5	4.8e-5	0	0
13	SR6	PY	4.8e-5	4.8e-5	0	0
14	SR5	PY	4.8e-5	4.8e-5	0	0
15	SR4	PY	4.8e-5	4.8e-5	0	0
16	SR3	PY	4.8e-5	4.8e-5	0	0
17	SR2	PY	4.8e-5	4.8e-5	0	0
18	SR1	PY	4.8e-5	4.8e-5	0	0
19	SO3	PY	.000248	.000248	0	0
20	SO2	PY	.000248	.000248	0	0
21	SO1	PY	.000248	.000248	0	0
22	RPL6	PY	.000496	.000496	0	0

Member Distributed Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	RPL5	PY	.000496	.000496	0	0
24	RPL4	PY	.000496	.000496	0	0
25	RPL3	PY	.000496	.000496	0	0
26	RPL2	PY	.000496	.000496	0	0
27	RPL1	PY	.000496	.000496	0	0
28	RAIL1	PY	.000183	.000183	0	0
29	RAIL2	PY	.000183	.000183	0	0
30	RAIL3	PY	9.1e-5	9.1e-5	0	0
31	PL12	PY	.000595	.000595	0	0
32	PL11	PY	.000595	.000595	0	0
33	PL10	PY	.000595	.000595	0	0
34	PL9	PY	.000595	.000595	0	0
35	PL8	PY	.000595	.000595	0	0
36	PL7	PY	.000595	.000595	0	0
37	PL6	PY	.000595	.000595	0	0
38	PL5	PY	.000595	.000595	0	0
39	PL4	PY	.000595	.000595	0	0
40	PL3	PY	.000595	.000595	0	0
41	PL2	PY	.000595	.000595	0	0
42	PL1	PY	.000595	.000595	0	0
43	MP GAMMA5	PY	.000283	.000283	0	0
44	MP GAMMA4	PY	.000283	.000283	0	0
45	MP GAMMA3	PY	.000283	.000283	0	0
46	MP GAMMA2	PY	.000283	.000283	0	0
47	MP GAMMA1	PY	.000283	.000283	0	0
48	MP BETA5	PY	.000283	.000283	0	0
49	MP BETA4	PY	.000283	.000283	0	0
50	MP BETA3	PY	.000283	.000283	0	0
51	MP BETA2	PY	.000283	.000283	0	0
52	MP BETA1	PY	.000283	.000283	0	0
53	MP ALPHA5	PY	.000283	.000283	0	0
54	MP ALPHA4	PY	.000283	.000283	0	0
55	MP ALPHA3	PY	.000283	.000283	0	0
56	MP ALPHA2	PY	.000283	.000283	0	0
57	MP ALPHA1	PY	.000283	.000283	0	0
58	KICK3	PY	.000496	.000496	0	0
59	KICK2	PY	.000496	.000496	0	0
60	KICK1	PY	.000496	.000496	0	0
61	FACE1	PY	.00027	.00027	0	0
62	FACE2	PY	.00027	.00027	0	0
63	FACE3	PY	.000135	.000135	0	0
64	CR6	PY	.000248	.000248	0	0
65	CR5	PY	.000248	.000248	0	0
66	CR4	PY	.000248	.000248	0	0
67	CR3	PY	.000248	.000248	0	0
68	CR2	PY	.000248	.000248	0	0
69	CR1	PY	.000248	.000248	0	0
70	CORN PL9	PY	.000595	.000595	0	0
71	CORN PL8	PY	.000595	.000595	0	0
72	CORN PL7	PY	.000595	.000595	0	0
73	CORN PL6	PY	.000595	.000595	0	0
74	CORN PL5	PY	.000595	.000595	0	0

Member Distributed Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
75	CORN PL4	PY	.000595	.000595	0	0
76	CORN PL3	PY	.000595	.000595	0	0
77	CORN PL2	PY	.000595	.000595	0	0
78	CORN PL1	PY	.000595	.000595	0	0
79	ANGLE3	PY	.000248	.000248	0	0
80	ANGLE2	PY	.000248	.000248	0	0
81	ANGLE1	PY	.000248	.000248	0	0
82	SUP6	PX	.000343	.000343	0	0
83	SUP5	PX	.000343	.000343	0	0
84	SUP4	PX	.000343	.000343	0	0
85	SUP3	PX	.000343	.000343	0	0
86	SUP2	PX	.000343	.000343	0	0
87	SUP1	PX	.000343	.000343	0	0
88	SR12	PX	8.3e-5	8.3e-5	0	0
89	SR11	PX	8.3e-5	8.3e-5	0	0
90	SR10	PX	8.3e-5	8.3e-5	0	0
91	SR9	PX	8.3e-5	8.3e-5	0	0
92	SR8	PX	8.3e-5	8.3e-5	0	0
93	SR7	PX	8.3e-5	8.3e-5	0	0
94	SR6	PX	8.3e-5	8.3e-5	0	0
95	SR5	PX	8.3e-5	8.3e-5	0	0
96	SR4	PX	8.3e-5	8.3e-5	0	0
97	SR3	PX	8.3e-5	8.3e-5	0	0
98	SR2	PX	8.3e-5	8.3e-5	0	0
99	SR1	PX	8.3e-5	8.3e-5	0	0
100	SO3	PX	.000429	.000429	0	0
101	SO2	PX	.000429	.000429	0	0
102	SO1	PX	.000429	.000429	0	0
103	RPL6	PX	.000859	.000859	0	0
104	RPL5	PX	.000859	.000859	0	0
105	RPL4	PX	.000859	.000859	0	0
106	RPL3	PX	.000859	.000859	0	0
107	RPL2	PX	.000859	.000859	0	0
108	RPL1	PX	.000859	.000859	0	0
109	RAIL1	PX	.000317	.000317	0	0
110	RAIL2	PX	.000317	.000317	0	0
111	RAIL3	PX	.000158	.000158	0	0
112	PL12	PX	.001	.001	0	0
113	PL11	PX	.001	.001	0	0
114	PL10	PX	.001	.001	0	0
115	PL9	PX	.001	.001	0	0
116	PL8	PX	.001	.001	0	0
117	PL7	PX	.001	.001	0	0
118	PL6	PX	.001	.001	0	0
119	PL5	PX	.001	.001	0	0
120	PL4	PX	.001	.001	0	0
121	PL3	PX	.001	.001	0	0
122	PL2	PX	.001	.001	0	0
123	PL1	PX	.001	.001	0	0
124	MP GAMMA5	PX	.000489	.000489	0	0
125	MP GAMMA4	PX	.000489	.000489	0	0
126	MP GAMMA3	PX	.000489	.000489	0	0

Member Distributed Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
127	MP GAMMA2	PX	.000489	.000489	0	0
128	MP GAMMA1	PX	.000489	.000489	0	0
129	MP BETA5	PX	.000489	.000489	0	0
130	MP BETA4	PX	.000489	.000489	0	0
131	MP BETA3	PX	.000489	.000489	0	0
132	MP BETA2	PX	.000489	.000489	0	0
133	MP BETA1	PX	.000489	.000489	0	0
134	MP ALPHA5	PX	.000489	.000489	0	0
135	MP ALPHA4	PX	.000489	.000489	0	0
136	MP ALPHA3	PX	.000489	.000489	0	0
137	MP ALPHA2	PX	.000489	.000489	0	0
138	MP ALPHA1	PX	.000489	.000489	0	0
139	KICK3	PX	.000859	.000859	0	0
140	KICK2	PX	.000859	.000859	0	0
141	KICK1	PX	.000859	.000859	0	0
142	FACE1	PX	.000467	.000467	0	0
143	FACE2	PX	.000467	.000467	0	0
144	FACE3	PX	.000234	.000234	0	0
145	CR6	PX	.000429	.000429	0	0
146	CR5	PX	.000429	.000429	0	0
147	CR4	PX	.000429	.000429	0	0
148	CR3	PX	.000429	.000429	0	0
149	CR2	PX	.000429	.000429	0	0
150	CR1	PX	.000429	.000429	0	0
151	CORN PL9	PX	.001	.001	0	0
152	CORN PL8	PX	.001	.001	0	0
153	CORN PL7	PX	.001	.001	0	0
154	CORN PL6	PX	.001	.001	0	0
155	CORN PL5	PX	.001	.001	0	0
156	CORN PL4	PX	.001	.001	0	0
157	CORN PL3	PX	.001	.001	0	0
158	CORN PL2	PX	.001	.001	0	0
159	CORN PL1	PX	.001	.001	0	0
160	ANGLE3	PX	.000429	.000429	0	0
161	ANGLE2	PX	.000429	.000429	0	0
162	ANGLE1	PX	.000429	.000429	0	0

Member Distributed Loads (BLC 24 : Maintanence (270))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PX	.000397	.000397	0	0
2	SUP5	PX	.000397	.000397	0	0
3	SUP4	PX	.000397	.000397	0	0
4	SUP3	PX	.000397	.000397	0	0
5	SUP2	PX	.000397	.000397	0	0
6	SUP1	PX	.000397	.000397	0	0
7	SR12	PX	9.6e-5	9.6e-5	0	0
8	SR11	PX	9.6e-5	9.6e-5	0	0
9	SR10	PX	9.6e-5	9.6e-5	0	0
10	SR9	PX	9.6e-5	9.6e-5	0	0
11	SR8	PX	9.6e-5	9.6e-5	0	0
12	SR7	PX	9.6e-5	9.6e-5	0	0

Member Distributed Loads (BLC 24 : Maintanence (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	SR6	PX	9.6e-5	9.6e-5	0	0
14	SR5	PX	9.6e-5	9.6e-5	0	0
15	SR4	PX	9.6e-5	9.6e-5	0	0
16	SR3	PX	9.6e-5	9.6e-5	0	0
17	SR2	PX	9.6e-5	9.6e-5	0	0
18	SR1	PX	9.6e-5	9.6e-5	0	0
19	SO3	PX	.000496	.000496	0	0
20	SO2	PX	.000496	.000496	0	0
21	SO1	PX	.000496	.000496	0	0
22	RPL6	PX	.000991	.000991	0	0
23	RPL5	PX	.000991	.000991	0	0
24	RPL4	PX	.000991	.000991	0	0
25	RPL3	PX	.000991	.000991	0	0
26	RPL2	PX	.000991	.000991	0	0
27	RPL1	PX	.000991	.000991	0	0
28	RAIL1	PX	.000366	.000366	0	0
29	RAIL2	PX	.000366	.000366	0	0
30	RAIL3	PX	.000183	.000183	0	0
31	PL12	PX	.001	.001	0	0
32	PL11	PX	.001	.001	0	0
33	PL10	PX	.001	.001	0	0
34	PL9	PX	.001	.001	0	0
35	PL8	PX	.001	.001	0	0
36	PL7	PX	.001	.001	0	0
37	PL6	PX	.001	.001	0	0
38	PL5	PX	.001	.001	0	0
39	PL4	PX	.001	.001	0	0
40	PL3	PX	.001	.001	0	0
41	PL2	PX	.001	.001	0	0
42	PL1	PX	.001	.001	0	0
43	MP GAMMA5	PX	.000565	.000565	0	0
44	MP GAMMA4	PX	.000565	.000565	0	0
45	MP GAMMA3	PX	.000565	.000565	0	0
46	MP GAMMA2	PX	.000565	.000565	0	0
47	MP GAMMA1	PX	.000565	.000565	0	0
48	MP BETA5	PX	.000565	.000565	0	0
49	MP BETA4	PX	.000565	.000565	0	0
50	MP BETA3	PX	.000565	.000565	0	0
51	MP BETA2	PX	.000565	.000565	0	0
52	MP BETA1	PX	.000565	.000565	0	0
53	MP ALPHA5	PX	.000565	.000565	0	0
54	MP ALPHA4	PX	.000565	.000565	0	0
55	MP ALPHA3	PX	.000565	.000565	0	0
56	MP ALPHA2	PX	.000565	.000565	0	0
57	MP ALPHA1	PX	.000565	.000565	0	0
58	KICK3	PX	.000991	000991	0	0
59	KICK2	PX	.000991	.000991	0	0
60	KICK1	PX	.000991	.000991	0	0
61	FACE1	PX	.000539	.000539	0	0
62	FACE2	PX	.000539	.000539	0	0
63	FACE3	PX	.00027	.00027	0	0
64	CR6	PX	.000496	.000496	0	0

Member Distributed Loads (BLC 24 : Maintanence (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	CR5	PX	.000496	.000496	0	0
66	CR4	PX	.000496	.000496	0	0
67	CR3	PX	.000496	.000496	0	0
68	CR2	PX	.000496	.000496	0	0
69	CR1	PX	.000496	.000496	0	0
70	CORN PL9	PX	.001	.001	0	0
71	CORN PL8	PX	.001	.001	0	0
72	CORN PL7	PX	.001	.001	0	0
73	CORN PL6	PX	.001	.001	0	0
74	CORN PL5	PX	.001	.001	0	0
75	CORN PL4	PX	.001	.001	0	0
76	CORN PL3	PX	.001	.001	0	0
77	CORN PL2	PX	.001	.001	0	0
78	CORN PL1	PX	.001	.001	0	0
79	ANGLE3	PX	.000496	.000496	0	0
80	ANGLE2	PX	.000496	.000496	0	0
81	ANGLE1	PX	.000496	.000496	0	0

Member Distributed Loads (BLC 25 : Maintanence (300))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.000198	-.000198	0	0
2	SUP5	PY	-.000198	-.000198	0	0
3	SUP4	PY	-.000198	-.000198	0	0
4	SUP3	PY	-.000198	-.000198	0	0
5	SUP2	PY	-.000198	-.000198	0	0
6	SUP1	PY	-.000198	-.000198	0	0
7	SR12	PY	-4.8e-5	-4.8e-5	0	0
8	SR11	PY	-4.8e-5	-4.8e-5	0	0
9	SR10	PY	-4.8e-5	-4.8e-5	0	0
10	SR9	PY	-4.8e-5	-4.8e-5	0	0
11	SR8	PY	-4.8e-5	-4.8e-5	0	0
12	SR7	PY	-4.8e-5	-4.8e-5	0	0
13	SR6	PY	-4.8e-5	-4.8e-5	0	0
14	SR5	PY	-4.8e-5	-4.8e-5	0	0
15	SR4	PY	-4.8e-5	-4.8e-5	0	0
16	SR3	PY	-4.8e-5	-4.8e-5	0	0
17	SR2	PY	-4.8e-5	-4.8e-5	0	0
18	SR1	PY	-4.8e-5	-4.8e-5	0	0
19	SO3	PY	-.000248	-.000248	0	0
20	SO2	PY	-.000248	-.000248	0	0
21	SO1	PY	-.000248	-.000248	0	0
22	RPL6	PY	-.000496	-.000496	0	0
23	RPL5	PY	-.000496	-.000496	0	0
24	RPL4	PY	-.000496	-.000496	0	0
25	RPL3	PY	-.000496	-.000496	0	0
26	RPL2	PY	-.000496	-.000496	0	0
27	RPL1	PY	-.000496	-.000496	0	0
28	RAIL1	PY	-.000183	-.000183	0	0
29	RAIL2	PY	-.000183	-.000183	0	0
30	RAIL3	PY	-9.1e-5	-9.1e-5	0	0
31	PL12	PY	-.000595	-.000595	0	0

Member Distributed Loads (BLC 25 : Maintanence (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
32	PL11	PY	-.000595	-.000595	0	0
33	PL10	PY	-.000595	-.000595	0	0
34	PL9	PY	-.000595	-.000595	0	0
35	PL8	PY	-.000595	-.000595	0	0
36	PL7	PY	-.000595	-.000595	0	0
37	PL6	PY	-.000595	-.000595	0	0
38	PL5	PY	-.000595	-.000595	0	0
39	PL4	PY	-.000595	-.000595	0	0
40	PL3	PY	-.000595	-.000595	0	0
41	PL2	PY	-.000595	-.000595	0	0
42	PL1	PY	-.000595	-.000595	0	0
43	MP GAMMA5	PY	-.000283	-.000283	0	0
44	MP GAMMA4	PY	-.000283	-.000283	0	0
45	MP GAMMA3	PY	-.000283	-.000283	0	0
46	MP GAMMA2	PY	-.000283	-.000283	0	0
47	MP GAMMA1	PY	-.000283	-.000283	0	0
48	MP BETA5	PY	-.000283	-.000283	0	0
49	MP BETA4	PY	-.000283	-.000283	0	0
50	MP BETA3	PY	-.000283	-.000283	0	0
51	MP BETA2	PY	-.000283	-.000283	0	0
52	MP BETA1	PY	-.000283	-.000283	0	0
53	MP ALPHA5	PY	-.000283	-.000283	0	0
54	MP ALPHA4	PY	-.000283	-.000283	0	0
55	MP ALPHA3	PY	-.000283	-.000283	0	0
56	MP ALPHA2	PY	-.000283	-.000283	0	0
57	MP ALPHA1	PY	-.000283	-.000283	0	0
58	KICK3	PY	-.000496	-.000496	0	0
59	KICK2	PY	-.000496	-.000496	0	0
60	KICK1	PY	-.000496	-.000496	0	0
61	FACE1	PY	-.00027	-.00027	0	0
62	FACE2	PY	-.00027	-.00027	0	0
63	FACE3	PY	-.000135	-.000135	0	0
64	CR6	PY	-.000248	-.000248	0	0
65	CR5	PY	-.000248	-.000248	0	0
66	CR4	PY	-.000248	-.000248	0	0
67	CR3	PY	-.000248	-.000248	0	0
68	CR2	PY	-.000248	-.000248	0	0
69	CR1	PY	-.000248	-.000248	0	0
70	CORN PL9	PY	-.000595	-.000595	0	0
71	CORN PL8	PY	-.000595	-.000595	0	0
72	CORN PL7	PY	-.000595	-.000595	0	0
73	CORN PL6	PY	-.000595	-.000595	0	0
74	CORN PL5	PY	-.000595	-.000595	0	0
75	CORN PL4	PY	-.000595	-.000595	0	0
76	CORN PL3	PY	-.000595	-.000595	0	0
77	CORN PL2	PY	-.000595	-.000595	0	0
78	CORN PL1	PY	-.000595	-.000595	0	0
79	ANGLE3	PY	-.000248	-.000248	0	0
80	ANGLE2	PY	-.000248	-.000248	0	0
81	ANGLE1	PY	-.000248	-.000248	0	0
82	SUP6	PX	.000343	.000343	0	0
83	SUP5	PX	.000343	.000343	0	0

Member Distributed Loads (BLC 25 : Maintanence (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
84	SUP4	PX	.000343	.000343	0	0
85	SUP3	PX	.000343	.000343	0	0
86	SUP2	PX	.000343	.000343	0	0
87	SUP1	PX	.000343	.000343	0	0
88	SR12	PX	8.3e-5	8.3e-5	0	0
89	SR11	PX	8.3e-5	8.3e-5	0	0
90	SR10	PX	8.3e-5	8.3e-5	0	0
91	SR9	PX	8.3e-5	8.3e-5	0	0
92	SR8	PX	8.3e-5	8.3e-5	0	0
93	SR7	PX	8.3e-5	8.3e-5	0	0
94	SR6	PX	8.3e-5	8.3e-5	0	0
95	SR5	PX	8.3e-5	8.3e-5	0	0
96	SR4	PX	8.3e-5	8.3e-5	0	0
97	SR3	PX	8.3e-5	8.3e-5	0	0
98	SR2	PX	8.3e-5	8.3e-5	0	0
99	SR1	PX	8.3e-5	8.3e-5	0	0
100	SO3	PX	.000429	.000429	0	0
101	SO2	PX	.000429	.000429	0	0
102	SO1	PX	.000429	.000429	0	0
103	RPL6	PX	.000859	.000859	0	0
104	RPL5	PX	.000859	.000859	0	0
105	RPL4	PX	.000859	.000859	0	0
106	RPL3	PX	.000859	.000859	0	0
107	RPL2	PX	.000859	.000859	0	0
108	RPL1	PX	.000859	.000859	0	0
109	RAIL1	PX	.000317	.000317	0	0
110	RAIL2	PX	.000317	.000317	0	0
111	RAIL3	PX	.000158	.000158	0	0
112	PL12	PX	.001	.001	0	0
113	PL11	PX	.001	.001	0	0
114	PL10	PX	.001	.001	0	0
115	PL9	PX	.001	.001	0	0
116	PL8	PX	.001	.001	0	0
117	PL7	PX	.001	.001	0	0
118	PL6	PX	.001	.001	0	0
119	PL5	PX	.001	.001	0	0
120	PL4	PX	.001	.001	0	0
121	PL3	PX	.001	.001	0	0
122	PL2	PX	.001	.001	0	0
123	PL1	PX	.001	.001	0	0
124	MP GAMMA5	PX	.000489	.000489	0	0
125	MP GAMMA4	PX	.000489	.000489	0	0
126	MP GAMMA3	PX	.000489	.000489	0	0
127	MP GAMMA2	PX	.000489	.000489	0	0
128	MP GAMMA1	PX	.000489	.000489	0	0
129	MP BETA5	PX	.000489	.000489	0	0
130	MP BETA4	PX	.000489	.000489	0	0
131	MP BETA3	PX	.000489	.000489	0	0
132	MP BETA2	PX	.000489	.000489	0	0
133	MP BETA1	PX	.000489	.000489	0	0
134	MP ALPHA5	PX	.000489	.000489	0	0
135	MP ALPHA4	PX	.000489	.000489	0	0

Member Distributed Loads (BLC 25 : Maintanence (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
136	MP ALPHA3	PX	.000489	.000489	0	0
137	MP ALPHA2	PX	.000489	.000489	0	0
138	MP ALPHA1	PX	.000489	.000489	0	0
139	KICK3	PX	.000859	.000859	0	0
140	KICK2	PX	.000859	.000859	0	0
141	KICK1	PX	.000859	.000859	0	0
142	FACE1	PX	.000467	.000467	0	0
143	FACE2	PX	.000467	.000467	0	0
144	FACE3	PX	.000234	.000234	0	0
145	CR6	PX	.000429	.000429	0	0
146	CR5	PX	.000429	.000429	0	0
147	CR4	PX	.000429	.000429	0	0
148	CR3	PX	.000429	.000429	0	0
149	CR2	PX	.000429	.000429	0	0
150	CR1	PX	.000429	.000429	0	0
151	CORN PL9	PX	.001	.001	0	0
152	CORN PL8	PX	.001	.001	0	0
153	CORN PL7	PX	.001	.001	0	0
154	CORN PL6	PX	.001	.001	0	0
155	CORN PL5	PX	.001	.001	0	0
156	CORN PL4	PX	.001	.001	0	0
157	CORN PL3	PX	.001	.001	0	0
158	CORN PL2	PX	.001	.001	0	0
159	CORN PL1	PX	.001	.001	0	0
160	ANGLE3	PX	.000429	.000429	0	0
161	ANGLE2	PX	.000429	.000429	0	0
162	ANGLE1	PX	.000429	.000429	0	0

Member Distributed Loads (BLC 26 : Maintanence (330))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.000343	-.000343	0	0
2	SUP5	PY	-.000343	-.000343	0	0
3	SUP4	PY	-.000343	-.000343	0	0
4	SUP3	PY	-.000343	-.000343	0	0
5	SUP2	PY	-.000343	-.000343	0	0
6	SUP1	PY	-.000343	-.000343	0	0
7	SR12	PY	-8.3e-5	-8.3e-5	0	0
8	SR11	PY	-8.3e-5	-8.3e-5	0	0
9	SR10	PY	-8.3e-5	-8.3e-5	0	0
10	SR9	PY	-8.3e-5	-8.3e-5	0	0
11	SR8	PY	-8.3e-5	-8.3e-5	0	0
12	SR7	PY	-8.3e-5	-8.3e-5	0	0
13	SR6	PY	-8.3e-5	-8.3e-5	0	0
14	SR5	PY	-8.3e-5	-8.3e-5	0	0
15	SR4	PY	-8.3e-5	-8.3e-5	0	0
16	SR3	PY	-8.3e-5	-8.3e-5	0	0
17	SR2	PY	-8.3e-5	-8.3e-5	0	0
18	SR1	PY	-8.3e-5	-8.3e-5	0	0
19	SO3	PY	-.000429	-.000429	0	0
20	SO2	PY	-.000429	-.000429	0	0
21	SO1	PY	-.000429	-.000429	0	0

Member Distributed Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	RPL6	PY	-.000859	-.000859	0	0
23	RPL5	PY	-.000859	-.000859	0	0
24	RPL4	PY	-.000859	-.000859	0	0
25	RPL3	PY	-.000859	-.000859	0	0
26	RPL2	PY	-.000859	-.000859	0	0
27	RPL1	PY	-.000859	-.000859	0	0
28	RAIL3	PY	-.000317	-.000317	0	0
29	RAIL2	PY	-.000317	-.000317	0	0
30	RAIL1	PY	-.000158	-.000158	0	0
31	PL12	PY	-.001	-.001	0	0
32	PL11	PY	-.001	-.001	0	0
33	PL10	PY	-.001	-.001	0	0
34	PL9	PY	-.001	-.001	0	0
35	PL8	PY	-.001	-.001	0	0
36	PL7	PY	-.001	-.001	0	0
37	PL6	PY	-.001	-.001	0	0
38	PL5	PY	-.001	-.001	0	0
39	PL4	PY	-.001	-.001	0	0
40	PL3	PY	-.001	-.001	0	0
41	PL2	PY	-.001	-.001	0	0
42	PL1	PY	-.001	-.001	0	0
43	MP GAMMA5	PY	-.000489	-.000489	0	0
44	MP GAMMA4	PY	-.000489	-.000489	0	0
45	MP GAMMA3	PY	-.000489	-.000489	0	0
46	MP GAMMA2	PY	-.000489	-.000489	0	0
47	MP GAMMA1	PY	-.000489	-.000489	0	0
48	MP BETA5	PY	-.000489	-.000489	0	0
49	MP BETA4	PY	-.000489	-.000489	0	0
50	MP BETA3	PY	-.000489	-.000489	0	0
51	MP BETA2	PY	-.000489	-.000489	0	0
52	MP BETA1	PY	-.000489	-.000489	0	0
53	MP ALPHA5	PY	-.000489	-.000489	0	0
54	MP ALPHA4	PY	-.000489	-.000489	0	0
55	MP ALPHA3	PY	-.000489	-.000489	0	0
56	MP ALPHA2	PY	-.000489	-.000489	0	0
57	MP ALPHA1	PY	-.000489	-.000489	0	0
58	KICK3	PY	-.000859	-.000859	0	0
59	KICK2	PY	-.000859	-.000859	0	0
60	KICK1	PY	-.000859	-.000859	0	0
61	FACE3	PY	-.000467	-.000467	0	0
62	FACE2	PY	-.000467	-.000467	0	0
63	FACE1	PY	-.000234	-.000234	0	0
64	CR6	PY	-.000429	-.000429	0	0
65	CR5	PY	-.000429	-.000429	0	0
66	CR4	PY	-.000429	-.000429	0	0
67	CR3	PY	-.000429	-.000429	0	0
68	CR2	PY	-.000429	-.000429	0	0
69	CR1	PY	-.000429	-.000429	0	0
70	CORN PL9	PY	-.001	-.001	0	0
71	CORN PL8	PY	-.001	-.001	0	0
72	CORN PL7	PY	-.001	-.001	0	0
73	CORN PL6	PY	-.001	-.001	0	0

Member Distributed Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
74	CORN PL5	PY	-.001	-.001	0	0
75	CORN PL4	PY	-.001	-.001	0	0
76	CORN PL3	PY	-.001	-.001	0	0
77	CORN PL2	PY	-.001	-.001	0	0
78	CORN PL1	PY	-.001	-.001	0	0
79	ANGLE3	PY	-.000429	-.000429	0	0
80	ANGLE2	PY	-.000429	-.000429	0	0
81	ANGLE1	PY	-.000429	-.000429	0	0
82	SUP6	PX	.000198	.000198	0	0
83	SUP5	PX	.000198	.000198	0	0
84	SUP4	PX	.000198	.000198	0	0
85	SUP3	PX	.000198	.000198	0	0
86	SUP2	PX	.000198	.000198	0	0
87	SUP1	PX	.000198	.000198	0	0
88	SR12	PX	4.8e-5	4.8e-5	0	0
89	SR11	PX	4.8e-5	4.8e-5	0	0
90	SR10	PX	4.8e-5	4.8e-5	0	0
91	SR9	PX	4.8e-5	4.8e-5	0	0
92	SR8	PX	4.8e-5	4.8e-5	0	0
93	SR7	PX	4.8e-5	4.8e-5	0	0
94	SR6	PX	4.8e-5	4.8e-5	0	0
95	SR5	PX	4.8e-5	4.8e-5	0	0
96	SR4	PX	4.8e-5	4.8e-5	0	0
97	SR3	PX	4.8e-5	4.8e-5	0	0
98	SR2	PX	4.8e-5	4.8e-5	0	0
99	SR1	PX	4.8e-5	4.8e-5	0	0
100	SO3	PX	.000248	.000248	0	0
101	SO2	PX	.000248	.000248	0	0
102	SO1	PX	.000248	.000248	0	0
103	RPL6	PX	.000496	.000496	0	0
104	RPL5	PX	.000496	.000496	0	0
105	RPL4	PX	.000496	.000496	0	0
106	RPL3	PX	.000496	.000496	0	0
107	RPL2	PX	.000496	.000496	0	0
108	RPL1	PX	.000496	.000496	0	0
109	RAIL3	PX	.000183	.000183	0	0
110	RAIL2	PX	.000183	.000183	0	0
111	RAIL1	PX	9.1e-5	9.1e-5	0	0
112	PL12	PX	.000595	.000595	0	0
113	PL11	PX	.000595	.000595	0	0
114	PL10	PX	.000595	.000595	0	0
115	PL9	PX	.000595	.000595	0	0
116	PL8	PX	.000595	.000595	0	0
117	PL7	PX	.000595	.000595	0	0
118	PL6	PX	.000595	.000595	0	0
119	PL5	PX	.000595	.000595	0	0
120	PL4	PX	.000595	.000595	0	0
121	PL3	PX	.000595	.000595	0	0
122	PL2	PX	.000595	.000595	0	0
123	PL1	PX	.000595	.000595	0	0
124	MP GAMMA5	PX	.000283	.000283	0	0
125	MP GAMMA4	PX	.000283	.000283	0	0

Member Distributed Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
126	MP GAMMA3	PX	.000283	.000283	0	0
127	MP GAMMA2	PX	.000283	.000283	0	0
128	MP GAMMA1	PX	.000283	.000283	0	0
129	MP BETA5	PX	.000283	.000283	0	0
130	MP BETA4	PX	.000283	.000283	0	0
131	MP BETA3	PX	.000283	.000283	0	0
132	MP BETA2	PX	.000283	.000283	0	0
133	MP BETA1	PX	.000283	.000283	0	0
134	MP ALPHA5	PX	.000283	.000283	0	0
135	MP ALPHA4	PX	.000283	.000283	0	0
136	MP ALPHA3	PX	.000283	.000283	0	0
137	MP ALPHA2	PX	.000283	.000283	0	0
138	MP ALPHA1	PX	.000283	.000283	0	0
139	KICK3	PX	.000496	.000496	0	0
140	KICK2	PX	.000496	.000496	0	0
141	KICK1	PX	.000496	.000496	0	0
142	FACE3	PX	.00027	.00027	0	0
143	FACE2	PX	.00027	.00027	0	0
144	FACE1	PX	.000135	.000135	0	0
145	CR6	PX	.000248	.000248	0	0
146	CR5	PX	.000248	.000248	0	0
147	CR4	PX	.000248	.000248	0	0
148	CR3	PX	.000248	.000248	0	0
149	CR2	PX	.000248	.000248	0	0
150	CR1	PX	.000248	.000248	0	0
151	CORN PL9	PX	.000595	.000595	0	0
152	CORN PL8	PX	.000595	.000595	0	0
153	CORN PL7	PX	.000595	.000595	0	0
154	CORN PL6	PX	.000595	.000595	0	0
155	CORN PL5	PX	.000595	.000595	0	0
156	CORN PL4	PX	.000595	.000595	0	0
157	CORN PL3	PX	.000595	.000595	0	0
158	CORN PL2	PX	.000595	.000595	0	0
159	CORN PL1	PX	.000595	.000595	0	0
160	ANGLE3	PX	.000248	.000248	0	0
161	ANGLE2	PX	.000248	.000248	0	0
162	ANGLE1	PX	.000248	.000248	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	Z	-.011	-.011	0	0
2	SUP5	Z	-.011	-.011	0	0
3	SUP4	Z	-.011	-.011	0	0
4	SUP3	Z	-.011	-.011	0	0
5	SUP2	Z	-.011	-.011	0	0
6	SUP1	Z	-.011	-.011	0	0
7	SR12	Z	-.005	-.005	0	0
8	SR11	Z	-.005	-.005	0	0
9	SR10	Z	-.005	-.005	0	0
10	SR9	Z	-.005	-.005	0	0
11	SR8	Z	-.005	-.005	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	SR7	Z	-.005	-.005	0	0
13	SR6	Z	-.005	-.005	0	0
14	SR5	Z	-.005	-.005	0	0
15	SR4	Z	-.005	-.005	0	0
16	SR3	Z	-.005	-.005	0	0
17	SR2	Z	-.005	-.005	0	0
18	SR1	Z	-.005	-.005	0	0
19	SO3	Z	-.016	-.016	0	0
20	SO2	Z	-.016	-.016	0	0
21	SO1	Z	-.016	-.016	0	0
22	RPL6	Z	-.015	-.015	0	0
23	RPL5	Z	-.015	-.015	0	0
24	RPL4	Z	-.015	-.015	0	0
25	RPL3	Z	-.015	-.015	0	0
26	RPL2	Z	-.015	-.015	0	0
27	RPL1	Z	-.015	-.015	0	0
28	RAIL3	Z	-.009	-.009	0	0
29	RAIL2	Z	-.009	-.009	0	0
30	RAIL1	Z	-.009	-.009	0	0
31	PL12	Z	-.015	-.015	0	0
32	PL11	Z	-.015	-.015	0	0
33	PL10	Z	-.015	-.015	0	0
34	PL9	Z	-.015	-.015	0	0
35	PL8	Z	-.015	-.015	0	0
36	PL7	Z	-.015	-.015	0	0
37	PL6	Z	-.015	-.015	0	0
38	PL5	Z	-.015	-.015	0	0
39	PL4	Z	-.015	-.015	0	0
40	PL3	Z	-.015	-.015	0	0
41	PL2	Z	-.015	-.015	0	0
42	PL1	Z	-.015	-.015	0	0
43	MP GAMMA5	Z	-.009	-.009	0	0
44	MP GAMMA4	Z	-.009	-.009	0	0
45	MP GAMMA3	Z	-.009	-.009	0	0
46	MP GAMMA2	Z	-.009	-.009	0	0
47	MP GAMMA1	Z	-.009	-.009	0	0
48	MP BETA5	Z	-.009	-.009	0	0
49	MP BETA4	Z	-.009	-.009	0	0
50	MP BETA3	Z	-.009	-.009	0	0
51	MP BETA2	Z	-.009	-.009	0	0
52	MP BETA1	Z	-.009	-.009	0	0
53	MP ALPHA5	Z	-.009	-.009	0	0
54	MP ALPHA4	Z	-.009	-.009	0	0
55	MP ALPHA3	Z	-.009	-.009	0	0
56	MP ALPHA2	Z	-.009	-.009	0	0
57	MP ALPHA1	Z	-.009	-.009	0	0
58	KICK3	Z	-.019	-.019	0	0
59	KICK2	Z	-.019	-.019	0	0
60	KICK1	Z	-.019	-.019	0	0
61	FACE3	Z	-.012	-.012	0	0
62	FACE2	Z	-.012	-.012	0	0
63	FACE1	Z	-.012	-.012	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	CR6	Z	-.016	-.016	0	0
65	CR5	Z	-.016	-.016	0	0
66	CR4	Z	-.016	-.016	0	0
67	CR3	Z	-.016	-.016	0	0
68	CR2	Z	-.016	-.016	0	0
69	CR1	Z	-.016	-.016	0	0
70	CORN PL9	Z	-.015	-.015	0	0
71	CORN PL8	Z	-.015	-.015	0	0
72	CORN PL7	Z	-.015	-.015	0	0
73	CORN PL6	Z	-.015	-.015	0	0
74	CORN PL5	Z	-.015	-.015	0	0
75	CORN PL4	Z	-.015	-.015	0	0
76	CORN PL3	Z	-.015	-.015	0	0
77	CORN PL2	Z	-.015	-.015	0	0
78	CORN PL1	Z	-.015	-.015	0	0
79	ANGLE3	Z	-.012	-.012	0	0
80	ANGLE2	Z	-.012	-.012	0	0
81	ANGLE1	Z	-.012	-.012	0	0

Member Distributed Loads (BLC 28 : Ice Wind Load (0))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.003	-.003	0	0
2	SUP5	PY	-.003	-.003	0	0
3	SUP4	PY	-.003	-.003	0	0
4	SUP3	PY	-.003	-.003	0	0
5	SUP2	PY	-.003	-.003	0	0
6	SUP1	PY	-.003	-.003	0	0
7	SR12	PY	-.003	-.003	0	0
8	SR11	PY	-.003	-.003	0	0
9	SR10	PY	-.003	-.003	0	0
10	SR9	PY	-.003	-.003	0	0
11	SR8	PY	-.003	-.003	0	0
12	SR7	PY	-.003	-.003	0	0
13	SR6	PY	-.003	-.003	0	0
14	SR5	PY	-.003	-.003	0	0
15	SR4	PY	-.003	-.003	0	0
16	SR3	PY	-.003	-.003	0	0
17	SR2	PY	-.003	-.003	0	0
18	SR1	PY	-.003	-.003	0	0
19	SO3	PY	-.003	-.003	0	0
20	SO2	PY	-.003	-.003	0	0
21	SO1	PY	-.003	-.003	0	0
22	RPL6	PY	-.005	-.005	0	0
23	RPL5	PY	-.005	-.005	0	0
24	RPL4	PY	-.005	-.005	0	0
25	RPL3	PY	-.005	-.005	0	0
26	RPL2	PY	-.005	-.005	0	0
27	RPL1	PY	-.005	-.005	0	0
28	RAIL3	PY	-.004	-.004	0	0
29	RAIL2	PY	-.004	-.004	0	0
30	RAIL1	PY	-.002	-.002	0	0

