EM-SPRINT-089-121212

: Wireless Services
fill Plain Rd.
r 2
ɔury, CT, 06811
)3.797.1112

HPC
WIRELESS SERVICES

December 11, 2012

ORIGINAL

RECEIVED
DEC 12 2012
CONNECTICUT
SITING COUNCIL

VIA OVERNIGHT COURIER

Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051
Attn: Ms. Linda Roberts, Executive Director

Re: Sprint Spectrum, L.P. – exempt modification
1615 Stanley Street, New Britain, Connecticut

Dear Ms. Roberts:

This letter and attachments are submitted on behalf of Sprint Spectrum, L.P. ("Sprint"). Sprint is undertaking modifications to certain existing sites in its Connecticut system in order to implement updated technology. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction that constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the Mayor of the City of New Britain.

Sprint plans to modify the existing wireless communications facility owned by the State of Connecticut/Central Connecticut State University and located at 1615 Stanley Street (Vance Hall) in the City of New Britain (coordinates 41°-41'-37.69", 72°-45'-45.57"). Attached are plan and elevation drawings depicting the planned changes, and documentation of the structural sufficiency of the structure to accommodate the revised antenna configuration. Also included is a power density report reflecting the modification to Sprint's operations at the site.

The changes to the facility do not constitute a modification as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

1. Sprint will add three (3) dual-band panel antennas to the existing mounting frames at a center line of approximately 138' AGL. Nine (9) RRHs (remote radio heads), six (6)

combiners and three (3) notch filters will be mounted behind and below the antennas. During an interim period of up to one year, the three (3) existing CDMA antennas will remain. Sprint will also install three (3) hybriflex cables along the existing coaxial cable run, and will remove the coaxial cable at the end of the interim period. The proposed modifications will not extend the height of the approximately 80' rooftop tower structure.

2. The proposed changes will not extend the site boundaries. Sprint will replace three (3) existing cabinets with three (3) new cabinets and will mount a fiber/power distribution box to an H-frame on the existing steel frame. The existing GPS antenna will be replaced. These changes will have no effect on the site boundaries.

3. The proposed changes will not increase the noise level at the existing facility by six decibels or more. The incremental effect of the proposed changes will be negligible.

4. The changes to the facility will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site. As indicated on the attached report prepared by EBI Consulting, Sprint's operations at the site will result in a power density of approximately 30.012%; the combined site operations will result in a total power density of approximately 30.962%.

Please feel free to contact me by phone at (860) 798-7454 or by e-mail at jgaudet@hpcwireless.com with questions concerning this matter. Thank you for your consideration.

Respectfully yours,

Jennifer Young Gaudet

Jennifer Young Gaudet

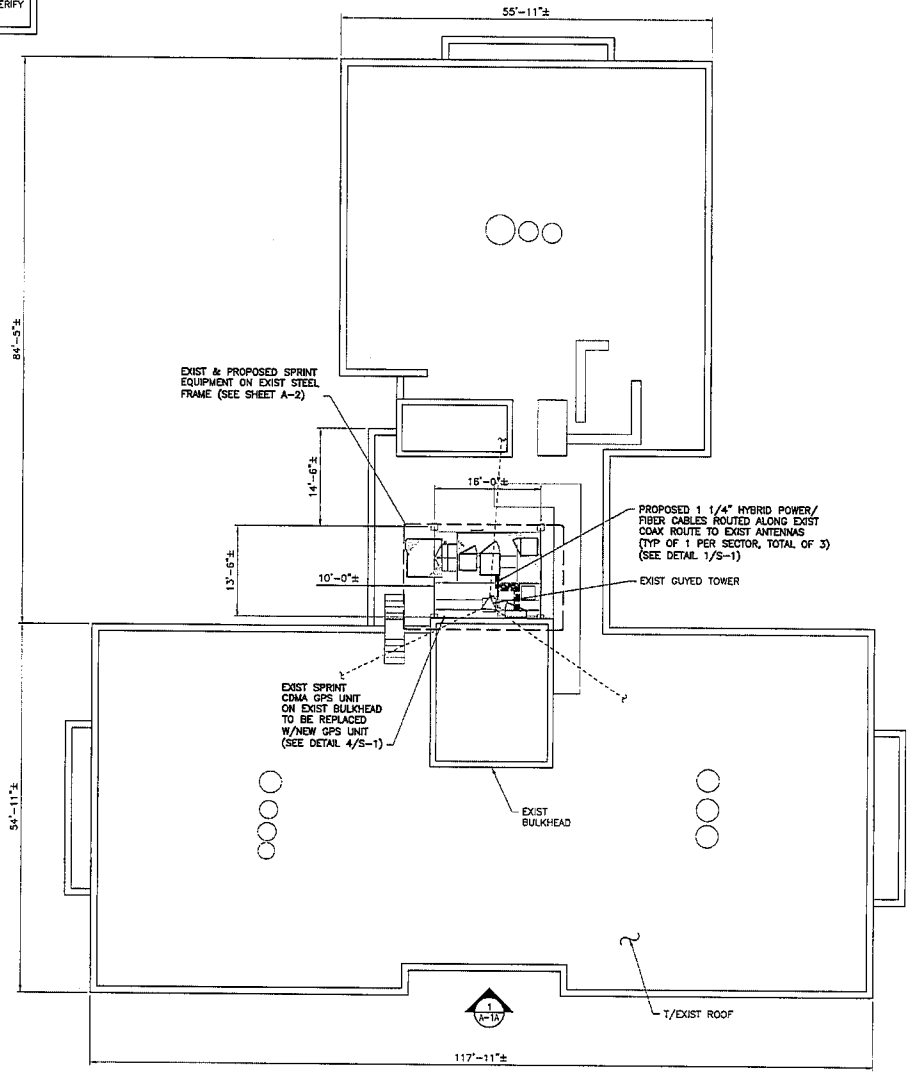
cc: Honorable Tim O'Brien, Mayor, City of New Britain
State of Connecticut/Central Connecticut State University (underlying property owner)

N

TRUE

NORTH NOTE:

NORTH SHOWN HAS BEEN ESTABLISHED USING THE USGS QUADRANGLE 7.5 MINUTE MAPS AND IS APPROXIMATE. VERIFY TRUE NORTH PRIOR TO INSTALLATION OF ANTENNAS.



1/A-1 ROOF PLAN

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

Sprint
NETWORK VISION MIGHTS LAUNCH
1 INTERNATIONAL BLVD., SUITE 800
MAHWAH, NJ 07495
OFFICE:(201)684-4000
FAX:(201)848-4223

Alcatel·Lucent
1 ROBBINS ROAD
WESTFORD, MA 01886
TEL:(978) 952-1560

HPC
WIRELESS SERVICES

TECTONIC
TECTONIC Engineering & Surveying Consultants P.C.
1279 Route 300
Newburgh, NY 12220
Phone: (845) 567-3600
Fax: (845) 567-8792
www.tectonicengineering.com

SUBMITTALS

PROJECT NO: 6318.03-098

NO	DATE	DESCRIPTION	BY
0	9/21/12	FOR COMMENT	LP
1	11/19/12	PER COMMENTS	NS

SEAL