Member Distributed Loads (BLC 28 : Ice Wind Load (0)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	PL12	PY	-.005	-.005	0	0
32	PL11	PY	-.005	-.005	0	0
33	PL10	PY	-.005	-.005	0	0
34	PL9	PY	-.005	-.005	0	0
35	PL8	PY	-.005	-.005	0	0
36	PL7	PY	-.005	-.005	0	0
37	PL6	PY	-.005	-.005	0	0
38	PL5	PY	-.005	-.005	0	0
39	PL4	PY	-.005	-.005	0	0
40	PL3	PY	-.005	-.005	0	0
41	PL2	PY	-.005	-.005	0	0
42	PL1	PY	-.005	-.005	0	0
43	MP GAMMA5	PY	-.004	-.004	0	0
44	MP GAMMA4	PY	-.004	-.004	0	0
45	MP GAMMA3	PY	-.004	-.004	0	0
46	MP GAMMA2	PY	-.004	-.004	0	0
47	MP GAMMA1	PY	-.004	-.004	0	0
48	MP BETA5	PY	-.004	-.004	0	0
49	MP BETA4	PY	-.004	-.004	0	0
50	MP BETA3	PY	-.004	-.004	0	0
51	MP BETA2	PY	-.004	-.004	0	0
52	MP BETA1	PY	-.004	-.004	0	0
53	MP ALPHA5	PY	-.004	-.004	0	0
54	MP ALPHA4	PY	-.004	-.004	0	0
55	MP ALPHA3	PY	-.004	-.004	0	0
56	MP ALPHA2	PY	-.004	-.004	0	0
57	MP ALPHA1	PY	-.004	-.004	0	0
58	KICK3	PY	-.007	-.007	0	0
59	KICK2	PY	-.007	-.007	0	0
60	KICK1	PY	-.007	-.007	0	0
61	FACE3	PY	-.005	-.005	0	0
62	FACE2	PY	-.005	-.005	0	0
63	FACE1	PY	-.002	-.002	0	0
64	CR6	PY	-.003	-.003	0	0
65	CR5	PY	-.003	-.003	0	0
66	CR4	PY	-.003	-.003	0	0
67	CR3	PY	-.003	-.003	0	0
68	CR2	PY	-.003	-.003	0	0
69	CR1	PY	-.003	-.003	0	0
70	CORN PL9	PY	-.005	-.005	0	0
71	CORN PL8	PY	-.005	-.005	0	0
72	CORN PL7	PY	-.005	-.005	0	0
73	CORN PL6	PY	-.005	-.005	0	0
74	CORN PL5	PY	-.005	-.005	0	0
75	CORN PL4	PY	-.005	-.005	0	0
76	CORN PL3	PY	-.005	-.005	0	0
77	CORN PL2	PY	-.005	-.005	0	0
78	CORN PL1	PY	-.005	-.005	0	0
79	ANGLE3	PY	-.003	-.003	0	0
80	ANGLE2	PY	-.003	-.003	0	0
81	ANGLE1	PY	-.003	-.003	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.003	-.003	0	0
2	SUP5	PY	-.003	-.003	0	0
3	SUP4	PY	-.003	-.003	0	0
4	SUP3	PY	-.003	-.003	0	0
5	SUP2	PY	-.003	-.003	0	0
6	SUP1	PY	-.003	-.003	0	0
7	SR12	PY	-.002	-.002	0	0
8	SR11	PY	-.002	-.002	0	0
9	SR10	PY	-.002	-.002	0	0
10	SR9	PY	-.002	-.002	0	0
11	SR8	PY	-.002	-.002	0	0
12	SR7	PY	-.002	-.002	0	0
13	SR6	PY	-.002	-.002	0	0
14	SR5	PY	-.002	-.002	0	0
15	SR4	PY	-.002	-.002	0	0
16	SR3	PY	-.002	-.002	0	0
17	SR2	PY	-.002	-.002	0	0
18	SR1	PY	-.002	-.002	0	0
19	SO3	PY	-.002	-.002	0	0
20	SO2	PY	-.002	-.002	0	0
21	SO1	PY	-.002	-.002	0	0
22	RPL6	PY	-.004	-.004	0	0
23	RPL5	PY	-.004	-.004	0	0
24	RPL4	PY	-.004	-.004	0	0
25	RPL3	PY	-.004	-.004	0	0
26	RPL2	PY	-.004	-.004	0	0
27	RPL1	PY	-.004	-.004	0	0
28	RAIL3	PY	-.003	-.003	0	0
29	RAIL2	PY	-.003	-.003	0	0
30	RAIL1	PY	-.002	-.002	0	0
31	PL12	PY	-.004	-.004	0	0
32	PL11	PY	-.004	-.004	0	0
33	PL10	PY	-.004	-.004	0	0
34	PL9	PY	-.004	-.004	0	0
35	PL8	PY	-.004	-.004	0	0
36	PL7	PY	-.004	-.004	0	0
37	PL6	PY	-.004	-.004	0	0
38	PL5	PY	-.004	-.004	0	0
39	PL4	PY	-.004	-.004	0	0
40	PL3	PY	-.004	-.004	0	0
41	PL2	PY	-.004	-.004	0	0
42	PL1	PY	-.004	-.004	0	0
43	MP GAMMA5	PY	-.003	-.003	0	0
44	MP GAMMA4	PY	-.003	-.003	0	0
45	MP GAMMA3	PY	-.003	-.003	0	0
46	MP GAMMA2	PY	-.003	-.003	0	0
47	MP GAMMA1	PY	-.003	-.003	0	0
48	MP BETA5	PY	-.003	-.003	0	0
49	MP BETA4	PY	-.003	-.003	0	0
50	MP BETA3	PY	-.003	-.003	0	0
51	MP BETA2	PY	-.003	-.003	0	0
52	MP BETA1	PY	-.003	-.003	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP ALPHA5	PY	-.003	-.003	0	0
54	MP ALPHA4	PY	-.003	-.003	0	0
55	MP ALPHA3	PY	-.003	-.003	0	0
56	MP ALPHA2	PY	-.003	-.003	0	0
57	MP ALPHA1	PY	-.003	-.003	0	0
58	KICK3	PY	-.006	-.006	0	0
59	KICK2	PY	-.006	-.006	0	0
60	KICK1	PY	-.006	-.006	0	0
61	FACE3	PY	-.004	-.004	0	0
62	FACE2	PY	-.004	-.004	0	0
63	FACE1	PY	-.002	-.002	0	0
64	CR6	PY	-.002	-.002	0	0
65	CR5	PY	-.002	-.002	0	0
66	CR4	PY	-.002	-.002	0	0
67	CR3	PY	-.002	-.002	0	0
68	CR2	PY	-.002	-.002	0	0
69	CR1	PY	-.002	-.002	0	0
70	CORN PL9	PY	-.004	-.004	0	0
71	CORN PL8	PY	-.004	-.004	0	0
72	CORN PL7	PY	-.004	-.004	0	0
73	CORN PL6	PY	-.004	-.004	0	0
74	CORN PL5	PY	-.004	-.004	0	0
75	CORN PL4	PY	-.004	-.004	0	0
76	CORN PL3	PY	-.004	-.004	0	0
77	CORN PL2	PY	-.004	-.004	0	0
78	CORN PL1	PY	-.004	-.004	0	0
79	ANGLE3	PY	-.003	-.003	0	0
80	ANGLE2	PY	-.003	-.003	0	0
81	ANGLE1	PY	-.003	-.003	0	0
82	SUP6	PX	-.002	-.002	0	0
83	SUP5	PX	-.002	-.002	0	0
84	SUP4	PX	-.002	-.002	0	0
85	SUP3	PX	-.002	-.002	0	0
86	SUP2	PX	-.002	-.002	0	0
87	SUP1	PX	-.002	-.002	0	0
88	SR12	PX	-.001	-.001	0	0
89	SR11	PX	-.001	-.001	0	0
90	SR10	PX	-.001	-.001	0	0
91	SR9	PX	-.001	-.001	0	0
92	SR8	PX	-.001	-.001	0	0
93	SR7	PX	-.001	-.001	0	0
94	SR6	PX	-.001	-.001	0	0
95	SR5	PX	-.001	-.001	0	0
96	SR4	PX	-.001	-.001	0	0
97	SR3	PX	-.001	-.001	0	0
98	SR2	PX	-.001	-.001	0	0
99	SR1	PX	-.001	-.001	0	0
100	SO3	PX	-.001	-.001	0	0
101	SO2	PX	-.001	-.001	0	0
102	SO1	PX	-.001	-.001	0	0
103	RPL6	PX	-.002	-.002	0	0
104	RPL5	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	RPL4	PX	-.002	-.002	0	0
106	RPL3	PX	-.002	-.002	0	0
107	RPL2	PX	-.002	-.002	0	0
108	RPL1	PX	-.002	-.002	0	0
109	RAIL3	PX	-.002	-.002	0	0
110	RAIL2	PX	-.002	-.002	0	0
111	RAIL1	PX	-.000961	-.000961	0	0
112	PL12	PX	-.003	-.003	0	0
113	PL11	PX	-.003	-.003	0	0
114	PL10	PX	-.003	-.003	0	0
115	PL9	PX	-.003	-.003	0	0
116	PL8	PX	-.003	-.003	0	0
117	PL7	PX	-.003	-.003	0	0
118	PL6	PX	-.003	-.003	0	0
119	PL5	PX	-.003	-.003	0	0
120	PL4	PX	-.003	-.003	0	0
121	PL3	PX	-.003	-.003	0	0
122	PL2	PX	-.003	-.003	0	0
123	PL1	PX	-.003	-.003	0	0
124	MP GAMMA5	PX	-.002	-.002	0	0
125	MP GAMMA4	PX	-.002	-.002	0	0
126	MP GAMMA3	PX	-.002	-.002	0	0
127	MP GAMMA2	PX	-.002	-.002	0	0
128	MP GAMMA1	PX	-.002	-.002	0	0
129	MP BETA5	PX	-.002	-.002	0	0
130	MP BETA4	PX	-.002	-.002	0	0
131	MP BETA3	PX	-.002	-.002	0	0
132	MP BETA2	PX	-.002	-.002	0	0
133	MP BETA1	PX	-.002	-.002	0	0
134	MP ALPHA5	PX	-.002	-.002	0	0
135	MP ALPHA4	PX	-.002	-.002	0	0
136	MP ALPHA3	PX	-.002	-.002	0	0
137	MP ALPHA2	PX	-.002	-.002	0	0
138	MP ALPHA1	PX	-.002	-.002	0	0
139	KICK3	PX	-.003	-.003	0	0
140	KICK2	PX	-.003	-.003	0	0
141	KICK1	PX	-.003	-.003	0	0
142	FACE3	PX	-.002	-.002	0	0
143	FACE2	PX	-.002	-.002	0	0
144	FACE1	PX	-.001	-.001	0	0
145	CR6	PX	-.001	-.001	0	0
146	CR5	PX	-.001	-.001	0	0
147	CR4	PX	-.001	-.001	0	0
148	CR3	PX	-.001	-.001	0	0
149	CR2	PX	-.001	-.001	0	0
150	CR1	PX	-.001	-.001	0	0
151	CORN PL9	PX	-.003	-.003	0	0
152	CORN PL8	PX	-.003	-.003	0	0
153	CORN PL7	PX	-.003	-.003	0	0
154	CORN PL6	PX	-.003	-.003	0	0
155	CORN PL5	PX	-.003	-.003	0	0
156	CORN PL4	PX	-.003	-.003	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
157	CORN PL3	PX	-.003	-.003	0	0
158	CORN PL2	PX	-.003	-.003	0	0
159	CORN PL1	PX	-.003	-.003	0	0
160	ANGLE3	PX	-.002	-.002	0	0
161	ANGLE2	PX	-.002	-.002	0	0
162	ANGLE1	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.002	-.002	0	0
2	SUP5	PY	-.002	-.002	0	0
3	SUP4	PY	-.002	-.002	0	0
4	SUP3	PY	-.002	-.002	0	0
5	SUP2	PY	-.002	-.002	0	0
6	SUP1	PY	-.002	-.002	0	0
7	SR12	PY	-.001	-.001	0	0
8	SR11	PY	-.001	-.001	0	0
9	SR10	PY	-.001	-.001	0	0
10	SR9	PY	-.001	-.001	0	0
11	SR8	PY	-.001	-.001	0	0
12	SR7	PY	-.001	-.001	0	0
13	SR6	PY	-.001	-.001	0	0
14	SR5	PY	-.001	-.001	0	0
15	SR4	PY	-.001	-.001	0	0
16	SR3	PY	-.001	-.001	0	0
17	SR2	PY	-.001	-.001	0	0
18	SR1	PY	-.001	-.001	0	0
19	SO3	PY	-.001	-.001	0	0
20	SO2	PY	-.001	-.001	0	0
21	SO1	PY	-.001	-.001	0	0
22	RPL6	PY	-.002	-.002	0	0
23	RPL5	PY	-.002	-.002	0	0
24	RPL4	PY	-.002	-.002	0	0
25	RPL3	PY	-.002	-.002	0	0
26	RPL2	PY	-.002	-.002	0	0
27	RPL1	PY	-.002	-.002	0	0
28	RAIL3	PY	-.002	-.002	0	0
29	RAIL2	PY	-.002	-.002	0	0
30	RAIL1	PY	-.000961	-.000961	0	0
31	PL12	PY	-.003	-.003	0	0
32	PL11	PY	-.003	-.003	0	0
33	PL10	PY	-.003	-.003	0	0
34	PL9	PY	-.003	-.003	0	0
35	PL8	PY	-.003	-.003	0	0
36	PL7	PY	-.003	-.003	0	0
37	PL6	PY	-.003	-.003	0	0
38	PL5	PY	-.003	-.003	0	0
39	PL4	PY	-.003	-.003	0	0
40	PL3	PY	-.003	-.003	0	0
41	PL2	PY	-.003	-.003	0	0
42	PL1	PY	-.003	-.003	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	MP GAMMA5	PY	-.002	-.002	0	0
44	MP GAMMA4	PY	-.002	-.002	0	0
45	MP GAMMA3	PY	-.002	-.002	0	0
46	MP GAMMA2	PY	-.002	-.002	0	0
47	MP GAMMA1	PY	-.002	-.002	0	0
48	MP BETA5	PY	-.002	-.002	0	0
49	MP BETA4	PY	-.002	-.002	0	0
50	MP BETA3	PY	-.002	-.002	0	0
51	MP BETA2	PY	-.002	-.002	0	0
52	MP BETA1	PY	-.002	-.002	0	0
53	MP ALPHA5	PY	-.002	-.002	0	0
54	MP ALPHA4	PY	-.002	-.002	0	0
55	MP ALPHA3	PY	-.002	-.002	0	0
56	MP ALPHA2	PY	-.002	-.002	0	0
57	MP ALPHA1	PY	-.002	-.002	0	0
58	KICK3	PY	-.003	-.003	0	0
59	KICK2	PY	-.003	-.003	0	0
60	KICK1	PY	-.003	-.003	0	0
61	FACE3	PY	-.002	-.002	0	0
62	FACE2	PY	-.002	-.002	0	0
63	FACE1	PY	-.001	-.001	0	0
64	CR6	PY	-.001	-.001	0	0
65	CR5	PY	-.001	-.001	0	0
66	CR4	PY	-.001	-.001	0	0
67	CR3	PY	-.001	-.001	0	0
68	CR2	PY	-.001	-.001	0	0
69	CR1	PY	-.001	-.001	0	0
70	CORN PL9	PY	-.003	-.003	0	0
71	CORN PL8	PY	-.003	-.003	0	0
72	CORN PL7	PY	-.003	-.003	0	0
73	CORN PL6	PY	-.003	-.003	0	0
74	CORN PL5	PY	-.003	-.003	0	0
75	CORN PL4	PY	-.003	-.003	0	0
76	CORN PL3	PY	-.003	-.003	0	0
77	CORN PL2	PY	-.003	-.003	0	0
78	CORN PL1	PY	-.003	-.003	0	0
79	ANGLE3	PY	-.002	-.002	0	0
80	ANGLE2	PY	-.002	-.002	0	0
81	ANGLE1	PY	-.002	-.002	0	0
82	SUP6	PX	-.003	-.003	0	0
83	SUP5	PX	-.003	-.003	0	0
84	SUP4	PX	-.003	-.003	0	0
85	SUP3	PX	-.003	-.003	0	0
86	SUP2	PX	-.003	-.003	0	0
87	SUP1	PX	-.003	-.003	0	0
88	SR12	PX	-.002	-.002	0	0
89	SR11	PX	-.002	-.002	0	0
90	SR10	PX	-.002	-.002	0	0
91	SR9	PX	-.002	-.002	0	0
92	SR8	PX	-.002	-.002	0	0
93	SR7	PX	-.002	-.002	0	0
94	SR6	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
95	SR5	PX	-.002	-.002	0	0
96	SR4	PX	-.002	-.002	0	0
97	SR3	PX	-.002	-.002	0	0
98	SR2	PX	-.002	-.002	0	0
99	SR1	PX	-.002	-.002	0	0
100	SO3	PX	-.002	-.002	0	0
101	SO2	PX	-.002	-.002	0	0
102	SO1	PX	-.002	-.002	0	0
103	RPL6	PX	-.004	-.004	0	0
104	RPL5	PX	-.004	-.004	0	0
105	RPL4	PX	-.004	-.004	0	0
106	RPL3	PX	-.004	-.004	0	0
107	RPL2	PX	-.004	-.004	0	0
108	RPL1	PX	-.004	-.004	0	0
109	RAIL3	PX	-.003	-.003	0	0
110	RAIL2	PX	-.003	-.003	0	0
111	RAIL1	PX	-.002	-.002	0	0
112	PL12	PX	-.004	-.004	0	0
113	PL11	PX	-.004	-.004	0	0
114	PL10	PX	-.004	-.004	0	0
115	PL9	PX	-.004	-.004	0	0
116	PL8	PX	-.004	-.004	0	0
117	PL7	PX	-.004	-.004	0	0
118	PL6	PX	-.004	-.004	0	0
119	PL5	PX	-.004	-.004	0	0
120	PL4	PX	-.004	-.004	0	0
121	PL3	PX	-.004	-.004	0	0
122	PL2	PX	-.004	-.004	0	0
123	PL1	PX	-.004	-.004	0	0
124	MP GAMMA5	PX	-.003	-.003	0	0
125	MP GAMMA4	PX	-.003	-.003	0	0
126	MP GAMMA3	PX	-.003	-.003	0	0
127	MP GAMMA2	PX	-.003	-.003	0	0
128	MP GAMMA1	PX	-.003	-.003	0	0
129	MP BETA5	PX	-.003	-.003	0	0
130	MP BETA4	PX	-.003	-.003	0	0
131	MP BETA3	PX	-.003	-.003	0	0
132	MP BETA2	PX	-.003	-.003	0	0
133	MP BETA1	PX	-.003	-.003	0	0
134	MP ALPHA5	PX	-.003	-.003	0	0
135	MP ALPHA4	PX	-.003	-.003	0	0
136	MP ALPHA3	PX	-.003	-.003	0	0
137	MP ALPHA2	PX	-.003	-.003	0	0
138	MP ALPHA1	PX	-.003	-.003	0	0
139	KICK3	PX	-.006	-.006	0	0
140	KICK2	PX	-.006	-.006	0	0
141	KICK1	PX	-.006	-.006	0	0
142	FACE3	PX	-.004	-.004	0	0
143	FACE2	PX	-.004	-.004	0	0
144	FACE1	PX	-.002	-.002	0	0
145	CR6	PX	-.002	-.002	0	0
146	CR5	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
147	CR4	PX	-.002	-.002	0	0
148	CR3	PX	-.002	-.002	0	0
149	CR2	PX	-.002	-.002	0	0
150	CR1	PX	-.002	-.002	0	0
151	CORN PL9	PX	-.004	-.004	0	0
152	CORN PL8	PX	-.004	-.004	0	0
153	CORN PL7	PX	-.004	-.004	0	0
154	CORN PL6	PX	-.004	-.004	0	0
155	CORN PL5	PX	-.004	-.004	0	0
156	CORN PL4	PX	-.004	-.004	0	0
157	CORN PL3	PX	-.004	-.004	0	0
158	CORN PL2	PX	-.004	-.004	0	0
159	CORN PL1	PX	-.004	-.004	0	0
160	ANGLE3	PX	-.003	-.003	0	0
161	ANGLE2	PX	-.003	-.003	0	0
162	ANGLE1	PX	-.003	-.003	0	0

Member Distributed Loads (BLC 31 : Ice Wind Load (90))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PX	-.003	-.003	0	0
2	SUP5	PX	-.003	-.003	0	0
3	SUP4	PX	-.003	-.003	0	0
4	SUP3	PX	-.003	-.003	0	0
5	SUP2	PX	-.003	-.003	0	0
6	SUP1	PX	-.003	-.003	0	0
7	SR12	PX	-.003	-.003	0	0
8	SR11	PX	-.003	-.003	0	0
9	SR10	PX	-.003	-.003	0	0
10	SR9	PX	-.003	-.003	0	0
11	SR8	PX	-.003	-.003	0	0
12	SR7	PX	-.003	-.003	0	0
13	SR6	PX	-.003	-.003	0	0
14	SR5	PX	-.003	-.003	0	0
15	SR4	PX	-.003	-.003	0	0
16	SR3	PX	-.003	-.003	0	0
17	SR2	PX	-.003	-.003	0	0
18	SR1	PX	-.003	-.003	0	0
19	SO3	PX	-.003	-.003	0	0
20	SO2	PX	-.003	-.003	0	0
21	SO1	PX	-.003	-.003	0	0
22	RPL6	PX	-.005	-.005	0	0
23	RPL5	PX	-.005	-.005	0	0
24	RPL4	PX	-.005	-.005	0	0
25	RPL3	PX	-.005	-.005	0	0
26	RPL2	PX	-.005	-.005	0	0
27	RPL1	PX	-.005	-.005	0	0
28	RAIL3	PX	-.004	-.004	0	0
29	RAIL1	PX	-.004	-.004	0	0
30	RAIL2	PX	-.002	-.002	0	0
31	PL12	PX	-.005	-.005	0	0
32	PL11	PX	-.005	-.005	0	0

Member Distributed Loads (BLC 31 : Ice Wind Load (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	PL10	PX	-.005	-.005	0	0
34	PL9	PX	-.005	-.005	0	0
35	PL8	PX	-.005	-.005	0	0
36	PL7	PX	-.005	-.005	0	0
37	PL6	PX	-.005	-.005	0	0
38	PL5	PX	-.005	-.005	0	0
39	PL4	PX	-.005	-.005	0	0
40	PL3	PX	-.005	-.005	0	0
41	PL2	PX	-.005	-.005	0	0
42	PL1	PX	-.005	-.005	0	0
43	MP GAMMA5	PX	-.004	-.004	0	0
44	MP GAMMA4	PX	-.004	-.004	0	0
45	MP GAMMA3	PX	-.004	-.004	0	0
46	MP GAMMA2	PX	-.004	-.004	0	0
47	MP GAMMA1	PX	-.004	-.004	0	0
48	MP BETA5	PX	-.004	-.004	0	0
49	MP BETA4	PX	-.004	-.004	0	0
50	MP BETA3	PX	-.004	-.004	0	0
51	MP BETA2	PX	-.004	-.004	0	0
52	MP BETA1	PX	-.004	-.004	0	0
53	MP ALPHA5	PX	-.004	-.004	0	0
54	MP ALPHA4	PX	-.004	-.004	0	0
55	MP ALPHA3	PX	-.004	-.004	0	0
56	MP ALPHA2	PX	-.004	-.004	0	0
57	MP ALPHA1	PX	-.004	-.004	0	0
58	KICK3	PX	-.007	-.007	0	0
59	KICK2	PX	-.007	-.007	0	0
60	KICK1	PX	-.007	-.007	0	0
61	FACE3	PX	-.005	-.005	0	0
62	FACE1	PX	-.005	-.005	0	0
63	FACE2	PX	-.002	-.002	0	0
64	CR6	PX	-.003	-.003	0	0
65	CR5	PX	-.003	-.003	0	0
66	CR4	PX	-.003	-.003	0	0
67	CR3	PX	-.003	-.003	0	0
68	CR2	PX	-.003	-.003	0	0
69	CR1	PX	-.003	-.003	0	0
70	CORN PL9	PX	-.005	-.005	0	0
71	CORN PL8	PX	-.005	-.005	0	0
72	CORN PL7	PX	-.005	-.005	0	0
73	CORN PL6	PX	-.005	-.005	0	0
74	CORN PL5	PX	-.005	-.005	0	0
75	CORN PL4	PX	-.005	-.005	0	0
76	CORN PL3	PX	-.005	-.005	0	0
77	CORN PL2	PX	-.005	-.005	0	0
78	CORN PL1	PX	-.005	-.005	0	0
79	ANGLE3	PX	-.003	-.003	0	0
80	ANGLE2	PX	-.003	-.003	0	0
81	ANGLE1	PX	-.003	-.003	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120))

Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]

Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.002	.002	0	0
2	SUP5	PY	.002	.002	0	0
3	SUP4	PY	.002	.002	0	0
4	SUP3	PY	.002	.002	0	0
5	SUP2	PY	.002	.002	0	0
6	SUP1	PY	.002	.002	0	0
7	SR12	PY	.001	.001	0	0
8	SR11	PY	.001	.001	0	0
9	SR10	PY	.001	.001	0	0
10	SR9	PY	.001	.001	0	0
11	SR8	PY	.001	.001	0	0
12	SR7	PY	.001	.001	0	0
13	SR6	PY	.001	.001	0	0
14	SR5	PY	.001	.001	0	0
15	SR4	PY	.001	.001	0	0
16	SR3	PY	.001	.001	0	0
17	SR2	PY	.001	.001	0	0
18	SR1	PY	.001	.001	0	0
19	SO3	PY	.001	.001	0	0
20	SO2	PY	.001	.001	0	0
21	SO1	PY	.001	.001	0	0
22	RPL6	PY	.002	.002	0	0
23	RPL5	PY	.002	.002	0	0
24	RPL4	PY	.002	.002	0	0
25	RPL3	PY	.002	.002	0	0
26	RPL2	PY	.002	.002	0	0
27	RPL1	PY	.002	.002	0	0
28	RAIL3	PY	.002	.002	0	0
29	RAIL1	PY	.002	.002	0	0
30	RAIL2	PY	.000961	.000961	0	0
31	PL12	PY	.003	.003	0	0
32	PL11	PY	.003	.003	0	0
33	PL10	PY	.003	.003	0	0
34	PL9	PY	.003	.003	0	0
35	PL8	PY	.003	.003	0	0
36	PL7	PY	.003	.003	0	0
37	PL6	PY	.003	.003	0	0
38	PL5	PY	.003	.003	0	0
39	PL4	PY	.003	.003	0	0
40	PL3	PY	.003	.003	0	0
41	PL2	PY	.003	.003	0	0
42	PL1	PY	.003	.003	0	0
43	MP GAMMA5	PY	.002	.002	0	0
44	MP GAMMA4	PY	.002	.002	0	0
45	MP GAMMA3	PY	.002	.002	0	0
46	MP GAMMA2	PY	.002	.002	0	0
47	MP GAMMA1	PY	.002	.002	0	0
48	MP BETA5	PY	.002	.002	0	0
49	MP BETA4	PY	.002	.002	0	0
50	MP BETA3	PY	.002	.002	0	0
51	MP BETA2	PY	.002	.002	0	0
52	MP BETA1	PY	.002	.002	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP ALPHA5	PY	.002	.002	0	0
54	MP ALPHA4	PY	.002	.002	0	0
55	MP ALPHA3	PY	.002	.002	0	0
56	MP ALPHA2	PY	.002	.002	0	0
57	MP ALPHA1	PY	.002	.002	0	0
58	KICK3	PY	.003	.003	0	0
59	KICK2	PY	.003	.003	0	0
60	KICK1	PY	.003	.003	0	0
61	FACE3	PY	.002	.002	0	0
62	FACE1	PY	.002	.002	0	0
63	FACE2	PY	.001	.001	0	0
64	CR6	PY	.001	.001	0	0
65	CR5	PY	.001	.001	0	0
66	CR4	PY	.001	.001	0	0
67	CR3	PY	.001	.001	0	0
68	CR2	PY	.001	.001	0	0
69	CR1	PY	.001	.001	0	0
70	CORN PL9	PY	.003	.003	0	0
71	CORN PL8	PY	.003	.003	0	0
72	CORN PL7	PY	.003	.003	0	0
73	CORN PL6	PY	.003	.003	0	0
74	CORN PL5	PY	.003	.003	0	0
75	CORN PL4	PY	.003	.003	0	0
76	CORN PL3	PY	.003	.003	0	0
77	CORN PL2	PY	.003	.003	0	0
78	CORN PL1	PY	.003	.003	0	0
79	ANGLE3	PY	.002	.002	0	0
80	ANGLE2	PY	.002	.002	0	0
81	ANGLE1	PY	.002	.002	0	0
82	SUP6	PX	-.003	-.003	0	0
83	SUP5	PX	-.003	-.003	0	0
84	SUP4	PX	-.003	-.003	0	0
85	SUP3	PX	-.003	-.003	0	0
86	SUP2	PX	-.003	-.003	0	0
87	SUP1	PX	-.003	-.003	0	0
88	SR12	PX	-.002	-.002	0	0
89	SR11	PX	-.002	-.002	0	0
90	SR10	PX	-.002	-.002	0	0
91	SR9	PX	-.002	-.002	0	0
92	SR8	PX	-.002	-.002	0	0
93	SR7	PX	-.002	-.002	0	0
94	SR6	PX	-.002	-.002	0	0
95	SR5	PX	-.002	-.002	0	0
96	SR4	PX	-.002	-.002	0	0
97	SR3	PX	-.002	-.002	0	0
98	SR2	PX	-.002	-.002	0	0
99	SR1	PX	-.002	-.002	0	0
100	SO3	PX	-.002	-.002	0	0
101	SO2	PX	-.002	-.002	0	0
102	SO1	PX	-.002	-.002	0	0
103	RPL6	PX	-.004	-.004	0	0
104	RPL5	PX	-.004	-.004	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	RPL4	PX	-.004	-.004	0	0
106	RPL3	PX	-.004	-.004	0	0
107	RPL2	PX	-.004	-.004	0	0
108	RPL1	PX	-.004	-.004	0	0
109	RAIL3	PX	-.003	-.003	0	0
110	RAIL1	PX	-.003	-.003	0	0
111	RAIL2	PX	-.002	-.002	0	0
112	PL12	PX	-.004	-.004	0	0
113	PL11	PX	-.004	-.004	0	0
114	PL10	PX	-.004	-.004	0	0
115	PL9	PX	-.004	-.004	0	0
116	PL8	PX	-.004	-.004	0	0
117	PL7	PX	-.004	-.004	0	0
118	PL6	PX	-.004	-.004	0	0
119	PL5	PX	-.004	-.004	0	0
120	PL4	PX	-.004	-.004	0	0
121	PL3	PX	-.004	-.004	0	0
122	PL2	PX	-.004	-.004	0	0
123	PL1	PX	-.004	-.004	0	0
124	MP GAMMA5	PX	-.003	-.003	0	0
125	MP GAMMA4	PX	-.003	-.003	0	0
126	MP GAMMA3	PX	-.003	-.003	0	0
127	MP GAMMA2	PX	-.003	-.003	0	0
128	MP GAMMA1	PX	-.003	-.003	0	0
129	MP BETA5	PX	-.003	-.003	0	0
130	MP BETA4	PX	-.003	-.003	0	0
131	MP BETA3	PX	-.003	-.003	0	0
132	MP BETA2	PX	-.003	-.003	0	0
133	MP BETA1	PX	-.003	-.003	0	0
134	MP ALPHA5	PX	-.003	-.003	0	0
135	MP ALPHA4	PX	-.003	-.003	0	0
136	MP ALPHA3	PX	-.003	-.003	0	0
137	MP ALPHA2	PX	-.003	-.003	0	0
138	MP ALPHA1	PX	-.003	-.003	0	0
139	KICK3	PX	-.006	-.006	0	0
140	KICK2	PX	-.006	-.006	0	0
141	KICK1	PX	-.006	-.006	0	0
142	FACE3	PX	-.004	-.004	0	0
143	FACE1	PX	-.004	-.004	0	0
144	FACE2	PX	-.002	-.002	0	0
145	CR6	PX	-.002	-.002	0	0
146	CR5	PX	-.002	-.002	0	0
147	CR4	PX	-.002	-.002	0	0
148	CR3	PX	-.002	-.002	0	0
149	CR2	PX	-.002	-.002	0	0
150	CR1	PX	-.002	-.002	0	0
151	CORN PL9	PX	-.004	-.004	0	0
152	CORN PL8	PX	-.004	-.004	0	0
153	CORN PL7	PX	-.004	-.004	0	0
154	CORN PL6	PX	-.004	-.004	0	0
155	CORN PL5	PX	-.004	-.004	0	0
156	CORN PL4	PX	-.004	-.004	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
157	CORN PL3	PX	-.004	-.004	0	0
158	CORN PL2	PX	-.004	-.004	0	0
159	CORN PL1	PX	-.004	-.004	0	0
160	ANGLE3	PX	-.003	-.003	0	0
161	ANGLE2	PX	-.003	-.003	0	0
162	ANGLE1	PX	-.003	-.003	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.003	.003	0	0
2	SUP5	PY	.003	.003	0	0
3	SUP4	PY	.003	.003	0	0
4	SUP3	PY	.003	.003	0	0
5	SUP2	PY	.003	.003	0	0
6	SUP1	PY	.003	.003	0	0
7	SR12	PY	.002	.002	0	0
8	SR11	PY	.002	.002	0	0
9	SR10	PY	.002	.002	0	0
10	SR9	PY	.002	.002	0	0
11	SR8	PY	.002	.002	0	0
12	SR7	PY	.002	.002	0	0
13	SR6	PY	.002	.002	0	0
14	SR5	PY	.002	.002	0	0
15	SR4	PY	.002	.002	0	0
16	SR3	PY	.002	.002	0	0
17	SR2	PY	.002	.002	0	0
18	SR1	PY	.002	.002	0	0
19	SO3	PY	.002	.002	0	0
20	SO2	PY	.002	.002	0	0
21	SO1	PY	.002	.002	0	0
22	RPL6	PY	.004	.004	0	0
23	RPL5	PY	.004	.004	0	0
24	RPL4	PY	.004	.004	0	0
25	RPL3	PY	.004	.004	0	0
26	RPL2	PY	.004	.004	0	0
27	RPL1	PY	.004	.004	0	0
28	RAIL3	PY	.003	.003	0	0
29	RAIL1	PY	.003	.003	0	0
30	RAIL2	PY	.002	.002	0	0
31	PL12	PY	.004	.004	0	0
32	PL11	PY	.004	.004	0	0
33	PL10	PY	.004	.004	0	0
34	PL9	PY	.004	.004	0	0
35	PL8	PY	.004	.004	0	0
36	PL7	PY	.004	.004	0	0
37	PL6	PY	.004	.004	0	0
38	PL5	PY	.004	.004	0	0
39	PL4	PY	.004	.004	0	0
40	PL3	PY	.004	.004	0	0
41	PL2	PY	.004	.004	0	0
42	PL1	PY	.004	.004	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	MP GAMMA5	PY	.003	.003	0	0
44	MP GAMMA4	PY	.003	.003	0	0
45	MP GAMMA3	PY	.003	.003	0	0
46	MP GAMMA2	PY	.003	.003	0	0
47	MP GAMMA1	PY	.003	.003	0	0
48	MP BETA5	PY	.003	.003	0	0
49	MP BETA4	PY	.003	.003	0	0
50	MP BETA3	PY	.003	.003	0	0
51	MP BETA2	PY	.003	.003	0	0
52	MP BETA1	PY	.003	.003	0	0
53	MP ALPHA5	PY	.003	.003	0	0
54	MP ALPHA4	PY	.003	.003	0	0
55	MP ALPHA3	PY	.003	.003	0	0
56	MP ALPHA2	PY	.003	.003	0	0
57	MP ALPHA1	PY	.003	.003	0	0
58	KICK3	PY	.006	.006	0	0
59	KICK2	PY	.006	.006	0	0
60	KICK1	PY	.006	.006	0	0
61	FACE3	PY	.004	.004	0	0
62	FACE1	PY	.004	.004	0	0
63	FACE2	PY	.002	.002	0	0
64	CR6	PY	.002	.002	0	0
65	CR5	PY	.002	.002	0	0
66	CR4	PY	.002	.002	0	0
67	CR3	PY	.002	.002	0	0
68	CR2	PY	.002	.002	0	0
69	CR1	PY	.002	.002	0	0
70	CORN PL9	PY	.004	.004	0	0
71	CORN PL8	PY	.004	.004	0	0
72	CORN PL7	PY	.004	.004	0	0
73	CORN PL6	PY	.004	.004	0	0
74	CORN PL5	PY	.004	.004	0	0
75	CORN PL4	PY	.004	.004	0	0
76	CORN PL3	PY	.004	.004	0	0
77	CORN PL2	PY	.004	.004	0	0
78	CORN PL1	PY	.004	.004	0	0
79	ANGLE3	PY	.003	.003	0	0
80	ANGLE2	PY	.003	.003	0	0
81	ANGLE1	PY	.003	.003	0	0
82	SUP6	PX	-.002	-.002	0	0
83	SUP5	PX	-.002	-.002	0	0
84	SUP4	PX	-.002	-.002	0	0
85	SUP3	PX	-.002	-.002	0	0
86	SUP2	PX	-.002	-.002	0	0
87	SUP1	PX	-.002	-.002	0	0
88	SR12	PX	-.001	-.001	0	0
89	SR11	PX	-.001	-.001	0	0
90	SR10	PX	-.001	-.001	0	0
91	SR9	PX	-.001	-.001	0	0
92	SR8	PX	-.001	-.001	0	0
93	SR7	PX	-.001	-.001	0	0
94	SR6	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
95	SR5	PX	-.001	-.001	0	0
96	SR4	PX	-.001	-.001	0	0
97	SR3	PX	-.001	-.001	0	0
98	SR2	PX	-.001	-.001	0	0
99	SR1	PX	-.001	-.001	0	0
100	SO3	PX	-.001	-.001	0	0
101	SO2	PX	-.001	-.001	0	0
102	SO1	PX	-.001	-.001	0	0
103	RPL6	PX	-.002	-.002	0	0
104	RPL5	PX	-.002	-.002	0	0
105	RPL4	PX	-.002	-.002	0	0
106	RPL3	PX	-.002	-.002	0	0
107	RPL2	PX	-.002	-.002	0	0
108	RPL1	PX	-.002	-.002	0	0
109	RAIL3	PX	-.002	-.002	0	0
110	RAIL1	PX	-.002	-.002	0	0
111	RAIL2	PX	-.000961	-.000961	0	0
112	PL12	PX	-.003	-.003	0	0
113	PL11	PX	-.003	-.003	0	0
114	PL10	PX	-.003	-.003	0	0
115	PL9	PX	-.003	-.003	0	0
116	PL8	PX	-.003	-.003	0	0
117	PL7	PX	-.003	-.003	0	0
118	PL6	PX	-.003	-.003	0	0
119	PL5	PX	-.003	-.003	0	0
120	PL4	PX	-.003	-.003	0	0
121	PL3	PX	-.003	-.003	0	0
122	PL2	PX	-.003	-.003	0	0
123	PL1	PX	-.003	-.003	0	0
124	MP GAMMA5	PX	-.002	-.002	0	0
125	MP GAMMA4	PX	-.002	-.002	0	0
126	MP GAMMA3	PX	-.002	-.002	0	0
127	MP GAMMA2	PX	-.002	-.002	0	0
128	MP GAMMA1	PX	-.002	-.002	0	0
129	MP BETA5	PX	-.002	-.002	0	0
130	MP BETA4	PX	-.002	-.002	0	0
131	MP BETA3	PX	-.002	-.002	0	0
132	MP BETA2	PX	-.002	-.002	0	0
133	MP BETA1	PX	-.002	-.002	0	0
134	MP ALPHA5	PX	-.002	-.002	0	0
135	MP ALPHA4	PX	-.002	-.002	0	0
136	MP ALPHA3	PX	-.002	-.002	0	0
137	MP ALPHA2	PX	-.002	-.002	0	0
138	MP ALPHA1	PX	-.002	-.002	0	0
139	KICK3	PX	-.003	-.003	0	0
140	KICK2	PX	-.003	-.003	0	0
141	KICK1	PX	-.003	-.003	0	0
142	FACE3	PX	-.002	-.002	0	0
143	FACE1	PX	-.002	-.002	0	0
144	FACE2	PX	-.001	-.001	0	0
145	CR6	PX	-.001	-.001	0	0
146	CR5	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
147	CR4	PX	-.001	-.001	0	0
148	CR3	PX	-.001	-.001	0	0
149	CR2	PX	-.001	-.001	0	0
150	CR1	PX	-.001	-.001	0	0
151	CORN PL9	PX	-.003	-.003	0	0
152	CORN PL8	PX	-.003	-.003	0	0
153	CORN PL7	PX	-.003	-.003	0	0
154	CORN PL6	PX	-.003	-.003	0	0
155	CORN PL5	PX	-.003	-.003	0	0
156	CORN PL4	PX	-.003	-.003	0	0
157	CORN PL3	PX	-.003	-.003	0	0
158	CORN PL2	PX	-.003	-.003	0	0
159	CORN PL1	PX	-.003	-.003	0	0
160	ANGLE3	PX	-.002	-.002	0	0
161	ANGLE2	PX	-.002	-.002	0	0
162	ANGLE1	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 34 : Ice Wind Load (180))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.003	.003	0	0
2	SUP5	PY	.003	.003	0	0
3	SUP4	PY	.003	.003	0	0
4	SUP3	PY	.003	.003	0	0
5	SUP2	PY	.003	.003	0	0
6	SUP1	PY	.003	.003	0	0
7	SR12	PY	.003	.003	0	0
8	SR11	PY	.003	.003	0	0
9	SR10	PY	.003	.003	0	0
10	SR9	PY	.003	.003	0	0
11	SR8	PY	.003	.003	0	0
12	SR7	PY	.003	.003	0	0
13	SR6	PY	.003	.003	0	0
14	SR5	PY	.003	.003	0	0
15	SR4	PY	.003	.003	0	0
16	SR3	PY	.003	.003	0	0
17	SR2	PY	.003	.003	0	0
18	SR1	PY	.003	.003	0	0
19	SO3	PY	.003	.003	0	0
20	SO2	PY	.003	.003	0	0
21	SO1	PY	.003	.003	0	0
22	RPL6	PY	.005	.005	0	0
23	RPL5	PY	.005	.005	0	0
24	RPL4	PY	.005	.005	0	0
25	RPL3	PY	.005	.005	0	0
26	RPL2	PY	.005	.005	0	0
27	RPL1	PY	.005	.005	0	0
28	RAIL3	PY	.004	.004	0	0
29	RAIL1	PY	.004	.004	0	0
30	RAIL2	PY	.002	.002	0	0
31	PL12	PY	.005	.005	0	0
32	PL11	PY	.005	.005	0	0

Member Distributed Loads (BLC 34 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	PL10	PY	.005	.005	0	0
34	PL9	PY	.005	.005	0	0
35	PL8	PY	.005	.005	0	0
36	PL7	PY	.005	.005	0	0
37	PL6	PY	.005	.005	0	0
38	PL5	PY	.005	.005	0	0
39	PL4	PY	.005	.005	0	0
40	PL3	PY	.005	.005	0	0
41	PL2	PY	.005	.005	0	0
42	PL1	PY	.005	.005	0	0
43	MP GAMMA5	PY	.004	.004	0	0
44	MP GAMMA4	PY	.004	.004	0	0
45	MP GAMMA3	PY	.004	.004	0	0
46	MP GAMMA2	PY	.004	.004	0	0
47	MP GAMMA1	PY	.004	.004	0	0
48	MP BETA5	PY	.004	.004	0	0
49	MP BETA4	PY	.004	.004	0	0
50	MP BETA3	PY	.004	.004	0	0
51	MP BETA2	PY	.004	.004	0	0
52	MP BETA1	PY	.004	.004	0	0
53	MP ALPHA5	PY	.004	.004	0	0
54	MP ALPHA4	PY	.004	.004	0	0
55	MP ALPHA3	PY	.004	.004	0	0
56	MP ALPHA2	PY	.004	.004	0	0
57	MP ALPHA1	PY	.004	.004	0	0
58	KICK3	PY	.007	.007	0	0
59	KICK2	PY	.007	.007	0	0
60	KICK1	PY	.007	.007	0	0
61	FACE3	PY	.005	.005	0	0
62	FACE1	PY	.005	.005	0	0
63	FACE2	PY	.002	.002	0	0
64	CR6	PY	.003	.003	0	0
65	CR5	PY	.003	.003	0	0
66	CR4	PY	.003	.003	0	0
67	CR3	PY	.003	.003	0	0
68	CR2	PY	.003	.003	0	0
69	CR1	PY	.003	.003	0	0
70	CORN PL9	PY	.005	.005	0	0
71	CORN PL8	PY	.005	.005	0	0
72	CORN PL7	PY	.005	.005	0	0
73	CORN PL6	PY	.005	.005	0	0
74	CORN PL5	PY	.005	.005	0	0
75	CORN PL4	PY	.005	.005	0	0
76	CORN PL3	PY	.005	.005	0	0
77	CORN PL2	PY	.005	.005	0	0
78	CORN PL1	PY	.005	.005	0	0
79	ANGLE3	PY	.003	.003	0	0
80	ANGLE2	PY	.003	.003	0	0
81	ANGLE1	PY	.003	.003	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210))

Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.003	.003	0	0
2	SUP5	PY	.003	.003	0	0
3	SUP4	PY	.003	.003	0	0
4	SUP3	PY	.003	.003	0	0
5	SUP2	PY	.003	.003	0	0
6	SUP1	PY	.003	.003	0	0
7	SR12	PY	.002	.002	0	0
8	SR11	PY	.002	.002	0	0
9	SR10	PY	.002	.002	0	0
10	SR9	PY	.002	.002	0	0
11	SR8	PY	.002	.002	0	0
12	SR7	PY	.002	.002	0	0
13	SR6	PY	.002	.002	0	0
14	SR5	PY	.002	.002	0	0
15	SR4	PY	.002	.002	0	0
16	SR3	PY	.002	.002	0	0
17	SR2	PY	.002	.002	0	0
18	SR1	PY	.002	.002	0	0
19	SO3	PY	.002	.002	0	0
20	SO2	PY	.002	.002	0	0
21	SO1	PY	.002	.002	0	0
22	RPL6	PY	.004	.004	0	0
23	RPL5	PY	.004	.004	0	0
24	RPL4	PY	.004	.004	0	0
25	RPL3	PY	.004	.004	0	0
26	RPL2	PY	.004	.004	0	0
27	RPL1	PY	.004	.004	0	0
28	RAIL1	PY	.003	.003	0	0
29	RAIL2	PY	.003	.003	0	0
30	RAIL3	PY	.002	.002	0	0
31	PL12	PY	.004	.004	0	0
32	PL11	PY	.004	.004	0	0
33	PL10	PY	.004	.004	0	0
34	PL9	PY	.004	.004	0	0
35	PL8	PY	.004	.004	0	0
36	PL7	PY	.004	.004	0	0
37	PL6	PY	.004	.004	0	0
38	PL5	PY	.004	.004	0	0
39	PL4	PY	.004	.004	0	0
40	PL3	PY	.004	.004	0	0
41	PL2	PY	.004	.004	0	0
42	PL1	PY	.004	.004	0	0
43	MP GAMMA5	PY	.003	.003	0	0
44	MP GAMMA4	PY	.003	.003	0	0
45	MP GAMMA3	PY	.003	.003	0	0
46	MP GAMMA2	PY	.003	.003	0	0
47	MP GAMMA1	PY	.003	.003	0	0
48	MP BETA5	PY	.003	.003	0	0
49	MP BETA4	PY	.003	.003	0	0
50	MP BETA3	PY	.003	.003	0	0
51	MP BETA2	PY	.003	.003	0	0
52	MP BETA1	PY	.003	.003	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP ALPHA5	PY	.003	.003	0	0
54	MP ALPHA4	PY	.003	.003	0	0
55	MP ALPHA3	PY	.003	.003	0	0
56	MP ALPHA2	PY	.003	.003	0	0
57	MP ALPHA1	PY	.003	.003	0	0
58	KICK3	PY	.006	.006	0	0
59	KICK2	PY	.006	.006	0	0
60	KICK1	PY	.006	.006	0	0
61	FACE1	PY	.004	.004	0	0
62	FACE2	PY	.004	.004	0	0
63	FACE3	PY	.002	.002	0	0
64	CR6	PY	.002	.002	0	0
65	CR5	PY	.002	.002	0	0
66	CR4	PY	.002	.002	0	0
67	CR3	PY	.002	.002	0	0
68	CR2	PY	.002	.002	0	0
69	CR1	PY	.002	.002	0	0
70	CORN PL9	PY	.004	.004	0	0
71	CORN PL8	PY	.004	.004	0	0
72	CORN PL7	PY	.004	.004	0	0
73	CORN PL6	PY	.004	.004	0	0
74	CORN PL5	PY	.004	.004	0	0
75	CORN PL4	PY	.004	.004	0	0
76	CORN PL3	PY	.004	.004	0	0
77	CORN PL2	PY	.004	.004	0	0
78	CORN PL1	PY	.004	.004	0	0
79	ANGLE3	PY	.003	.003	0	0
80	ANGLE2	PY	.003	.003	0	0
81	ANGLE1	PY	.003	.003	0	0
82	SUP6	PX	.002	.002	0	0
83	SUP5	PX	.002	.002	0	0
84	SUP4	PX	.002	.002	0	0
85	SUP3	PX	.002	.002	0	0
86	SUP2	PX	.002	.002	0	0
87	SUP1	PX	.002	.002	0	0
88	SR12	PX	.001	.001	0	0
89	SR11	PX	.001	.001	0	0
90	SR10	PX	.001	.001	0	0
91	SR9	PX	.001	.001	0	0
92	SR8	PX	.001	.001	0	0
93	SR7	PX	.001	.001	0	0
94	SR6	PX	.001	.001	0	0
95	SR5	PX	.001	.001	0	0
96	SR4	PX	.001	.001	0	0
97	SR3	PX	.001	.001	0	0
98	SR2	PX	.001	.001	0	0
99	SR1	PX	.001	.001	0	0
100	SO3	PX	.001	.001	0	0
101	SO2	PX	.001	.001	0	0
102	SO1	PX	.001	.001	0	0
103	RPL6	PX	.002	.002	0	0
104	RPL5	PX	.002	.002	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	RPL4	PX	.002	.002	0	0
106	RPL3	PX	.002	.002	0	0
107	RPL2	PX	.002	.002	0	0
108	RPL1	PX	.002	.002	0	0
109	RAIL1	PX	.002	.002	0	0
110	RAIL2	PX	.002	.002	0	0
111	RAIL3	PX	.000961	.000961	0	0
112	PL12	PX	.003	.003	0	0
113	PL11	PX	.003	.003	0	0
114	PL10	PX	.003	.003	0	0
115	PL9	PX	.003	.003	0	0
116	PL8	PX	.003	.003	0	0
117	PL7	PX	.003	.003	0	0
118	PL6	PX	.003	.003	0	0
119	PL5	PX	.003	.003	0	0
120	PL4	PX	.003	.003	0	0
121	PL3	PX	.003	.003	0	0
122	PL2	PX	.003	.003	0	0
123	PL1	PX	.003	.003	0	0
124	MP GAMMA5	PX	.002	.002	0	0
125	MP GAMMA4	PX	.002	.002	0	0
126	MP GAMMA3	PX	.002	.002	0	0
127	MP GAMMA2	PX	.002	.002	0	0
128	MP GAMMA1	PX	.002	.002	0	0
129	MP BETA5	PX	.002	.002	0	0
130	MP BETA4	PX	.002	.002	0	0
131	MP BETA3	PX	.002	.002	0	0
132	MP BETA2	PX	.002	.002	0	0
133	MP BETA1	PX	.002	.002	0	0
134	MP ALPHA5	PX	.002	.002	0	0
135	MP ALPHA4	PX	.002	.002	0	0
136	MP ALPHA3	PX	.002	.002	0	0
137	MP ALPHA2	PX	.002	.002	0	0
138	MP ALPHA1	PX	.002	.002	0	0
139	KICK3	PX	.003	.003	0	0
140	KICK2	PX	.003	.003	0	0
141	KICK1	PX	.003	.003	0	0
142	FACE1	PX	.002	.002	0	0
143	FACE2	PX	.002	.002	0	0
144	FACE3	PX	.001	.001	0	0
145	CR6	PX	.001	.001	0	0
146	CR5	PX	.001	.001	0	0
147	CR4	PX	.001	.001	0	0
148	CR3	PX	.001	.001	0	0
149	CR2	PX	.001	.001	0	0
150	CR1	PX	.001	.001	0	0
151	CORN PL9	PX	.003	.003	0	0
152	CORN PL8	PX	.003	.003	0	0
153	CORN PL7	PX	.003	.003	0	0
154	CORN PL6	PX	.003	.003	0	0
155	CORN PL5	PX	.003	.003	0	0
156	CORN PL4	PX	.003	.003	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
157	CORN PL3	PX	.003	.003	0	0
158	CORN PL2	PX	.003	.003	0	0
159	CORN PL1	PX	.003	.003	0	0
160	ANGLE3	PX	.002	.002	0	0
161	ANGLE2	PX	.002	.002	0	0
162	ANGLE1	PX	.002	.002	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	.002	.002	0	0
2	SUP5	PY	.002	.002	0	0
3	SUP4	PY	.002	.002	0	0
4	SUP3	PY	.002	.002	0	0
5	SUP2	PY	.002	.002	0	0
6	SUP1	PY	.002	.002	0	0
7	SR12	PY	.001	.001	0	0
8	SR11	PY	.001	.001	0	0
9	SR10	PY	.001	.001	0	0
10	SR9	PY	.001	.001	0	0
11	SR8	PY	.001	.001	0	0
12	SR7	PY	.001	.001	0	0
13	SR6	PY	.001	.001	0	0
14	SR5	PY	.001	.001	0	0
15	SR4	PY	.001	.001	0	0
16	SR3	PY	.001	.001	0	0
17	SR2	PY	.001	.001	0	0
18	SR1	PY	.001	.001	0	0
19	SO3	PY	.001	.001	0	0
20	SO2	PY	.001	.001	0	0
21	SO1	PY	.001	.001	0	0
22	RPL6	PY	.002	.002	0	0
23	RPL5	PY	.002	.002	0	0
24	RPL4	PY	.002	.002	0	0
25	RPL3	PY	.002	.002	0	0
26	RPL2	PY	.002	.002	0	0
27	RPL1	PY	.002	.002	0	0
28	RAIL1	PY	.002	.002	0	0
29	RAIL2	PY	.002	.002	0	0
30	RAIL3	PY	.000961	.000961	0	0
31	PL12	PY	.003	.003	0	0
32	PL11	PY	.003	.003	0	0
33	PL10	PY	.003	.003	0	0
34	PL9	PY	.003	.003	0	0
35	PL8	PY	.003	.003	0	0
36	PL7	PY	.003	.003	0	0
37	PL6	PY	.003	.003	0	0
38	PL5	PY	.003	.003	0	0
39	PL4	PY	.003	.003	0	0
40	PL3	PY	.003	.003	0	0
41	PL2	PY	.003	.003	0	0
42	PL1	PY	.003	.003	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	MP GAMMA5	PY	.002	.002	0	0
44	MP GAMMA4	PY	.002	.002	0	0
45	MP GAMMA3	PY	.002	.002	0	0
46	MP GAMMA2	PY	.002	.002	0	0
47	MP GAMMA1	PY	.002	.002	0	0
48	MP BETA5	PY	.002	.002	0	0
49	MP BETA4	PY	.002	.002	0	0
50	MP BETA3	PY	.002	.002	0	0
51	MP BETA2	PY	.002	.002	0	0
52	MP BETA1	PY	.002	.002	0	0
53	MP ALPHA5	PY	.002	.002	0	0
54	MP ALPHA4	PY	.002	.002	0	0
55	MP ALPHA3	PY	.002	.002	0	0
56	MP ALPHA2	PY	.002	.002	0	0
57	MP ALPHA1	PY	.002	.002	0	0
58	KICK3	PY	.003	.003	0	0
59	KICK2	PY	.003	.003	0	0
60	KICK1	PY	.003	.003	0	0
61	FACE1	PY	.002	.002	0	0
62	FACE2	PY	.002	.002	0	0
63	FACE3	PY	.001	.001	0	0
64	CR6	PY	.001	.001	0	0
65	CR5	PY	.001	.001	0	0
66	CR4	PY	.001	.001	0	0
67	CR3	PY	.001	.001	0	0
68	CR2	PY	.001	.001	0	0
69	CR1	PY	.001	.001	0	0
70	CORN PL9	PY	.003	.003	0	0
71	CORN PL8	PY	.003	.003	0	0
72	CORN PL7	PY	.003	.003	0	0
73	CORN PL6	PY	.003	.003	0	0
74	CORN PL5	PY	.003	.003	0	0
75	CORN PL4	PY	.003	.003	0	0
76	CORN PL3	PY	.003	.003	0	0
77	CORN PL2	PY	.003	.003	0	0
78	CORN PL1	PY	.003	.003	0	0
79	ANGLE3	PY	.002	.002	0	0
80	ANGLE2	PY	.002	.002	0	0
81	ANGLE1	PY	.002	.002	0	0
82	SUP6	PX	.003	.003	0	0
83	SUP5	PX	.003	.003	0	0
84	SUP4	PX	.003	.003	0	0
85	SUP3	PX	.003	.003	0	0
86	SUP2	PX	.003	.003	0	0
87	SUP1	PX	.003	.003	0	0
88	SR12	PX	.002	.002	0	0
89	SR11	PX	.002	.002	0	0
90	SR10	PX	.002	.002	0	0
91	SR9	PX	.002	.002	0	0
92	SR8	PX	.002	.002	0	0
93	SR7	PX	.002	.002	0	0
94	SR6	PX	.002	.002	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
95	SR5	PX	.002	.002	0	0
96	SR4	PX	.002	.002	0	0
97	SR3	PX	.002	.002	0	0
98	SR2	PX	.002	.002	0	0
99	SR1	PX	.002	.002	0	0
100	SO3	PX	.002	.002	0	0
101	SO2	PX	.002	.002	0	0
102	SO1	PX	.002	.002	0	0
103	RPL6	PX	.004	.004	0	0
104	RPL5	PX	.004	.004	0	0
105	RPL4	PX	.004	.004	0	0
106	RPL3	PX	.004	.004	0	0
107	RPL2	PX	.004	.004	0	0
108	RPL1	PX	.004	.004	0	0
109	RAIL1	PX	.003	.003	0	0
110	RAIL2	PX	.003	.003	0	0
111	RAIL3	PX	.002	.002	0	0
112	PL12	PX	.004	.004	0	0
113	PL11	PX	.004	.004	0	0
114	PL10	PX	.004	.004	0	0
115	PL9	PX	.004	.004	0	0
116	PL8	PX	.004	.004	0	0
117	PL7	PX	.004	.004	0	0
118	PL6	PX	.004	.004	0	0
119	PL5	PX	.004	.004	0	0
120	PL4	PX	.004	.004	0	0
121	PL3	PX	.004	.004	0	0
122	PL2	PX	.004	.004	0	0
123	PL1	PX	.004	.004	0	0
124	MP GAMMA5	PX	.003	.003	0	0
125	MP GAMMA4	PX	.003	.003	0	0
126	MP GAMMA3	PX	.003	.003	0	0
127	MP GAMMA2	PX	.003	.003	0	0
128	MP GAMMA1	PX	.003	.003	0	0
129	MP BETA5	PX	.003	.003	0	0
130	MP BETA4	PX	.003	.003	0	0
131	MP BETA3	PX	.003	.003	0	0
132	MP BETA2	PX	.003	.003	0	0
133	MP BETA1	PX	.003	.003	0	0
134	MP ALPHA5	PX	.003	.003	0	0
135	MP ALPHA4	PX	.003	.003	0	0
136	MP ALPHA3	PX	.003	.003	0	0
137	MP ALPHA2	PX	.003	.003	0	0
138	MP ALPHA1	PX	.003	.003	0	0
139	KICK3	PX	.006	.006	0	0
140	KICK2	PX	.006	.006	0	0
141	KICK1	PX	.006	.006	0	0
142	FACE1	PX	.004	.004	0	0
143	FACE2	PX	.004	.004	0	0
144	FACE3	PX	.002	.002	0	0
145	CR6	PX	.002	.002	0	0
146	CR5	PX	.002	.002	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
147	CR4	PX	.002	.002	0	0
148	CR3	PX	.002	.002	0	0
149	CR2	PX	.002	.002	0	0
150	CR1	PX	.002	.002	0	0
151	CORN PL9	PX	.004	.004	0	0
152	CORN PL8	PX	.004	.004	0	0
153	CORN PL7	PX	.004	.004	0	0
154	CORN PL6	PX	.004	.004	0	0
155	CORN PL5	PX	.004	.004	0	0
156	CORN PL4	PX	.004	.004	0	0
157	CORN PL3	PX	.004	.004	0	0
158	CORN PL2	PX	.004	.004	0	0
159	CORN PL1	PX	.004	.004	0	0
160	ANGLE3	PX	.003	.003	0	0
161	ANGLE2	PX	.003	.003	0	0
162	ANGLE1	PX	.003	.003	0	0

Member Distributed Loads (BLC 37 : Ice Wind Load (270))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PX	.003	.003	0	0
2	SUP5	PX	.003	.003	0	0
3	SUP4	PX	.003	.003	0	0
4	SUP3	PX	.003	.003	0	0
5	SUP2	PX	.003	.003	0	0
6	SUP1	PX	.003	.003	0	0
7	SR12	PX	.003	.003	0	0
8	SR11	PX	.003	.003	0	0
9	SR10	PX	.003	.003	0	0
10	SR9	PX	.003	.003	0	0
11	SR8	PX	.003	.003	0	0
12	SR7	PX	.003	.003	0	0
13	SR6	PX	.003	.003	0	0
14	SR5	PX	.003	.003	0	0
15	SR4	PX	.003	.003	0	0
16	SR3	PX	.003	.003	0	0
17	SR2	PX	.003	.003	0	0
18	SR1	PX	.003	.003	0	0
19	SO3	PX	.003	.003	0	0
20	SO2	PX	.003	.003	0	0
21	SO1	PX	.003	.003	0	0
22	RPL6	PX	.005	.005	0	0
23	RPL5	PX	.005	.005	0	0
24	RPL4	PX	.005	.005	0	0
25	RPL3	PX	.005	.005	0	0
26	RPL2	PX	.005	.005	0	0
27	RPL1	PX	.005	.005	0	0
28	RAIL1	PX	.004	.004	0	0
29	RAIL2	PX	.004	.004	0	0
30	RAIL3	PX	.002	.002	0	0
31	PL12	PX	.005	.005	0	0
32	PL11	PX	.005	.005	0	0

Member Distributed Loads (BLC 37 : Ice Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	PL10	PX	.005	.005	0	0
34	PL9	PX	.005	.005	0	0
35	PL8	PX	.005	.005	0	0
36	PL7	PX	.005	.005	0	0
37	PL6	PX	.005	.005	0	0
38	PL5	PX	.005	.005	0	0
39	PL4	PX	.005	.005	0	0
40	PL3	PX	.005	.005	0	0
41	PL2	PX	.005	.005	0	0
42	PL1	PX	.005	.005	0	0
43	MP GAMMA5	PX	.004	.004	0	0
44	MP GAMMA4	PX	.004	.004	0	0
45	MP GAMMA3	PX	.004	.004	0	0
46	MP GAMMA2	PX	.004	.004	0	0
47	MP GAMMA1	PX	.004	.004	0	0
48	MP BETA5	PX	.004	.004	0	0
49	MP BETA4	PX	.004	.004	0	0
50	MP BETA3	PX	.004	.004	0	0
51	MP BETA2	PX	.004	.004	0	0
52	MP BETA1	PX	.004	.004	0	0
53	MP ALPHA5	PX	.004	.004	0	0
54	MP ALPHA4	PX	.004	.004	0	0
55	MP ALPHA3	PX	.004	.004	0	0
56	MP ALPHA2	PX	.004	.004	0	0
57	MP ALPHA1	PX	.004	.004	0	0
58	KICK3	PX	.007	.007	0	0
59	KICK2	PX	.007	.007	0	0
60	KICK1	PX	.007	.007	0	0
61	FACE1	PX	.005	.005	0	0
62	FACE2	PX	.005	.005	0	0
63	FACE3	PX	.002	.002	0	0
64	CR6	PX	.003	.003	0	0
65	CR5	PX	.003	.003	0	0
66	CR4	PX	.003	.003	0	0
67	CR3	PX	.003	.003	0	0
68	CR2	PX	.003	.003	0	0
69	CR1	PX	.003	.003	0	0
70	CORN PL9	PX	.005	.005	0	0
71	CORN PL8	PX	.005	.005	0	0
72	CORN PL7	PX	.005	.005	0	0
73	CORN PL6	PX	.005	.005	0	0
74	CORN PL5	PX	.005	.005	0	0
75	CORN PL4	PX	.005	.005	0	0
76	CORN PL3	PX	.005	.005	0	0
77	CORN PL2	PX	.005	.005	0	0
78	CORN PL1	PX	.005	.005	0	0
79	ANGLE3	PX	.003	.003	0	0
80	ANGLE2	PX	.003	.003	0	0
81	ANGLE1	PX	.003	.003	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300))

Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]

Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.002	-.002	0	0
2	SUP5	PY	-.002	-.002	0	0
3	SUP4	PY	-.002	-.002	0	0
4	SUP3	PY	-.002	-.002	0	0
5	SUP2	PY	-.002	-.002	0	0
6	SUP1	PY	-.002	-.002	0	0
7	SR12	PY	-.001	-.001	0	0
8	SR11	PY	-.001	-.001	0	0
9	SR10	PY	-.001	-.001	0	0
10	SR9	PY	-.001	-.001	0	0
11	SR8	PY	-.001	-.001	0	0
12	SR7	PY	-.001	-.001	0	0
13	SR6	PY	-.001	-.001	0	0
14	SR5	PY	-.001	-.001	0	0
15	SR4	PY	-.001	-.001	0	0
16	SR3	PY	-.001	-.001	0	0
17	SR2	PY	-.001	-.001	0	0
18	SR1	PY	-.001	-.001	0	0
19	SO3	PY	-.001	-.001	0	0
20	SO2	PY	-.001	-.001	0	0
21	SO1	PY	-.001	-.001	0	0
22	RPL6	PY	-.002	-.002	0	0
23	RPL5	PY	-.002	-.002	0	0
24	RPL4	PY	-.002	-.002	0	0
25	RPL3	PY	-.002	-.002	0	0
26	RPL2	PY	-.002	-.002	0	0
27	RPL1	PY	-.002	-.002	0	0
28	RAIL1	PY	-.002	-.002	0	0
29	RAIL2	PY	-.002	-.002	0	0
30	RAIL3	PY	-.000961	-.000961	0	0
31	PL12	PY	-.003	-.003	0	0
32	PL11	PY	-.003	-.003	0	0
33	PL10	PY	-.003	-.003	0	0
34	PL9	PY	-.003	-.003	0	0
35	PL8	PY	-.003	-.003	0	0
36	PL7	PY	-.003	-.003	0	0
37	PL6	PY	-.003	-.003	0	0
38	PL5	PY	-.003	-.003	0	0
39	PL4	PY	-.003	-.003	0	0
40	PL3	PY	-.003	-.003	0	0
41	PL2	PY	-.003	-.003	0	0
42	PL1	PY	-.003	-.003	0	0
43	MP GAMMA5	PY	-.002	-.002	0	0
44	MP GAMMA4	PY	-.002	-.002	0	0
45	MP GAMMA3	PY	-.002	-.002	0	0
46	MP GAMMA2	PY	-.002	-.002	0	0
47	MP GAMMA1	PY	-.002	-.002	0	0
48	MP BETA5	PY	-.002	-.002	0	0
49	MP BETA4	PY	-.002	-.002	0	0
50	MP BETA3	PY	-.002	-.002	0	0
51	MP BETA2	PY	-.002	-.002	0	0
52	MP BETA1	PY	-.002	-.002	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP ALPHA5	PY	-.002	-.002	0	0
54	MP ALPHA4	PY	-.002	-.002	0	0
55	MP ALPHA3	PY	-.002	-.002	0	0
56	MP ALPHA2	PY	-.002	-.002	0	0
57	MP ALPHA1	PY	-.002	-.002	0	0
58	KICK3	PY	-.003	-.003	0	0
59	KICK2	PY	-.003	-.003	0	0
60	KICK1	PY	-.003	-.003	0	0
61	FACE1	PY	-.002	-.002	0	0
62	FACE2	PY	-.002	-.002	0	0
63	FACE3	PY	-.001	-.001	0	0
64	CR6	PY	-.001	-.001	0	0
65	CR5	PY	-.001	-.001	0	0
66	CR4	PY	-.001	-.001	0	0
67	CR3	PY	-.001	-.001	0	0
68	CR2	PY	-.001	-.001	0	0
69	CR1	PY	-.001	-.001	0	0
70	CORN PL9	PY	-.003	-.003	0	0
71	CORN PL8	PY	-.003	-.003	0	0
72	CORN PL7	PY	-.003	-.003	0	0
73	CORN PL6	PY	-.003	-.003	0	0
74	CORN PL5	PY	-.003	-.003	0	0
75	CORN PL4	PY	-.003	-.003	0	0
76	CORN PL3	PY	-.003	-.003	0	0
77	CORN PL2	PY	-.003	-.003	0	0
78	CORN PL1	PY	-.003	-.003	0	0
79	ANGLE3	PY	-.002	-.002	0	0
80	ANGLE2	PY	-.002	-.002	0	0
81	ANGLE1	PY	-.002	-.002	0	0
82	SUP6	PX	.003	.003	0	0
83	SUP5	PX	.003	.003	0	0
84	SUP4	PX	.003	.003	0	0
85	SUP3	PX	.003	.003	0	0
86	SUP2	PX	.003	.003	0	0
87	SUP1	PX	.003	.003	0	0
88	SR12	PX	.002	.002	0	0
89	SR11	PX	.002	.002	0	0
90	SR10	PX	.002	.002	0	0
91	SR9	PX	.002	.002	0	0
92	SR8	PX	.002	.002	0	0
93	SR7	PX	.002	.002	0	0
94	SR6	PX	.002	.002	0	0
95	SR5	PX	.002	.002	0	0
96	SR4	PX	.002	.002	0	0
97	SR3	PX	.002	.002	0	0
98	SR2	PX	.002	.002	0	0
99	SR1	PX	.002	.002	0	0
100	SO3	PX	.002	.002	0	0
101	SO2	PX	.002	.002	0	0
102	SO1	PX	.002	.002	0	0
103	RPL6	PX	.004	.004	0	0
104	RPL5	PX	.004	.004	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	RPL4	PX	.004	.004	0	0
106	RPL3	PX	.004	.004	0	0
107	RPL2	PX	.004	.004	0	0
108	RPL1	PX	.004	.004	0	0
109	RAIL1	PX	.003	.003	0	0
110	RAIL2	PX	.003	.003	0	0
111	RAIL3	PX	.002	.002	0	0
112	PL12	PX	.004	.004	0	0
113	PL11	PX	.004	.004	0	0
114	PL10	PX	.004	.004	0	0
115	PL9	PX	.004	.004	0	0
116	PL8	PX	.004	.004	0	0
117	PL7	PX	.004	.004	0	0
118	PL6	PX	.004	.004	0	0
119	PL5	PX	.004	.004	0	0
120	PL4	PX	.004	.004	0	0
121	PL3	PX	.004	.004	0	0
122	PL2	PX	.004	.004	0	0
123	PL1	PX	.004	.004	0	0
124	MP GAMMA5	PX	.003	.003	0	0
125	MP GAMMA4	PX	.003	.003	0	0
126	MP GAMMA3	PX	.003	.003	0	0
127	MP GAMMA2	PX	.003	.003	0	0
128	MP GAMMA1	PX	.003	.003	0	0
129	MP BETA5	PX	.003	.003	0	0
130	MP BETA4	PX	.003	.003	0	0
131	MP BETA3	PX	.003	.003	0	0
132	MP BETA2	PX	.003	.003	0	0
133	MP BETA1	PX	.003	.003	0	0
134	MP ALPHA5	PX	.003	.003	0	0
135	MP ALPHA4	PX	.003	.003	0	0
136	MP ALPHA3	PX	.003	.003	0	0
137	MP ALPHA2	PX	.003	.003	0	0
138	MP ALPHA1	PX	.003	.003	0	0
139	KICK3	PX	.006	.006	0	0
140	KICK2	PX	.006	.006	0	0
141	KICK1	PX	.006	.006	0	0
142	FACE1	PX	.004	.004	0	0
143	FACE2	PX	.004	.004	0	0
144	FACE3	PX	.002	.002	0	0
145	CR6	PX	.002	.002	0	0
146	CR5	PX	.002	.002	0	0
147	CR4	PX	.002	.002	0	0
148	CR3	PX	.002	.002	0	0
149	CR2	PX	.002	.002	0	0
150	CR1	PX	.002	.002	0	0
151	CORN PL9	PX	.004	.004	0	0
152	CORN PL8	PX	.004	.004	0	0
153	CORN PL7	PX	.004	.004	0	0
154	CORN PL6	PX	.004	.004	0	0
155	CORN PL5	PX	.004	.004	0	0
156	CORN PL4	PX	.004	.004	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
157	CORN PL3	PX	.004	.004	0	0
158	CORN PL2	PX	.004	.004	0	0
159	CORN PL1	PX	.004	.004	0	0
160	ANGLE3	PX	.003	.003	0	0
161	ANGLE2	PX	.003	.003	0	0
162	ANGLE1	PX	.003	.003	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP6	PY	-.003	-.003	0	0
2	SUP5	PY	-.003	-.003	0	0
3	SUP4	PY	-.003	-.003	0	0
4	SUP3	PY	-.003	-.003	0	0
5	SUP2	PY	-.003	-.003	0	0
6	SUP1	PY	-.003	-.003	0	0
7	SR12	PY	-.002	-.002	0	0
8	SR11	PY	-.002	-.002	0	0
9	SR10	PY	-.002	-.002	0	0
10	SR9	PY	-.002	-.002	0	0
11	SR8	PY	-.002	-.002	0	0
12	SR7	PY	-.002	-.002	0	0
13	SR6	PY	-.002	-.002	0	0
14	SR5	PY	-.002	-.002	0	0
15	SR4	PY	-.002	-.002	0	0
16	SR3	PY	-.002	-.002	0	0
17	SR2	PY	-.002	-.002	0	0
18	SR1	PY	-.002	-.002	0	0
19	SO3	PY	-.002	-.002	0	0
20	SO2	PY	-.002	-.002	0	0
21	SO1	PY	-.002	-.002	0	0
22	RPL6	PY	-.004	-.004	0	0
23	RPL5	PY	-.004	-.004	0	0
24	RPL4	PY	-.004	-.004	0	0
25	RPL3	PY	-.004	-.004	0	0
26	RPL2	PY	-.004	-.004	0	0
27	RPL1	PY	-.004	-.004	0	0
28	RAIL3	PY	-.003	-.003	0	0
29	RAIL2	PY	-.003	-.003	0	0
30	RAIL1	PY	-.002	-.002	0	0
31	PL12	PY	-.004	-.004	0	0
32	PL11	PY	-.004	-.004	0	0
33	PL10	PY	-.004	-.004	0	0
34	PL9	PY	-.004	-.004	0	0
35	PL8	PY	-.004	-.004	0	0
36	PL7	PY	-.004	-.004	0	0
37	PL6	PY	-.004	-.004	0	0
38	PL5	PY	-.004	-.004	0	0
39	PL4	PY	-.004	-.004	0	0
40	PL3	PY	-.004	-.004	0	0
41	PL2	PY	-.004	-.004	0	0
42	PL1	PY	-.004	-.004	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	MP GAMMA5	PY	-.003	-.003	0	0
44	MP GAMMA4	PY	-.003	-.003	0	0
45	MP GAMMA3	PY	-.003	-.003	0	0
46	MP GAMMA2	PY	-.003	-.003	0	0
47	MP GAMMA1	PY	-.003	-.003	0	0
48	MP BETA5	PY	-.003	-.003	0	0
49	MP BETA4	PY	-.003	-.003	0	0
50	MP BETA3	PY	-.003	-.003	0	0
51	MP BETA2	PY	-.003	-.003	0	0
52	MP BETA1	PY	-.003	-.003	0	0
53	MP ALPHA5	PY	-.003	-.003	0	0
54	MP ALPHA4	PY	-.003	-.003	0	0
55	MP ALPHA3	PY	-.003	-.003	0	0
56	MP ALPHA2	PY	-.003	-.003	0	0
57	MP ALPHA1	PY	-.003	-.003	0	0
58	KICK3	PY	-.006	-.006	0	0
59	KICK2	PY	-.006	-.006	0	0
60	KICK1	PY	-.006	-.006	0	0
61	FACE3	PY	-.004	-.004	0	0
62	FACE2	PY	-.004	-.004	0	0
63	FACE1	PY	-.002	-.002	0	0
64	CR6	PY	-.002	-.002	0	0
65	CR5	PY	-.002	-.002	0	0
66	CR4	PY	-.002	-.002	0	0
67	CR3	PY	-.002	-.002	0	0
68	CR2	PY	-.002	-.002	0	0
69	CR1	PY	-.002	-.002	0	0
70	CORN PL9	PY	-.004	-.004	0	0
71	CORN PL8	PY	-.004	-.004	0	0
72	CORN PL7	PY	-.004	-.004	0	0
73	CORN PL6	PY	-.004	-.004	0	0
74	CORN PL5	PY	-.004	-.004	0	0
75	CORN PL4	PY	-.004	-.004	0	0
76	CORN PL3	PY	-.004	-.004	0	0
77	CORN PL2	PY	-.004	-.004	0	0
78	CORN PL1	PY	-.004	-.004	0	0
79	ANGLE3	PY	-.003	-.003	0	0
80	ANGLE2	PY	-.003	-.003	0	0
81	ANGLE1	PY	-.003	-.003	0	0
82	SUP6	PX	.002	.002	0	0
83	SUP5	PX	.002	.002	0	0
84	SUP4	PX	.002	.002	0	0
85	SUP3	PX	.002	.002	0	0
86	SUP2	PX	.002	.002	0	0
87	SUP1	PX	.002	.002	0	0
88	SR12	PX	.001	.001	0	0
89	SR11	PX	.001	.001	0	0
90	SR10	PX	.001	.001	0	0
91	SR9	PX	.001	.001	0	0
92	SR8	PX	.001	.001	0	0
93	SR7	PX	.001	.001	0	0
94	SR6	PX	.001	.001	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
95	SR5	PX	.001	.001	0	0
96	SR4	PX	.001	.001	0	0
97	SR3	PX	.001	.001	0	0
98	SR2	PX	.001	.001	0	0
99	SR1	PX	.001	.001	0	0
100	SO3	PX	.001	.001	0	0
101	SO2	PX	.001	.001	0	0
102	SO1	PX	.001	.001	0	0
103	RPL6	PX	.002	.002	0	0
104	RPL5	PX	.002	.002	0	0
105	RPL4	PX	.002	.002	0	0
106	RPL3	PX	.002	.002	0	0
107	RPL2	PX	.002	.002	0	0
108	RPL1	PX	.002	.002	0	0
109	RAIL3	PX	.002	.002	0	0
110	RAIL2	PX	.002	.002	0	0
111	RAIL1	PX	.000961	.000961	0	0
112	PL12	PX	.003	.003	0	0
113	PL11	PX	.003	.003	0	0
114	PL10	PX	.003	.003	0	0
115	PL9	PX	.003	.003	0	0
116	PL8	PX	.003	.003	0	0
117	PL7	PX	.003	.003	0	0
118	PL6	PX	.003	.003	0	0
119	PL5	PX	.003	.003	0	0
120	PL4	PX	.003	.003	0	0
121	PL3	PX	.003	.003	0	0
122	PL2	PX	.003	.003	0	0
123	PL1	PX	.003	.003	0	0
124	MP GAMMA5	PX	.002	.002	0	0
125	MP GAMMA4	PX	.002	.002	0	0
126	MP GAMMA3	PX	.002	.002	0	0
127	MP GAMMA2	PX	.002	.002	0	0
128	MP GAMMA1	PX	.002	.002	0	0
129	MP BETA5	PX	.002	.002	0	0
130	MP BETA4	PX	.002	.002	0	0
131	MP BETA3	PX	.002	.002	0	0
132	MP BETA2	PX	.002	.002	0	0
133	MP BETA1	PX	.002	.002	0	0
134	MP ALPHA5	PX	.002	.002	0	0
135	MP ALPHA4	PX	.002	.002	0	0
136	MP ALPHA3	PX	.002	.002	0	0
137	MP ALPHA2	PX	.002	.002	0	0
138	MP ALPHA1	PX	.002	.002	0	0
139	KICK3	PX	.003	.003	0	0
140	KICK2	PX	.003	.003	0	0
141	KICK1	PX	.003	.003	0	0
142	FACE3	PX	.002	.002	0	0
143	FACE2	PX	.002	.002	0	0
144	FACE1	PX	.001	.001	0	0
145	CR6	PX	.001	.001	0	0
146	CR5	PX	.001	.001	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
147	CR4	PX	.001	.001	0	0
148	CR3	PX	.001	.001	0	0
149	CR2	PX	.001	.001	0	0
150	CR1	PX	.001	.001	0	0
151	CORN PL9	PX	.003	.003	0	0
152	CORN PL8	PX	.003	.003	0	0
153	CORN PL7	PX	.003	.003	0	0
154	CORN PL6	PX	.003	.003	0	0
155	CORN PL5	PX	.003	.003	0	0
156	CORN PL4	PX	.003	.003	0	0
157	CORN PL3	PX	.003	.003	0	0
158	CORN PL2	PX	.003	.003	0	0
159	CORN PL1	PX	.003	.003	0	0
160	ANGLE3	PX	.002	.002	0	0
161	ANGLE2	PX	.002	.002	0	0
162	ANGLE1	PX	.002	.002	0	0

Member Distributed Loads (BLC 43 : BLC 3 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP2	Z	-.002	-.012	0	1.46
2	SUP2	Z	-.012	-.015	1.46	2.919
3	SUP2	Z	-.015	-.01	2.919	4.379
4	SUP1	Z	-.003	-.01	.876	2.627
5	SUP1	Z	-.01	-.017	2.627	4.379
6	SUP4	Z	-.003	-.01	.876	2.627
7	SUP4	Z	-.01	-.017	2.627	4.379
8	SUP3	Z	-.002	-.012	0	1.46
9	SUP3	Z	-.012	-.015	1.46	2.919
10	SUP3	Z	-.015	-.01	2.919	4.379
11	SUP6	Z	-.002	-.012	0	1.46
12	SUP6	Z	-.012	-.015	1.46	2.919
13	SUP6	Z	-.015	-.01	2.919	4.379
14	SUP5	Z	-.003	-.01	.876	2.627
15	SUP5	Z	-.01	-.017	2.627	4.379

Member Distributed Loads (BLC 44 : BLC 27 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP2	Z	-.006	-.02	.876	2.627
2	SUP2	Z	-.02	-.034	2.627	4.379
3	SUP1	Z	-.004	-.024	0	1.46
4	SUP1	Z	-.024	-.029	1.46	2.919
5	SUP1	Z	-.029	-.02	2.919	4.379
6	SUP4	Z	-.004	-.024	0	1.46
7	SUP4	Z	-.024	-.029	1.46	2.919
8	SUP4	Z	-.029	-.02	2.919	4.379
9	SUP3	Z	-.006	-.02	.876	2.627
10	SUP3	Z	-.02	-.034	2.627	4.379
11	SUP6	Z	-.006	-.02	.876	2.627
12	SUP6	Z	-.02	-.034	2.627	4.379
13	SUP5	Z	-.005	-.024	0	1.46
14	SUP5	Z	-.024	-.029	1.46	2.919

Member Distributed Loads (BLC 44 : BLC 27 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	SUP5	Z	-.029	-.02	2.919	4.379

Member Area Loads (BLC 3 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N49	N50	N48		Z	Two Way	-.01
2	N89	N88	N90		Z	Two Way	-.01
3	N68	N70	N69		Z	Two Way	-.01

Member Area Loads (BLC 27 : Ice Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N49	N50	N48		Z	Two Way	-.02
2	N89	N88	N90		Z	Two Way	-.02
3	N68	N70	N69		Z	Two Way	-.02

Basic Load Cases

	BLC Description	Category	X Grav...	Y Grav...	Z Gravi...	Joint	Point	Distrib...	Area(M...	Surfac...
1	Live Load	DL					1			
2	Wind Load (0)	DL					39	81		
3	Dead Load	DL			-1.1		39		3	
4	Wind Load (30)	DL					78	162		
5	Wind Load (60)	DL					78	162		
6	Wind Load (90)	DL					39	81		
7	Wind Load (120)	DL					78	162		
8	Wind Load (150)	DL					78	162		
9	Wind Load (180)	DL					39	81		
10	Wind Load (210)	DL					78	162		
11	Wind Load (240)	DL					78	162		
12	Wind Load (270)	DL					39	81		
13	Wind Load (300)	DL					78	162		
14	Wind Load (330)	DL					78	162		
15	Maintanence (0)	DL					39	81		
16	Maintanence (30)	DL					78	162		
17	Maintanence (60)	DL					78	162		
18	Maintanence (90)	DL					39	81		
19	Maintanence (120)	DL					78	162		
20	Maintanence (150)	DL					78	162		
21	Maintanence (180)	DL					39	81		
22	Maintanence (210)	DL					78	162		
23	Maintanence (240)	DL					78	162		
24	Maintanence (270)	DL					39	81		
25	Maintanence (300)	DL					78	162		
26	Maintanence (330)	DL					78	162		
27	Ice Dead Load	DL					39	81	3	
28	Ice Wind Load (0)	DL					39	81		
29	Ice Wind Load (30)	DL					78	162		
30	Ice Wind Load (60)	DL					78	162		
31	Ice Wind Load (90)	DL					39	81		
32	Ice Wind Load (120)	DL					78	162		

Basic Load Cases (Continued)

	BLC Description	Category	X Grav...	Y Grav...	Z Gravi...	Joint	Point	Distrib...	Area(M...	Surfac...
33	Ice Wind Load (150)	DL					78	162		
34	Ice Wind Load (180)	DL					39	81		
35	Ice Wind Load (210)	DL					78	162		
36	Ice Wind Load (240)	DL					78	162		
37	Ice Wind Load (270)	DL					39	81		
38	Ice Wind Load (300)	DL					78	162		
39	Ice Wind Load (330)	DL					78	162		
40	Earthquake (x-direction)	DL	-.113				39			
41	Earthquake (y-direction)	DL		-.113			39			
42	Earthquake (z-direction)	DL			-.045		39			
43	BLC 3 Transient Area Loads	None						15		
44	BLC 27 Transient Area Loads	None						15		

Load Combinations

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4D	Yes	Y		3	1.4																				
2	1.2D + 1.0W(0)	Yes	Y		3	1.2	2	1																		
3	1.2D + 1.0Di + 1.0Wi(0)	Yes	Y		3	1.2	27	1	28	1																
4	1.2D + 1.5L + 1.0Wl(0)	Yes	Y		3	1.2	1	1.5	15	1																
5	1.2D + 1.0W(30)	Yes	Y		3	1.2	4	1																		
6	1.2D + 1.0Di + 1.0Wi(30)	Yes	Y		3	1.2	27	1	29	1																
7	1.2D + 1.5L + 1.0Wl(30)	Yes	Y		3	1.2	1	1.5	16	1																
8	1.2D + 1.0W(60)	Yes	Y		3	1.2	5	1																		
9	1.2D + 1.0Di + 1.0Wi(60)	Yes	Y		3	1.2	27	1	30	1																
10	1.2D + 1.5L + 1.0Wl(60)	Yes	Y		3	1.2	1	1.5	17	1																
11	1.2D + 1.0W(90)	Yes	Y		3	1.2	6	1																		
12	1.2D + 1.0Di + 1.0Wi(90)	Yes	Y		3	1.2	27	1	31	1																
13	1.2D + 1.5L + 1.0Wl(90)	Yes	Y		3	1.2	1	1.5	18	1																
14	1.2D + 1.0W(120)	Yes	Y		3	1.2	7	1																		
15	1.2D + 1.0Di + 1.0Wi(120)	Yes	Y		3	1.2	27	1	32	1																
16	1.2D + 1.5L + 1.0Wl(120)	Yes	Y		3	1.2	1	1.5	19	1																
17	1.2D + 1.0W(150)	Yes	Y		3	1.2	8	1																		
18	1.2D + 1.0Di + 1.0Wi(150)	Yes	Y		3	1.2	27	1	33	1																
19	1.2D + 1.5L + 1.0Wl(150)	Yes	Y		3	1.2	1	1.5	20	1																
20	1.2D + 1.0W(180)	Yes	Y		3	1.2	9	1																		
21	1.2D + 1.0Di + 1.0Wi(180)	Yes	Y		3	1.2	27	1	34	1																
22	1.2D + 1.5L + 1.0Wl(180)	Yes	Y		3	1.2	1	1.5	21	1																
23	1.2D + 1.0W(210)	Yes	Y		3	1.2	10	1																		
24	1.2D + 1.0Di + 1.0Wi(210)	Yes	Y		3	1.2	27	1	35	1																
25	1.2D + 1.5L + 1.0Wl(210)	Yes	Y		3	1.2	1	1.5	22	1																
26	1.2D + 1.0W(240)	Yes	Y		3	1.2	11	1																		
27	1.2D + 1.0Di + 1.0Wi(240)	Yes	Y		3	1.2	27	1	36	1																
28	1.2D + 1.5L + 1.0Wl(240)	Yes	Y		3	1.2	1	1.5	23	1																
29	1.2D + 1.0W(270)	Yes	Y		3	1.2	12	1																		
30	1.2D + 1.0Di + 1.0Wi(270)	Yes	Y		3	1.2	27	1	37	1																
31	1.2D + 1.5L + 1.0Wl(270)	Yes	Y		3	1.2	1	1.5	24	1																
32	1.2D + 1.0W(300)	Yes	Y		3	1.2	13	1																		
33	1.2D + 1.0Di + 1.0Wi(300)	Yes	Y		3	1.2	27	1	38	1																
34	1.2D + 1.5L + 1.0Wl(300)	Yes	Y		3	1.2	1	1.5	25	1																
35	1.2D + 1.0W(330)	Yes	Y		3	1.2	14	1																		

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
36	1.2D + 1.0Di + 1.0Wi(330)	Yes	Y		3	1.2	27	1	39	1														
37	1.2D + 1.5L + 1.0Wi(330)	Yes	Y		3	1.2	1	1.5	26	1														
38	1.2D + 1.0E(x) + 1.0E(z) + L	Yes	Y		3	1.2	40	1	42	1	1	1												
39	1.2D + 1.0E(y) + 1.0E(z) + L	Yes	Y		3	1.2	41	1	42	1	1	1												
40	1.2D - 1.0E(x) + 1.0E(z) + L	Yes	Y		3	1.2	40	-1	42	1	1	1												
41	1.2D - 1.0E(y) + 1.0E(z) + L	Yes	Y		3	1.2	41	-1	42	1	1	1												

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N42	max	4.14	8	2.402	8	.453	26	.495	17	.642	23	1.899	17
2		min	-3.144	26	-1.871	23	-1.094	9	-.315	35	-.808	5	-1.856	35
3	N62	max	3.172	14	2.431	35	.493	14	.749	26	.562	36	2.052	5
4		min	-4.135	32	-1.85	17	-1.177	33	-.723	8	-.255	17	-1.994	23
5	N82	max	1.314	11	3.726	2	.521	2	.472	2	.543	14	1.751	29
6		min	-1.344	29	-4.791	20	-1.087	20	-.707	20	-.633	32	-1.698	11
7	N139A	max	.086	35	3.875	21	5.391	21	1.348	21	.116	35	.06	17
8		min	-.042	17	-.133	2	-.2	2	-.05	2	-.068	17	-.106	35
9	N143	max	.014	26	.058	26	5.573	9	-.023	29	1.188	9	.081	5
10		min	-3.485	9	-1.976	9	-.078	26	-.73	9	-.049	23	-.122	23
11	N147	max	3.525	33	-.011	14	5.709	33	.084	11	.002	14	.051	29
12		min	-.067	14	-2.105	33	-.093	14	-.659	30	-1.271	33	-.105	11
13	Totals:	max	5.776	11	6.024	2	12.258	15						
14		min	-5.776	29	-6.068	20	4.566	32						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	SR1	SR 5/8	.893	0	21	.054	.75		14	11.936	15.739	.164	.164	2..	H1-1b
2	SR3	SR 5/8	.880	0	36	.098	.75		26	11.936	15.739	.164	.164	2..	H1-1b
3	SR2	SR 5/8	.879	0	21	.053	.75		14	11.936	15.739	.164	.164	2..	H1-1b
4	SR4	SR 5/8	.875	0	3	.097	.75		26	11.936	15.739	.164	.164	2..	H1-1b
5	SR8	SR 5/8	.718	0	9	.038	.75		3	11.936	15.739	.164	.164	2..	H1-1b
6	SR12	SR 5/8	.718	0	33	.037	.75		27	11.936	15.739	.164	.164	2..	H1-1b
7	SR6	SR 5/8	.713	0	21	.046	.75		14	11.936	15.739	.164	.164	2..	H1-1b
8	SR10	SR 5/8	.713	0	9	.047	.75		2	11.936	15.739	.164	.164	2..	H1-1b
9	SR5	SR 5/8	.707	0	21	.046	.75		14	11.936	15.739	.164	.164	2..	H1-1b
10	SR9	SR 5/8	.707	0	21	.046	.75		2	11.936	15.739	.164	.164	2..	H1-1b
11	SR11	SR 5/8	.705	0	33	.037	.75		27	11.936	15.739	.164	.164	2..	H1-1b
12	SR7	SR 5/8	.705	0	9	.038	.75		3	11.936	15.739	.164	.164	2..	H1-1b
13	MP GAMMA4	PIPE_2.0	.543	2	20	.124	6		26	14.916	32.13	1.872	1.872	1..	H1-1b
14	MP GAMMA3	PIPE_2.0	.542	2	35	.095	2		2	14.916	32.13	1.872	1.872	1..	H1-1b
15	MP BETA3	PIPE_2.0	.537	2	23	.088	2		26	14.916	32.13	1.872	1.872	1..	H1-1b
16	MP ALPHA3	PIPE_2.0	.532	2	11	.098	2		17	14.916	32.13	1.872	1.872	1..	H1-1b
17	MP ALPHA4	PIPE_2.0	.528	2	32	.155	6		2	14.916	32.13	1.872	1.872	1..	H1-1b
18	MP BETA4	PIPE_2.0	.517	2	8	.127	6		14	14.916	32.13	1.872	1.872	1..	H1-1b
19	ANGLE3	L2.5x2.5x4	.501	1.409	20	.159	0	z	17	36.139	38.556	1.114	2.537	1..	H2-1
20	RAIL1	PIPE_2.0	.440	2.604	35	.194	11.4..		20	6.295	32.13	1.872	1.872	2..	H1-1b
21	ANGLE2	L2.5x2.5x4	.432	1.409	8	.148	1.409	z	5	36.139	38.556	1.114	2.537	1..	H2-1
22	ANGLE1	L2.5x2.5x4	.412	1.409	32	.136	0	z	29	36.139	38.556	1.114	2.537	1..	H2-1
23	MP GAMMA2	PIPE_2.0	.402	2	35	.101	2		26	14.916	32.13	1.872	1.872	1..	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
24	MP ALPHA2	PIPE_2.0	.400	2	8	.115	2		2	14.916	32.13	1.872	1.872	1...	H1-1b
25	MP BETA2	PIPE_2.0	.399	2	20	.101	2		14	14.916	32.13	1.872	1.872	1...	H1-1b
26	RAIL3	PIPE_2.0	.375	2.604	23	.172	11.4...		8	6.295	32.13	1.872	1.872	2...	H1-1b
27	MP ALPHA1	PIPE_2.0	.357	2.75	20	.080	2.75		20	14.916	32.13	1.872	1.872	1...	H1-1b
28	RAIL2	PIPE_2.0	.347	2.604	11	.178	11.4...		32	6.295	32.13	1.872	1.872	1...	H1-1b
29	MP ALPHA5	PIPE_2.0	.329	2	12	.236	2		17	14.916	32.13	1.872	1.872	1...	H1-1b
30	CORN PL2	6x0.5	.329	.563	20	.363	.563	y	11	61.281	97.2	1.012	12.15	1...	H1-1b
31	CORN PL5	6x0.5	.326	.563	32	.391	.563	y	23	61.281	97.2	1.012	12.15	1...	H1-1b
32	CORN PL8	6x0.5	.324	.563	8	.377	.563	y	35	61.281	97.2	1.012	12.15	1...	H1-1b
33	SUP4	L2x2x3	.317	2.326	6	.018	4.379	y	21	8.94	23.393	.558	1.063	1...	H2-1
34	SUP5	L2x2x3	.314	2.326	9	.020	4.379	z	6	8.94	23.393	.558	1.063	1...	H2-1
35	SUP1	L2x2x3	.312	2.326	21	.019	4.379	z	18	8.94	23.393	.558	1.063	1...	H2-1
36	MP BETA5	PIPE_2.0	.310	2	20	.190	2		29	14.916	32.13	1.872	1.872	1...	H1-1b
37	MP GAMMA5	PIPE_2.0	.310	2	35	.191	2		5	14.916	32.13	1.872	1.872	1...	H1-1b
38	SUP6	L2x2x3	.305	2.372	18	.018	4.379	y	33	8.94	23.393	.558	1.063	1...	H2-1
39	SUP2	L2x2x3	.304	2.372	33	.018	4.379	y	9	8.94	23.393	.558	1.063	1...	H2-1
40	SUP3	L2x2x3	.295	2.372	33	.019	4.379	z	30	8.94	23.393	.558	1.063	1...	H2-1
41	SO3	HSS4X4X4	.294	2.976	33	.131	3.035	z	33	122.342	139.518	16.181	16.181	2...	H1-1b
42	SO1	HSS4X4X4	.284	2.976	9	.125	3.035	z	9	122.342	139.518	16.181	16.181	2...	H1-1b
43	SO2	HSS4X4X4	.276	2.976	21	.121	3.035	z	21	122.342	139.518	16.181	16.181	2...	H1-1b
44	CR1	HSS4X4X4	.247	0	9	.094	0	z	12	135.696	139.518	16.181	16.181	2...	H1-1b
45	CR5	HSS4X4X4	.246	0	33	.094	0	z	36	135.696	139.518	16.181	16.181	2...	H1-1b
46	CR3	HSS4X4X4	.233	0	21	.090	0	z	24	135.696	139.518	16.181	16.181	2...	H1-1b
47	CR6	HSS4X4X4	.218	0	36	.086	0	z	27	135.696	139.518	16.181	16.181	2...	H1-1b
48	CR2	HSS4X4X4	.213	0	12	.085	0	z	3	135.696	139.518	16.181	16.181	2...	H1-1b
49	CR4	HSS4X4X4	.206	0	24	.082	0	z	18	135.696	139.518	16.181	16.181	2...	H1-1b
50	PL11	6x0.375	.203	.162	35	.476	.162	y	20	68.035	72.9	.57	9.113	1...	H1-1b
51	PL7	6x0.375	.201	.162	23	.503	.162	y	8	68.035	72.9	.57	9.113	1...	H1-1b
52	CORN PL6	6x0.5	.200	.18	20	.717	0	y	2	92.718	97.2	1.012	12.15	3...	H1-1b
53	PL10	6x0.375	.184	.162	6	.579	.162	y	20	68.035	72.9	.57	9.113	1...	H1-1b
54	PL3	6x0.375	.183	.162	11	.503	.162	y	32	68.035	72.9	.57	9.113	1...	H1-1b
55	PL2	6x0.375	.178	.162	18	.570	.162	y	32	68.035	72.9	.57	9.113	1...	H1-1b
56	PL8	6x0.375	.177	.184	23	.621	.36	y	26	66.953	72.9	.57	9.113	3...	H1-1b
57	PL6	6x0.375	.177	.162	30	.559	.162	y	8	68.035	72.9	.57	9.113	1...	H1-1b
58	PL12	6x0.375	.174	.184	35	.603	.36	y	2	66.953	72.9	.57	9.113	3...	H1-1b
59	CORN PL9	6x0.5	.174	.18	32	.694	0	y	14	92.718	97.2	1.012	12.15	3...	H1-1b
60	CORN PL3	6x0.5	.173	.18	8	.674	0	y	26	92.718	97.2	1.012	12.15	3...	H1-1b
61	MP GAMMA1	PIPE_2.0	.166	2.75	8	.065	2.75		8	14.916	32.13	1.872	1.872	2...	H1-1b
62	MP BETA1	PIPE_2.0	.166	2.75	32	.068	2.75		17	14.916	32.13	1.872	1.872	2...	H1-1b
63	FACE1	PIPE_3.0	.160	10.026	14	.092	11.5...		20	28.251	65.205	5.749	5.749	2...	H1-1b
64	FACE3	PIPE_3.0	.159	4.557	36	.089	.521		26	28.251	65.205	5.749	5.749	1...	H1-1b
65	KICK2	LL2.5x2.5x...	.157	0	33	.008	4.02	z	8	44.72	58.32	3.954	2.55	2...	H1-1b*
66	FACE2	PIPE_3.0	.155	10.026	23	.089	.521		14	28.251	65.205	5.749	5.749	2...	H1-1b
67	PL4	6x0.375	.154	.184	11	.625	.36	y	14	66.953	72.9	.57	9.113	3...	H1-1b
68	CORN PL1	6x0.5	.154	0	20	.576	0	y	14	92.718	97.2	1.012	12.15	3...	H1-1b
69	KICK1	LL2.5x2.5x...	.153	0	9	.009	4.02	z	20	44.72	58.32	3.954	2.55	2...	H1-1b*
70	CORN PL4	6x0.5	.150	0	32	.576	0	y	26	92.718	97.2	1.012	12.15	3...	H1-1b
71	KICK3	LL2.5x2.5x...	.148	0	21	.008	4.02	z	32	44.72	58.32	3.954	2.55	2...	H1-1b*
72	CORN PL7	6x0.5	.148	0	8	.530	0	y	2	92.718	97.2	1.012	12.15	3...	H1-1b
73	PL9	6x0.375	.147	.184	5	.706	.36	y	2	66.953	72.9	.57	9.113	3...	H1-1b
74	PL1	6x0.375	.133	.184	17	.693	.36	y	14	66.953	72.9	.57	9.113	3...	H1-1b
75	PL5	6x0.375	.126	.184	29	.682	.36	y	26	66.953	72.9	.57	9.113	3...	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear..	Loc[ft]	Dir	LC	phi*Pnc..	phi*Pnt...	phi*Mn ..	phi*Mn ..	Cb	Eqn
76	RPL4	5x0.25	.001	.125	20	.000	.125	y	36	36.978	40.5	.211	4.219	1...	H1-1b
77	RPL1	5x0.25	.001	.125	20	.000	.125	y	36	36.978	40.5	.211	4.219	1...	H1-1b
78	RPL5	5x0.25	.000	.125	32	.000	.125	y	12	36.978	40.5	.211	4.219	1...	H1-1b
79	RPL6	5x0.25	.000	.125	8	.000	.125	y	36	36.978	40.5	.211	4.219	1...	H1-1b
80	RPL3	5x0.25	.000	.125	26	.000	.125	y	21	36.978	40.5	.211	4.219	1...	H1-1b
81	RPL2	5x0.25	.000	.125	14	.000	.125	y	33	36.978	40.5	.211	4.219	1...	H1-1b

POD
POWER OF DESIGN

POD Job #	**22-125764**
Site Number	**302481**
Site Name	**Hrfr - South**

Calculations Based on *TIA-222-H*

Reactions from RISA-3D

Moment	2.052 ft-kip
Axial	0.463 kips
Shear	1.508 kips

Capacities

Bolts	*0.7%*
Flange Plate	*32.7%*

Bolt Information

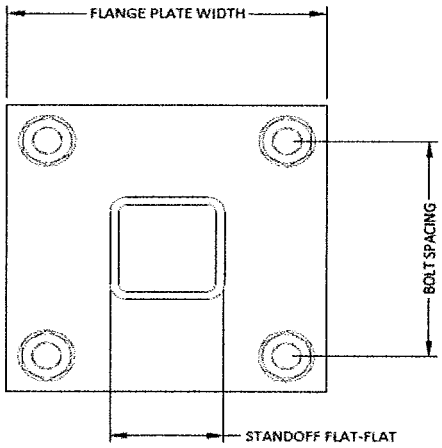
Grade	A325
Threads in Shear Plane	Included
Diameter	0.625 in.
Bolt Spacing	8 in.
Number of Rods	4

Flange Plate Information

Width	10 in.
Thickness	0.5 in.
Grade	A36

Standoff Information

Standoff Member	HSS
Flat-Flat	4 in.
Thickness	0.25 in.



Bolt Calculations

ϕ	0.75
A_{nt}	0.226 in^2
A_b	0.307 in^2
Fu	120 ksi
ϕR_{nv}	13.81 kips
ϕR_{nt}	20.34 kips
V	0.38 kips
F	1.65 kips
Capacity	0.7%

Flange Plate Calculations

ϕ	0.9
Fy	36 ksi
t_{min}	0.16 in
Z	0.6 in^3
ϕM_n	20.3 in-kip
M_u	6.6 in-kip
Capacity	32.7%

Ver 1.0 - 3/5/2019

Radio Frequency Exposure Analysis Report

June 20, 2022

American Tower on behalf of AT&T
Centerline Communications Project Number: 950035-004

AT&T Site Name: Hrfr - South
Site Number: CTL01011
FA#: 10034968
USID: 59334

Site Address: 289 H MOUNTAIN STREET, HARTFORD, CT 06106

Site Compliance Summary

AT&T Compliance Status:	Compliant
Cumulative Calculated Power Density (Ground Level):	27.47916 $\mu W/cm^2$
Cumulative General Population % MPE (Ground Level):	2.7496700000000001%

750 West Center Street | Suite 301 | West Bridgewater | MA | 02379

June 20, 2022

Centerline
Attn: John Luca, Associate Project Manager
750 W Center St, Suite 301
West Bridgewater, MA 02379

RF Exposure Analysis for Site: **Hrfr - South**

Centerline Communications, LLC ("Centerline") was contracted to analyze the proposed AT&T facility at **289 H MOUNTAIN STREET, HARTFORD, CT 06106** for the purpose of determining whether the predictive exposure from the proposed facility is within specified federal limits.

All information used in this report was analyzed as a percentage of the Maximum Permissible Exposure (% MPE) limits as detailed in 47 CFR § 1.1310 as well as Federal Communications Commission (FCC) OET Bulletin 65 Edition 97-01. The FCC MPE limits are typically expressed in units of milliwatts per square centimeter (mW/cm^2) or microwatts per square centimeter ($\mu W/cm^2$). The exposure limits vary depending upon the frequencies being utilized. The General Population/Uncontrolled MPE limit (in mW/cm^2) for frequencies between 300 and 1500 is defined as frequency (in MHz) divided by 1500 ($f_{MHz}/1500$). Frequencies between 1500 and 100,000 MHz have a General Population/Uncontrolled MPE limit of 1 mW/cm^2 (1000 $\mu W/cm^2$). The calculated power density at each sample point divided by the limit at each calculated frequency provides a result in % MPE. Summing the calculated % MPE from all contributors provides a cumulative % MPE at a particular sample point. Wireless carriers use different frequency bands with varying MPE limits; therefore, it is useful to report results in terms of % MPE as opposed to power density.

All results were compared to the FCC radio frequency exposure rules as detailed in 47 CFR § 1.1307(b) to determine compliance with the 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.

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, 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.

Calculation Methodology

Centerline Communications, LLC has performed theoretical modeling of the site using a software tool, RoofMaster®, which incorporates calculation methodologies detailed in FCC OET 65. RoofMaster® uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations, the power decreases inversely with the square of the distance. The modeling is based on worst-case assumptions in terms of transmitter power and duty cycle. No losses were included in the power calculations unless they were specifically provided for the project.

In OET 65, a far field model is presented to calculate the spatial peak power density. The RoofMaster® implementation of this model incorporates antenna manufacturer's horizontal and vertical pattern data to determine the power density in all directions. This model yields the power density at a single point in space. In order to determine the spatial power density for comparison to the FCC limits, the average of several points calculated within the human profile (0-6') must be conducted. RoofMaster® calculates seven power density values between 0-6' above the specified study plane and performs a linear spatial average.

Data & Results

The following table details the antennas and operating parameters for the AT&T antenna system as well as any other antenna systems at the site. This is based on antenna information provided by the client and data compiled from other sources where necessary. The data below was input into Roofmaster® to perform the theoretical exposure calculations at the ground.

The theoretical calculations performed in Roofmaster® determine the cumulative exposure at all sample points at ground level (0-6' spatial average). The results from highest cumulative sample point at ground level surrounding the site are displayed in the table below. The contribution from directional antennas to the maximum cumulative totals varies greatly depending on location; therefore, the contribution from one antenna sector at the highest calculated exposure point may be greater or less than other sectors since sectorized directional antennas are pointed in different directions and there is not much overlapping exposure.

The contribution to the cumulative power density and % MPE for each antenna/frequency band is listed in the table. The cumulative power density and cumulative % MPE are displayed at the bottom of the table.

CENTERLINE COMMUNICATIONS

Maximum Calculated Cumulative Power Density (Location: approximately 226' north of site)

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (μW/cm²)	General Population MPE Limit (μW/cm²)	General Population % MPE
AT&T A 1	QUINTEL QD8616-7 V1	700	13.04	103.00	4.00	40.00	3219.44	0.00059	466.67	0.00013
AT&T A 1	QUINTEL QD8616-7 V1	1900	15.27	103.00	4.00	40.00	5389.64	0.00088	1000.00	0.00009
AT&T A 1	QUINTEL QD8616-7 V1	2100	15.56	103.00	4.00	60.00	8643.33	0.00141	1000.00	0.00014
AT&T A 1	QUINTEL QD8616-7 V1	700	13.04	103.00	2.00	40.00	1609.72	0.00029	466.67	0.00006
AT&T A 2	Ericsson AIR6449	3700	23.45	101.00	1.00	108.40	23989.95	0.00439	1000.00	0.00044
AT&T A 3	Ericsson AIR6419	3450	23.45	105.00	1.00	108.40	23989.95	0.00319	1000.00	0.00032
AT&T A 4	CCI DMP65R-BU8D	700	12.25	103.00	4.00	40.00	2686.09	0.00055	466.67	0.00012
AT&T A 4	CCI DMP65R-BU8D	850	12.55	103.00	4.00	40.00	2878.19	0.00051	566.67	0.00009
AT&T A 4	CCI DMP65R-BU8D	2300	14.65	103.00	4.00	25.00	2917.43	0.00043	1000.00	0.00004
AT&T B 5	QUINTEL QD6616-7 V1	700	11.93	103.00	4.00	40.00	2495.80	0.00000	466.67	0.00000
AT&T B 5	QUINTEL QD6616-7 V1	1900	15.07	103.00	4.00	40.00	5144.23	0.00000	1000.00	0.00000
AT&T B 5	QUINTEL QD6616-7 V1	2100	15.50	103.00	4.00	60.00	8515.91	0.00000	1000.00	0.00000
AT&T B 5	QUINTEL QD6616-7 V1	700	11.74	103.00	2.00	40.00	1194.65	0.00000	466.67	0.00000
AT&T B 6	Ericsson AIR6449	3700	23.45	101.00	1.00	108.40	23989.95	0.00003	1000.00	0.00000
AT&T B 7	Ericsson AIR6419	3450	23.45	105.00	1.00	108.40	23989.95	0.00003	1000.00	0.00000
AT&T B 8	CCI DMP65R-BU6D	700	11.25	103.00	4.00	40.00	2133.63	0.00000	466.67	0.00000
AT&T B 8	CCI DMP65R-BU6D	850	11.35	103.00	4.00	40.00	2183.33	0.00000	566.67	0.00000
AT&T B 8	CCI DMP65R-BU6D	2300	15.45	103.00	4.00	25.00	3507.52	0.00000	1000.00	0.00000
AT&T C 9	QUINTEL QD6616-7 V1	700	11.93	103.00	4.00	40.00	2495.80	0.00000	466.67	0.00000
AT&T C 9	QUINTEL QD6616-7 V1	1900	15.14	103.00	4.00	40.00	5223.12	0.00000	1000.00	0.00000
AT&T C 9	QUINTEL QD6616-7 V1	2100	15.50	103.00	4.00	60.00	8512.97	0.00000	1000.00	0.00000
AT&T C 9	QUINTEL QD6616-7 V1	700	11.51	103.00	2.00	40.00	1133.21	0.00000	466.67	0.00000
AT&T C 10	Ericsson AIR6449	3700	23.45	101.00	1.00	108.40	23989.95	0.00003	1000.00	0.00000
AT&T C 11	Ericsson AIR6419	3450	23.45	105.00	1.00	108.40	23989.95	0.00003	1000.00	0.00000
AT&T C 12	CCI DMP65R-BU6D	700	11.25	103.00	4.00	40.00	2133.63	0.00000	466.67	0.00000
AT&T C 12	CCI DMP65R-BU6D	850	11.35	103.00	4.00	40.00	2183.33	0.00000	566.67	0.00000
AT&T C 12	CCI DMP65R-BU6D	2300	14.95	103.00	4.00	25.00	3126.08	0.00000	1000.00	0.00000
Unknown1 A 13	GENERIC PANEL 6FT	850	12.62	109.70	1.00	60.00	1096.86	0.00021	566.67	0.00004
Unknown1 A 14	GENERIC PANEL 6FT	850	12.62	109.70	1.00	60.00	1096.86	0.00021	566.67	0.00004
Unknown1 A 15	GENERIC PANEL 6FT	850	12.62	109.70	1.00	60.00	1096.86	0.00021	566.67	0.00004
Unknown1 B 16	GENERIC PANEL 6FT	850	12.62	109.70	1.00	60.00	1096.86	0.00000	566.67	0.00000
Unknown1 B 17	GENERIC PANEL 6FT	850	12.62	109.70	1.00	60.00	1096.86	0.00000	566.67	0.00000
Unknown1 B 18	GENERIC PANEL 6FT	850	12.62	109.70	1.00	60.00	1096.86	0.00000	566.67	0.00000
Unknown1 B 19	GENERIC MICROWAVE 3FT	11000	38.65	109.70	1.00	0.10	732.82	0.00000	1000.00	0.00000
Unknown1 C 20	GENERIC PANEL 6FT	850	12.62	109.70	1.00	60.00	1096.86	0.00000	566.67	0.00000

CENTERLINE COMMUNICATIONS

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density ($\mu W/cm^2$)	General Population MPE Limit ($\mu W/cm^2$)	General Population % MPE
Unknown1 C 21	GENERIC PANEL 6FT	850	12.62	109.70	1.00	60.00	1096.86	0.00000	566.67	0.00000
Unknown1 C 22	GENERIC PANEL 6FT	850	12.62	109.70	1.00	60.00	1096.86	0.00000	566.67	0.00000
T-Mobile A 23	GENERIC PANEL 6FT	1900	15.84	87.90	2.00	60.00	4604.49	0.00069	1000.00	0.00007
T-Mobile A 24	GENERIC PANEL 6FT	600	12.33	87.90	2.00	60.00	2052.02	0.00067	400.00	0.00017
T-Mobile A 25	GENERIC PANEL 6FT	700	12.33	87.90	2.00	60.00	2052.02	0.00067	466.67	0.00014
T-Mobile A 26	GENERIC PANEL 6FT	2100	15.84	87.90	2.00	60.00	4604.49	0.00069	1000.00	0.00007
T-Mobile B 27	GENERIC PANEL 6FT	1900	15.84	87.90	2.00	60.00	4604.49	0.00000	1000.00	0.00000
T-Mobile B 28	GENERIC PANEL 6FT	600	12.33	87.90	2.00	60.00	2052.02	0.00000	400.00	0.00000
T-Mobile B 29	GENERIC PANEL 6FT	700	12.33	87.90	2.00	60.00	2052.02	0.00000	466.67	0.00000
T-Mobile B 30	GENERIC PANEL 6FT	2100	15.84	87.90	2.00	60.00	4604.49	0.00000	1000.00	0.00000
T-Mobile C 31	GENERIC PANEL 6FT	1900	15.84	87.90	2.00	60.00	4604.49	0.00000	1000.00	0.00000
T-Mobile C 32	GENERIC PANEL 6FT	600	12.33	87.90	2.00	60.00	2052.02	0.00000	400.00	0.00000
T-Mobile C 33	GENERIC PANEL 6FT	700	12.33	87.90	2.00	60.00	2052.02	0.00000	466.67	0.00000
T-Mobile C 34	GENERIC PANEL 6FT	2100	15.84	87.90	2.00	60.00	4604.49	0.00000	1000.00	0.00000
Verizon A 35	GENERIC PANEL 6FT	850	12.62	81.70	4.00	40.00	2924.96	0.00107	566.67	0.00019
Verizon A 36	GENERIC PANEL 6FT	1900	15.84	81.70	4.00	40.00	6139.32	0.00107	1000.00	0.00011
Verizon A 37	GENERIC PANEL 6FT	2100	16.39	81.70	4.00	40.00	6968.19	0.00112	1000.00	0.00011
Verizon A 38	GENERIC PANEL 6FT	700	12.33	81.70	4.00	40.00	2736.02	0.00104	466.67	0.00022
Verizon B 39	GENERIC PANEL 6FT	850	12.62	81.70	4.00	40.00	2924.96	0.00000	566.67	0.00000
Verizon B 40	GENERIC PANEL 6FT	1900	15.84	81.70	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Verizon B 41	GENERIC PANEL 6FT	2100	16.39	81.70	4.00	40.00	6968.19	0.00000	1000.00	0.00000
Verizon B 42	GENERIC PANEL 6FT	700	12.33	81.70	4.00	40.00	2736.02	0.00001	466.67	0.00000
Verizon C 43	GENERIC PANEL 6FT	850	12.62	81.70	4.00	40.00	2924.96	0.00000	566.67	0.00000
Verizon C 44	GENERIC PANEL 6FT	1900	15.84	81.70	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Verizon C 45	GENERIC PANEL 6FT	2100	16.39	81.70	4.00	40.00	6968.19	0.00000	1000.00	0.00000
Verizon C 46	GENERIC PANEL 6FT	700	12.33	81.70	4.00	40.00	2736.02	0.00000	466.67	0.00000
Unknown2 A 47	GENERIC PANEL 2FT	850	8.11	74.70	1.00	60.00	388.29	0.00158	566.67	0.00028
Unknown3 A 48	GENERIC PANEL 6FT	850	12.62	69.60	1.00	60.00	1096.86	0.00057	566.67	0.00010
Unknown3 A 49	GENERIC PANEL 6FT	850	12.62	69.60	1.00	60.00	1096.86	0.00057	566.67	0.00010
Unknown3 B 50	GENERIC PANEL 6FT	850	12.62	69.60	1.00	60.00	1096.86	0.00000	566.67	0.00000
Unknown3 B 51	GENERIC PANEL 6FT	850	12.62	69.60	1.00	60.00	1096.86	0.00000	566.67	0.00000
Unknown3 C 52	GENERIC PANEL 6FT	850	12.62	69.60	1.00	60.00	1096.86	0.00000	566.67	0.00000
Unknown3 C 53	GENERIC PANEL 6FT	850	12.62	69.60	1.00	60.00	1096.86	0.00000	566.67	0.00000
Unknown4 A 54	GENERIC PANEL 2FT	850	8.11	60.80	1.00	60.00	388.29	0.00397	566.67	0.00070
Unknown4 A 55	GENERIC MICROWAVE 1FT	23000	38.55	60.80	1.00	0.10	716.14	0.00003	1000.00	0.00000
Unknown4 B 56	GENERIC PANEL 2FT	850	8.11	60.80	1.00	60.00	388.29	0.00397	566.67	0.00070

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (μW/cm²)	General Population MPE Limit (μW/cm²)	General Population % MPE
Unknown4 C 57	GENERIC PANEL 2FT	850	8.11	60.80	1.00	60.00	388.29	0.00000	566.67	0.00070
							Cumulative Power Density:	**27.47916 μW/cm²**	**Cumulative % MPE:**	**2.74967%**

Summary

The theoretical calculations performed for this analysis yielded cumulative power density totals in all areas at ground that are within the allowable federal limits for public exposure to RF energy. Therefore, the site is **Compliant** with FCC rules and regulations.

Katrina Styx
RF EME Technical Writer
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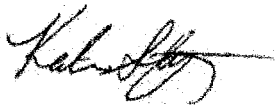


AMERICAN TOWER®
CORPORATION

Post Modification Structural Analysis Report

Structure	:	110 ft Monopole
ATC Asset Name	:	Hrfr - South
ATC Asset Number	:	302481
Engineering Number	:	14090117_C4_05
Proposed Carrier	:	AT&T MOBILITY
Carrier Site Name	:	MRCTB051290
Carrier Site Number	:	CTCN001011
Site Location	:	289 Mountain Street Hartford, CT 06106-4121 41.7266, -72.7082
County	:	Hartford
Date	:	October 12, 2022
Max Usage	:	89%
Analysis Result	:	Pass

Prepared By:

Thomas Pham
Structural Engineer II

Reviewed

STATE OF CONNECTICUT
ESHA KAUSHAL MODI
32593
LICENSED
PROFESSIONAL ENGINEER

Authorized by "EOR"
12 Oct 2022 08:19:26 cosign

COA: PEC.0001553

Table of Contents

Introduction

The purpose of this report is to summarize results of a post-modification structural analysis performed on the 110 ft Monopole tower to reflect the change in loading by AT&T MOBILITY.

Supporting Documents

Tower Drawing:	Mapped by Smith Cullum Site #CT-0017(A), dated June 6, 2001
Foundation Drawing:	Girard & Co Engineering Job #39902, dated April 29, 1988
Geotechnical Report:	TEP Project #071162.01, dated July 23, 2007
Modification:	ATC Project #42719232, dated January 12, 2009 ATC Project #43595333, dated July 1, 2009 ATC Project #43930034, dated September 15, 2009 ATC Project #44662232, dated March 30, 2010 ATC Project #OAA739695_C6_06, dated February 25, 2019 ATC Project #13251341_C6_06, dated September 4, 2020 ATC Project #14090117_C6_06, dated October 7, 2022 (Pending)
Site Specific Study:	ICE Wind Study for Site 302481, dated May 22, 2020

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:	115 mph (3-second gust)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1.50" radial ice concurrent
Code(s):	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 3
Topographic Category:	4
Crest Height (H):	148 ft
Spectral Response:	Ss = 0.19, S_1 = 0.06
Site Class:	D - Stiff Soil - Default

Wind pressures have been determined per the site-specific climatic study in accordance with ASCE 7-16 Section 26.5.3, IBC Section 1609.3, and TIA-222-H Section 2.6.6.2.3.

Ice and concurrent pressures have been determined per the site-specific climatic study in accordance with ASCE 7-16 Section 10.1.1, IBC Section 1614, and TIA-222-H Section 2.6.4.1.

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

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report. If the pending modifications cited in the supporting documents table are not completed, the results of this analysis are no longer valid, and AT&T Mobility should contact American Tower's Site Manager for further direction on how to proceed.

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/Reserved Loading

Elev.*	Qty	Equipment	Lines	Carrier
110.0'	1	Clearwirre Side Arm	(2) 1/2" Coax (1) 2" conduit	CLEARWIRE CORPORATION
109.9'	3	Argus LLPX310R	-	CLEARWIRE CORPORATION
109.8'	2	DragonWave Horizon Compact	-	CLEARWIRE CORPORATION
109.7'	1	DragonWave A-ANT-11G-2.5-C	-	CLEARWIRE CORPORATION
	1	DragonWave A-ANT-23G-1-C		
109.0'	1	12" x 12" Junction Box	-	CLEARWIRE CORPORATION
107.0'	3	Samsung 1.9GHz RRH	-	CLEARWIRE CORPORATION
90.0'	1	Platform w/ Handrails	(4) 1 1/4" (1.25"- 31.8mm) Fiber	T-MOBILE
	1	Mount Reinforcement		
	3	Ericsson AIR32 B66Aa/B2a		
	3	Ericsson Air 3246 B66		
	3	Ericsson Air6449 B41		
	3	Ericsson RRUS 4415 B25		
	3	Ericsson Radio 4449 B71 B85A		
	3	RFS APXVAARR24_43-U-NA20		
84.3'	1	Raycap RVZDC-6627-PF-48	-	VERIZON WIRELESS
80.0'	1	Low Profile Platform	(2) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Commscope CBC78T-DS-43-2X		
	3	Samsung B2/B66A RRH-BR049		
	3	Samsung B5/B13 RRH-BR04C		
	3	Samsung MT6407-77A		
	3	Samsung Outdoor CBRS 20W RRH –Clip-on Antenna		
	3	Samsung RT4401-48A		
	6	Commscope JAHH-65B-R3B (63.3 lb)		
70.0'	1	Platform with Handrails	(1) 1.60" (40.6mm) Hybrid	DISH WIRELESS L.L.C.
	1	Raycap RDIDC-9181-PF-48		
	3	Fujitsu TA08025-B604		
	3	Fujitsu TA08025-B605		
	3	JMA Wireless MX08FRO665-21		
63.5'	1	Radio Waves SP2-4.7	-	TOWN OF WEST HARTFORD
63.0'	1	Radio/ODU	-	TOWN OF WEST HARTFORD
60.8'	1	Scala 840 10212	-	TOWN OF WEST HARTFORD
60.0'	1	Stand Off	(2) 0.41" (10.3mm) LMR-400 (1) 7/8" Coax	TOWN OF WEST HARTFORD

(If table breaks across pages, please see previous page for data in merged cells)

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

Proposed Carrier Final Loading

Elev.*	Qty	Equipment	Lines	Carrier
104.0'	3	Ericsson AIR 6419 B77G	-	AT&T MOBILITY
102.0'	1	CCI DMP65R-BU8DA-K	(3) 0.40" (10.3mm) Fiber (6) 0.82" (20.8mm) 8 AWG 6 (1) 0.92" (23.4mm) Cable (12) 1 5/8" Coax (3) 2" conduit	AT&T MOBILITY
	1	Quintel QD8616-7		
	1	Raycap DC9-48-60-24-8C-EV		
	1	Small Platform with Handrails		
	2	Quintel QD6616-7		
	2	CCI DMP65R-BU6DA		
	2	Raycap DC6-48-60-18-8F(32.8 lbs)		
	3	Ericsson RRUS 32 B30		

Elev.*	Qty	Equipment	Lines	Carrier
	3	Ericsson RRUS 4415 B25		
	3	Ericsson RRUS 4426 B66		
	3	Ericsson RRUS 4449 B5, B12		
	3	Ericsson RRUS 4478 B14		
	3	Ericsson RRUS-11		
100.0'	3	Ericsson AIR 6449 B77D/ C-Band	-	AT&T MOBILITY

(If table breaks across pages, please see previous page for data in merged cells)

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	Usage	Pass/Fail
Anchor Rods	15%	Pass
Base Plate	48%	Pass
Shaft	63%	Pass
Flange Bolts	12%	Pass
Flange Plates	38%	Pass
Reinforcement	83%	Pass

Foundation Reactions & Usages

Reaction Component	Analysis Reactions	Usage
Moment (k-ft)	2589.7	89%
Axial (k)	53.8	6%
Shear (k)	35.2	54%

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.

Antenna Deflection, Twist, and Sway

Elev.	Antenna	Carrier	Deflection	Twist	Sway [Rotation]
109.7'	DragonWave A-ANT-23G-1-C	CLEARWIRE CORPORATION	1.278'	N/A	1.180°
	DragonWave A-ANT-11G-2.5-C				
104.0'	Ericsson AIR 6419 B77G	AT&T MOBILITY	1.160'	N/A	1.170°
102.0'	Ericsson RRUS 32 B30	AT&T MOBILITY	1.119'	N/A	1.170°
	Quintel QD8616-7				
	CCI DMP65R-BU8DA-K				
	Ericsson RRUS 4415 B25				
	Ericsson RRUS 4449 B5, B12				
	Raycap DC9-48-60-24-8C-EV				
	CCI DMP65R-BU6DA				
100.0'	Ericsson AIR 6449 B77D/ C-Band	AT&T MOBILITY	1.078'	N/A	1.150°
	Ericsson AIR 6449 B77D/ C-Band				
63.5'	Radio Waves SP2-4.7	TOWN OF WEST HARTFORD	0.453'	N/A	0.820°

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

Standard Conditions

All engineering services performed by A.T. Engineering Services LLC 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 Services LLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Services LLC 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 Services LLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

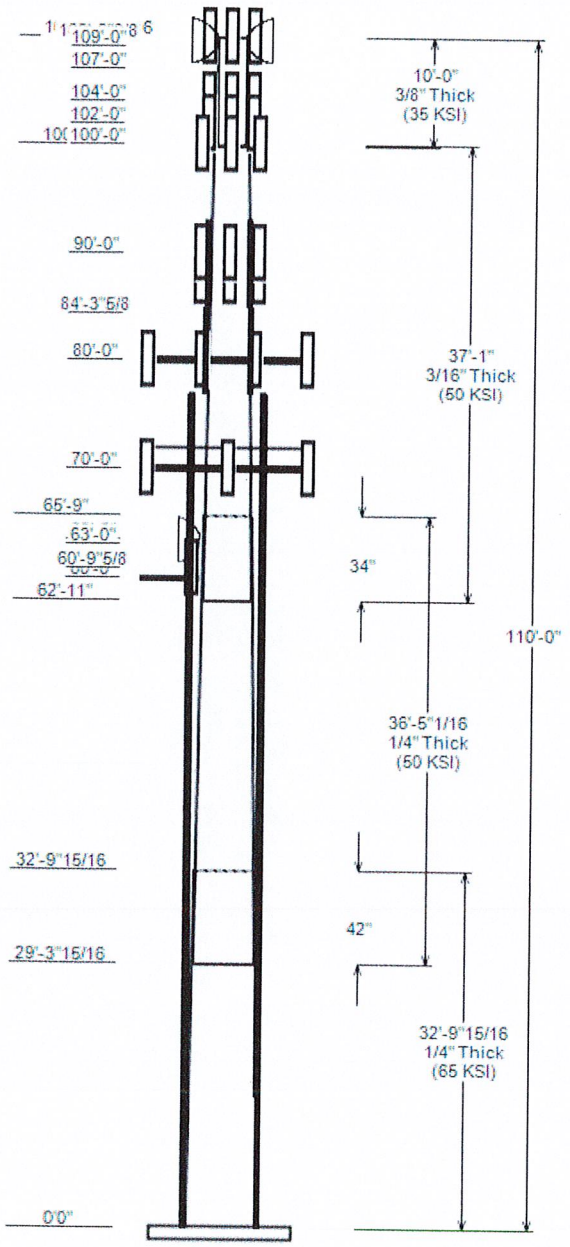
All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Services LLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

ASSET: 302481, Hrfr - South
CUSTOMER: AT&T MOBILITY

CODE: ANSI/TIA-222-H
PROJECT: 14090117

ANALYSIS PARAMETERS

Nominal Wind:	112 mph	**Ice Wind:**	49 mph w/ 1.28" ice	**Service Wind:**	60 mph
Risk Category:	II	**Exposure:**	B	**S_s:** 0.192	**S_1:** 0.055
Topo Category:	4	**Topo Factor:**	Method 3	**Topo Feature:**	
Structure Height:	110 ft	**Base Elevation:**	0.00 ft	**Structure Type:**	Custom
Base Diameter:	30 in	**Base Rotation:**	0°	**Taper:**	0.1640 (in/ft)



POLE SECTION PROPERTIES

Section	Length (ft)	Flat Diameter (in) Top	Flat Diameter (in) Bottom	Thick (in)	Joint Type	Joint Length (in)	Pole Shape	Yield Strength (ksi)
1	32.830	24.62	30.00	0.250		0.000	12 Sides	65
2	36.420	19.73	25.70	0.250	Slip Joint	42.000	12 Sides	50
3	37.083	14.50	20.57	0.188	Slip Joint	34.000	12 Sides	50
4	10.000	12.75	12.75	0.375	Butt Joint	0.000	Round	35

DISCRETE APPURTENANCE

Elev (ft)	Description
110.0	(1) Clearwirre Side Arm
109.9	(3) Argus LLPX310R
109.8	(2) DragonWave Horizon Compact
109.7	(1) DragonWave A-ANT-23G-1-C
109.7	(1) DragonWave A-ANT-11G-2.5-C
109.0	(1) Generic 12" x 12" Junction Box
107.0	(3) Samsung 1.9GHz RRH
104.0	(3) Ericsson AIR 6419 B77G
102.0	(2) Raycap DC6-48-60-18-8F(32.8 lb
102.0	(3) Ericsson RRUS 4426 B66
102.0	(3) Ericsson RRUS 4478 B14
102.0	(3) Ericsson RRUS 4415 B25
102.0	(3) Ericsson RRUS 4449 B5, B12
102.0	(3) Ericsson RRUS 32 B30
102.0	(3) Ericsson RRUS-11
102.0	(1) Raycap DC9-48-60-24-8C-EV
102.0	(2) CCI DMP65R-BU6DA
102.0	(2) Quintel QD6616-7
102.0	(1) CCI DMP65R-BU8DA-K
102.0	(1) Quintel QD8616-7
102.0	(1) Small Platform with Handrails
100.0	(3) Ericsson AIR 6449 B77D/ C-Band
90.0	(3) Ericsson Radio 4449 B71 B85A
90.0	(3) Ericsson RRUS 4415 B25
90.0	(3) Ericsson Air6449 B41
90.0	(3) Ericsson AIR32 B66Aa/B2a
90.0	(1) Generic Mount Reinforcement
90.0	(3) Ericsson Air 3246 B66
90.0	(3) RFS APXVAARR24_43-U-NA20
90.0	(1) Flat Platform w/ Round Handrai
84.3	(1) Raycap RVZDC-6627-PF-48
80.0	(3) Commscope CBC78T-DS-43-2X
80.0	(3) Samsung Outdoor CBRS 20W RRH –
80.0	(3) Samsung RT4401-48A
80.0	(3) Samsung B5/B13 RRH-BR04C
80.0	(3) Samsung B2/B66A RRH-BR049
80.0	(3) Samsung MT6407-77A
80.0	(6) Commscope JAHH-65B-R3B (63.3 I
80.0	(1) Generic Round Low Profile Plat
70.0	(1) Raycap RDIDC-9181-PF-48
70.0	(3) Fujitsu TA08025-B604
70.0	(3) Fujitsu TA08025-B605
70.0	(3) JMA Wireless MX08FRO665-21
70.0	(1) Generic Round Platform with Ha
63.5	(1) Radio Waves SP2-4.7
63.0	(1) Generic Radio/ODU
60.8	(1) Scala 840 10212
60.0	(1) Stand Off

LINEAR APPURTENANCE

Elev To (ft)	Description
110.0	(1) 2" conduit
110.0	(2) 1/2" Coax
102.0	(3) 2" conduit
102.0	(6) 1 5/8" Coax
102.0	(6) 1 5/8" Coax
102.0	(1) 0.92" (23.4mm) Cable
102.0	(6) 0.82" (20.8mm) 8 AWG 6
102.0	(3) 0.40" (10.3mm) Fiber
95.0	(1) 1.25" Thick Flat Plate
95.0	(1) 1.25" Thick Flat Plate
95.0	(1) 1.25" Thick Flat Plate
95.0	(1) 1.25" Thick Flat Plate
90.0	(4) 1 1/4" (1.25"- 31.8mm) Fiber
87.0	(1) 1.25" Thick Flat Plate
87.0	(1) 1.25" Thick Flat Plate
87.0	(1) 1.25" Thick Flat Plate
87.0	(1) 1.25" Thick Flat Plate
81.0	(1) #20 DYWIDAG
81.0	(1) #20 DYWIDAG
81.0	(1) #20 DYWIDAG
81.0	(1) #20 DYWIDAG
80.0	(2) 1 5/8" Hybriflex
75.0	(1) 1.25" Thick Flat Plate
75.0	(1) 1.25" Thick Flat Plate
75.0	(1) 1.25" Thick Flat Plate
75.0	(1) 1.25" Thick Flat Plate
70.0	(1) 1.60" (40.6mm) Hybrid
60.0	(1) 7/8" Coax
60.0	(2) 0.41" (10.3mm) LMR-400
32.5	(1) W5 Bracket
32.5	(1) W5 Bracket
32.5	(1) W5 Bracket
32.5	(1) W5 Bracket
32.5	(1) #20 Bar
32.5	(1) #20 Bar
32.5	(1) #20 Bar
32.5	(1) #20 Bar
20.0	(1) 1.25" Thick Flat Plate
20.0	(1) 1.25" Thick Flat Plate
20.0	(1) 1.25" Thick Flat Plate
20.0	(1) 1.25" Thick Flat Plate

GLOBAL BASE REACTIONS

Load Case	Moment (kip-ft)	Axial (kip)	Shear (kip)
1.2D + 1.0W	2589.69	53.78	35.20
0.9D + 1.0W	2562.16	40.32	35.17
1.2D + 1.0Di + 1.0Wi	763.91	85.62	9.79
1.2D + 1.0Ev + 1.0Eh	117.96	53.24	1.39
0.9D - 1.0Ev + 1.0Eh	116.28	36.86	1.39
1.0D + 1.0W	663.88	44.88	9.13

DISH SERVICEABILITY

Load Case	Elevation (ft)	Deflection (in)	Rotation (°)
1.0D + 1.0W	63.50	5.443	0.819
1.0D + 1.0W	109.70	15.326	1.180
1.0D + 1.0W	109.70	15.326	1.180

LOAD CASE KEY

1.2D + 1.0W	112.09 mph Wind with No Ice
0.9D + 1.0W	112.09 mph Wind with No Ice (Reduc
1.2D + 1.0Di + 1.0Wi	48.73 mph Wind with 1.275" Radial
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	60 mph Wind with No Ice

ANALYSIS PARAMETERS

Location:	Hartford County,CT	**Height:**	110 ft
Type and Shape:	Custom, Round	**Base Diameter:**	30.00 in
Manufacturer:	ITT Meyer	**Top Diameter:**	12.75 in
K_d (non-service):	0.95	**Taper:**	0.1640 in/ft
K_e:	0.99	**Rotation:**	0.000°

ICE & WIND PARAMETERS

Risk Category:	II	**Design Wind Speed:**	112 mph
Exposure Category:	B	**Design Wind Speed w/ Ice:**	49 mph
Topo Factor Procedure:	Method 3	**Design Ice Thickness:**	1.28 in
Topographic Category:	4	**Service Wind Speed:**	60 mph
Crest Height:	148 ft	**HMSL:**	286.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil		**Period Based on Rayleigh Method (sec):**		1.90
T_L (sec):	6	**P:**	1	**C_s:**	0.031
S_s:	0.192	**S_1:**	0.055	**C_s Max:**	0.031
F_a:	1.600	**F_v:**	2.400	**C_s Min:**	0.030
S_{ds}:	0.205	**S_{d1}:**	0.088		

LOAD CASES

1.2D + 1.0W	112.09 mph Wind with No Ice
0.9D + 1.0W	112.09 mph Wind with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	48.73 mph Wind with 1.275" Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	60 mph Wind with No Ice

SHAFT SECTION PROPERTIES

							Bottom						Top						
Section	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Dia (in)	Elev (ft)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)
1-12	32.83	0.2500	65		0.00	2,434	30.00	0.000	23.95	2,705.5	29.47	120.00	24.62	32.83	19.62	1,488.2	23.71	98.50	0.1637
2-12	36.42	0.2500	50	Slip	42.00	2,241	25.70	29.330	20.49	1,693.5	24.86	102.79	19.73	65.75	15.69	760.3	18.47	78.94	0.1637
3-12	37.08	0.1875	50	Slip	34.00	1,322	20.57	62.917	12.31	653.1	26.72	109.72	14.50	100.00	8.64	226.2	18.05	77.33	0.1637
4-R	10.00	0.3750	35	Butt	0.00	496	12.75	100.000	14.58	279.3	0.00	34.00	12.75	110.00	14.58	279.3	0.00	34.00	0.0000
			Total Shaft Weight			**6,493**													

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
110.00	Clearwirre Side Arm	1	1.00	0.000	560.00	8.500	1.00	928.67	14.096	1.00
109.90	Argus LLPX310R	3	0.80	0.000	28.60	4.292	0.63	113.76	5.855	0.63
109.80	DragonWave Horizon Compact	2	0.80	0.000	10.60	0.721	0.50	31.85	1.259	0.50
109.70	DragonWave A-ANT-11G-2.5-C	1	1.00	0.000	47.60	8.670	0.97	215.07	10.303	0.97
109.70	DragonWave A-ANT-23G-1-C	1	1.00	0.000	15.00	1.610	0.78	48.39	2.326	0.78
109.00	Generic 12" x 12" Junction Box	1	0.80	0.000	10.00	1.200	0.50	49.39	1.886	0.50
107.00	Samsung 1.9GHz RRH	3	0.80	0.000	59.50	2.737	0.50	135.59	3.798	0.50
104.00	Ericsson AIR 6419 B77G	3	0.75	0.000	66.10	3.797	0.65	158.01	5.045	0.65
102.00	Quintel QD6616-7	2	0.75	0.000	130.00	15.400	0.73	407.28	18.451	0.73
102.00	CCI DMP65R-BU8DA-K	1	0.75	0.000	119.00	17.871	1.00	441.19	21.364	1.00
102.00	Quintel QD8616-7	1	0.75	0.000	150.00	18.815	1.00	510.95	22.319	1.00
102.00	Small Platform with Handrails	1	1.00	0.000	2000.00	34.800	1.00	3320.72	57.780	1.00
102.00	CCI DMP65R-BU6DA	2	0.75	0.000	79.40	12.709	0.72	323.58	15.353	0.72
102.00	Raycap DC9-48-60-24-8C-EV	1	0.75	0.000	16.00	4.788	0.67	138.37	6.182	0.67
102.00	Ericsson RRUS-11	3	0.75	0.200	55.00	3.792	0.50	140.10	5.009	0.50
102.00	Ericsson RRUS 32 B30	3	0.75	0.000	60.00	2.743	0.50	129.73	3.852	0.50
102.00	Ericsson RRUS 4449 B5, B12	3	0.75	0.000	71.00	1.969	0.50	132.09	2.853	0.50
102.00	Ericsson RRUS 4415 B25	3	0.75	0.000	46.00	1.842	0.50	92.48	2.692	0.50
102.00	Ericsson RRUS 4478 B14	3	0.75	0.400	59.90	1.842	0.50	112.31	2.692	0.50
102.00	Ericsson RRUS 4426 B66	3	0.75	0.400	48.40	1.650	0.50	90.72	2.455	0.50
102.00	Raycap DC6-48-60-18-8F(32.8 lb	2	0.75	2.900	32.80	1.470	1.00	91.28	2.132	1.00
100.00	Ericsson AIR 6449 B77D/ C-Band	3	0.75	0.000	81.60	4.028	0.70	192.15	5.330	0.70
90.00	RFS APXVAARR24_43-U-NA20	3	0.75	0.000	127.90	20.243	0.63	501.81	23.775	0.63
90.00	Flat Platform w/ Round Handrai	1	1.00	0.000	2500.00	34.800	1.00	4158.79	57.890	1.00
90.00	Ericsson Air 3246 B66	3	0.75	0.000	180.00	7.939	0.69	2755.45	10.099	0.69
90.00	Generic Mount Reinforcement	1	1.00	0.000	200.00	7.500	1.00	384.32	14.631	1.00
90.00	Ericsson AIR32 B66Aa/B2a	3	0.75	-3.000	132.20	6.510	0.71	284.21	8.596	0.71
90.00	Ericsson Air6449 B41	3	0.75	0.000	104.00	5.682	0.63	233.80	7.194	0.63
90.00	Ericsson RRUS 4415 B25	3	0.75	0.000	46.00	1.842	0.50	92.70	2.696	0.50
90.00	Ericsson Radio 4449 B71 B85A	3	0.75	0.000	75.00	1.650	0.50	132.28	2.459	0.50
84.30	Raycap RVZDC-6627-PF-48	1	0.80	0.000	32.00	3.781	0.50	136.64	5.043	0.50
80.00	Commscope CBC78T-DS-43-2X	3	0.80	0.000	20.70	0.552	0.50	41.81	1.037	0.50
80.00	Generic Round Low Profile Plat	1	1.00	0.000	1875.00	21.700	1.00	2648.72	40.042	1.00
80.00	Commscope JAHH-65B-R3B (63.3 l	6	0.80	0.000	63.30	9.113	0.69	256.59	11.764	0.69
80.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	178.98	6.160	0.61
80.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	145.35	2.737	0.50
80.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	124.95	2.737	0.50
80.00	Samsung RT4401-48A	3	0.80	0.000	18.60	0.996	0.50	44.40	1.650	0.50
80.00	Samsung Outdoor CBRS 20W RRH –	3	0.80	0.000	4.40	0.892	0.50	21.60	1.502	0.50
70.00	Generic Round Platform with Ha	1	1.00	0.000	2500.00	27.200	1.00	4052.47	50.629	1.00
70.00	Raycap RDIDC-9181-PF-48	1	0.75	0.000	21.90	1.867	0.50	76.44	2.730	0.50
70.00	JMA Wireless MX08FRO665-21	3	0.75	0.000	64.50	12.489	0.64	310.85	15.183	0.64
70.00	Fujitsu TA08025-B604	3	0.75	0.000	63.90	1.962	0.50	119.80	2.844	0.50
70.00	Fujitsu TA08025-B605	3	0.75	0.000	75.00	1.962	0.50	135.05	2.844	0.50
63.50	Radio Waves SP2-4.7	1	1.00	0.000	22.00	5.228	0.69	75.17	6.713	0.69
63.00	Generic Radio/ODU	1	1.00	0.000	30.00	1.600	0.50	79.08	2.408	0.50
60.80	Scala 840 10212	1	1.00	0.000	6.70	2.175	0.50	54.93	3.211	0.50
60.00	Stand Off	1	1.00	0.000	75.00	2.500	1.00	110.13	3.755	1.00
Totals	**Row Count: 48**	**107**			**16,239.40**			**39,936.90**		

LINEAR APPURTENANCE PROPERTIES

Elev From (ft)	Elev To (ft)	Qty	Description	Diameter (in)	Weight (lb/ft)	Flat	Max/ Row	Distance Between Rows(in)	Distance Between Cols(in)	Azimuth (deg)	Distance From Face (in)	Exposed To Wind	Carrier
0.00	110.00	2	1/2" Coax	0.63	0.15	N	1	0	0	290	0	Y	CLEARWIRE CORPORATI
0.00	110.00	1	2" conduit	2.38	3.65	N	1	0	0	280	0	Y	CLEARWIRE CORPORATI
0.00	102.00	6	0.82" (20.8mm) 8 AWG	0.82	0.62	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	102.00	6	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	102.00	6	1 5/8" Coax	1.98	0.82	N	3	0	0	218	0	Y	AT&T MOBILITY
0.00	102.00	3	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	102.00	3	0.40" (10.3mm) Fiber	0.4	0.09	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	102.00	1	0.92" (23.4mm) Cable	0.92	0.89	N	0	0	0	0	0	N	AT&T MOBILITY
81.00	95.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	120	0	Y	
81.00	95.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	30	0	Y	
81.00	95.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	300	0	Y	
81.00	95.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	210	0	Y	
0.00	90.00	4	1 1/4" (1.25"- 31.8mm	1.25	1.05	N	0	0	0	0	0	N	T-MOBILE
75.00	87.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	30	0	Y	
75.00	87.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	210	0	Y	
75.00	87.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	120	0	Y	
75.00	87.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	300	0	Y	
0.00	81.00	1	#20 DYWIDAG	4	4.68	N	1	0	0	180	0	Y	
0.00	81.00	1	#20 DYWIDAG	4	4.68	N	1	0	0	0	0	Y	
0.00	81.00	1	#20 DYWIDAG	4	4.68	N	1	0	0	270	0	Y	
0.00	81.00	1	#20 DYWIDAG	4	4.68	N	1	0	0	90	0	Y	
0.00	80.00	2	1 5/8" Hybriflex	1.98	1.3	N	2	0.25	0.25	65	0	Y	VERIZON WIRELESS
20.00	75.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	210	0	Y	
20.00	75.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	300	0	Y	
20.00	75.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	30	0	Y	
20.00	75.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	120	0	Y	
0.00	70.00	1	1.60" (40.6mm) Hybrid	1.6	2.34	N	0	0	0	0	0	N	DISH WIRELESS L.L.C.
0.00	60.00	2	0.41" (10.3mm) LMR-40	0.41	0.07	N	2	0.25	0.25	73	0	Y	TOWN OF WEST HARTFO
0.00	60.00	1	7/8" Coax	1.09	0.33	N	1	0	0	69	0	Y	TOWN OF WEST HARTFO
0.00	32.50	1	#20 Bar	4	0	N	1	0	0	10	0	Y	
0.00	32.50	1	#20 Bar	4	0	N	1	0	0	100	0	Y	
0.00	32.50	1	W5 Bracket	1.55	5.7	Y	1	0	0	280	0	Y	
0.00	32.50	1	W5 Bracket	1.55	5.7	Y	1	0	0	10	0	Y	
0.00	32.50	1	#20 Bar	4	0	N	1	0	0	280	0	Y	
0.00	32.50	1	W5 Bracket	1.55	5.7	Y	1	0	0	190	0	Y	
0.00	32.50	1	W5 Bracket	1.55	5.7	Y	1	0	0	100	0	Y	
0.00	32.50	1	#20 Bar	4	0	N	1	0	0	190	0	Y	
0.00	20.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	210	0	Y	
0.00	20.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	120	0	Y	
0.00	20.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	300	0	Y	
0.00	20.00	1	1.25" Thick Flat Plat	1.25	0	Y	1	0	0	30	0	Y	

ADDITIONAL STEEL

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Intermediate Connectors Offset (in)	Intermediate Connectors Bracket Type	Intermediate Connectors Spacing (in)	Intermediate Connectors Length (in)	Connectors	Continuation?
0.00	77.00	4	PL PL 6 x 1.25	58	0.00	AJAX M20 Class 8.8	24.00	3.00	AJAX M20 Class 8.8	Y
0.00	12.00	4	SOL #20 All Thread Bar	80	2.31	6" Angle Bracket	39.00	3.31	5/8" A36 U-Bolt	N
0.00	25.48	4	SOL #20 All Thread Bar	80	5.15	6" T Bracket	30.00	3.31	5/8" A36 U-Bolt	N
12.00	77.04	4	SOL #20 All Thread Bar	80	2.31	6" Angle Bracket	30.00	3.31	5/8" A36 U-Bolt	Y
77.00	85.00	4	PL PL 5" x 1.25"	55	0.00	AJAX M20 Class 8.8	24.00	3.00	AJAX M20 Class 8.8	N
85.00	93.00	4	PL PL 5" x 1.25"	55	0.00	AJAX M20 Class 8.8	24.00	3.00	AJAX M20 Class 8.8	Y

SEGMENT PROPERTIES

Seg Top Elev (ft)	Description (Max Length: 5 ft)	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		0.2500	30.000	23.949	2,705.50	29.47	120.00	72.6	174.2	0.0	0.0	69.280	11,676.60	0.0

SEGMENT PROPERTIES

Seg Top Elev (ft)	Description (Max Length: 5 ft)	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)
5.00		0.2500	29.182	23.290	2,488.30	28.60	116.73	73.5	164.7	0.0	401.9	69.280	11,162.60	1,178.0
10.00		0.2500	28.363	22.631	2,283.00	27.72	113.45	74.5	155.5	0.0	390.6	69.280	10,660.40	1,178.0
12.00	Reinf. Top Reinf Bottom	0.2500	28.036	22.367	2,204.20	27.37	112.14	74.9	151.9	0.0	153.1	69.280	10,462.80	471.2
15.00		0.2500	27.545	21.972	2,089.30	26.84	110.18	75.4	146.5	0.0	226.3	69.280	10,170.10	706.8
20.00		0.2500	26.726	21.313	1,906.90	25.97	106.90	76.4	137.8	0.0	368.2	69.280	9,691.60	1,178.0
25.00		0.2500	25.908	20.654	1,735.50	25.09	103.63	77.4	129.4	0.0	357.0	69.280	9,224.90	1,178.0
25.48	Reinf. Top	0.2500	25.829	20.591	1,719.60	25.00	103.32	77.4	128.6	0.0	33.7	69.280	9,180.80	113.1
29.33	Bot - Section 2	0.2500	25.199	20.084	1,595.60	24.33	100.79	78.2	122.3	0.0	266.4	49.640	5,278.00	649.9
30.00		0.2500	25.089	19.995	1,574.70	24.21	100.36	78.3	121.2	0.0	92.3	49.640	5,420.90	113.1
32.83	Top - Section 1	0.2500	25.126	20.025	1,581.60	24.25	100.50	62.7	121.6	0.0	385.4	49.640	5,251.40	477.7
35.00		0.2500	24.771	19.739	1,514.90	23.87	99.08	63	118.1	0.0	146.8	49.640	5,123.30	366.3
40.00		0.2500	23.952	19.080	1,368.20	22.99	95.81	63	110.3	0.0	330.2	49.640	4,834.30	844.0
45.00		0.2500	23.134	18.421	1,231.30	22.11	92.53	63	102.8	0.0	319.0	49.640	4,553.90	844.0
50.00		0.2500	22.315	17.762	1,103.80	21.24	89.26	63	95.6	0.0	307.8	49.640	4,282.00	844.0
55.00		0.2500	21.497	17.103	985.50	20.36	85.99	63	88.6	0.0	296.6	49.640	4,018.60	844.0
60.00		0.2500	20.678	16.445	875.90	19.48	82.71	63	81.8	0.0	285.4	49.640	3,763.80	844.0
60.80		0.2500	20.547	16.339	859.20	19.34	82.19	63	80.8	0.0	44.6	49.640	3,723.80	135.0
62.92	Bot - Section 3	0.2500	20.201	16.060	815.90	18.97	80.80	63	78.0	0.0	116.7	49.640	3,619.10	357.3
63.00		0.2500	20.187	16.049	814.20	18.96	80.75	63	77.9	0.0	8.1	49.640	3,728.30	14.1
63.50		0.2500	20.105	15.983	804.30	18.87	80.42	63	77.3	0.0	48.1	49.640	3,703.40	84.4
65.00		0.2500	19.860	15.786	774.80	18.61	79.44	63	75.4	0.0	143.2	49.640	3,629.30	253.2
65.75	Top - Section 2	0.1875	20.112	12.029	609.50	26.06	107.26	61.4	58.5	0.0	70.9	49.640	3,592.50	126.6
70.00		0.1875	19.416	11.609	547.90	25.07	103.55	62.1	54.5	0.0	170.9	49.640	3,387.60	717.4
75.00		0.1875	18.598	11.115	480.80	23.90	99.19	63	49.9	0.0	193.3	49.640	3,154.60	844.0
77.00	Reinf. Top Reinf Bottom	0.1875	18.270	10.917	455.60	23.43	97.44	63	48.2	0.0	75.0	49.640	3,063.70	337.6
77.04	Reinf. Top	0.1875	18.264	10.913	455.10	23.42	97.41	63	48.1	0.0	1.5	44.640	2,804.60	6.1
80.00		0.1875	17.779	10.621	419.50	22.73	94.82	63	45.6	0.0	108.4	25.000	1,159.20	252.2
84.30		0.1875	17.075	10.196	371.10	21.72	91.07	63	42.0	0.0	152.3	25.000	1,077.10	366.4
85.00	Reinf. Top Reinf Bottom	0.1875	16.961	10.127	363.60	21.56	90.46	63	41.4	0.0	24.2	25.000	1,064.00	59.6
90.00		0.1875	16.142	9.633	313.00	20.39	86.09	63	37.5	0.0	168.1	25.000	972.90	426.0
93.00	Reinf. Top	0.1875	15.651	9.336	284.90	19.69	83.47	63	35.2	0.0	96.8	25.000	920.30	255.6
95.00		0.1875	15.324	9.138	267.20	19.22	81.73	63	33.7	0.0	62.9			
100.00	Top - Section 3	0.1875	14.505	8.644	226.20	18.05	77.36	63	30.1	0.0	151.3			
100.00	Bot - Section 4	0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4				
102.00		0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4	99.2			
104.00		0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4	99.2			
105.00		0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4	49.6			
107.00		0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4	99.2			
109.00		0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4	99.2			
109.70		0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4	34.7			
109.80		0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4	5.0			
109.90		0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4	5.0			
110.00		0.3750	12.750	14.579	279.30	0.00	34.00	35	43.8	57.4	5.0			
										Totals:	**6,493.1**			**16,065.6**

CALCULATED FORCES

Load Case: 1.2D + 1.0W — 112.09 mph Wind with No Ice — 23 Iterations

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

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-53.78	-35.20	0.00	-2,589.7	0.00	2,589.69	1,564.13	420.30	1,179.53	948.21	0	0	0.530
5.00	-51.26	-34.30	0.00	-2,413.7	0.00	2,413.69	1,541.15	408.74	1,115.53	908.36	0.14	-0.25	0.500
10.00	-48.80	-33.62	0.00	-2,242.2	0.00	2,242.20	1,517.04	397.17	1,053.33	868.64	0.53	-0.49	0.470
12.00	-47.79	-33.22	0.00	-2,175.0	0.00	2,174.97	1,507.08	392.55	1,028.94	852.79	0.76	-0.59	0.459
15.00	-46.28	-32.60	0.00	-2,075.3	0.00	2,075.33	1,491.79	385.61	992.90	829.09	1.18	-0.73	0.441
20.00	-43.83	-31.80	0.00	-1,912.3	0.00	1,912.32	1,465.41	374.05	934.26	789.78	2.07	-0.96	0.412
25.00	-41.45	-31.26	0.00	-1,753.3	0.00	1,753.32	1,437.89	362.48	877.41	750.77	3.2	-1.19	0.384
25.48	-41.18	-31.01	0.00	-1,738.3	0.00	1,738.31	1,435.19	361.37	872.05	747.05	3.32	-1.21	0.381

CALCULATED FORCES

25.48	-41.18	-31.01	0.00	-1,738.3	0.00	1,738.31	1,435.19	361.37	872.05	747.05	3.32	-1.21	0.569
29.33	-39.66	-30.61	0.00	-1,618.9	0.00	1,618.91	1,413.15	352.47	829.62	717.27	4.37	-1.38	0.540
30.00	-39.30	-30.42	0.00	-1,598.4	0.00	1,598.41	1,409.24	350.92	822.34	712.11	4.57	-1.42	0.521
32.83	-37.93	-30.05	0.00	-1,512.3	0.00	1,512.33	1,130.12	270.34	634.44	571.92	5.47	-1.6	0.634
35.00	-37.06	-29.62	0.00	-1,447.1	0.00	1,447.12	1,119.20	266.48	616.46	558.23	6.23	-1.74	0.613
40.00	-35.19	-28.91	0.00	-1,299.0	0.00	1,299.03	1,081.84	257.58	576.00	521.40	8.21	-2.03	0.571
45.00	-33.35	-28.19	0.00	-1,154.5	0.00	1,154.49	1,044.48	248.69	536.92	485.83	10.49	-2.31	0.527
50.00	-31.53	-27.47	0.00	-1,013.6	0.00	1,013.55	1,007.12	239.79	499.21	451.52	13.06	-2.58	0.481
55.00	-29.74	-26.74	0.00	-876.2	0.00	876.21	969.76	230.90	462.88	418.46	15.9	-2.83	0.434
60.00	-27.92	-26.07	0.00	-742.5	0.00	742.50	932.41	222.00	427.91	386.66	18.99	-3.06	0.384
60.80	-27.63	-25.84	0.00	-721.6	0.00	721.64	926.43	220.58	422.45	381.69	19.51	-3.09	0.376
62.92	-26.90	-25.62	0.00	-667.0	0.00	666.96	910.61	216.81	408.15	368.69	20.9	-3.18	0.354
63.00	-26.83	-25.54	0.00	-664.8	0.00	664.82	909.99	216.66	407.59	368.18	20.96	-3.19	0.345
63.50	-26.62	-25.24	0.00	-652.0	0.00	652.05	906.25	215.77	404.26	365.14	21.29	-3.21	0.339
65.00	-26.03	-25.04	0.00	-614.2	0.00	614.20	895.05	213.11	394.32	356.11	22.31	-3.27	0.324
65.75	-25.72	-24.78	0.00	-595.4	0.00	595.42	664.45	162.40	305.24	269.50	22.83	-3.3	0.351
70.00	-20.74	-21.30	0.00	-490.1	0.00	490.12	648.89	156.72	284.30	253.91	25.84	-3.45	0.293
75.00	-19.16	-20.70	0.00	-383.6	0.00	383.62	629.88	150.05	260.62	235.88	29.54	-3.61	0.240
77.00	-18.54	-20.49	0.00	-342.2	0.00	342.22	619.01	147.38	251.44	227.65	31.06	-3.66	0.219
77.00	-18.54	-20.49	0.00	-342.2	0.00	342.22	619.01	147.38	251.44	227.65	31.06	-3.66	0.235
77.04	-18.52	-20.36	0.00	-341.4	0.00	341.40	618.79	147.33	251.26	227.48	31.1	-3.66	0.235
77.04	-18.52	-20.36	0.00	-341.4	0.00	341.40	618.79	147.33	251.26	227.48	31.1	-3.66	0.437
80.00	-14.40	-16.29	0.00	-281.1	0.00	281.13	602.20	143.38	237.97	215.39	33.4	-3.75	0.367
84.30	-13.54	-15.79	0.00	-211.1	0.00	211.10	578.11	137.64	219.31	198.41	36.86	-3.94	0.293
85.00	-13.40	-15.57	0.00	-200.0	0.00	200.04	574.18	136.71	216.35	195.71	37.44	-3.96	0.280
90.00	-7.25	-9.44	0.00	-122.2	0.00	122.18	546.16	130.04	195.76	176.97	41.69	-4.12	0.177
93.00	-6.73	-9.20	0.00	-93.9	0.00	93.86	529.35	126.04	183.90	166.19	44.3	-4.2	0.142
93.00	-6.73	-9.20	0.00	-93.9	0.00	93.86	529.35	126.04	183.90	166.19	44.3	-4.2	0.583
95.00	-6.58	-8.92	0.00	-75.5	0.00	75.46	518.15	123.37	176.19	159.18	46.07	-4.24	0.492
100.00	-5.95	-8.32	0.00	-30.8	0.00	30.85	459.24	137.77	149.89	150.79	50.67	-4.52	0.221
100.00	-5.95	-8.32	0.00	-30.8	0.00	30.85	490.13	116.70	157.66	142.33	50.67	-4.52	0.234
102.00	-1.68	-2.20	0.00	-13.8	0.00	13.77	459.24	137.77	149.89	150.79	52.58	-4.58	0.095
104.00	-1.35	-1.82	0.00	-9.4	0.00	9.38	459.24	137.77	149.89	150.79	54.5	-4.6	0.065
105.00	-1.29	-1.74	0.00	-7.6	0.00	7.56	459.24	137.77	149.89	150.79	55.46	-4.61	0.053
107.00	-0.97	-1.46	0.00	-4.1	0.00	4.07	459.24	137.77	149.89	150.79	57.39	-4.62	0.029
109.00	-0.83	-1.36	0.00	-1.2	0.00	1.16	459.24	137.77	149.89	150.79	59.33	-4.63	0.010
109.70	-0.75	-0.85	0.00	-0.2	0.00	0.21	459.24	137.77	149.89	150.79	60.01	-4.63	0.003
109.80	-0.72	-0.81	0.00	-0.1	0.00	0.13	459.24	137.77	149.89	150.79	60.1	-4.63	0.002
109.90	-0.64	-0.48	0.00	-0.0	0.00	0.05	459.24	137.77	149.89	150.79	60.2	-4.63	0.002
110.00	0.00	-0.42	0.00	0.0	0.00	0.00	459.24	137.77	149.89	150.79	60.3	-4.63	0.000

CALCULATED FORCES

Load Case: 0.9D + 1.0W — 112.09 mph Wind with No Ice (Reduced DL) — 23 Iterations

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

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	-40.32	-35.17	0.00	-2,562.2	0.00	2,562.16	1,564.13	420.30	1,179.53	948.21	0	0	0.522
5.00	-38.39	-34.21	0.00	-2,386.3	0.00	2,386.31	1,541.15	408.74	1,115.53	908.36	0.14	-0.24	0.492
10.00	-36.52	-33.50	0.00	-2,215.3	0.00	2,215.27	1,517.04	397.17	1,053.33	868.64	0.53	-0.48	0.463
12.00	-35.75	-33.07	0.00	-2,148.3	0.00	2,148.27	1,507.08	392.55	1,028.94	852.79	0.75	-0.58	0.451
15.00	-34.60	-32.42	0.00	-2,049.1	0.00	2,049.06	1,491.79	385.61	992.90	829.09	1.16	-0.72	0.434
20.00	-32.73	-31.58	0.00	-1,887.0	0.00	1,886.96	1,465.41	374.05	934.26	789.78	2.05	-0.95	0.405
25.00	-30.94	-31.03	0.00	-1,729.0	0.00	1,729.04	1,437.89	362.48	877.41	750.77	3.17	-1.17	0.377
25.48	-30.72	-30.77	0.00	-1,714.1	0.00	1,714.14	1,435.19	361.37	872.05	747.05	3.29	-1.19	0.374
25.48	-30.72	-30.77	0.00	-1,714.1	0.00	1,714.14	1,435.19	361.37	872.05	747.05	3.29	-1.19	0.559
29.33	-29.57	-30.35	0.00	-1,595.7	0.00	1,595.69	1,413.15	352.47	829.62	717.27	4.32	-1.36	0.530
30.00	-29.29	-30.14	0.00	-1,575.4	0.00	1,575.35	1,409.24	350.92	822.34	712.11	4.51	-1.4	0.511
32.83	-28.24	-29.76	0.00	-1,490.1	0.00	1,490.06	1,130.12	270.34	634.44	571.92	5.4	-1.58	0.622
35.00	-27.58	-29.29	0.00	-1,425.5	0.00	1,425.48	1,119.20	266.48	616.46	558.23	6.15	-1.71	0.602
40.00	-26.15	-28.55	0.00	-1,279.0	0.00	1,279.02	1,081.84	257.58	576.00	521.40	8.11	-2	0.560
45.00	-24.74	-27.81	0.00	-1,136.3	0.00	1,136.27	1,044.48	248.69	536.92	485.83	10.36	-2.28	0.517
50.00	-23.36	-27.06	0.00	-997.2	0.00	997.25	1,007.12	239.79	499.21	451.52	12.89	-2.54	0.472
55.00	-22.00	-26.33	0.00	-861.9	0.00	861.93	969.76	230.90	462.88	418.46	15.69	-2.79	0.424
60.00	-20.63	-25.66	0.00	-730.3	0.00	730.29	932.41	222.00	427.91	386.66	18.74	-3.01	0.375
60.80	-20.41	-25.42	0.00	-709.8	0.00	709.77	926.43	220.58	422.45	381.69	19.25	-3.05	0.367
62.92	-19.86	-25.21	0.00	-656.0	0.00	655.96	910.61	216.81	408.15	368.69	20.62	-3.14	0.346
63.00	-19.81	-25.13	0.00	-653.8	0.00	653.85	909.99	216.66	407.59	368.18	20.68	-3.14	0.337
63.50	-19.65	-24.82	0.00	-641.3	0.00	641.29	906.25	215.77	404.26	365.14	21.01	-3.16	0.332
65.00	-19.20	-24.64	0.00	-604.0	0.00	604.05	895.05	213.11	394.32	356.11	22.01	-3.22	0.317
65.75	-18.97	-24.36	0.00	-585.6	0.00	585.58	664.45	162.40	305.24	269.50	22.52	-3.25	0.343
70.00	-15.27	-20.95	0.00	-482.0	0.00	482.05	648.89	156.72	284.30	253.91	25.49	-3.4	0.287
75.00	-14.08	-20.36	0.00	-377.3	0.00	377.31	629.88	150.05	260.62	235.88	29.14	-3.55	0.234
77.00	-13.61	-20.16	0.00	-336.6	0.00	336.59	619.01	147.38	251.44	227.65	30.64	-3.61	0.214
77.00	-13.61	-20.16	0.00	-336.6	0.00	336.59	619.01	147.38	251.44	227.65	30.64	-3.61	0.230
77.04	-13.60	-20.03	0.00	-335.8	0.00	335.78	618.79	147.33	251.26	227.48	30.67	-3.61	0.229
77.04	-13.60	-20.03	0.00	-335.8	0.00	335.78	618.79	147.33	251.26	227.48	30.67	-3.61	0.427
80.00	-10.56	-16.02	0.00	-276.5	0.00	276.50	602.20	143.38	237.97	215.39	32.94	-3.69	0.359
84.30	-9.92	-15.53	0.00	-207.6	0.00	207.63	578.11	137.64	219.31	198.41	36.35	-3.88	0.286
85.00	-9.81	-15.31	0.00	-196.8	0.00	196.76	574.18	136.71	216.35	195.71	36.92	-3.91	0.274
90.00	-5.29	-9.29	0.00	-120.2	0.00	120.23	546.16	130.04	195.76	176.97	41.11	-4.06	0.173
93.00	-4.90	-9.06	0.00	-92.4	0.00	92.35	529.35	126.04	183.90	166.19	43.68	-4.13	0.139
93.00	-4.90	-9.06	0.00	-92.4	0.00	92.35	529.35	126.04	183.90	166.19	43.68	-4.13	0.570
95.00	-4.78	-8.78	0.00	-74.2	0.00	74.24	518.15	123.37	176.19	159.18	45.42	-4.17	0.481
100.00	-4.32	-8.18	0.00	-30.3	0.00	30.34	459.24	137.77	149.89	150.79	49.96	-4.45	0.214
100.00	-4.32	-8.18	0.00	-30.3	0.00	30.34	490.13	116.70	157.66	142.33	49.96	-4.45	0.227
102.00	-1.22	-2.16	0.00	-13.5	0.00	13.54	459.24	137.77	149.89	150.79	51.84	-4.51	0.093
104.00	-0.98	-1.79	0.00	-9.2	0.00	9.23	459.24	137.77	149.89	150.79	53.73	-4.53	0.063
105.00	-0.93	-1.71	0.00	-7.4	0.00	7.44	459.24	137.77	149.89	150.79	54.68	-4.54	0.052
107.00	-0.70	-1.43	0.00	-4.0	0.00	4.01	459.24	137.77	149.89	150.79	56.58	-4.55	0.028
109.00	-0.60	-1.34	0.00	-1.1	0.00	1.14	459.24	137.77	149.89	150.79	58.49	-4.56	0.009
109.70	-0.55	-0.83	0.00	-0.2	0.00	0.21	459.24	137.77	149.89	150.79	59.15	-4.56	0.003
109.80	-0.53	-0.80	0.00	-0.1	0.00	0.13	459.24	137.77	149.89	150.79	59.25	-4.56	0.002
109.90	-0.47	-0.46	0.00	-0.0	0.00	0.05	459.24	137.77	149.89	150.79	59.35	-4.56	0.001
110.00	0.00	-0.42	0.00	0.0	0.00	0.00	459.24	137.77	149.89	150.79	59.44	-4.56	0.000

CALCULATED FORCES

Load Case: 1.2D + 1.0Di + 1.0Wi — 48.73 mph Wind with 1.275" Radial Ice — 23 Iterations

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

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	-85.62	-9.79	0.00	-763.9	0.00	763.91	1,564.13	420.30	1,179.53	948.21	0	0	0.166
5.00	-82.59	-9.69	0.00	-715.0	0.00	714.97	1,541.15	408.74	1,115.53	908.36	0.04	-0.07	0.158
10.00	-79.50	-9.62	0.00	-666.5	0.00	666.52	1,517.04	397.17	1,053.33	868.64	0.16	-0.15	0.149
12.00	-78.26	-9.57	0.00	-647.3	0.00	647.29	1,507.08	392.55	1,028.94	852.79	0.22	-0.17	0.145
15.00	-76.40	-9.49	0.00	-618.6	0.00	618.59	1,491.79	385.61	992.90	829.09	0.35	-0.22	0.140
20.00	-73.31	-9.38	0.00	-571.1	0.00	571.13	1,465.41	374.05	934.26	789.78	0.61	-0.29	0.131
25.00	-70.23	-9.23	0.00	-524.2	0.00	524.21	1,437.89	362.48	877.41	750.77	0.95	-0.35	0.122
25.48	-69.94	-9.18	0.00	-519.8	0.00	519.78	1,435.19	361.37	872.05	747.05	0.99	-0.36	0.122
25.48	-69.94	-9.18	0.00	-519.8	0.00	519.78	1,435.19	361.37	872.05	747.05	0.99	-0.36	0.180
29.33	-67.89	-9.05	0.00	-484.4	0.00	484.44	1,413.15	352.47	829.62	717.27	1.3	-0.41	0.171
30.00	-67.47	-9.01	0.00	-478.4	0.00	478.38	1,409.24	350.92	822.34	712.11	1.36	-0.42	0.166
32.83	-65.75	-8.91	0.00	-452.9	0.00	452.87	1,130.12	270.34	634.44	571.92	1.62	-0.48	0.201
35.00	-64.72	-8.83	0.00	-433.5	0.00	433.54	1,119.20	266.48	616.46	558.23	1.85	-0.52	0.195
40.00	-62.36	-8.66	0.00	-389.4	0.00	389.41	1,081.84	257.58	576.00	521.40	2.44	-0.61	0.182
45.00	-60.02	-8.48	0.00	-346.1	0.00	346.10	1,044.48	248.69	536.92	485.83	3.12	-0.69	0.168
50.00	-57.71	-8.29	0.00	-303.7	0.00	303.68	1,007.12	239.79	499.21	451.52	3.89	-0.77	0.154
55.00	-55.42	-8.09	0.00	-262.2	0.00	262.22	969.76	230.90	462.88	418.46	4.74	-0.84	0.139
60.00	-53.04	-7.87	0.00	-221.8	0.00	221.78	932.41	222.00	427.91	386.66	5.66	-0.91	0.124
60.80	-52.64	-7.81	0.00	-215.5	0.00	215.48	926.43	220.58	422.45	381.69	5.82	-0.92	0.121
62.92	-51.70	-7.73	0.00	-199.0	0.00	198.96	910.61	216.81	408.15	368.69	6.23	-0.95	0.114
63.00	-51.58	-7.71	0.00	-198.3	0.00	198.31	909.99	216.66	407.59	368.18	6.25	-0.95	0.112
63.50	-51.26	-7.63	0.00	-194.5	0.00	194.46	906.25	215.77	404.26	365.14	6.35	-0.96	0.110
65.00	-50.53	-7.57	0.00	-183.0	0.00	183.01	895.05	213.11	394.32	356.11	6.65	-0.98	0.105
65.75	-50.16	-7.50	0.00	-177.3	0.00	177.33	664.45	162.40	305.24	269.50	6.81	-0.99	0.112
70.00	-42.33	-6.40	0.00	-145.4	0.00	145.45	648.89	156.72	284.30	253.91	7.71	-1.03	0.094
75.00	-40.25	-6.19	0.00	-113.4	0.00	113.43	629.88	150.05	260.62	235.88	8.81	-1.08	0.077
77.00	-39.42	-6.11	0.00	-101.0	0.00	101.05	619.01	147.38	251.44	227.65	9.27	-1.09	0.071
77.00	-39.42	-6.11	0.00	-101.0	0.00	101.05	619.01	147.38	251.44	227.65	9.27	-1.09	0.076
77.04	-39.41	-6.08	0.00	-100.8	0.00	100.81	618.79	147.33	251.26	227.48	9.28	-1.09	0.076
77.04	-39.41	-6.08	0.00	-100.8	0.00	100.81	618.79	147.33	251.26	227.48	9.28	-1.09	0.142
80.00	-32.44	-4.85	0.00	-82.8	0.00	82.81	602.20	143.38	237.97	215.39	9.96	-1.12	0.119
84.30	-31.15	-4.71	0.00	-62.0	0.00	61.96	578.11	137.64	219.31	198.41	11	-1.17	0.097
85.00	-30.96	-4.66	0.00	-58.7	0.00	58.67	574.18	136.71	216.35	195.71	11.17	-1.18	0.093
90.00	-14.03	-2.74	0.00	-35.4	0.00	35.36	546.16	130.04	195.76	176.97	12.44	-1.23	0.056
93.00	-13.31	-2.65	0.00	-27.2	0.00	27.15	529.35	126.04	183.90	166.19	13.22	-1.25	0.046
93.00	-13.31	-2.65	0.00	-27.2	0.00	27.15	529.35	126.04	183.90	166.19	13.22	-1.25	0.189
95.00	-13.03	-2.58	0.00	-21.8	0.00	21.84	518.15	123.37	176.19	159.18	13.74	-1.26	0.163
100.00	-11.82	-2.38	0.00	-9.0	0.00	8.95	459.24	137.77	149.89	150.79	15.11	-1.34	0.085
100.00	-11.82	-2.38	0.00	-9.0	0.00	8.95	490.13	116.70	157.66	142.33	15.11	-1.34	0.087
102.00	-3.33	-0.65	0.00	-4.1	0.00	4.07	459.24	137.77	149.89	150.79	15.68	-1.36	0.034
104.00	-2.66	-0.54	0.00	-2.8	0.00	2.76	459.24	137.77	149.89	150.79	16.25	-1.37	0.024
105.00	-2.56	-0.52	0.00	-2.2	0.00	2.22	459.24	137.77	149.89	150.79	16.54	-1.37	0.020
107.00	-1.95	-0.43	0.00	-1.2	0.00	1.19	459.24	137.77	149.89	150.79	17.11	-1.37	0.012
109.00	-1.70	-0.39	0.00	-0.3	0.00	0.34	459.24	137.77	149.89	150.79	17.69	-1.37	0.006
109.70	-1.39	-0.26	0.00	-0.1	0.00	0.07	459.24	137.77	149.89	150.79	17.89	-1.37	0.003
109.80	-1.32	-0.25	0.00	-0.0	0.00	0.04	459.24	137.77	149.89	150.79	17.92	-1.37	0.003
109.90	-0.99	-0.16	0.00	-0.0	0.00	0.02	459.24	137.77	149.89	150.79	17.95	-1.37	0.002
110.00	0.00	-0.13	0.00	0.0	0.00	0.00	459.24	137.77	149.89	150.79	17.98	-1.37	0.000

CALCULATED FORCES

Load Case: 1.0D + 1.0W — 60 mph Wind with No Ice — 22 Iterations

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

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-44.88	-9.13	0.00	-663.9	0.00	663.88	1,564.13	420.30	1,179.53	948.21	0	0	0.140
5.00	-42.89	-8.88	0.00	-618.2	0.00	618.23	1,541.15	408.74	1,115.53	908.36	0.04	-0.06	0.132
10.00	-40.91	-8.69	0.00	-573.8	0.00	573.85	1,517.04	397.17	1,053.33	868.64	0.14	-0.13	0.124
12.00	-40.12	-8.57	0.00	-556.5	0.00	556.47	1,507.08	392.55	1,028.94	852.79	0.19	-0.15	0.121
15.00	-38.94	-8.41	0.00	-530.8	0.00	530.75	1,491.79	385.61	992.90	829.09	0.3	-0.19	0.116
20.00	-36.98	-8.19	0.00	-488.7	0.00	488.72	1,465.41	374.05	934.26	789.78	0.53	-0.25	0.108
25.00	-35.04	-8.04	0.00	-447.8	0.00	447.79	1,437.89	362.48	877.41	750.77	0.82	-0.3	0.101
25.48	-34.85	-7.97	0.00	-443.9	0.00	443.93	1,435.19	361.37	872.05	747.05	0.85	-0.31	0.100
25.48	-34.85	-7.97	0.00	-443.9	0.00	443.93	1,435.19	361.37	872.05	747.05	0.85	-0.31	0.149
29.33	-33.62	-7.86	0.00	-413.2	0.00	413.24	1,413.15	352.47	829.62	717.27	1.12	-0.35	0.141
30.00	-33.36	-7.81	0.00	-408.0	0.00	407.97	1,409.24	350.92	822.34	712.11	1.17	-0.36	0.136
32.83	-32.27	-7.71	0.00	-385.9	0.00	385.88	1,130.12	270.34	634.44	571.92	1.4	-0.41	0.165
35.00	-31.62	-7.59	0.00	-369.2	0.00	369.15	1,119.20	266.48	616.46	558.23	1.59	-0.44	0.160
40.00	-30.15	-7.40	0.00	-331.2	0.00	331.20	1,081.84	257.58	576.00	521.40	2.1	-0.52	0.149
45.00	-28.69	-7.21	0.00	-294.2	0.00	294.20	1,044.48	248.69	536.92	485.83	2.68	-0.59	0.137
50.00	-27.24	-7.01	0.00	-258.2	0.00	258.17	1,007.12	239.79	499.21	451.52	3.34	-0.66	0.125
55.00	-25.81	-6.82	0.00	-223.1	0.00	223.10	969.76	230.90	462.88	418.46	4.07	-0.72	0.113
60.00	-24.31	-6.65	0.00	-189.0	0.00	188.99	932.41	222.00	427.91	386.66	4.85	-0.78	0.100
60.80	-24.08	-6.59	0.00	-183.7	0.00	183.67	926.43	220.58	422.45	381.69	4.99	-0.79	0.098
62.92	-23.48	-6.53	0.00	-169.7	0.00	169.73	910.61	216.81	408.15	368.69	5.34	-0.81	0.092
63.00	-23.43	-6.51	0.00	-169.2	0.00	169.19	909.99	216.66	407.59	368.18	5.36	-0.81	0.090
63.50	-23.24	-6.43	0.00	-165.9	0.00	165.93	906.25	215.77	404.26	365.14	5.44	-0.82	0.088
65.00	-22.76	-6.38	0.00	-156.3	0.00	156.29	895.05	213.11	394.32	356.11	5.7	-0.83	0.084
65.75	-22.52	-6.31	0.00	-151.5	0.00	151.50	664.45	162.40	305.24	269.50	5.83	-0.84	0.090
70.00	-18.26	-5.42	0.00	-124.7	0.00	124.69	648.89	156.72	284.30	253.91	6.6	-0.88	0.075
75.00	-16.95	-5.27	0.00	-97.6	0.00	97.57	629.88	150.05	260.62	235.88	7.55	-0.92	0.061
77.00	-16.43	-5.22	0.00	-87.0	0.00	87.03	619.01	147.38	251.44	227.65	7.94	-0.93	0.056
77.00	-16.43	-5.22	0.00	-87.0	0.00	87.03	619.01	147.38	251.44	227.65	7.94	-0.93	0.060
77.04	-16.42	-5.18	0.00	-86.8	0.00	86.82	618.79	147.33	251.26	227.48	7.95	-0.94	0.060
77.04	-16.42	-5.18	0.00	-86.8	0.00	86.82	618.79	147.33	251.26	227.48	7.95	-0.94	0.113
80.00	-12.81	-4.14	0.00	-71.5	0.00	71.48	602.20	143.38	237.97	215.39	8.53	-0.96	0.095
84.30	-12.10	-4.01	0.00	-53.7	0.00	53.67	578.11	137.64	219.31	198.41	9.42	-1	0.076
85.00	-11.99	-3.96	0.00	-50.9	0.00	50.86	574.18	136.71	216.35	195.71	9.57	-1.01	0.073
90.00	-6.56	-2.40	0.00	-31.1	0.00	31.08	546.16	130.04	195.76	176.97	10.65	-1.05	0.046
93.00	-6.12	-2.34	0.00	-23.9	0.00	23.87	529.35	126.04	183.90	166.19	11.32	-1.07	0.037
93.00	-6.12	-2.34	0.00	-23.9	0.00	23.87	529.35	126.04	183.90	166.19	11.32	-1.07	0.156
95.00	-5.99	-2.27	0.00	-19.2	0.00	19.19	518.15	123.37	176.19	159.18	11.77	-1.08	0.132
100.00	-5.45	-2.12	0.00	-7.8	0.00	7.85	459.24	137.77	149.89	150.79	12.94	-1.15	0.064
100.00	-5.45	-2.12	0.00	-7.8	0.00	7.85	490.13	116.70	157.66	142.33	12.94	-1.15	0.067
102.00	-1.53	-0.56	0.00	-3.5	0.00	3.50	459.24	137.77	149.89	150.79	13.43	-1.17	0.027
104.00	-1.23	-0.46	0.00	-2.4	0.00	2.39	459.24	137.77	149.89	150.79	13.92	-1.17	0.019
105.00	-1.18	-0.44	0.00	-1.9	0.00	1.92	459.24	137.77	149.89	150.79	14.17	-1.18	0.015
107.00	-0.89	-0.37	0.00	-1.0	0.00	1.04	459.24	137.77	149.89	150.79	14.66	-1.18	0.009
109.00	-0.78	-0.35	0.00	-0.3	0.00	0.30	459.24	137.77	149.89	150.79	15.15	-1.18	0.004
109.70	-0.68	-0.22	0.00	-0.0	0.00	0.05	459.24	137.77	149.89	150.79	15.33	-1.18	0.002
109.80	-0.65	-0.21	0.00	-0.0	0.00	0.03	459.24	137.77	149.89	150.79	15.35	-1.18	0.002
109.90	-0.56	-0.12	0.00	-0.0	0.00	0.01	459.24	137.77	149.89	150.79	15.38	-1.18	0.001
110.00	0.00	-0.11	0.00	0.0	0.00	0.00	459.24	137.77	149.89	150.79	15.4	-1.18	0.000

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

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

Spectral Response Acceleration for Short Period (S_S):	0.192
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.055
Long-Period Transition Period (T_L – Seconds):	6
Importance Factor (I_e):	1.000
Site Coefficient F_a:	1.600
Site Coefficient F_v:	2.400
Response Modification Coefficient (R):	1.500
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.205
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.088
Seismic Response Coefficient (C_s):	0.031
Upper Limit C_S:	0.031
Lower Limit C_S:	0.030
Period based on Rayleigh Method (sec):	1.900
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	1.700
Total Unfactored Dead Load:	44.890 k
Seismic Base Shear (E):	1.390 k

SEISMIC FORCES

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)
42	109.95	5	16	0.000	0	7
41	109.85	5	16	0.000	0	7
40	109.75	5	16	0.000	0	7
39	109.35	37	109	0.002	3	47
38	108	107	304	0.006	8	133
37	106	107	295	0.006	8	133
36	104.5	54	144	0.003	4	66
35	103	107	281	0.005	7	133
34	101	158	402	0.008	10	197
33	97.5	299	715	0.013	18	372
32	94	122	274	0.005	7	152
31	91.5	441	946	0.018	24	548
30	87.5	763	1,517	0.028	39	947
29	84.65	108	202	0.004	5	133
28	82.15	683	1,219	0.023	32	847
27	78.52	524	866	0.016	22	650
26	77.02	10	16	0.000	0	12
25	76	523	818	0.015	21	649
24	72.5	1,313	1,896	0.035	49	1,629
23	67.875	1,133	1,462	0.027	38	1,406
22	65.375	241	292	0.005	8	299
21	64.25	483	568	0.011	15	599
20	63.25	161	185	0.003	5	200
19	62.9583	27	31	0.001	1	33
18	61.8583	596	657	0.012	17	739
17	60.4	226	239	0.004	6	280
16	57.5	1,419	1,382	0.026	36	1,761
15	52.5	1,430	1,194	0.022	31	1,775
14	47.5	1,442	1,015	0.019	26	1,789
13	42.5	1,453	847	0.016	22	1,803
12	37.5	1,464	690	0.013	18	1,817
11	33.915	639	254	0.005	7	793
10	31.415	1,084	378	0.007	10	1,345
9	29.665	260	82	0.002	2	322
8	27.405	1,227	340	0.006	9	1,523
7	25.24	186	45	0.001	1	230
6	22.5	1,939	384	0.007	10	2,406
5	17.5	1,950	252	0.005	7	2,420

SEISMIC FORCES

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)
4	13.5	1,175	98	0.002	3	1,459
3	11	786	46	0.001	1	975
2	7.5	1,972	60	0.001	2	2,448
1	2.5	1,984	9	0.000	0	2,462
Clearwirre Side Arm	110	560	1,642	0.031	42	695
Argus LLPX310R	109.9	86	251	0.005	6	106
DragonWave Horizon Compact	109.8	21	62	0.001	2	26
DragonWave A-ANT-23G-1-C	109.7	15	44	0.001	1	19
DragonWave A-ANT-11G-2.5-C	109.7	48	139	0.003	4	59
Generic 12" x 12" Junction Box	109	10	29	0.000	1	12
Samsung 1.9GHz RRH	107	178	499	0.009	13	222
Ericsson AIR 6419 B77G	104	198	529	0.010	14	246
Raycap DC6-48-60-18-8F(32.8 lbs)	102	66	169	0.003	4	81
Ericsson RRUS 4426 B66	102	145	374	0.007	10	180
Ericsson RRUS 4478 B14	102	180	463	0.009	12	223
Ericsson RRUS 4415 B25	102	138	356	0.007	9	171
Ericsson RRUS 4415 B25	90	138	288	0.005	7	171
Ericsson RRUS 4449 B5, B12	102	213	549	0.010	14	264
Ericsson RRUS 32 B30	102	180	464	0.009	12	223
Ericsson RRUS-11	102	165	426	0.008	11	205
Raycap DC9-48-60-24-8C-EV	102	16	41	0.001	1	20
CCI DMP65R-BU6DA	102	159	410	0.008	11	197
Quintel QD6616-7	102	260	670	0.012	17	323
CCI DMP65R-BU8DA-K	102	119	307	0.006	8	148
Quintel QD8616-7	102	150	387	0.007	10	186
Small Platform with Handrails	102	2,000	5,158	0.096	133	2,482
Ericsson AIR 6449 B77D/ C-Band	100	245	610	0.011	16	304
Ericsson Radio 4449 B71 B85A	90	225	469	0.009	12	279
Ericsson Air6449 B41	90	312	651	0.012	17	387
Ericsson AIR32 B66Aa/B2a	90	397	827	0.015	21	492
Generic Mount Reinforcement	90	200	417	0.008	11	248
Ericsson Air 3246 B66	90	540	1,126	0.021	29	670
RFS APXVAARR24_43-U-NA20	90	384	800	0.015	21	476
Flat Platform w/ Round Handrails	90	2,500	5,212	0.097	135	3,102
Raycap RVZDC-6627-PF-48	84.3	32	60	0.001	2	40
Commscope CBC78T-DS-43-2X	80	62	106	0.002	3	77
Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	80	13	23	0.000	1	16
Samsung RT4401-48A	80	56	95	0.002	2	69
Samsung B5/B13 RRH-BR04C	80	211	360	0.007	9	262
Samsung B2/B66A RRH-BR049	80	253	432	0.008	11	314
Samsung MT6407-77A	80	245	418	0.008	11	304
Commscope JAHH-65B-R3B (63.3 lb)	80	380	648	0.012	17	471
Generic Round Low Profile Platform	80	1,875	3,201	0.060	83	2,327
Raycap RDIDC-9181-PF-48	70	22	30	0.001	1	27
Fujitsu TA08025-B605	70	225	306	0.006	8	279
Fujitsu TA08025-B604	70	192	261	0.005	7	238
JMA Wireless MX08FRO665-21	70	194	263	0.005	7	240
Generic Round Platform with Handrails	70	2,500	3,401	0.063	88	3,102
Radio Waves SP2-4.7	63.5	22	25	0.000	1	27
Generic Radio/ODU	63	30	34	0.001	1	37
Scala 840 10212	60.8	7	7	0.000	0	8
Stand Off	60	75	79	0.002	2	93
	Totals:	**44,886**	**53,678**	**1.000**	**1,388**	**55,702**

SEISMIC FORCES

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)
42	109.95	5	16	0.000	0	5
41	109.85	5	16	0.000	0	5
40	109.75	5	16	0.000	0	5

SEISMIC FORCES

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)
39	109.35	37	109	0.002	3	32
38	108	107	304	0.006	8	92
37	106	107	295	0.006	8	92
36	104.5	54	144	0.003	4	46
35	103	107	281	0.005	7	92
34	101	158	402	0.008	10	136
33	97.5	299	715	0.013	18	257
32	94	122	274	0.005	7	105
31	91.5	441	946	0.018	24	379
30	87.5	763	1,517	0.028	39	656
29	84.65	108	202	0.004	5	92
28	82.15	683	1,219	0.023	32	587
27	78.52	524	866	0.016	22	450
26	77.02	10	16	0.000	0	8
25	76	523	818	0.015	21	449
24	72.5	1,313	1,896	0.035	49	1,128
23	67.875	1,133	1,462	0.027	38	973
22	65.375	241	292	0.005	8	207
21	64.25	483	568	0.011	15	415
20	63.25	161	185	0.003	5	139
19	62.9583	27	31	0.001	1	23
18	61.8583	596	657	0.012	17	512
17	60.4	226	239	0.004	6	194
16	57.5	1,419	1,382	0.026	36	1,219
15	52.5	1,430	1,194	0.022	31	1,229
14	47.5	1,442	1,015	0.019	26	1,238
13	42.5	1,453	847	0.016	22	1,248
12	37.5	1,464	690	0.013	18	1,258
11	33.915	639	254	0.005	7	549
10	31.415	1,084	378	0.007	10	931
9	29.665	260	82	0.002	2	223
8	27.405	1,227	340	0.006	9	1,054
7	25.24	186	45	0.001	1	159
6	22.5	1,939	384	0.007	10	1,665
5	17.5	1,950	252	0.005	7	1,675
4	13.5	1,175	98	0.002	3	1,010
3	11	786	46	0.001	1	675
2	7.5	1,972	60	0.001	2	1,694
1	2.5	1,984	9	0.000	0	1,704
Clearwirre Side Arm	110	560	1,642	0.031	42	481
Argus LLPX310R	109.9	86	251	0.005	6	74
DragonWave Horizon Compact	109.8	21	62	0.001	2	18
DragonWave A-ANT-23G-1-C	109.7	15	44	0.001	1	13
DragonWave A-ANT-11G-2.5-C	109.7	48	139	0.003	4	41
Generic 12" x 12" Junction Box	109	10	29	0.000	1	9
Samsung 1.9GHz RRH	107	178	499	0.009	13	153
Ericsson AIR 6419 B77G	104	198	529	0.010	14	170
Raycap DC6-48-60-18-8F(32.8 lbs)	102	66	169	0.003	4	56
Ericsson RRUS 4426 B66	102	145	374	0.007	10	125
Ericsson RRUS 4478 B14	102	180	463	0.009	12	154
Ericsson RRUS 4415 B25	102	138	356	0.007	9	119
Ericsson RRUS 4415 B25	90	138	288	0.005	7	119
Ericsson RRUS 4449 B5, B12	102	213	549	0.010	14	183
Ericsson RRUS 32 B30	102	180	464	0.009	12	155
Ericsson RRUS-11	102	165	426	0.008	11	142
Raycap DC9-48-60-24-8C-EV	102	16	41	0.001	1	14
CCI DMP65R-BU6DA	102	159	410	0.008	11	136
Quintel QD6616-7	102	260	670	0.012	17	223
CCI DMP65R-BU8DA-K	102	119	307	0.006	8	102
Quintel QD8616-7	102	150	387	0.007	10	129
Small Platform with Handrails	102	2,000	5,158	0.096	133	1,718

SEISMIC FORCES

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)
Ericsson AIR 6449 B77D/ C-Band	100	245	610	0.011	16	210
Ericsson Radio 4449 B71 B85A	90	225	469	0.009	12	193
Ericsson Air6449 B41	90	312	651	0.012	17	268
Ericsson AIR32 B66Aa/B2a	90	397	827	0.015	21	341
Generic Mount Reinforcement	90	200	417	0.008	11	172
Ericsson Air 3246 B66	90	540	1,126	0.021	29	464
RFS APXVAARR24_43-U-NA20	90	384	800	0.015	21	330
Flat Platform w/ Round Handrails	90	2,500	5,212	0.097	135	2,148
Raycap RVZDC-6627-PF-48	84.3	32	60	0.001	2	27
Commscope CBC78T-DS-43-2X	80	62	106	0.002	3	53
Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	80	13	23	0.000	1	11
Samsung RT4401-48A	80	56	95	0.002	2	48
Samsung B5/B13 RRH-BR04C	80	211	360	0.007	9	181
Samsung B2/B66A RRH-BR049	80	253	432	0.008	11	218
Samsung MT6407-77A	80	245	418	0.008	11	210
Commscope JAHH-65B-R3B (63.3 lb)	80	380	648	0.012	17	326
Generic Round Low Profile Platform	80	1,875	3,201	0.060	83	1,611
Raycap RDIDC-9181-PF-48	70	22	30	0.001	1	19
Fujitsu TA08025-B605	70	225	306	0.006	8	193
Fujitsu TA08025-B604	70	192	261	0.005	7	165
JMA Wireless MX08FRO665-21	70	194	263	0.005	7	166
Generic Round Platform with Handrails	70	2,500	3,401	0.063	88	2,148
Radio Waves SP2-4.7	63.5	22	25	0.000	1	19
Generic Radio/ODU	63	30	34	0.001	1	26
Scala 840 10212	60.8	7	7	0.000	0	6
Stand Off	60	75	79	0.002	2	64
	Totals:	**44,886**	**53,678**	**1.000**	**1,388**	**38,559**

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

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-53.24	-1.39	0.00	-117.96	0.00	117.96	1,564.13	420.30	1,180	948.21	0.00	0.00	0.03
5.00	-50.79	-1.40	0.00	-110.99	0.00	110.99	1,541.15	408.74	1,116	908.36	0.01	-0.01	0.03
10.00	-49.82	-1.41	0.00	-103.99	0.00	103.99	1,517.04	397.17	1,053	868.64	0.02	-0.02	0.03
12.00	-48.36	-1.41	0.00	-101.17	0.00	101.17	1,507.08	392.55	1,029	852.79	0.03	-0.03	0.03
12.00	-48.36	-1.41	0.00	-101.17	0.00	101.17	1,507.08	392.55	1,029	852.79	0.03	-0.03	0.03
15.00	-45.94	-1.41	0.00	-96.95	0.00	96.95	1,491.79	385.61	993	829.09	0.05	-0.03	0.03
20.00	-43.53	-1.40	0.00	-89.91	0.00	89.91	1,465.41	374.05	934	789.78	0.10	-0.04	0.03
25.00	-43.30	-1.41	0.00	-82.90	0.00	82.90	1,437.89	362.48	877	750.77	0.15	-0.06	0.02
25.48	-41.78	-1.40	0.00	-82.22	0.00	82.22	1,435.19	361.37	872	747.05	0.15	-0.06	0.02
25.48	-41.78	-1.40	0.00	-82.22	0.00	82.22	1,435.19	361.37	872	747.05	0.15	-0.06	0.04
29.33	-41.46	-1.40	0.00	-76.83	0.00	76.83	1,413.15	352.47	830	717.27	0.20	-0.06	0.03
30.00	-40.11	-1.39	0.00	-75.89	0.00	75.89	1,409.24	350.92	822	712.11	0.21	-0.07	0.03
32.83	-39.32	-1.39	0.00	-71.95	0.00	71.95	1,130.12	270.34	634	571.92	0.25	-0.07	0.04
35.00	-37.50	-1.38	0.00	-68.93	0.00	68.93	1,119.20	266.48	616	558.23	0.29	-0.08	0.04
40.00	-35.70	-1.36	0.00	-62.04	0.00	62.04	1,081.84	257.58	576	521.40	0.38	-0.10	0.04
45.00	-33.91	-1.34	0.00	-55.24	0.00	55.24	1,044.48	248.69	537	485.83	0.49	-0.11	0.03
50.00	-32.13	-1.31	0.00	-48.54	0.00	48.54	1,007.12	239.79	499	451.52	0.61	-0.12	0.03
55.00	-30.37	-1.28	0.00	-41.98	0.00	41.98	969.76	230.90	463	418.46	0.74	-0.13	0.03
60.00	-30.00	-1.27	0.00	-35.59	0.00	35.59	932.41	222.00	428	386.66	0.89	-0.14	0.03
60.80	-29.25	-1.26	0.00	-34.57	0.00	34.57	926.43	220.58	422	381.69	0.91	-0.15	0.03
62.92	-29.22	-1.26	0.00	-31.91	0.00	31.91	910.61	216.81	408	368.69	0.98	-0.15	0.02
63.00	-28.98	-1.25	0.00	-31.81	0.00	31.81	909.99	216.66	408	368.18	0.98	-0.15	0.02
63.50	-28.35	-1.23	0.00	-31.18	0.00	31.18	906.25	215.77	404	365.14	1.00	-0.15	0.02
65.00	-28.06	-1.23	0.00	-29.33	0.00	29.33	895.05	213.11	394	356.11	1.05	-0.15	0.02
65.75	-26.65	-1.19	0.00	-28.41	0.00	28.41	664.45	162.40	305	269.50	1.07	-0.16	0.02
70.00	-21.13	-1.01	0.00	-23.37	0.00	23.37	648.89	156.72	284	253.91	1.21	-0.16	0.02
75.00	-20.49	-0.99	0.00	-18.30	0.00	18.30	629.88	150.05	261	235.88	1.39	-0.17	0.02

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
77.00	-20.47	-0.99	0.00	-16.31	0.00	16.31	619.01	147.38	251	227.65	1.46	-0.17	0.02
77.00	-20.47	-0.99	0.00	-16.31	0.00	16.31	619.01	147.38	251	227.65	1.46	-0.17	0.02
77.04	-19.82	-0.97	0.00	-16.27	0.00	16.27	618.79	147.33	251	227.48	1.46	-0.17	0.02
77.04	-19.82	-0.97	0.00	-16.27	0.00	16.27	618.79	147.33	251	227.48	1.46	-0.17	0.03
80.00	-15.14	-0.79	0.00	-13.40	0.00	13.40	602.20	143.38	238	215.39	1.57	-0.18	0.02
84.30	-14.96	-0.78	0.00	-10.00	0.00	10.00	578.11	137.64	219	198.41	1.74	-0.19	0.02
85.00	-14.02	-0.74	0.00	-9.46	0.00	9.46	574.18	136.71	216	195.71	1.76	-0.19	0.02
85.00	-14.02	-0.74	0.00	-9.46	0.00	9.46	574.18	136.71	216	195.71	1.76	-0.19	0.02
90.00	-7.64	-0.44	0.00	-5.75	0.00	5.75	546.16	130.04	196	176.97	1.96	-0.20	0.01
93.00	-7.49	-0.44	0.00	-4.42	0.00	4.42	529.35	126.04	184	166.19	2.09	-0.20	0.01
93.00	-7.49	-0.44	0.00	-4.42	0.00	4.42	529.35	126.04	184	166.19	2.09	-0.20	0.04
95.00	-7.12	-0.42	0.00	-3.54	0.00	3.54	518.15	123.37	176	159.18	2.17	-0.20	0.04
100.00	-6.62	-0.39	0.00	-1.46	0.00	1.46	490.13	116.70	158	142.33	2.39	-0.21	0.02
100.00	-6.62	-0.39	0.00	-1.46	0.00	1.46	459.24	137.77	150	150.79	2.39	-0.21	0.02
102.00	-1.78	-0.11	0.00	-0.67	0.00	0.67	459.24	137.77	150	150.79	2.48	-0.22	0.01
104.00	-1.47	-0.09	0.00	-0.45	0.00	0.45	459.24	137.77	150	150.79	2.57	-0.22	0.01
105.00	-1.34	-0.09	0.00	-0.36	0.00	0.36	459.24	137.77	150	150.79	2.62	-0.22	0.01
107.00	-0.98	-0.06	0.00	-0.18	0.00	0.18	459.24	137.77	150	150.79	2.71	-0.22	0.00
109.00	-0.93	-0.06	0.00	-0.06	0.00	0.06	459.24	137.77	150	150.79	2.80	-0.22	0.00
109.70	-0.84	-0.05	0.00	-0.02	0.00	0.02	459.24	137.77	150	150.79	2.83	-0.22	0.00
109.80	-0.81	-0.05	0.00	-0.01	0.00	0.01	459.24	137.77	150	150.79	2.84	-0.22	0.00
109.90	-0.69	-0.05	0.00	0.00	0.00	0.00	459.24	137.77	150	150.79	2.84	-0.22	0.00
110.00	0.00	-0.04	0.00	0.00	0.00	0.00	459.24	137.77	150	150.79	2.85	-0.22	0.00

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 (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-36.86	-1.39	0.00	-116.28	0.00	116.28	1,564.13	420.30	1,180	948.21	0.00	0.00	0.03
5.00	-35.16	-1.40	0.00	-109.33	0.00	109.33	1,541.15	408.74	1,116	908.36	0.01	-0.01	0.03
10.00	-34.49	-1.40	0.00	-102.35	0.00	102.35	1,517.04	397.17	1,053	868.64	0.02	-0.02	0.03
12.00	-33.48	-1.40	0.00	-99.55	0.00	99.55	1,507.08	392.55	1,029	852.79	0.03	-0.03	0.03
12.00	-33.48	-1.40	0.00	-99.55	0.00	99.55	1,507.08	392.55	1,029	852.79	0.03	-0.03	0.03
15.00	-31.80	-1.40	0.00	-95.36	0.00	95.36	1,491.79	385.61	993	829.09	0.05	-0.03	0.03
20.00	-30.13	-1.39	0.00	-88.38	0.00	88.38	1,465.41	374.05	934	789.78	0.09	-0.04	0.02
25.00	-29.97	-1.39	0.00	-81.43	0.00	81.43	1,437.89	362.48	877	750.77	0.15	-0.05	0.02
25.48	-28.92	-1.38	0.00	-80.76	0.00	80.76	1,435.19	361.37	872	747.05	0.15	-0.06	0.02
25.48	-28.92	-1.38	0.00	-80.76	0.00	80.76	1,435.19	361.37	872	747.05	0.15	-0.06	0.03
29.33	-28.70	-1.38	0.00	-75.43	0.00	75.43	1,413.15	352.47	830	717.27	0.20	-0.06	0.03
30.00	-27.77	-1.38	0.00	-74.50	0.00	74.50	1,409.24	350.92	822	712.11	0.21	-0.07	0.03
32.83	-27.22	-1.37	0.00	-70.60	0.00	70.60	1,130.12	270.34	634	571.92	0.25	-0.07	0.04
35.00	-25.96	-1.36	0.00	-67.62	0.00	67.62	1,119.20	266.48	616	558.23	0.28	-0.08	0.03
40.00	-24.71	-1.34	0.00	-60.84	0.00	60.84	1,081.84	257.58	576	521.40	0.38	-0.09	0.03
45.00	-23.47	-1.32	0.00	-54.14	0.00	54.14	1,044.48	248.69	537	485.83	0.48	-0.11	0.03
50.00	-22.24	-1.29	0.00	-47.55	0.00	47.55	1,007.12	239.79	499	451.52	0.60	-0.12	0.03
55.00	-21.02	-1.25	0.00	-41.11	0.00	41.11	969.76	230.90	463	418.46	0.73	-0.13	0.03
60.00	-20.77	-1.25	0.00	-34.84	0.00	34.84	932.41	222.00	428	386.66	0.87	-0.14	0.02
60.80	-20.25	-1.23	0.00	-33.85	0.00	33.85	926.43	220.58	422	381.69	0.90	-0.14	0.02
62.92	-20.23	-1.23	0.00	-31.24	0.00	31.24	910.61	216.81	408	368.69	0.96	-0.15	0.02
63.00	-20.06	-1.22	0.00	-31.14	0.00	31.14	909.99	216.66	408	368.18	0.97	-0.15	0.02
63.50	-19.63	-1.21	0.00	-30.53	0.00	30.53	906.25	215.77	404	365.14	0.98	-0.15	0.02
65.00	-19.42	-1.20	0.00	-28.72	0.00	28.72	895.05	213.11	394	356.11	1.03	-0.15	0.02
65.75	-18.45	-1.16	0.00	-27.82	0.00	27.82	664.45	162.40	305	269.50	1.05	-0.15	0.02
70.00	-14.63	-0.99	0.00	-22.88	0.00	22.88	648.89	156.72	284	253.91	1.19	-0.16	0.02
75.00	-14.18	-0.97	0.00	-17.91	0.00	17.91	629.88	150.05	261	235.88	1.36	-0.17	0.01
77.00	-14.17	-0.97	0.00	-15.96	0.00	15.96	619.01	147.38	251	227.65	1.44	-0.17	0.01
77.00	-14.17	-0.97	0.00	-15.96	0.00	15.96	619.01	147.38	251	227.65	1.44	-0.17	0.01
77.04	-13.72	-0.95	0.00	-15.92	0.00	15.92	618.79	147.33	251	227.48	1.44	-0.17	0.01
77.04	-13.72	-0.95	0.00	-15.92	0.00	15.92	618.79	147.33	251	227.48	1.44	-0.17	0.03

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
80.00	-10.48	-0.77	0.00	-13.11	0.00	13.11	602.20	143.38	238	215.39	1.54	-0.17	0.02
84.30	-10.36	-0.77	0.00	-9.79	0.00	9.79	578.11	137.64	219	198.41	1.71	-0.18	0.02
85.00	-9.70	-0.73	0.00	-9.25	0.00	9.25	574.18	136.71	216	195.71	1.73	-0.18	0.02
85.00	-9.70	-0.73	0.00	-9.25	0.00	9.25	574.18	136.71	216	195.71	1.73	-0.18	0.02
90.00	-5.29	-0.43	0.00	-5.62	0.00	5.62	546.16	130.04	196	176.97	1.93	-0.19	0.01
93.00	-5.19	-0.43	0.00	-4.32	0.00	4.32	529.35	126.04	184	166.19	2.05	-0.19	0.01
93.00	-5.19	-0.43	0.00	-4.32	0.00	4.32	529.35	126.04	184	166.19	2.05	-0.19	0.04
95.00	-4.93	-0.41	0.00	-3.47	0.00	3.47	518.15	123.37	176	159.18	2.13	-0.20	0.03
100.00	-4.58	-0.38	0.00	-1.42	0.00	1.42	490.13	116.70	158	142.33	2.35	-0.21	0.02
100.00	-4.58	-0.38	0.00	-1.42	0.00	1.42	459.24	137.77	150	150.79	2.35	-0.21	0.02
102.00	-1.23	-0.11	0.00	-0.66	0.00	0.66	459.24	137.77	150	150.79	2.44	-0.21	0.01
104.00	-1.02	-0.09	0.00	-0.44	0.00	0.44	459.24	137.77	150	150.79	2.52	-0.21	0.01
105.00	-0.93	-0.08	0.00	-0.35	0.00	0.35	459.24	137.77	150	150.79	2.57	-0.21	0.00
107.00	-0.68	-0.06	0.00	-0.18	0.00	0.18	459.24	137.77	150	150.79	2.66	-0.21	0.00
109.00	-0.64	-0.06	0.00	-0.06	0.00	0.06	459.24	137.77	150	150.79	2.75	-0.21	0.00
109.70	-0.58	-0.05	0.00	-0.01	0.00	0.01	459.24	137.77	150	150.79	2.78	-0.21	0.00
109.80	-0.56	-0.05	0.00	-0.01	0.00	0.01	459.24	137.77	150	150.79	2.79	-0.21	0.00
109.90	-0.48	-0.04	0.00	0.00	0.00	0.00	459.24	137.77	150	150.79	2.79	-0.21	0.00
110.00	0.00	-0.04	0.00	0.00	0.00	0.00	459.24	137.77	150	150.79	2.79	-0.21	0.00

ANALYSIS SUMMARY

Load Case	Base Reactions Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Max Usage Elev (ft)	Interaction Ratio
1.2D + 1.0W	35.20	0.00	53.78	0.00	0.00	2589.69	32.83	0.63
0.9D + 1.0W	35.17	0.00	40.32	0.00	0.00	2562.16	32.83	0.62
1.2D + 1.0Di + 1.0Wi	9.79	0.00	85.62	0.00	0.00	763.91	32.83	0.2
1.2D + 1.0Ev + 1.0Eh	1.41	0.00	53.24	0.00	0.00	117.96	93.00	0.04
0.9D - 1.0Ev + 1.0Eh	1.40	0.00	36.86	0.00	0.00	116.28	93.00	0.04
1.0D + 1.0W	9.13	0.00	44.88	0.00	0.00	663.88	32.83	0.17

ADDITIONAL STEEL SUMMARY

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors VQ/I (k/in)	Shear Applied (kips)	phiVn (kips)	Ratio	Max Member Pu (kip)	phiPn (kip)	Ratio
0.00	12.00	SOL #20 All Thread Bar	228.4	8.9	16.8	0.5299	201.8	315.5	0.6398
0.00	25.48	SOL #20 All Thread Bar	271.1	8.1	16.8	0.4837	229.9	330.5	0.6956
0.00	77.00	PL PL 6 x 1.25	464.7	11.2	38.3	0.2914	297.4	356.5	0.8343
12.00	77.04	SOL #20 All Thread Bar	391.3	11.7	16.8	0.6984	238.0	330.5	0.7203
77.00	85.00	PL PL 5" x 1.25"	742.3	17.8	38.3	0.4655	152.6	281.2	0.5426
85.00	93.00	PL PL 5" x 1.25"	620.7	14.9	38.3	0.3893	98.1	281.2	0.3488

Elev From (ft)	Elev To (ft)	Member	Upper Termination Connectors MQ/I (kips)	phiVn (kips)	Number Required	Number Actual	Ratio	Lower Termination Connectors MQ/I (kips)	phiVn (kip)	Number Required	Number Actual	Ratio
0.00	12.00	SOL #20 All Thread Bar	0	12	0	0	0.0000	0	12	0	0	0.0000
0.00	25.48	SOL #20 All Thread Bar	181.4813	12	16	20	0.7562	0	12	0	0	0.0000
0.00	77.00	PL PL 6 x 1.25	85.4147	38.27	3	10	0.2232	0	38.27	0	0	0.0000
12.00	77.04	SOL #20 All Thread Bar	78.2566	12	7	8	0.8152	0	12	0	0	0.0000
77.00	85.00	PL PL 5" x 1.25"	95.6899	38.27	3	10	0.2500	76.7965	38.27	3	8	0.2508
85.00	93.00	PL PL 5" x 1.25"	0	38.27	0	10	0.0000	0	38.27	0	8	0.0000

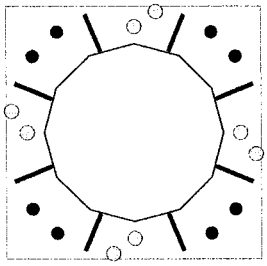
BASE PLATE ANALYSIS @ 0 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
2589.69	53.78	35.2

PLATE PARAMETERS (ID# 21813)

Width:	44	in
Shape:	Square	
Thickness:	2	in
Grade:	A572-60	
Yield Strength:	60	ksi
Tensile Strength:	75	ksi
Clip Length:	0	in
Rod Detail Type:	c	
Clear Distance	-	in
Base Weld Size:	0.125	in
Orientation Offset:	-	°
Analysis Type:	Elastic	
Neutral Axis:	135	°



ANCHOR ROD PARAMETERS

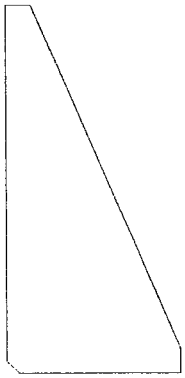
Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#22387]	Cluster	8	2.25	44	A615-75	75	100	6	-

DYWIDAG BAR PARAMETERS

Quantity	Bar Size	Bar Diameter (in)	F_y (ksi)	F_u (ksi)	Bracket Type	Bracket Offset (in)	Circle (in)	Offset (°)
4 [ID# 1864]	#20	2.5	80	100	Angle	2.19	36.88	-
4 [ID# 1865]	#20	2.5	80	100	W5x19	5.15	42.80	80

STIFFENER PARAMETERS

Arrangement:	Radial	
Quantity:	8	
Height:	15	in
Width:	7	in
Thickness:	0.75	in
Notch:	0.5	in
Grade:	A572-50	
Yield Strength:	50	ksi
Tensile Strength:	65	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.375	in
Vertical Weld Fillet Size:	0.25	in
Weld Strength:	80	ksi
Orientation Offset:	-	°



COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	30"ø x 0.25" (12 Sides)	23.0996	-	-	2556.06	-
Bolt Group	Original (8) 2.25"ø	3.9761	3.2477	0.8393	5566.40	4.5
Dywidag Group	(4) #20	4.9087	4.9087	1.9175	3345.94	-
Dywidag Group	(4) #20	4.9087	4.9087	1.9175	4503.68	-
Stiffeners	(8) 15"H x 7"W x 0.75"T	4.8750	4.3875	85.7500	6093.22	-

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	30"ø x 0.25" (12 Sides)	636.1	53.78	35.20	0.246
Bolt Group	Original (8) 2.25"ø	636.1	-	35.20	0.246
Dywidag Group	(4) #20	832.7	-	-	0.322
Dywidag Group	(4) #20	1120.8	-	-	0.433
Stiffeners	(8) 15"H x 7"W x 0.75"T	448.1	-	24.80	0.173

BASE PLATE BEND LINE ANALYSIS @ 0 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	30.12	in	Flat Width:	8.072	in
Point-to-Point Diameter:	31.19	in	Flat Radians:	0.524	rad
Orientation Offset:	-	°			

PLATE PROPERTIES

Neutral Axis: 135 °

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in^3)	Applied Moment M_u (k-in)	Moment Capacity ΦM_n (k-in)	Flexure Result $M_u/\Phi M_n$
Flats	32.100	6.52	38.622	1009.8	2085.6	48.4%
Corners	31.038	5.21	36.244	911.0	1957.2	46.5%

ELASTIC ANCHOR ROD ANALYSIS

Class	Group Quantity	Rod Diameter (in)	Applied Axial Load P_u (k)	Applied Shear Load V_u (k)	Compressive Capacity ΦP_n (k)	Compressive Result	Interaction Result
Original	8	2.25	92.9	1.1	243.6	0.382	14.6%

DYWIDAG BAR ANALYSIS

Group Quantity	Bar Size	Bar Circle (in)	Applied Axial Load P_u (k)	Compressive Capacity ΦP_n (k)	Compressive Result $P_u / \Phi P_n$
4	#20	36.88	195.5	368.2	53.1%
4	#20	42.80	262.8	368.2	71.4%

BASE PLATE STIFFENER ANALYSIS

Quantity:	8	
Height:	15	in
Width:	7	in
Effective Width:	7.000	in
Thickness:	0.75	in
Notch:	0.5	in
Grade:	A572-50	
Yield Strength:	50	ksi
Tensile Strength:	65	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.375	in
Horizontal Weld Bevel Size:		in
Vertical Weld Fillet Size:	0.25	in
Weld Strength:	80	ksi
Electrode Coefficient:	1.030	

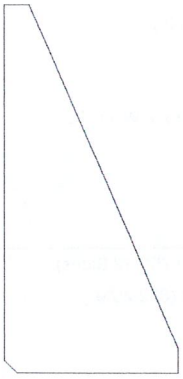


PLATE COMPRESSION

Radius of Gyration:	0.217	in^3
kl/r:	41.57	
4.71 $\sqrt{(E/F_y)}$:	113.43	
Buckling Stress, F_e:	165.64	ksi
Crit. Buckling Stress, F_{cr}:	145.26	ksi
Applied Compression, P_u:	67.35	k
Compressive Capacity, ΦP:	637.34	k
Compressive Result, $P_u/\Phi P_n$:	5.3%	✓

PLATE TENSION

Gross Cross Section:	4.8750	in^2
Net Cross Section:	4.3875	in^2
Applied Tension, T_u:	65.02	k
Tensile Capacity, ΦT_n:	213.89	k
Tension Result, Tu/ϕTn:	15.2%	✓

VERTICAL WELD TO POLE

Vertical Eccentricity Ratio, $a=e_x/l$:	0.156	
Spacing Ratio, k:	0.050	
Weld Coefficient, C:	3.670	
Applied Compression, P_u:	67.35	k
Compressive Capacity, ΦP_n:	170.10	k
Horizontal Eccentricity Ratio, $a=e_x/l$:	0.333	
Weld Coefficient, C:	2.940	
Applied Shear, V_u:	1.82	k
Shear Capacity, ΦV_n:	136.27	k
Weld Result, $P_u/\Phi P_n + V_u/\Phi V_n$:	40.9%	✓

HORIZONTAL WELD TO PLATE

Horizontal Eccentricity Ratio, $a=e_x/l$:	0.167	
Spacing Ratio, k:	0.107	
Weld Coefficient, C:	3.940	
Effective Fillet Size:	0.375	in
Applied Compression, P_u:	67.35	k
Compressive Capacity, ΦP_n:	127.83	k
Vertical Eccentricity Ratio, $a=e_x/l$:	0.357	
Weld Coefficient, C:	3.090	
Applied Shear, V_u:	1.82	k
Shear Capacity, ΦV_n:	100.26	k
Weld Result, $P_u/\Phi P_n + V_u/\Phi V_n$:	54.5%	✓

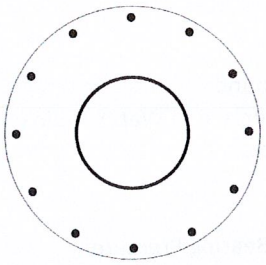
UPPER FLANGE PLATE ANALYSIS @ 100 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
30.85	5.95	8.32

PLATE PARAMETERS (ID# 21812)

Width:	28.5	in
Shape:	Round	
Thickness:	1.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Base Weld Size:	0.125	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	225	°



FLANGE BOLT PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#22388]	Radial	12	1	26	A325	92	120	-	-

COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	12.75"ø x 0.375" (Round)	14.5788	-	-	279.77	-
Bolt Group	Original (12) 1"ø	0.7854	0.6057	0.0292	556.94	8.0

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	12.75"ø x 0.375" (Round)	30.8	5.95	8.32	1.000
Bolt Group	Original (12) 1"ø	30.8	-	8.32	1.000

UPPER FLANGE PLATE BEND LINE ANALYSIS @ 100 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	12.88	in	Flat Width:	0.112	in
Point-to-Point Diameter:	12.88	in	Flat Radians:	0.017	rad
Orientation Offset:	-	°			

PLATE PROPERTIES

Neutral Axis:	225	°
Bend Line Limits:	5.889 to -1.177	rad

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in^3)	Applied Moment M_u (k-in)	Moment Capacity ΦM_n (k-in)	Flexure Result $M_u/\Phi M_n$
Flats	24.385	0.00	13.716	77.2	444.4	17.4% ✓
Corners	24.385	0.00	13.716	77.2	444.4	17.4% ✓
Circumferential	15.925	0.00	8.958	110.8	290.2	38.2% ✓

PLASTIC FLANGE BOLT ANALYSIS

Class	Group Quantity	Bolt Diameter (in)	Applied Axial Load P_u (k)	Applied Shear Load V_u (k)	Compressive Capacity ΦP_n (k)	Interaction Result
Original	12	1	4.9	1.0	54.5	11.6% ✓

Site Name:	**HRFR - South**
Site Number:	**302481**
Engineering Number:	**14090117_C3_04**
Engineer:	**RC**
Date:	**6/27/2022**

Design Base Loads (Factored) - Design per TIA-222-G Standard

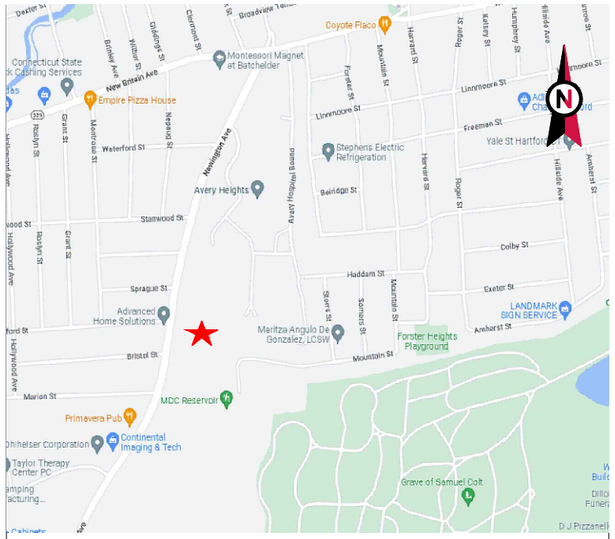
Moment (Overturning) (M_u):	2589.7	k-ft
Shear/Leg (V_u):	35.2	k
Compression/Leg (P_u):	53.8	k
Uplift/Leg (T_u):	0.0	k
Tower Type (GT / SST / MP):	MP	

Length of Block:	9.0	ft
Width of Block:	13.0	ft
Thickness of Block:	6.0	ft
Block Height Above Ground:	1.0	ft
Depth Below Ground Surface to Water Table (w):	30.0	ft
Unit Weight of Concrete:	150.0	pcf
Unit Weight of Soil:	162.2	pcf
Unit Weight of Water:	62.4	pcf
Ultimate Compressive Bearing Pressure:	15000	psf
Capacity Increase (Due to Transient Loads):	1.00	
Pullout Angle:	45.0	degrees
Rod Diameter:	1.00	in
Rod Ultimate Strength:	71	ksi
Rod Net Area:	0.85	in^2
Number of Rods:	18	
Diameter of Cored Hole:	2.50	in
Ultimate Grout / Rock Interface Bond Strength:	100	psi
Ultimate Grout / Rock Anchor Interface Bond Strength:	400	psi
Overall Rod Embedment Length:	192	in
Rod Exposure Above Lock Off Nut in Foundation:	72	in
Rod Embedment Square:	78	in
Free Stress Length:	0	in
Soil / Concrete Friction Coefficient:	0.45	
Lock Off Load:	60	k
Rock Anchor Design Plastic or Elastic:	Elastic	
Ignore Pullout Weight Resistance (Y/N):	N	

Weight of Concrete (Buoyancy Effect Considered):	105.3	k
Compressive Bearing Resistance:	954.3	k
Total Rock / Grout Bond Strength:	2714.3	k
Total Grout / Rod Bond Strength:	4342.9	k
Total Rod Mechanical Strength:	1080.0	k
Pullout Weight / Rod:	84.3	k
Rock / Grout Bond Strength / Rod:	150.8	k
Grout / Rod Bond Strength / Rod:	241.3	k
Rod Mechanical Strength / Rod:	60.0	k
Soil Strength Reduction Factor (ϕ_s):	0.75	
Factored Nominal Moment Capacity per Leg ($\phi_s M_n$):	3162.8	k
Factored Nominal Uplift Capacity per Leg ($\phi_s T_n$):	929.3	k
Factored Nominal Compressive Capacity per Leg ($\phi_s P_n$):	715.7	k
Factored Nominal Shear Capacity per Leg ($\phi_s V_n$):	486.0	k
M_u:	2800.9	k-ft
T_u:	0.0	k
P_u:	44.7	k
V_u:	35.2	k
$T_u/\phi_s T_n + M_u/\phi_s M_n$:	0.89	Result: OK
$P_u/\phi_s P_n$:	0.06	Result: OK
$V_u/\phi_s V_n$:	0.07	Result: OK

Caisson Strength Capacity

Concrete Compressive Strength (f'_c):	3000	psi
Vertical Steel Rebar Size #:	11	
Vertical Steel Rebar Area:	1.56	in^2
# of Vertical Steel Rebars:	52	Minimum # of vertical rebar met
Vertical Steel Rebar Yield Strength (F_y):	60	ksi
Horizontal Tie / Stirrup Size #:	4	
Horizontal Tie / Stirrup Area:	0.20	in^2
Horizontal Tie / Stirrup Spacing:	12.0	in
Horizontal Tie / Stirrup Steel Yield Strength (F_y):	60	ksi
Anchor Rod Nut Diameter:	2.02	in
Rebar Cage Diameter:	108.0	in
Strength Bending/Tension Reduction Factor (ϕ_B):	0.90	ACI318-05 - 9.3.2.1
Strength Shear Reduction Factor (ϕ_V):	0.75	ACI318-05 - 9.3.2.3
Strength Compression/Bearing Reduction Factor ($\phi_{P/B}$):	0.65	ACI318-05 - 9.3.2.2
Steel Elastic Modulus:	29000	ksi
Design Moment (M_u):	2800.9	k-ft
Factored Nominal Moment Capacity ($\phi_B M_n$):	19276.7	k-ft - ACI318-05 - 10.2
$M_u/\phi_B M_n$:	0.15	Result: OK
Design Shear (V_u):	323.2	k
Factored Nominal Shear Capacity ($\phi_V V_n$):	603.4	k - ACI318-05 - 11.3.1.1 or 11.5.7.2
$V_u/\phi_V V_n$:	0.54	Result: OK
Design Tension (T_u):	0.0	k
Factored Nominal Tension Capacity ($\phi_T T_n$):	4380.5	k - ACI318-05 - 10.2
$T_u/\phi_T T_n$:	0.00	Result: OK
Design Compression (P_u):	53.8	k
Factored Nominal Compression Capacity ($\phi_P P_n$):	14164.4	k - ACI318-05 - 10.3.6.2
$P_u/\phi_P P_n$:	0.00	Result: OK



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: HRFR - SOUTH
ATC SITE NUMBER: 302481
AT&T PACE NUMBERS: MRCTB057681, MRCTB052616, MRCTB050781, MRCTB051290, MRCTB050784
AT&T SITE ID: CTL01011
AT&T FA CODE:10034968
AT&T SITE NAME: HARTFORD SOUTH
SITE ADDRESS: 289 MOUNTAIN STREET
HARTFORD, CT 06106-4121

LOCATION MAP

AT&T 5G NR / 5G NR 1SR CBAND / BBU RECONFIGURATION / 5G NR UPGRADE / 4TXRX ANTENNA RETROFIT AMENDMENT PLAN

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

UTILITY COMPANIES

POWER COMPANY: UTILITY COMPANY DIRECT
PHONE: UNKNOWN

TELEPHONE COMPANY: UNKNOWN
PHONE: UNKNOWN

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

PROJECT SUMMARY

SITE ADDRESS:

289 MOUNTAIN STREET
HARTFORD, CT 06106-4121
COUNTY: HARTFORD

GEOGRAPHIC COORDINATES:

LATITUDE: 41.72659153
LONGITUDE: -72.70818991
GROUND ELEVATION: 286' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

AT&T MOBILITY

ENGINEER:

HUDSON DESIGN GROUP, LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845

PROPERTY OWNER:

THE METROPOLITAN DISTRICT
289 MOUNTAIN STREET
HARTFORD, CT 06106-4121

PROJECT DESCRIPTION

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

TOWER WORK:

REMOVE (12) ANTENNA(S), (12) RRH(S), (6) TMA(s) AND (1) SQUID

INSTALL MOUNT MODIFICATION(S), (12) ANTENNA(S), (6) RRH(S), (1) SQUID(S), (1) 0.92" DC TRUNK(s), (3) Y CABLES AND (1) 0.405" FIBER TRUNK(S)

EXISTING (9) RRH(S), (2) SQUID(S), (6) 0.82" DC TRUNK(s), (12) 1-5/8" COAX CABLE(s) AND (2) 0.405" FIBER TRUNK(S) TO REMAIN

GROUND WORK:

REMOVE (6)782-10250 DIPLEXER(s), (6) TPX-070821 TRIPLEXER(s), (6) DBCT108F1V92-1 DIPLEXER(s), (6) RRUW

INSTALL (1) 6648 WITH XCEDE CABLE, FINAL= (1) 5216(2) XMU +1 X(1) 6630+IDLE

EXISTING (3) RRUS-E2 B29 TO REMAIN

PROJECT NOTES

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

PROJECT LOCATION DIRECTIONS

FROM HARTFORD TAKE MAPLE AVENUE SOUTH TO WHITE STREET. TURN RIGHT ONTO WHITE STREET AND FOLLOW TO MOUNTAIN ROAD AND TURN LEFT. FOLLOW MOUNTAIN ROAD TO THE END WHERE THE ACCESS GATE WILL BE FOR THE ACCESS ROAD (METROPOLITAN DISTRICT COMMISSION SIGN ON GATE)

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	06/20/22	PS
G-002	GENERAL NOTES	0	06/20/22	PS
C-101	DETAILED SITE PLAN	0	06/20/22	PS
C-201	TOWER ELEVATION	0	06/20/22	PS
E-501	GROUNDING DETAILS	0	06/20/22	PS
R-601	SUPPLEMENTAL	0		
R-602	SUPPLEMENTAL	0		
R-603	SUPPLEMENTAL	0		
R-604	MOUNT MODIFICATIONS	0		

AT&T RAN SCOPING NOTES:

(0) DC UPCONVERTERS REQUIRED

AMERICAN TOWER®

HUDSON Design Group LLC
45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PS	04/19/22
0	FINALS	BB	06/20/22

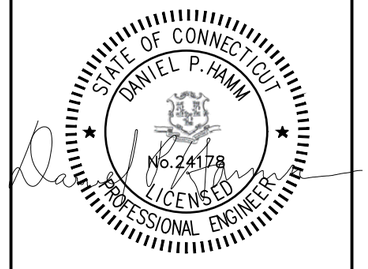
ATC SITE NUMBER:
302481

ATC SITE NAME:
HRFR - SOUTH

AT&T SITE NAME:
HARTFORD SOUTH

SITE ADDRESS:
289 MOUNTAIN STREET
HARTFORD, CT 06106-4121

SEAL:



AT&T

DATE DRAWN:	04/19/22
ATC JOB NO:	14090117_G5
CUSTOMER ID:	CTL01011
CUSTOMER #:	10034968

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

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

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
2. STRUCTURAL STEEL ROLLED SHAPES, PLATES AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
   - A. ASTM A-572, GRADE 50 - ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE
   - B. ASTM A-36 - ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
   - C. ASTM A-500, GRADE B - HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)
   - D. ASTM A-325, TYPE SC OR N - ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS
   - E. ASTM F-1554 07 - ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
3. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
4. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.
5. DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
6. CONNECTIONS:
   - A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
   - B. ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
   - C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
   - D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
   - E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
   - F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
   - G. PRIOR TO FIELD WELDING GALVANIZING MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING ½" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
   - H. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE COMPLETE.
   - I. ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER, AND T- MOBILE PROJECT MANAGER IN WRITING

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

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

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

AMERICAN TOWER®

HUDSON Design Group LLC
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TEL: (978) 557-5553
FAX: (978) 336-5586

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PS	04/19/22
0	FINALS	BB	06/20/22

ATC SITE NUMBER:
302481

ATC SITE NAME:
HRFR - SOUTH

AT&T SITE NAME:
HARTFORD SOUTH

SITE ADDRESS:
289 MOUNTAIN STREET
HARTFORD, CT 06106-4121

SEAL:

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED
PROFESSIONAL ENGINEER

AT&T

DATE DRAWN:	04/19/22
ATC JOB NO:	14090117_G5
CUSTOMER ID:	CTL01011
CUSTOMER #:	10034968

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

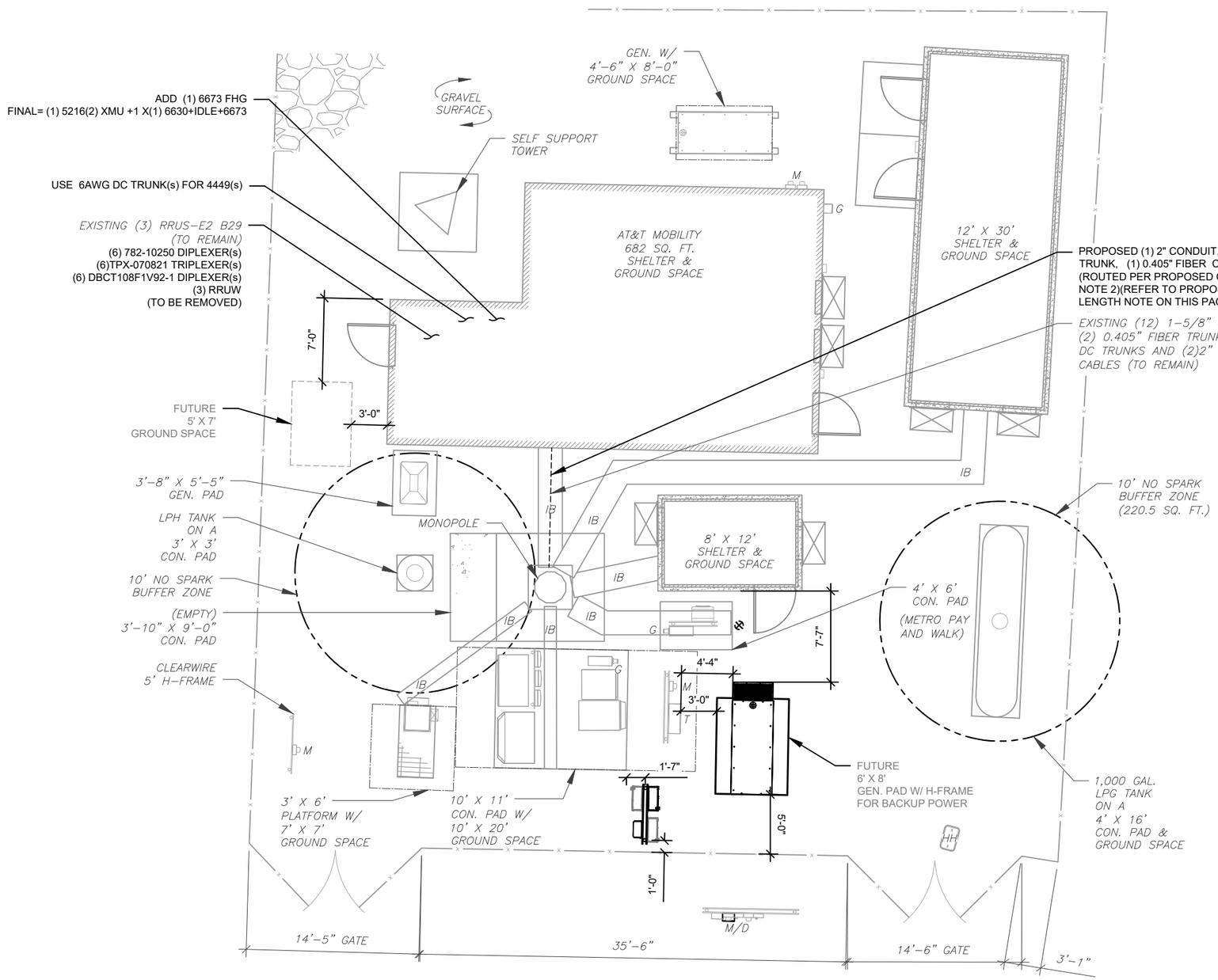
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

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. NO ELECTRICAL SCOPE IS INCLUDED IN 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 x	CHAINLINK FENCE



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **175' +/-**. 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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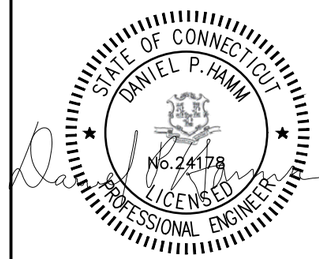
HRFR - SOUTH

AT&T SITE NAME:
HARTFORD SOUTH

SITE ADDRESS:
289 MOUNTAIN STREET
HARTFORD, CT 06106-4121

SEAL:



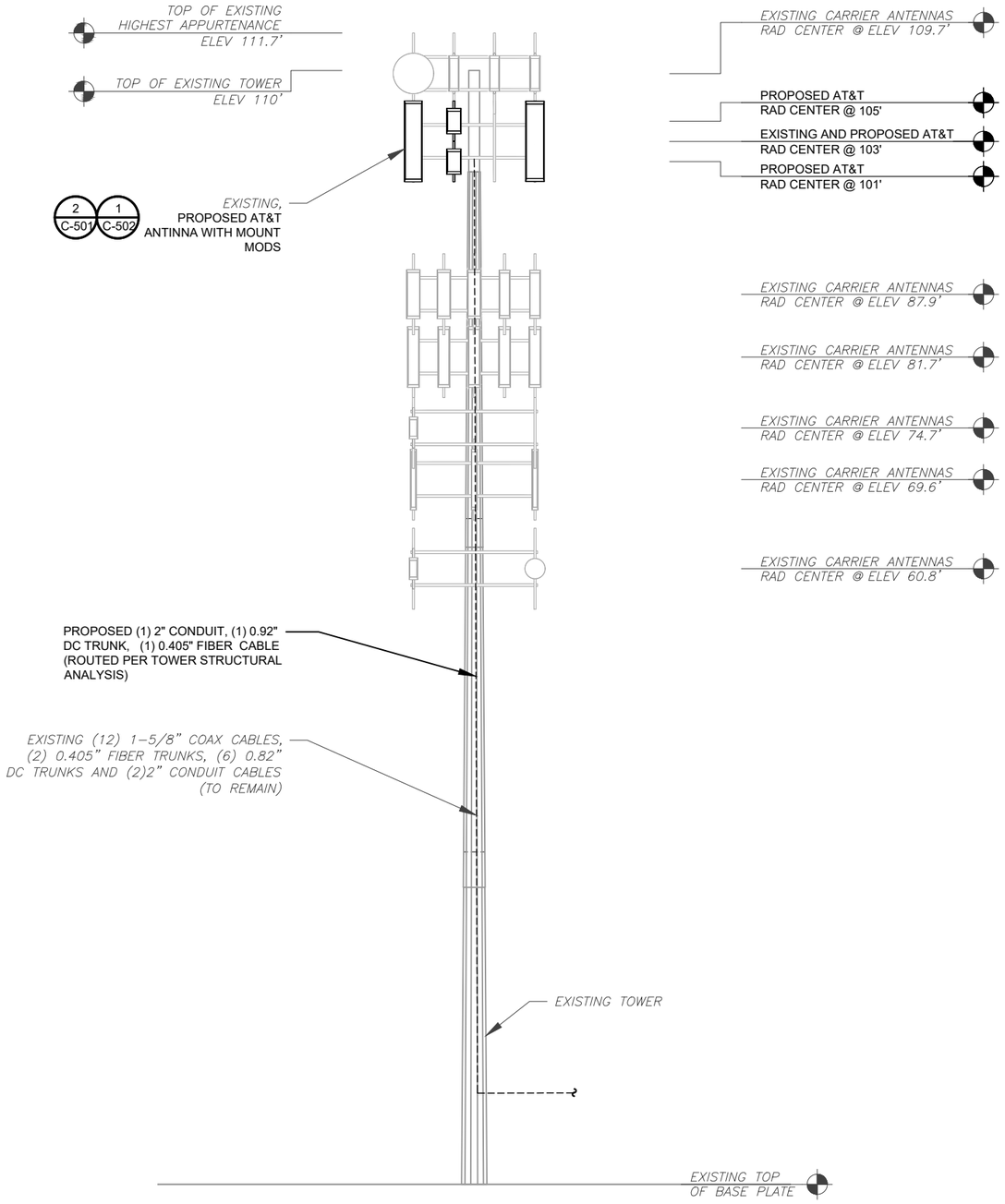
AT&T

DATE DRAWN:	04/19/22
ATC JOB NO:	14090117_G5
CUSTOMER ID:	CTL01011
CUSTOMER #:	10034968

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

PER MOUNT ANALYSIS COMPLETED BY POD, DATED 04/05/22, 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.



1 TOWER ELEVATION
SCALE: N.T.S.

TOWER NOTE:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. 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.)
5. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

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0	FINALS	BB	06/20/22

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ATC SITE NAME:
HRFR - SOUTH

AT&T SITE NAME:
HARTFORD SOUTH

SITE ADDRESS:
289 MOUNTAIN STREET
HARTFORD, CT 06106-4121

SEAL:

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

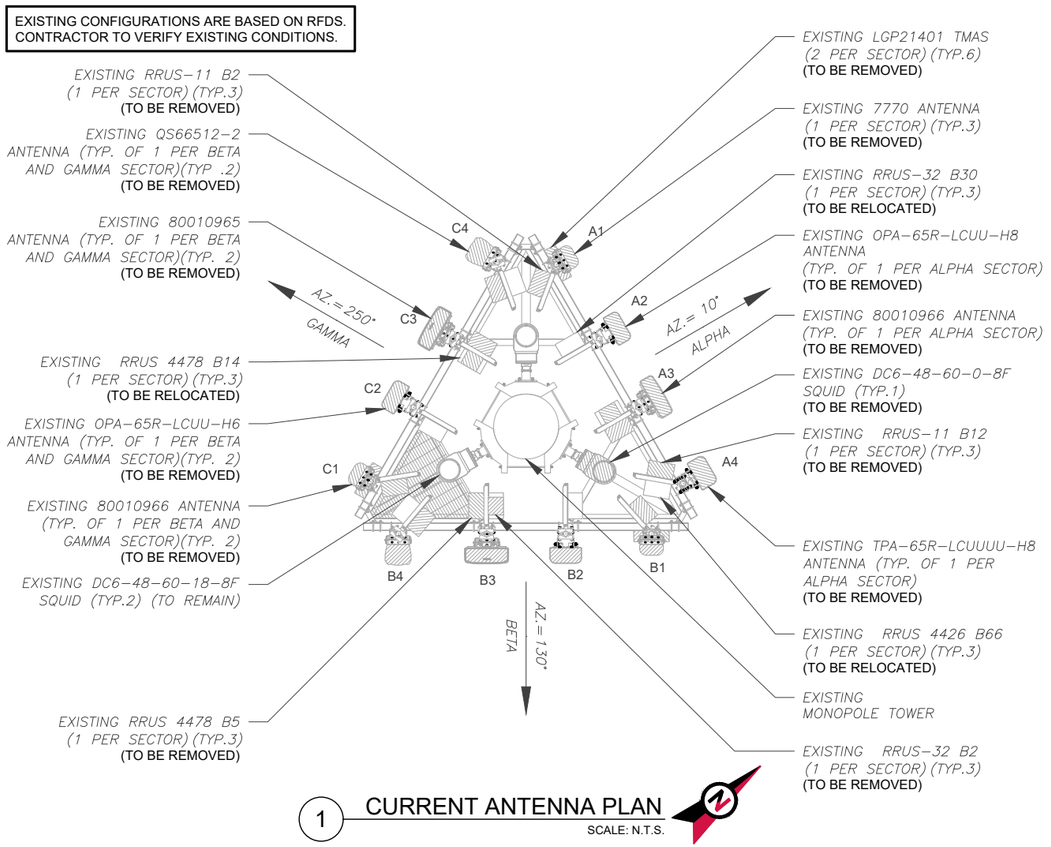
AT&T

DATE DRAWN:	04/19/22
ATC JOB NO:	14090117_G5
CUSTOMER ID:	CTL01011
CUSTOMER #:	10034968

TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0

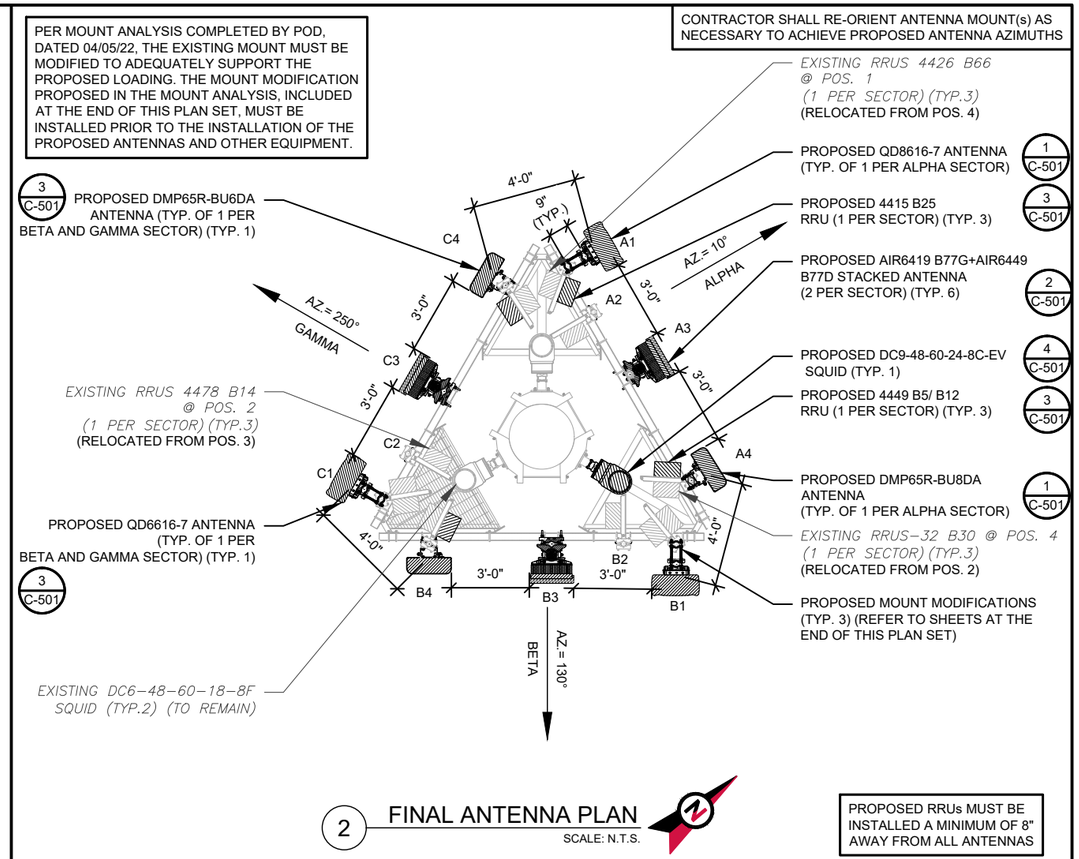
EXISTING CONFIGURATIONS ARE BASED ON RFDS.
CONTRACTOR TO VERIFY EXISTING CONDITIONS.



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

PER MOUNT ANALYSIS COMPLETED BY POD, DATED 04/05/22, 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.

CONTRACTOR SHALL RE-ORIENT ANTENNA MOUNT(s) AS NECESSARY TO ACHIEVE PROPOSED ANTENNA AZIMUTHS



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

PROPOSED RRUs MUST BE INSTALLED A MINIMUM OF 8" AWAY FROM ALL ANTENNAS

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	103'	10°	A1	7770	1900	RMV	RRUS–11 B2 TMA LGP21401	RMV RMV
			A2	OPA–65R–LCUU–H8	700,WCS	RMV	TPX–070821 RRUS–32 B30	RMV REL
			A3	80010966	700,850,1900	RMV	RRUS 4478 B14 RRUS 4478 B5 RRUS–32 B2	REL RMV RMV
			A4	TPA–65R–LCUUUU–H8	700,AWS	RMV	RRUS–11 B12 RRUS 4426 B66	RMV REL
BETA	103'	130°	B1	7770	1900	RMV	RRUS–11 B2 TMA LGP21401	RMV RMV
			B2	OPA–65R–LCUU–H6	700,WCS	RMV	RRUS–32 B30	REL
			B3	80010965	700,850,1900	RMV	RRUS 4478 B14 RRUS 4478 B5 RRUS–32 B2	REL RMV RMV
			B4	QS66512–2	700,AWS	RMV	RRUS–11 B12 RRUS 4426 B66	RMV REL
GAMMA	103'	250°	C1	7770	1900	RMV	RRUS–11 B2 TMA LGP21401	RMV RMV
			C2	OPA–65R–LCUU–H6	700,WCS	RMV	RRUS–32 B30	REL
			C3	80010965	700,850,1900	RMV	RRUS 4478 B14 RRUS 4478 B5 RRUS–32 B2	REL RMV RMV
			C4	QS66512–2	700,AWS	RMV	RRUS–11 B12 RRUS 4426 B66	RMV REL

NOTES

1. CONFIRM WITH AT&T 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.
3. THE ANTENNA ORIENTATION PLAN IS A SCHEMATIC. ATC DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO, ANTENNA AZIMUTHS, MOUNT CONFIGURATIONS AND TOWER ORIENTATION. SCALES SHOWN ARE FOR REFERENCE ONLY AND EXISTING DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION AND NOTIFY ATC OF ANY DISCREPANCIES.
4. CONTRACTOR TO ENSURE PROPER SEPARATION IN ACCORDANCE WITH AT&T'S FIRSTNET REQUIREMENTS (SEE SHEET R-602)

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	103'	10°	A1	QD8616-7	LTE 700(DE) / 700(B14) / PCS /AWS	ADD	RRUS 4415 B25 RRUS 4426 B66	ADD REL
	103'		A2	-	-	EMPTY	RRUS 4478 B14	REL
	105' 101'		A3 UP A3 DN	AIR6419 B77G AIR6449 B77D	DoD + C BAND	ADD	-	-
	103'		A4	DMP65R-BU8DA	LTE 700(BC) / WCS / 5G 850	ADD	RRUS 4449 B5/B12 RRUS–32 B30	ADD REL
BETA	103'	130°	B1	QD6616-7	LTE 700(DE) / 700(B14) / PCS /AWS	ADD	RRUS 4415 B25 RRUS 4426 B66	ADD REL
	103'		B2	-	-	EMPTY	RRUS 4478 B14	REL
	105' 101'		B3 UP B3 DN	AIR6419 B77G AIR6449 B77D	DoD + C BAND	ADD	-	-
	103'		B4	DMP65R-BU6DA	LTE 700(BC) / WCS / 5G 850	ADD	RRUS 4449 B5/B12 RRUS–32 B30	ADD REL
GAMMA	103'	250°	C1	QD6616-7	LTE 700(DE) / 700(B14) / PCS /AWS	ADD	RRUS 4415 B25 RRUS 4426 B66	ADD REL
	103'		C2	-	-	EMPTY	RRUS 4478 B14	REL
	105' 101'		C3 UP C3 DN	AIR6419 B77G AIR6449 B77D	DoD + C BAND	ADD	-	-
	103'		C4	DMP65R-BU6DA	LTE 700(BC) / WCS / 5G 850	ADD	RRUS 4449 B5/B12 RRUS–32 B30	ADD REL

EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY				
MODEL NUMBER	STATUS	COAX	CONDUIT	DC	FIBER	STATUS
DC6–48–60–18–8F	RMN	(12) 1–5/8"	(2) 2"	(6) 0.82"	(2) 0.405"	RMN
DC6–48–60–0–8F	RMV	–		–	–	–

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 FIBER DISTRIBUTION/SQUID		FINAL CABLING SUMMARY				
MODEL NUMBER	STATUS	COAX	CONDUIT	DC	FIBER	STATUS
DC6–48–60–18–8F	RMN	(12) 1–5/8"	(2) 2"	(6) 0.82"	(2) 0.405"	RMN
DC9-48-60-24-8C-EV	ADD	-	(1) 2"	(1) 0.92"	(1) 0.405"	ADD

3 EQUIPMENT SCHEDULES

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.

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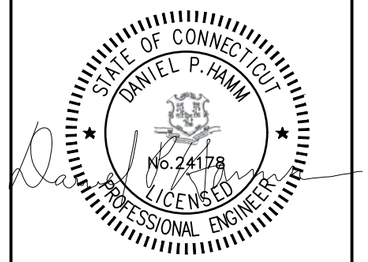
HARTFORD, CT 06106-4121

SEAL:

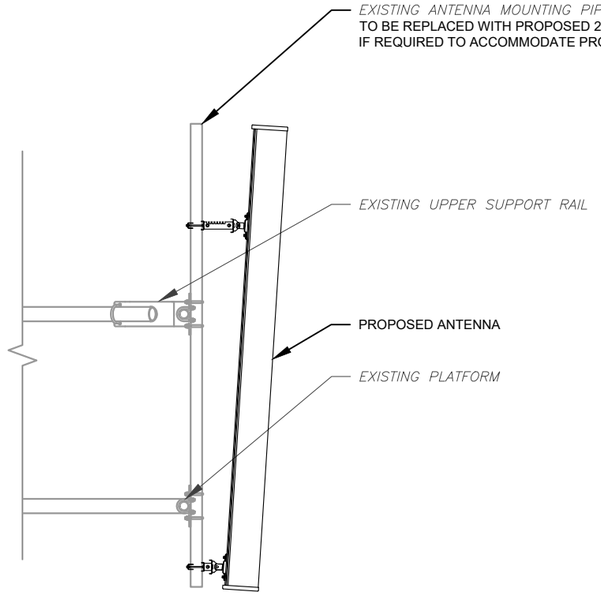


AT&T

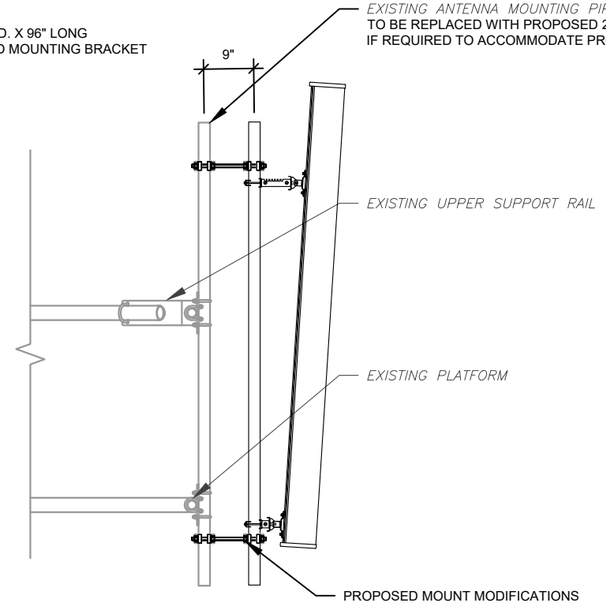
DATE DRAWN:	04/19/22
ATC JOB NO:	14090117_G5
CUSTOMER ID:	CTL01011
CUSTOMER #:	10034968

RF SCHEDULE AND ANTENNA INSTALLATION

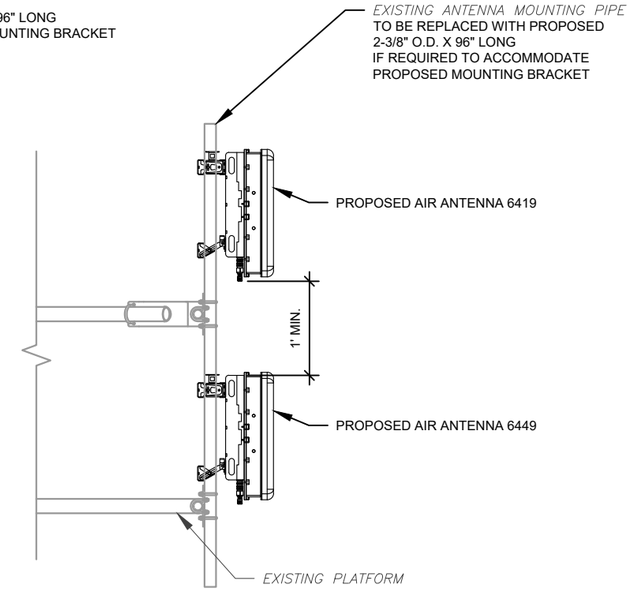
SHEET NUMBER:	REVISION:
C-401	0



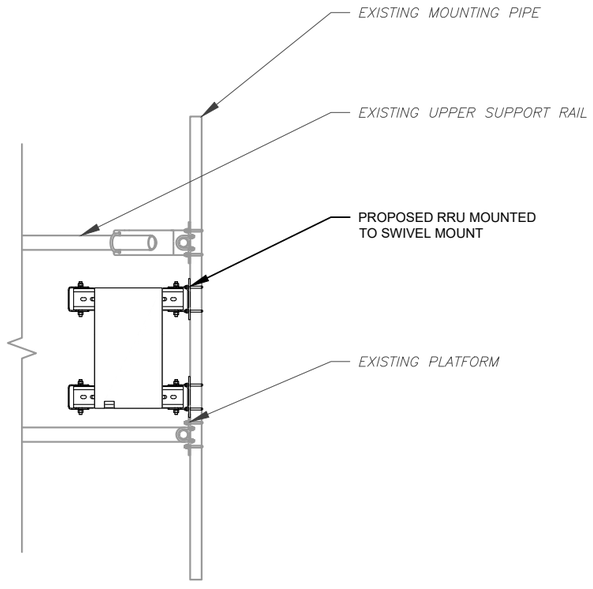
1 ANTENNA DETAIL
SCALE: N.T.S.



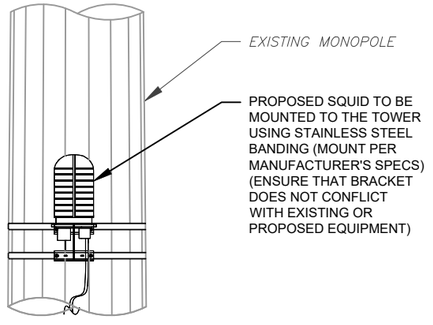
1 A ANTENNA DETAIL
SCALE: N.T.S.



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



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



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

AMERICAN TOWER®

HUDSON Design Group LLC

45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PS	04/19/22
0	FINALS	BB	06/20/22

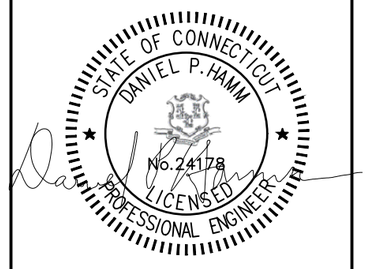
ATC SITE NUMBER:
302481

ATC SITE NAME:
HRFR - SOUTH

AT&T SITE NAME:
HARTFORD SOUTH

SITE ADDRESS:
289 MOUNTAIN STREET
HARTFORD, CT 06106-4121

SEAL:

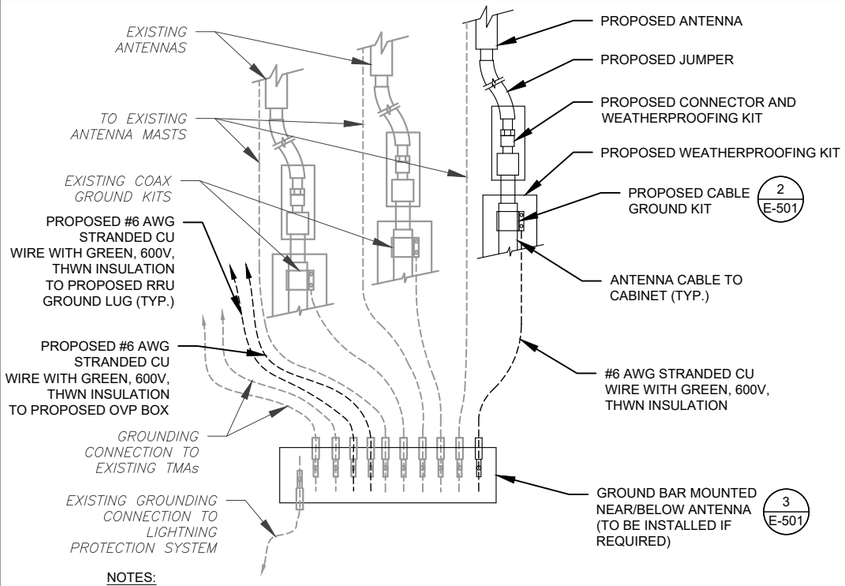


AT&T

DATE DRAWN:	04/19/22
ATC JOB NO:	14090117_G5
CUSTOMER ID:	CTL01011
CUSTOMER #:	10034968

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

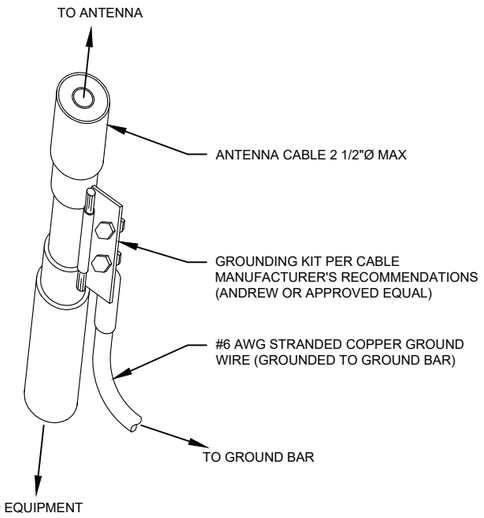


NOTES:

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 AT&T GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T 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.

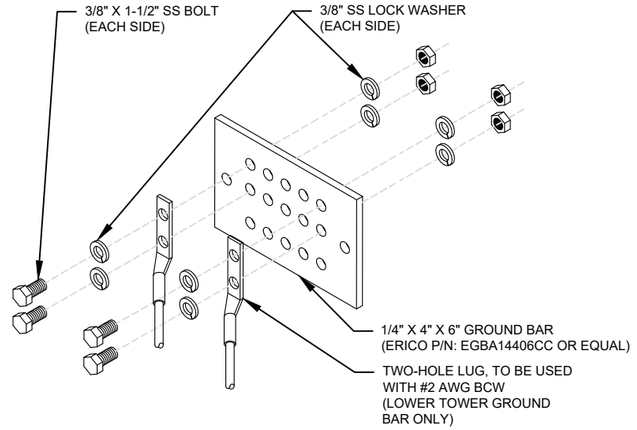


GROUND KIT NOTES:

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.

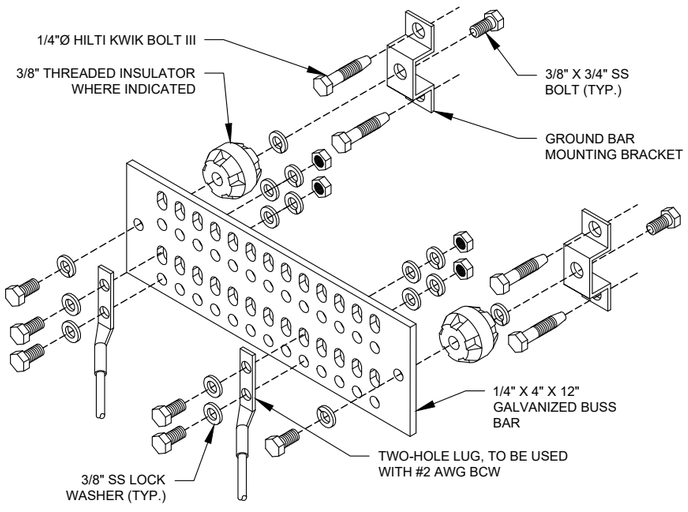


GROUND BAR NOTES:

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.

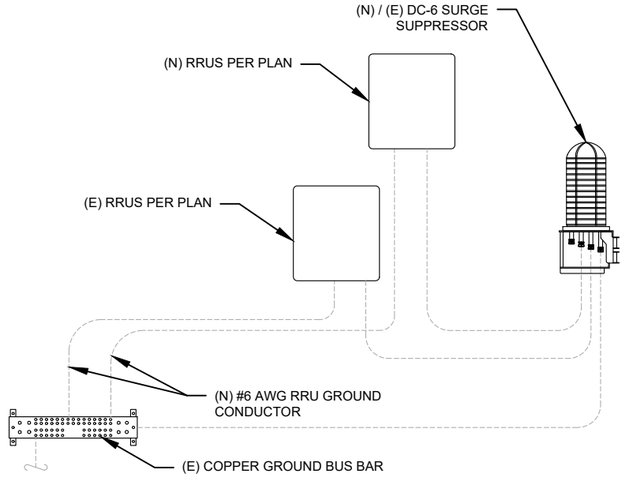


GROUND BAR NOTES

1. GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

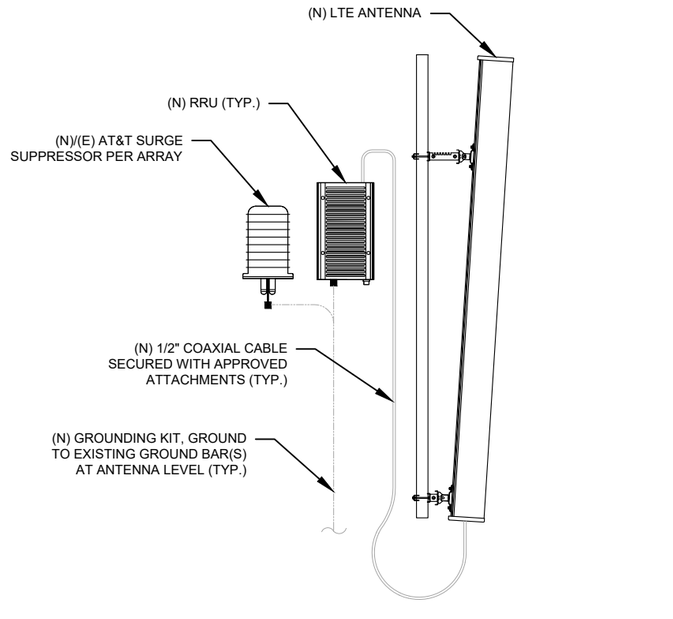
4 MAIN GROUND BAR DETAIL

SCALE: N.T.S.



5 RRU GROUNDING

SCALE: N.T.S.



6 ANTENNA/RRU GROUNDING

SCALE: N.T.S.

AMERICAN TOWER®

HUDSON Design Group LLC

45 BEECHWOOD DRIVE
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REV.	DESCRIPTION	BY	DATE
A	PRELIM	PS	04/19/22
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ATC SITE NUMBER:
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289 MOUNTAIN STREET
HARTFORD, CT 06106-4121

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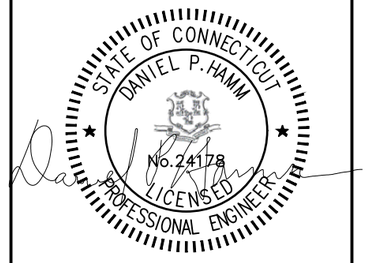
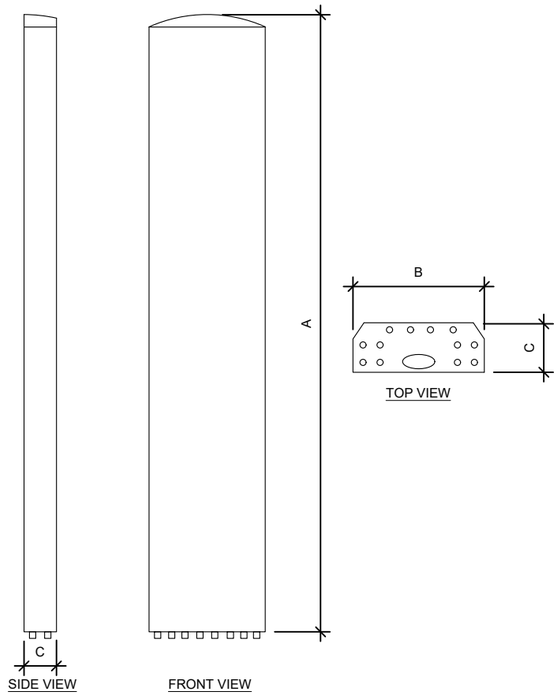


AT&T

DATE DRAWN:	04/19/22
ATC JOB NO:	14090117_G5
CUSTOMER ID:	CTL01011
CUSTOMER #:	10034968

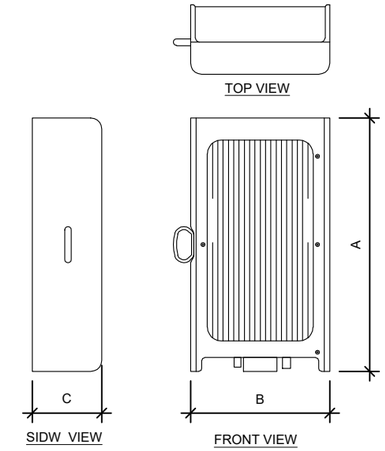
GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0



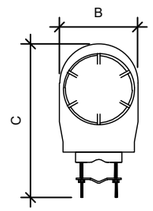
SIDE VIEW FRONT VIEW TOP VIEW

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
AIR6449 B77D	30.4"	15.9"	8.1"	81.6
AIR649 B77G	28.3"	16.1"	7.9"	66.1
QD8616-7	96.0"	22.0"	9.6"	150.0
DMP65R-BU6DA	71.2"	20.7"	7.7"	79.4
QD6616-7	72.0"	22.0"	9.6"	130.0
DMP65R-BU8DA	96.0"	22.7"	7.7"	119.0

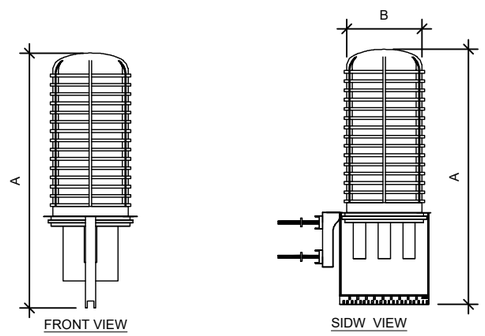


SIDW VIEW FRONT VIEW

RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
4415 B25	16.5"	13.4"	5.9"	46.0
4449 B5, B12	17.9"	13.2"	9.4"	71.0



PLAN VIEW



FRONT VIEW SIDW VIEW

RAYCAP SPECIFICATIONS				
RAYCAP MODEL	A	B	C	WEIGHT (LBS)
DC9-48-60-24-8C-EV	31.4"	18.3"	10.2"	16.0

1 EQUIPMENT SPECIFICATIONS

SCALE: N.T.S.

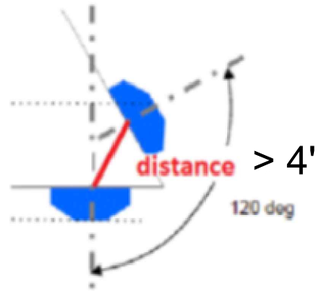
SUPPLEMENTAL

SHEET NUMBER: R-601

REVISION: 0

RF REQUIREMENTS FOR 700 B14 FIRSTNET, 700 B12, 700D B29 ANTENNA SEPARATION

- ❑ Horizontal separation (side to side of antenna): >= 3’
- ❑ Vertical separation (between the tips of the antennas): > 3’
- ❑ Inter-sector separation: > 4' between the center of the antenna backplanes.



- ❑ Please note additional horizontal separation may be required if B14 antennas azimuth are different from others or antennas are severely angled with respect to the mount.
- ❑ Typical 3' horizontal separation can tolerate skew angle up to 6°.

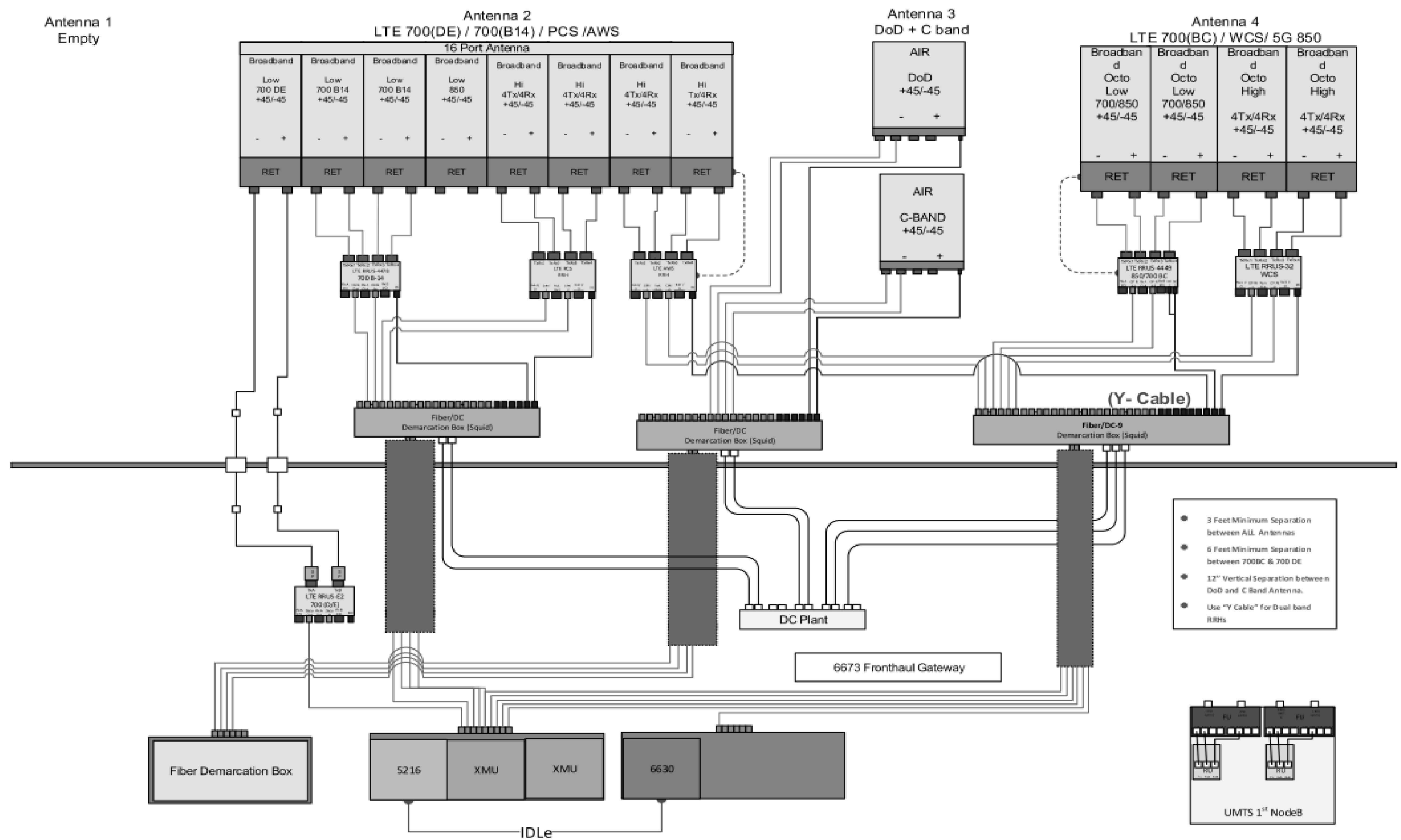
NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER: R-602

REVISION: 0

Diagram - Sector	A	Diagram File Name - C_Band_DoD_700DE(Bottom)_RRUS-32_2xDCFiber_1xDC-9_5216+1xXMU.vsd					
Atoll Site Name -	CTL01011	Location Name -	HARTFORD SOUTH	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND
Comments: Important Note: For detailed radio to antenna wiring refer to the latest 4T4R Antenna/ radio Port connections Field Notice (RF-HW-2016-265)							



Antenna 1
Empty
Antenna 2
LTE 700(DE) / 700(B14) / PCS /AWS
16 Port Antenna
Broadband
Low 700 DE +45/-45
Low 700 B14 +45/-45
Low 850 +45/-45
Hi 4Tx/4Rx +45/-45
RET
Antenna 3
DoD + C band
AIR
DoD +45/-45
C-BAND +45/-45
Antenna 4
LTE 700(BC) / WCS/ 5G 850
Broadband Octo Low 700/850 +45/-45
Broadband Octo High 4Tx/4Rx +45/-45
(Y- Cable)
Fiber/DC Demarcation Box (Squid)
Fiber/DC-9 Demarcation Box (Squid)
DC Plant
6673 Fronthaul Gateway
3 Feet Minimum Separation between ALL Antennas
6 Feet Minimum Separation between 700BC & 700 DE
12" Vertical Separation between DoD and C Band Antenna.
Use "Y Cable" for Dual band RRHs
Fiber Demarcation Box
5216
XMU
XMU
6630
IDLe
UMTS 1st NodeB

1 RFDS PLUMBING DIAGRAM

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

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-603	0

AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by

POD
POWER OF DESIGN

Antenna Mount Analysis Report

ATC Site Name	:	**Hrfr - South**
ATC Site Number	:	**302481**
Engineering Number	:	**14090117_C8_01**
Mount Elevation	:	**102.0 ft**
Carrier	:	**AT&T MOBILITY**
Carrier Site Name	:	**MRCTB051290**
Carrier Site Number	:	**CTCN001011**
Site Location	:	**289 Mountain Street** **Hartford, CT 06106** **41.72659153, -72.70818991**
County	:	**Hartford**
Date	:	**April 5, 2022**
Max Usage	:	**89 %**
Result	:	**Contingent Pass**

Prepared By: Matthew Maloney
Jason Cheronis
Vice President of Structural Engineering

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032793
LICENSED
PROFESSIONAL ENGINEER

4/5/22

POD GROUP - 1033 E. Turkeyfoot Lake Road, Suite 206 - Akron, OH 44312 - 330-961-7432 - www.podgrp.com

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for AT&T MOBILITY at 102.0 ft.

Supporting Documents

Spec. Sheet	Spec Sheet for SitePro1 Part #: DCP18K
Structural Analysis	ATC Engineering #: 13726719_C3_03 dated: October 5, 2021
RFDS	RFDS dated March 25, 2022
Photos	Site photos from 2021
Site Specific Study	ICE Wind Study for Site 302481, Dated May 22, 2020

Analysis

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

Basic Wind Speed:	118 mph, Vult (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1.5" Radial Ice (Escalating)
Codes:	TIA-222-H
Structure Class:	B
Exposure Category:	II
Topographic Factor Procedure:	Method 3
Topographic Feature:	Flat Top Hill
Crest Height:	148 ft
Spectral Response:	$S_s = 0.192$, $S_1 = 0.055$
Site Class:	D (assumed)
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:

- Install additional 8'-0" P2 STD mount pipe (1 per sector, total of 3) offset 9 inches in position 1 using SitePro1 DCP18K (Non-CONMAT).

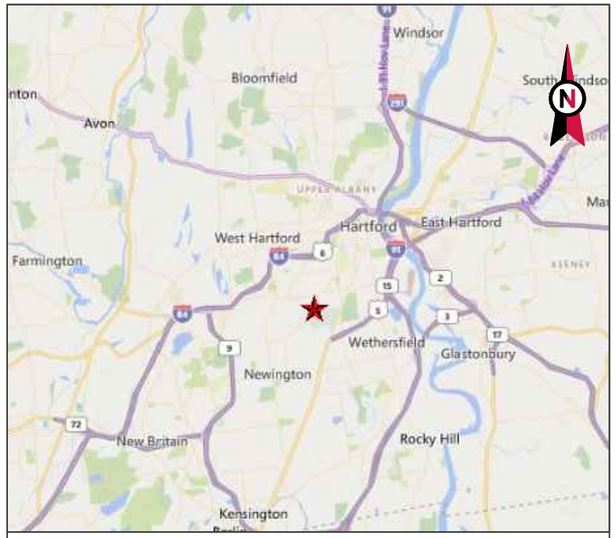
If you have any questions or require additional information, please contact POD Group via email at ngilkerson@podgrp.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

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-604	0



VICINITY MAP

AMERICAN TOWER®

SITE NAME: HRFR - SOUTH
SITE NUMBER: 302481
ATC PROJECT NUMBER: 14090117_C6_06
SITE ADDRESS: 289 MOUNTAIN STREET
HARTFORD, CT 06106

LOCATION MAP

110 FT MONOPOLE MODIFICATIONS

PROJECT TEAM

TOWER OWNER

AMERICAN TOWER
10 PRESIDENTAL WAY
WOBURN, MA 01801

ENGINEERED BY

ATC TOWER SERVICES
3500 REGENCY PARKWAY, SUITE 100
CARY, NC 27518

CARRIER INFORMATION

CARRIER: AT&T MOBILITY
CARRIER SITE NAME: MRCTB051290
CARRIER SITE NUMBER: CTCN001011

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

PROJECT DESCRIPTION

THE PROJECT DEPICTED IN THESE PLANS ARE BASED ON THE RECOMMENDATIONS OUTLINED IN THE STRUCTURAL ANALYSIS COMPLETED UNDER ENGINEERING PROJECT NUMBER 14090117_C3_04 DATED 06/27/22. SATISFACTORY COMPLETION OF THE WORK INDICATED IN THESE PLANS WILL RESULT IN THE STRUCTURE MEETING THE REQUIREMENTS OF THE SPECIFICATIONS UNDER WHICH THE STRUCTURAL WAS COMPLETED.

PROJECT NOTE

THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.6100 (B)(7).

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. ANSI/TIA/EIA: STRUCTURAL STANDARDS (222-H EDITION)
2. INTERNATIONAL BUILDING CODE (2015 IBC)
3. CONNECTICUT STATE BUILDING CODE (2018)

PROJECT LOCATION

GEOGRAPHIC COORDINATES

LATITUDE: 41.72659153

LONGITUDE: -72.70818991

SHEET	SHEET TITLE	REV.
G-002	IBC GENERAL NOTES	0
G-003	SPECIAL INSPECTION CHECKLIST	0
G-004	BILL OF MATERIALS	0
C-101	DETAILED SITE PLAN	0
S-201	MODIFICATION PROFILE	0
S-501	FOUNDATION DETAILS	0
S-502	REINFORCEMENT INSTALLATION DETAILS	0
S-503	REINFORCEMENT INSTALLATION DETAILS (CONT'D)	0
S-504	#20 STEP BOLT BRACKET INSTALLATION DETAILS	0

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: PEC.0001553

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	NYG	10/07/22

ATC SITE NUMBER:
302481

ATC SITE NAME:
HRFR - SOUTH
CONNECTICUT

SITE ADDRESS:
289 MOUNTAIN STREET
HARTFORD, CT 06106

DRAWN BY:	NYG
APPROVED BY:	THP
DATE DRAWN:	10/07/22
ATC JOB NO:	14090117_C6_06

COVER

SHEET NUMBER:	REVISION:
G-001	0

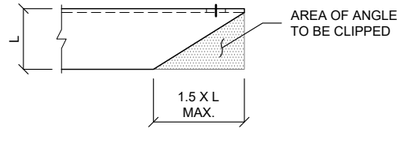
GENERAL

1. ALL WORK TO BE COMPLETED PER APPLICABLE LOCAL, STATE, FEDERAL CODES AND ORDINANCES AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS FOR WIRELESS TOWER SITES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND ABIDING BY ALL REQUIRED PERMITS.
2. ALL WORK INDICATED ON THESE DRAWINGS SHALL BE PERFORMED BY QUALIFIED CONTRACTORS EXPERIENCED IN TOWER AND FOUNDATION CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY INSTALLATION INTERFERENCES. ALL NEW WORK SHALL ACCOMMODATE EXISTING CONDITIONS. DETAILS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL FOLLOW SIMILAR DETAILS FOR THIS JOB.
4. ANY SUBSTITUTIONS SHALL CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS, AND SHOULD BE SIMILAR TO THOSE SHOWN. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
5. ANY MANUFACTURED DESIGN ELEMENTS SHALL CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS AND SHOULD BE SIMILAR TO THOSE SHOWN. THESE DESIGN ELEMENTS MUST BE STAMPED BY AN ENGINEER PROFESSIONALLY REGISTERED IN THE STATE OF THE PROJECT, AND SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION.
6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL CODES AND OSHA SAFETY REGULATIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND EXECUTION OF ALL MISCELLANEOUS SHORING, BRACING, TEMPORARY SUPPORTS, ETC. NECESSARY, PER ANSI/TIA-322 AND ANSI/ASSE A10.48, TO PROVIDE A COMPLETE AND STABLE STRUCTURE AS SHOWN ON THESE DRAWINGS.
8. CONTRACTOR'S PROPOSED INSTALLATION SHALL NOT INTERFERE, NOR DENY ACCESS TO, ANY EXISTING OPERATIONAL AND SAFETY EQUIPMENT.

STRUCTURAL STEEL

1. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
2. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
3. ALL U-BOLTS SHALL BE ASTM A36 OR EQUIVALENT, WITH LOCKING DEVICE, UNLESS NOTED OTHERWISE.
4. FIELD CUT EDGES, EXCEPT DRILLED HOLES, SHALL BE GROUND SMOOTH.
5. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES & GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
6. ALL STRUCTURAL STEEL EMBEDDED IN THE CONCRETE SHALL BE APPLIED WITH (2) BRUSHED COATS OF POLYGUARD CA-9 MASTIC OR EQUIVALENT. REFER TO THE MANUFACTURER SPECIFICATIONS FOR SURFACE PREPARATION AND APPLICATION. APPLICATION OF POLYGUARD 400 WRAP IS NOT ESSENTIAL.
7. CONTRACTOR SHALL PERFORM WORK ON ONLY ONE (1) TOWER FACE AND REPLACE/REINFORCE ONE (1) BOLT/MEMBER AT A TIME.
8. ALL FIELD DRILLED HOLES TO BE USED FOR FIELD BOLTING INSTALLATION SHALL BE STANDARD HOLES, AS DEFINED BY AISC, UNLESS NOTED OTHERWISE.

MAXIMUM ALLOWABLE ANGLE CLIP



PAINT

1. AS REQUIRED, CLEAN AND PAINT PROPOSED STEEL ACCORDING TO FAA ADVISORY CIRCULAR AC 70/7460-1L.

WELDING

1. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
2. ALL WELDS SHALL BE INSPECTED VISUALLY. IF DIRECTED BY ENGINEER OF RECORD, 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE (100% IF REJECTABLE DEFECTS ARE FOUND) TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
3. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
4. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER AND/OR BASE METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
5. IN CASES WHERE BASE METAL GRADE IS UNKNOWN, ALL WELDING ON LATTICE TOWERS SHALL BE DONE WITH E70XX ELECTRODES; ALL WELDING ON POLE STRUCTURES SHALL BE DONE WITH E80XX ELECTRODES, UNLESS NOTED OTHERWISE.
6. PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/2" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.

BOLT TIGHTENING PROCEDURE

1. STRUCTURAL CONNECTIONS TO BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC SPECIFICATIONS.
2. FLANGE BOLTS SHALL BE INSTALLED AND TIGHTENED USING DIRECT TENSION INDICATING (DTI) SQUIRTER WASHERS. DTI SQUIRTER WASHERS ARE TO BE INSTALLED AND ORIENTED / TIGHTENED PER MANUFACTURER SPECIFICATIONS TO ACHIEVE DESIRED LEVEL OF BOLT PRE-TENSION.
3. IN LIEU OF USING DTI SQUIRTER WASHERS, FLANGE BOLTS MAY BE TIGHTENED USING AISC / RCSC "TURN-OF-THE-NUT" METHOD, PENDING APPROVAL BY THE ENGINEER OF RECORD (EOR). TIGHTEN FLANGE BOLTS USING THE CHART BELOW:

BOLT LENGTHS UP TO AND INCLUDING FOUR DIAMETERS

1/2"	BOLTS UP TO AND INCLUDING 2.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
5/8"	BOLTS UP TO AND INCLUDING 2.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
3/4"	BOLTS UP TO AND INCLUDING 3.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
7/8"	BOLTS UP TO AND INCLUDING 3.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1"	BOLTS UP TO AND INCLUDING 4.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS UP TO AND INCLUDING 4.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS UP TO AND INCLUDING 5.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS UP TO AND INCLUDING 5.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS UP TO AND INCLUDING 6.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT

BOLT LENGTHS OVER FOUR DIAMETERS BUT NOT EXCEEDING EIGHT DIAMETERS

1/2"	BOLTS 2.25 TO 4.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
5/8"	BOLTS 2.75 TO 5.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
3/4"	BOLTS 3.25 TO 6.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
7/8"	BOLTS 3.75 TO 7.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1"	BOLTS 4.25 TO 8.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS 4.75 TO 9.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS 5.25 TO 10.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS 5.75 TO 11.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS 6.25 TO 12.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT

4. SPLICE BOLTS SUBJECT TO DIRECT TENSION SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8.2.1 OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS", LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS FOLLOWS:

   FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SUBSECTION 8.2.1 THROUGH 8.2.4.

   8.2.1 TURN-OF-NUT PRETENSIONING
   BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1, UNTIL ALL THE BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED ABOVE. DURING THE TIGHTENING OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY.

5. ALL OTHER BOLTED CONNECTIONS SHALL BE BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1 OF THE SPECIFICATION.

   ALL BOLT HOLES SHALL BE ALIGNED TO PERMIT INSERTION OF THE BOLTS WITHOUT UNDUE DAMAGE TO THE THREADS. BOLTS SHALL BE PLACED IN ALL HOLES WITH WASHERS POSITIONED AS REQUIRED AND NUTS THREADED TO COMPLETE THE ASSEMBLY. COMPACTING THE JOINT TO THE SNUG-TIGHT CONDITION SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT. THE SNUG-TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.

APPLICABLE CODES AND STANDARDS

1. ANSI/TIA: STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES, 222-H EDITION.
2. 2018 CONNECTICUT STATE BUILDING CODE.
3. 2015 INTERNATIONAL BUILDING CODE.
4. ACI 318: AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE. REFERENCE LATEST APPROPRIATE EDITION TO MATCH LOCAL AND/OR INTERNATIONAL BUILDING CODE(S) LISTED ABOVE.
5. CRSI: CONCRETE REINFORCING STEEL INSTITUTE, MANUAL OF STANDARD PRACTICE, LATEST EDITION.
6. AISC: AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
7. AWS: AMERICAN WELDING SOCIETY D1.1, STRUCTURAL WELDING CODE, LATEST EDITION.

SPECIAL INSPECTION

1. A QUALIFIED INDEPENDENT TESTING LABORATORY, EMPLOYED BY THE OWNER, SHALL PERFORM INSPECTION AND TESTING IN ACCORDANCE WITH IBC 2015, SECTION 1704 AS REQUIRED BY PROJECT SPECIFICATIONS FOR THE FOLLOWING CONSTRUCTION WORK:
   a) STRUCTURAL WELDING (CONTINUOUS INSPECTION OF FIELD WELD ONLY)
   b) HIGH STRENGTH BOLTS (PERIODIC INSPECTION OF A325 EXTENSION FLANGE BOLTS TO BE TIGHTENED PER "TURN-OF-THE-NUT" METHOD)
2. THE INSPECTION AGENCY SHALL SUBMIT INSPECTION AND TEST REPORTS TO THE BUILDING DEPARTMENT, THE ENGINEER OF RECORD, AND THE OWNER IN ACCORDANCE WITH IBC 2015, SECTION 1704, UNLESS THE FABRICATOR IS APPROVED BY THE BUILDING OFFICIAL TO PERFORM SUCH WORK WITHOUT THE SPECIAL INSPECTIONS.

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
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PHONE: (919) 468-0112
COA: PEC.0001553

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	NYG	10/07/22

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CONNECTICUT

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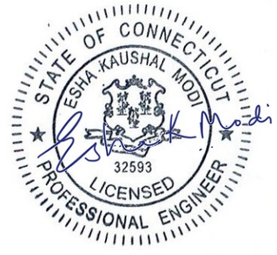

DRAWN BY:	NYG
APPROVED BY:	THP
DATE DRAWN:	10/07/22
ATC JOB NO:	14090117_C6_06

IBC GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

MODIFICATION INSPECTION NOTES

THE SPECIAL INSPECTION (SI) PROCEDURE IS INTENDED TO CONFIRM THAT CONSTRUCTION AND INSTALLATION MEETS ENGINEERING DESIGN, ATC PROCEDURES AND ATC STANDARD SPECIFICATIONS FOR WIRELESS TOWER SITES.

TO ENSURE THAT THE REQUIREMENTS OF THE SI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR AND THE INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PO IS RECEIVED FROM AMERICAN TOWER CORPORATION (ATC). IT IS EXPECTED THAT EACH PARTY WILL PROACTIVELY REACH OUT TO THE OTHER PARTY. IF CONTACT INFORMATION IS NOT KNOWN, CONTACT YOUR AMERICAN TOWER POINT OF CONTACT.

SPECIAL INSPECTOR

THE SPECIAL INSPECTOR IS REQUIRED TO CONTACT THE GENERAL CONTRACTOR AS SOON AS RECEIVING A PO FROM ATC. UPON RECEIVING A PO FROM ATC THE SPECIAL INSPECTOR AT A MINIMUM MUST:

- REVIEW THE REQUIREMENTS OF THE SI CHECKLIST.
- WORK WITH THE GENERAL CONTRACTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS.
- ANY CONCERNS WITH THE SCOPE OF WORK OR PROJECT COMMITMENT MUST BE RELAYED TO THE ATC POINT OF CONTACT IMMEDIATELY.

THE SPECIAL INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR INSPECTION AND TEST REPORTS, REVIEWING THESE DOCUMENTS FOR ADHERENCE TO CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE SI REPORT TO AMERICAN TOWER CORPORATION.

GENERAL CONTRACTOR

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

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

THE GENERAL CONTRACTOR SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SI CHECKLIST.

SPECIAL INSPECTION CHECKLIST

INSPECTION DOCUMENT	DESCRIPTION	INSPECTION TESTING REQUIRED	RESPONSIBILITY	SI REVIEW REQUIRED			INSPECTION FREQUENCY	
				PRE CX	DURING CX	POST CX	PERIODIC	CONTINUOUS
SPECIAL INSPECTION FIELD WORK & REPORT	DOCUMENTATION AND SITE VISIT CONDUCTED BY AN ATC APPROVED SPECIAL INSPECTOR AS REQUIRED BY ATC AND OTHER AUTHORITIES HAVING JURISDICTION. INSPECTION PARAMETERS TO FOLLOW ATC'S STANDARD SPECIFICATION FOR WIRELESS TOWER SITES.	✔	SI			✔		
ENGINEERING ASSEMBLY DRAWINGS	GC SHALL SUBMIT DRAWINGS TO SI FOR INCLUSION IN SI REPORT	✔	GC	✔				
FABRICATED MATERIAL VERIFICATION & INSPECTION	MTR AND OR MILL CERTIFICATIONS FOR SUPPLIED MATERIALS GC SHALL SUPPLY SI WITH REPORTS TO BE INCLUDED IN SI REPORT WHEN REQUIRED BY ATC	✔	SI	✔				
CERTIFIED WELD INSPECTION	INSPECTION AND REPORT OF STRUCTURAL WELDING PERFORMED DURING PROJECT COMPLETED BY A CWI AND INCLUDED WITHIN SI REPORT		GC / TA					
FOUNDATION INSPECTION & VERIFICATION	VISUAL OBSERVATION AND APPROVAL OF FOUNDATION EXCAVATION, REBAR PLACEMENT, CASING/SHORING/FORMING PLACEMENT, AND ANCHOR TEMPLATE AND ANCHOR PLACEMENT - TO BE SI APPROVED PRIOR TO CONCRETE POUR AND DOCUMENTED IN THE SI REPORT		SI					
ANCHOR, ROCK ANCHOR OR HELICAL PULL-OUT TEST	PULL TESTING OF INSTALLED ANCHORS TO BE COMPLETED AND DOCUMENTED IN SI REPORT		GC / TA					
CONCRETE INSPECTION & VERIFICATION	CONCRETE MIX DESIGN, SLUMP TEST, COMPRESSIVE TESTING, AND SAMPLE GATHERING TECHNIQUES ARE TO BE PROVIDED FOR INCLUSION IN THE SI REPORT. SI SHALL VERIFY CONCRETE PLACEMENT AS REQUIRED BY THE DESIGN DOCUMENTS (INSPECTION FREQUENCY IS MARKED CONTINUOUS)		GC / TA					
DYWIDAG PLACEMENT/ANCHOR BOLT EMBEDMENT - EPOXY/GROUT INSTALL	ANCHOR/BAR EMBEDMENT, HOLE SIZE, EPOXY/GROUT TYPE, INSTALLATION TEMPERATURE AND INSTALLATION SHALL BE VERIFIED BY THE SI AND INCLUDED IN THE SI REPORT	✔	GC / SI		✔			✔
BASE PLATE GROUT INSPECTION & VERIFICATION	BASE PLATE GROUTING TYPE AND PLACEMENT SHALL BE CONFIRMED BY THE SI AND INCLUDED IN THE SI REPORT		GC / SI					
EARTHWORK INSPECTION & VERIFICATION	EXCAVATION, FILL, SLOPE, GRADE AND OTHER EARTHWORK REQUIREMENTS PER PLANS SHALL BE VERIFIED BY THE SI AND INCLUDED IN THE SI REPORT		GC / TA					
COMPACTION VERIFICATION	CONTRACTOR SHALL PROVIDE AN INDEPENDENT THIRD PARTY CERTIFIED INSPECTION WHICH PROVIDES TEST RESULTS FOR COMPACTION TEST OF SOILS IN PLACE TO ASTM STANDARDS.		GC / TA					
GROUND TESTING & VERIFICATION	GC SHALL PROVIDE DOCUMENTATION SHOWING THAT THE GROUNDING SYSTEM SHALL HAVE A MEASURED RESISTANCE TO THE GROUND OF NOT MORE THAN THE RECOMMENDED 10 OHMS. PER THE ATC CONSTRUCTION SPECIFICATION UNDER SECTION 2.15 THIS DOCUMENTATION MUST BE AN INDEPENDENT CERTIFICATION.		GC					
STEEL CONSTRUCTION INSPECTION & VERIFICATION	VISUAL OBSERVATION AND APPROVAL OF STEEL CONSTRUCTION TO BE PERFORMED BY THE SI. INSPECTION TO INCLUDE VERIFICATION OF NEW CONSTRUCTION OR MODIFICATION OF EXISTING CONSTRUCTION PER ENGINEERED PLANS. DETAILED VERIFICATION SHALL BE INCLUDED IN SI REPORT.	✔	SI			✔	✔	
ON-SITE COLD GALVANIZING VERIFICATION	SI SHALL VERIFY WITH GC ALL COLD GALVANIZATION TYPE AND APPLICATION AND INCLUDE SUMMARY IN SI REPORT	✔	GC			✔	✔	
GUY WIRE TENSIONING & TOWER ALIGNMENT REPORT	GC SHALL PROVIDE SI EVIDENCE OF PROPER GUY TENSIONING AND TOWER PLUMB PER PLANS. SI SHALL VERIFY AND INCLUDE PLUMB AND TENSION REPORTING IN SI REPORT.		GC					
GC AS-BUILT DRAWINGS WITH CONSTRUCTION RED-LINES	GC SHALL SUBMIT "AS-BUILT" DRAWINGS INDICATING ANY APPROVED CHANGES TO ENGINEERED PLANS TO SI FOR APPROVAL/REVIEW AND INCLUSION IN SI REPORT	✔	GC			✔		
SI AS-BUILT DRAWINGS WITH INSPECTION RED-LINES (AS REQUIRED)	SI SHALL SUBMIT "AS-BUILT" DRAWINGS INDICATING ANY APPROVED CHANGES TO ENGINEERED PLANS WITHIN SI REPORT	✔	SI			✔		
TIA INSPECTION	SI SHALL COMPLETE TIA INSPECTION AND PROVIDE SEPARATE TIA INSPECTION DOCUMENTATION TO ATC CM		SI					
PHOTOGRAPHS	PHOTOGRAPHIC EVIDENCE OF SPECIAL INSPECTION, ON SITE REMEDIATION, AND ITEMS FAILING INSPECTION & REQUIRING FOLLOW UP TO BE INCLUDED WITHIN THE SI REPORT. COMPLETE PHOTO LOG IS TO BE SUBMITTED WITHIN SI REPORT.	✔	GC / SI			✔		

NOTE: SPECIAL INSPECTIONS ARE INTENDED TO BE A COLLABORATIVE EFFORT BETWEEN GC AND SI. WHENEVER POSSIBLE GC IS TO PROVIDE SI WITH PHOTOGRAPHIC OR OTHER ACCEPTABLE EVIDENCE OF PROPER INSTALLATION IF PERIODIC INSPECTION FREQUENCY IS ACCEPTABLE. THE GC AND SI SHALL WORK TO COMPILE EVIDENCE OF PROPER CONSTRUCTION AND LIMIT THE NUMBER OF SI SITE VISITS REQUIRED.

TABLE KEY:
SI - ATC APPROVED SPECIAL INSPECTOR
GC - GENERAL CONTRACTOR
TA - 3RD PARTY TESTING AGENCY
CX - CONSTRUCTION
CM - CONSTRUCTION MANAGER
ATC - AMERICAN TOWER CORPORATION

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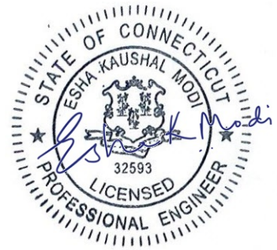
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: PEC.0001553

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	NYG	10/07/22

ATC SITE NUMBER:
302481

ATC SITE NAME:
HRFR - SOUTH
CONNECTICUT

SITE ADDRESS:
289 MOUNTAIN STREET
HARTFORD, CT 06106



DRAWN BY:	NYG
APPROVED BY:	THP
DATE DRAWN:	10/07/22
ATC JOB NO:	14090117_C6_06

SPECIAL INSPECTION CHECKLIST

SHEET NUMBER:	REVISION:
G-003	0

BILL OF MATERIALS

QUANTITY REQUIRED	QUANTITY PROVIDED	PART NUMBER	DESCRIPTION	LENGTH	SHEET LIST	PART WEIGHT	WEIGHT (lb)	NOTES
			#20 DYWIDAG REINFORCEMENT MATERIAL & HARDWARE					
4	4	DYD-20-ATR-30	#20 ALL THREAD ROD 30'	30'-0"	S-502	501.0	2004	GALVANIZED
4	4	DYD-20-ATR-PF	#20 ALL THREAD ROD (PER FT)	10'-0"	S-502	167.0	668	GALVANIZED
4	4	DYD-20-COUP-00	#20 COUPLING HDG	----	----	----	----	GALVANIZED
8	8	DYD-20-HN-00	#20 HEX NUT HDG	----	----	----	----	GALVANIZED
40	40	W519-20	W5X19	1'-6"	S-503	25.0	1000	#20 T-BRACKET
4	4	W519-8U	W5X19	2'-5 1/2"	S-503	49.0	196	#20 T-BRACKET
4	4	W519-12U	W5X19	3'-6 3/4"	S-503	71.1	284	#20 T-BRACKET
178	187	UB-580-3125	U-BOLT ASSEMBLIES FOR #20 ROD	----	----	----	----	GALVANIZED
128	134	NG-0625-0875-A490	NEXGEN2 BLIND BOLT ASSEMB., M20 W/ SPRING SLEEVE, A490	----	----	----	----	ALLFASTENERS - 2NG2060
18	23	#20SB	STEP BOLT WELDMENT	0'-7 1/4"	S-504	2.5	58	
2	2	----	STUD MOUNT CABLE GUIDE - 1/2"Ø	----	----	----	----	ALLFASTENERS - 14AFTRIM12
2	2	----	ROUND LEG INTERMEDIATE BRACKET	----	----	----	----	ALLFASTENERS - 14AFRHC12
						TOTAL WEIGHT (lb)	**4,210**	**PAGE 1 OF 1**

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CONNECTICUT

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289 MOUNTAIN STREET
HARTFORD, CT 06106

ESHA KAUSHAL MODI
32593

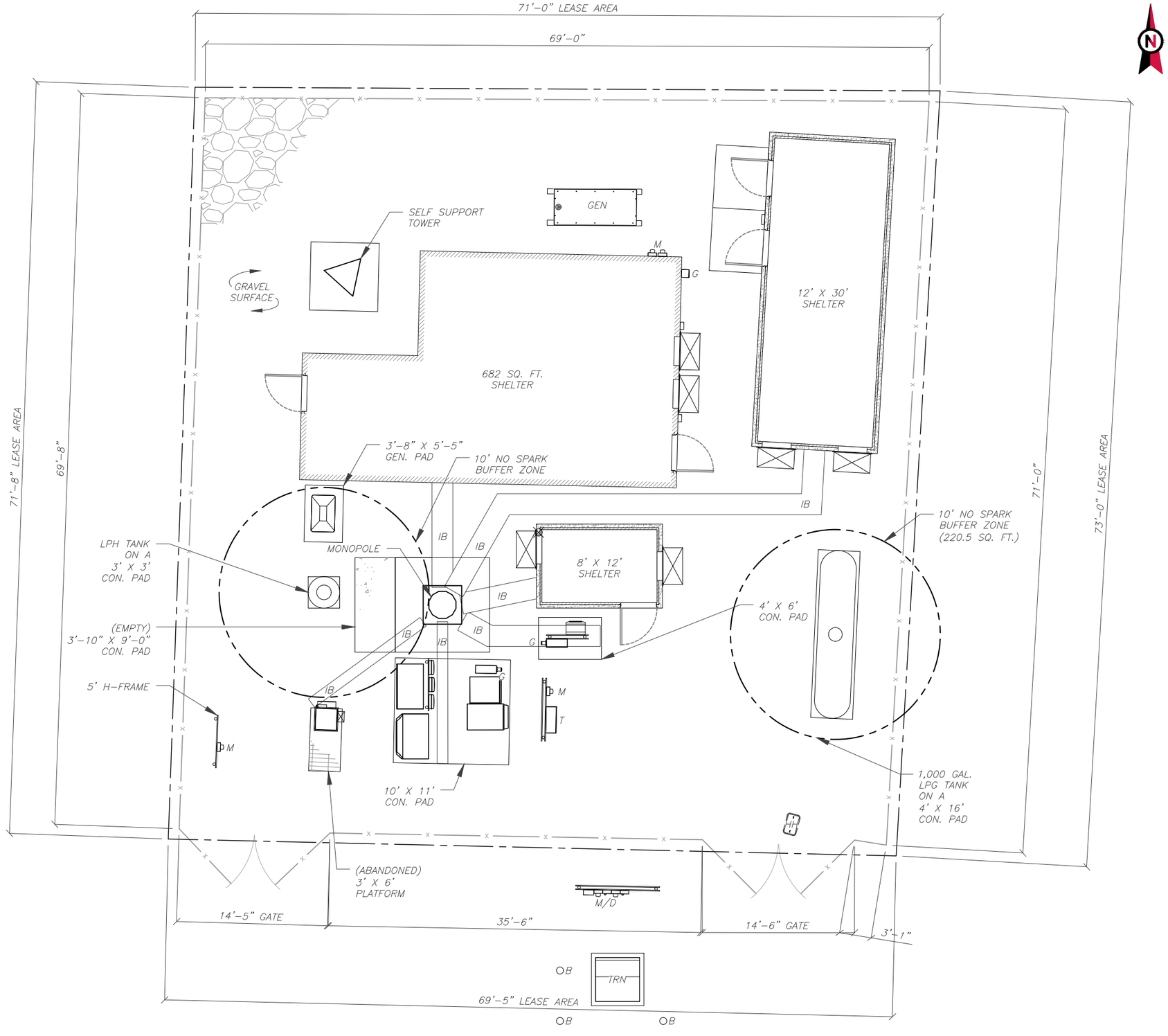
DRAWN BY:	NYG
APPROVED BY:	THP
DATE DRAWN:	10/07/22
ATC JOB NO:	14090117_C6_06

BILL OF MATERIALS

SHEET NUMBER:	REVISION:
G-004	0

LEGEND

⊗	GROUNDING TEST WELL
AV, A/V	AIR VENT
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
C	CABINET
CS	COAX SHROUD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
HH, V	HAND HOLE, VAULT
HFC	HYDROGEN FUEL CELL
HSM	HYDROGEN STORAGE MATERIAL
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
LPG	LIQUID PROPANE GAS
M	METER
OHW	OVERHEAD WIRE
P	POWER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
	PROPERTY LINE
	ADJACENT PROPERTY LINE
	LEASE AREA
	EASEMENT
	WOOD FENCE
	WIRE FENCE
	METAL FENCE
	GUARD RAIL
	CHAINLINK FENCE
	ROAD (DIRT)
	ROAD (STONE)
	ROAD (PAVED)



SCALE: 1"=10' (11X17)
1"=5' (22X34)

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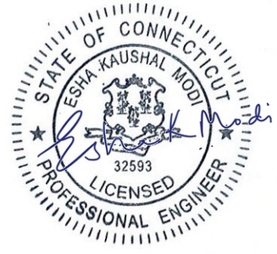

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DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

AT&T MOBILITY
EL: 140.0' [PROPOSED]
EL: 102.0' [PROPOSED]
EL: 100.0' [PROPOSED]

EL: 110.0'
[TOP OF STRUCTURE]

SECTION 4

EL: 100.0'

SECTION 3

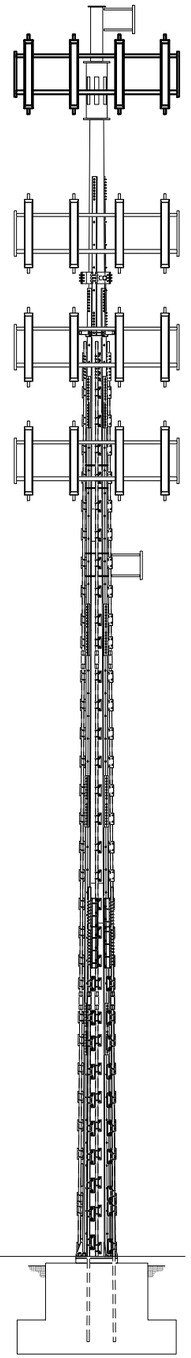
EL: 65.8'

SECTION 2

EL: 32.8'

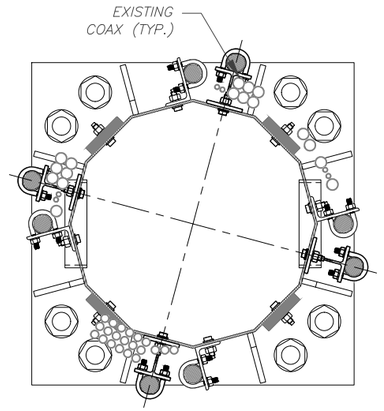
SECTION 1

EL: 0.0'
[BOTTOM OF STRUCTURE]



INSTALL (4) DYWIDAG #20 ALL THREAD RODS FROM EL: -7.5' TO 32.5'. SEE SHEETS S-501 TO S-504 FOR INSTALLATION DETAILS.

TOWER ELEVATION VIEW



COAX DISTRIBUTION
EXTERIOR ONLY

NOTES:

1. **PROPOSED AT&T MOBILITY COAX TO BE INSTALLED INSIDE MONOPOLE.**
2. **BASE FLANGE WELD AND STIFFENER PLATE WELDS (WHEN PRESENT) ARE TO BE INSPECTED VISUALLY AND BY NDT METHODS BY A CERTIFIED WELD INSPECTOR WITH NDT LEVEL II CERTIFICATION. RESULTS ARE TO BE SENT TO PMI@AMERICANTOWER.COM .**
3. **CONTACT AMERICAN TOWER FIELD OPERATIONS WHEN EXISTING EQUIPMENT INTERFERES WITH INSTALLATION OF MODIFICATIONS. ONCE APPROVED, EXISTING EQUIPMENT MAY BE TEMPORARILY MOVED DURING INSTALLATION & REINSTALLED TO THE ORIGINAL HEIGHT & LOCATION BY CONTRACTOR POST COMPLETION OF MODIFICATIONS.**

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A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: PEC.0001553

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	NYG	10/07/22

ATC SITE NUMBER:
302481

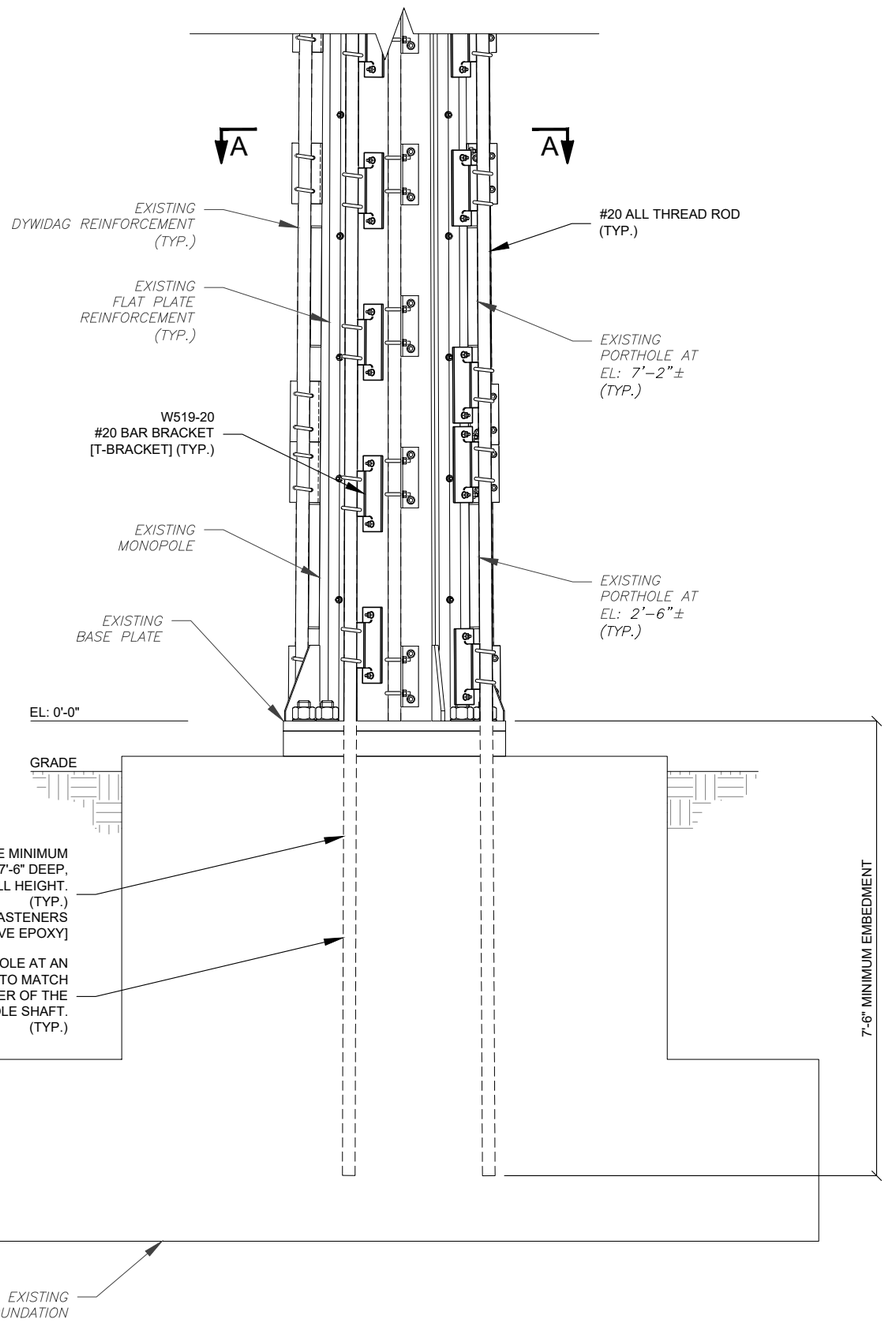
ATC SITE NAME:
HRFR - SOUTH
CONNECTICUT

SITE ADDRESS:
289 MOUNTAIN STREET
HARTFORD, CT 06106

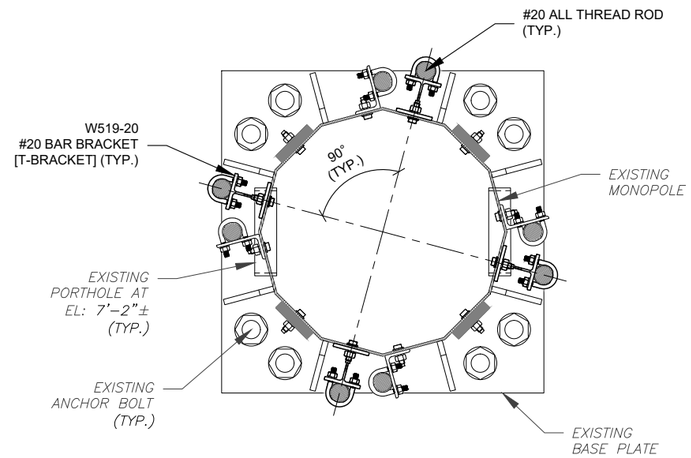
DRAWN BY:	NYG
APPROVED BY:	THP
DATE DRAWN:	10/07/22
ATC JOB NO:	14090117_C6_06

MODIFICATION PROFILE

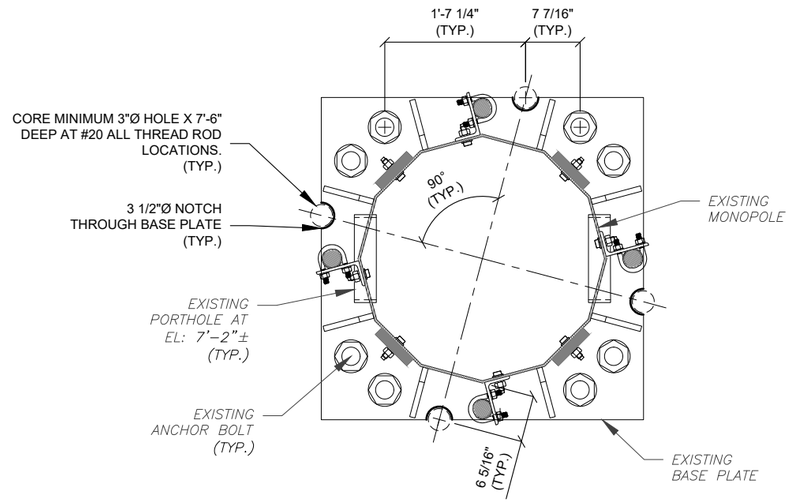
SHEET NUMBER:	REVISION:
S-201	0



ELEVATION VIEW
FOUNDATION DETAIL



PLAN VIEW
SECTION "A-A"



PLAN VIEW
HOLE DRILL DETAIL

NOTES:

1. **UNLESS SPECIFIED OTHERWISE, CONTRACTOR IS TO REMOVE ALL GROUT BELOW BASE PLATE AND VERIFY / TIGHTEN ALL LEVELING NUTS.**
2. **CONTRACTOR TO CONTACT ENGINEER OF RECORD IF EXISTING REBAR IS ENCOUNTERED DURING CORING.**

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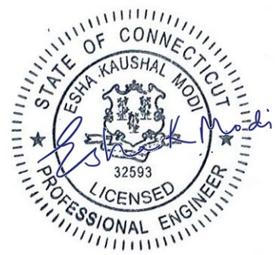

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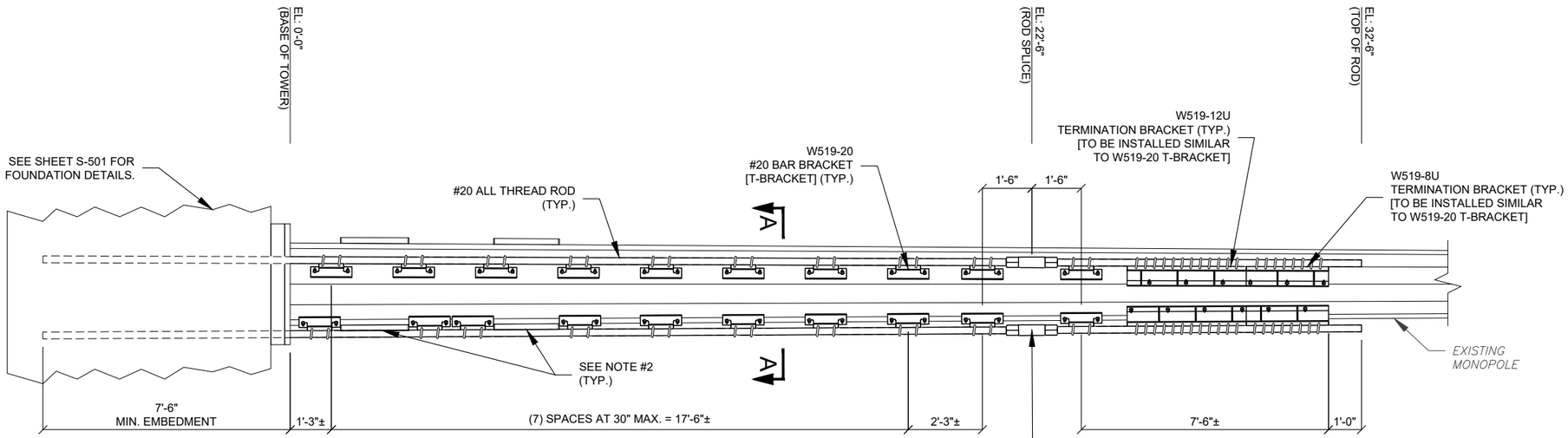
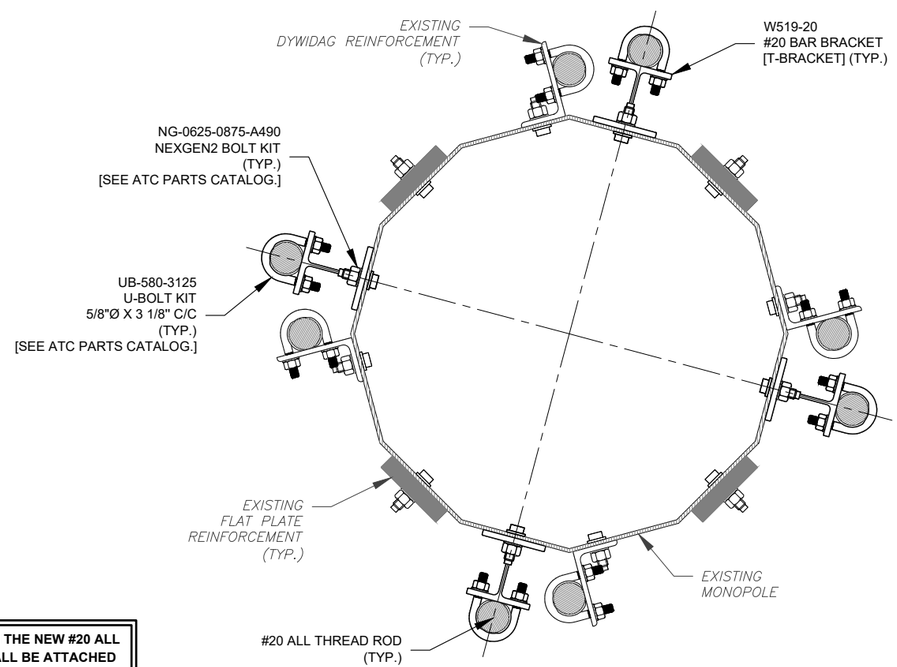
FOUNDATION DETAILS

SHEET NUMBER:	REVISION:
S-501	0



ELEVATION VIEW
#20 BAR BRACKET SPACING DETAIL
[EXISTING REINFORCEMENT NOT
SHOWN FOR CLARITY]



SECTION "A-A"
TYPICAL DETAIL

NOTES:

1. **REPLACE ANY EXISTING STEP BOLTS THAT INTERFERE WITH THE NEW #20 ALL THREAD ROD REINFORCEMENTS. THE NEW STEP BOLTS SHALL BE ATTACHED TO THE #20 ALL THREAD RODS IN THE SAME APPROXIMATE LOCATION. SEE SHEET S-504 FOR INSTALLATION DETAILS.**
2. **PLACE A BRACKET (W519-20) DIRECTLY ABOVE AND BELOW ANY EXISTING PORTHOLE AS REQUIRED.**
3. **SEE SHEET S-503 FOR #20 ALL THREAD ROD BRACKET INSTALLATION DETAILS.**
4. **NG-0938-1438-A490 NEXGEN2 BOLT KITS ARE SUPPLIED AS REQUIRED FOR BAR BRACKET CONNECTIONS THAT FALL WITHIN SLIP JOINT LOCATIONS.**

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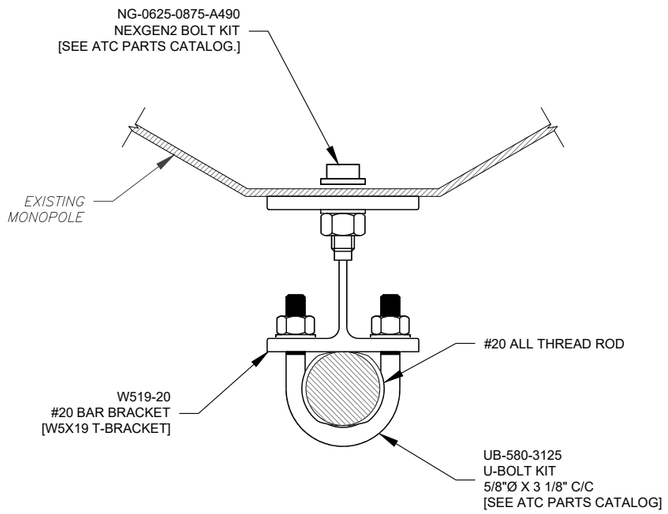
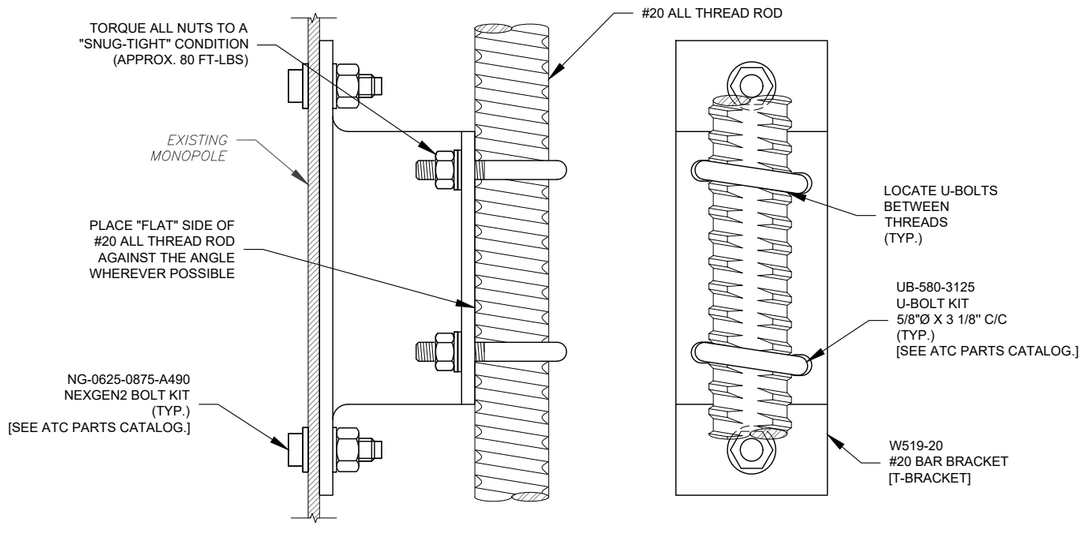
REINFORCEMENT
INSTALLATION DETAILS

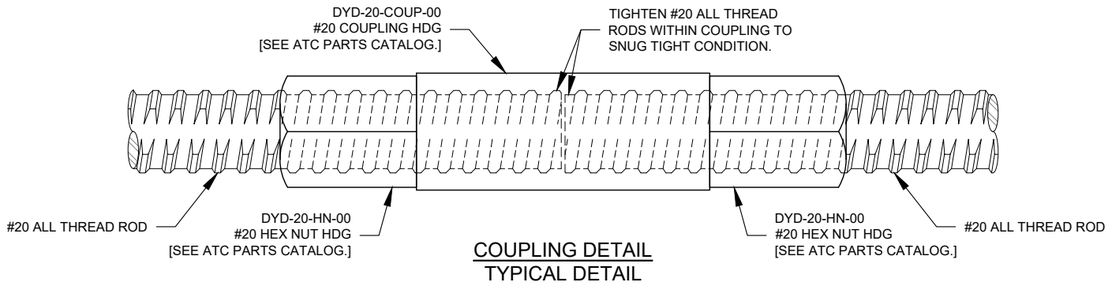
SHEET NUMBER:	REVISION:
S-502	0



PLAN VIEW
#20 BAR BRACKET ORIENTATION
[W5X19 T-BRACKET]



ELEVATION VIEW
#20 BAR BRACKET ORIENTATION
[W5X19 T-BRACKET]



COUPLING DETAIL
TYPICAL DETAIL

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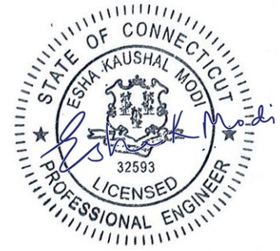

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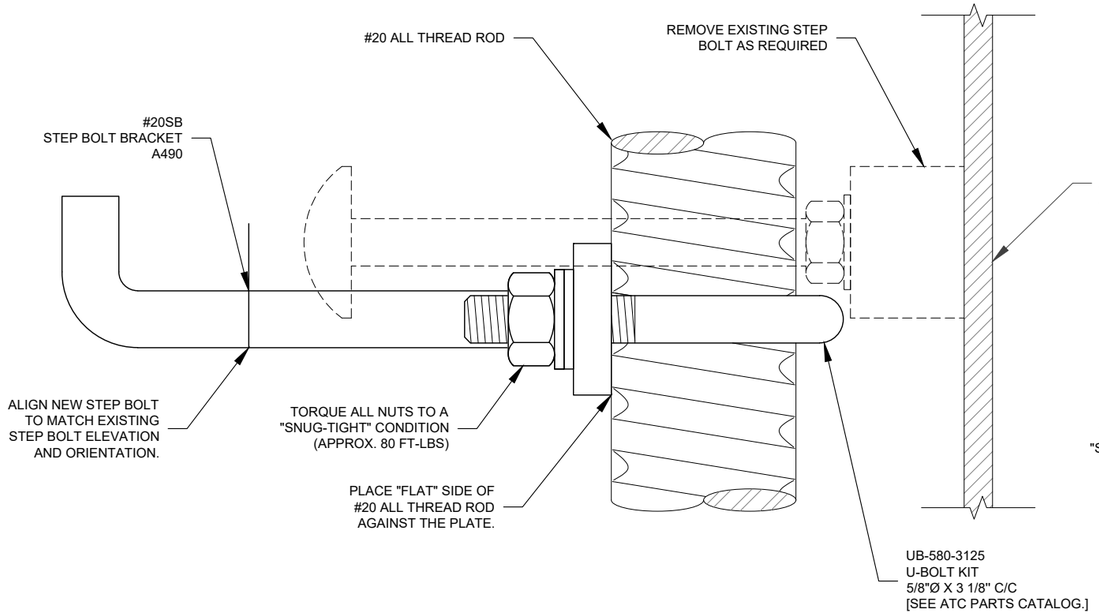
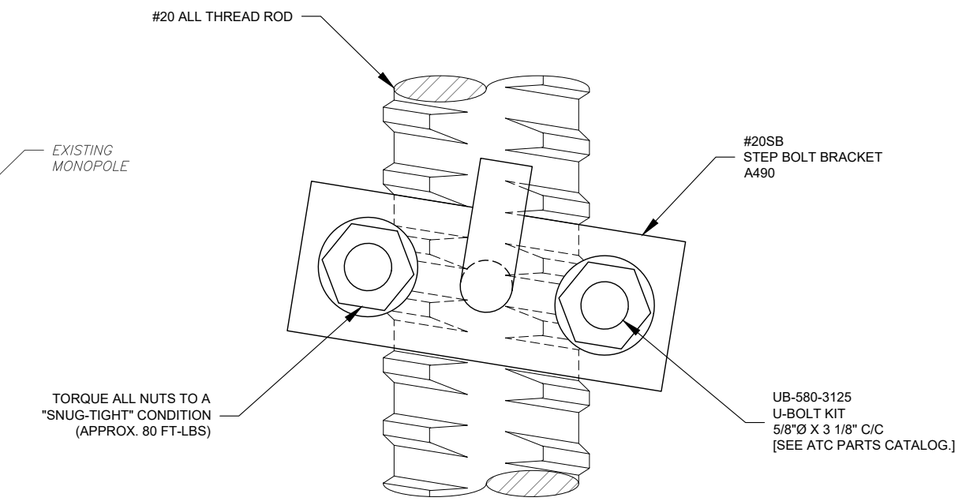
REINFORCEMENT
INSTALLATION DETAILS
(CONT'D)

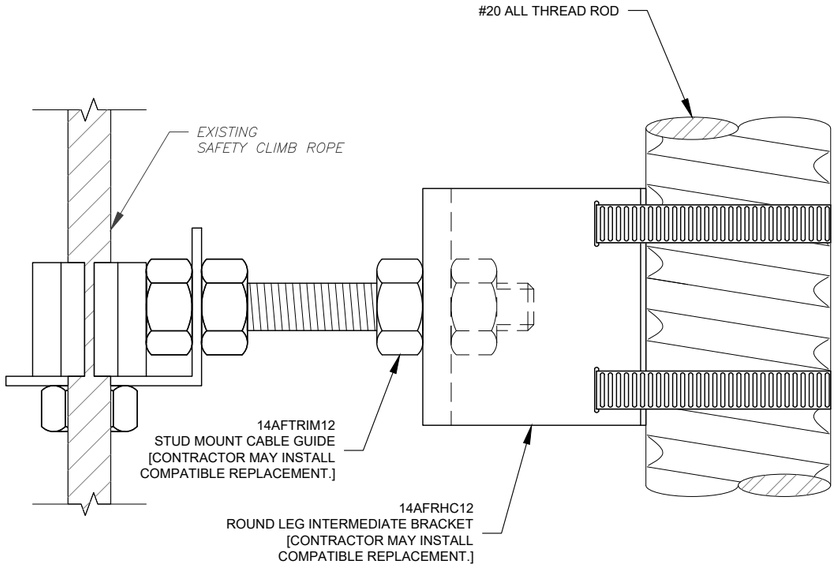
SHEET NUMBER:	REVISION:
S-503	0



#20SB INSTALLATION DETAILS
SIDE VIEW



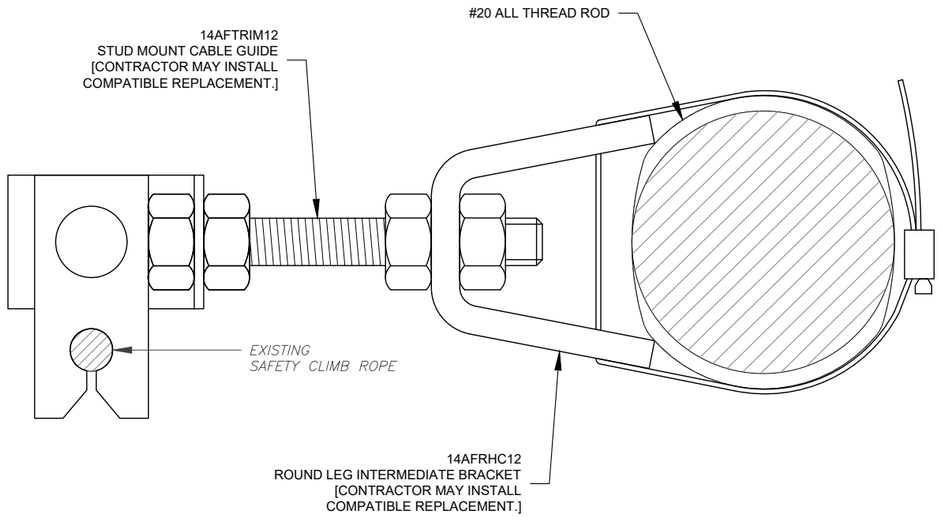
#20SB INSTALLATION DETAILS
FRONT VIEW



SAFETY CLIMB CABLE GUIDE INSTALLATION
SIDE VIEW

NOTES:

1. **STEP PEG SPACING IS NOT TO EXCEED 15" MAX. STAGGERED OR 30" MAX. ON ANY SINGLE SIDE OF THE DYWIDAG BAR.**
2. **SAFETY CLIMB CABLE GUIDE SPACING IS NOT TO EXCEED 20' MAX.**



SAFETY CLIMB CABLE GUIDE INSTALLATION
TOP VIEW

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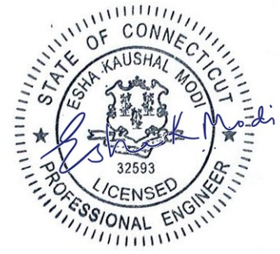

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#20 STEP BOLT BRACKET INSTALLATION DETAILS

SHEET NUMBER:	REVISION:
S-504	0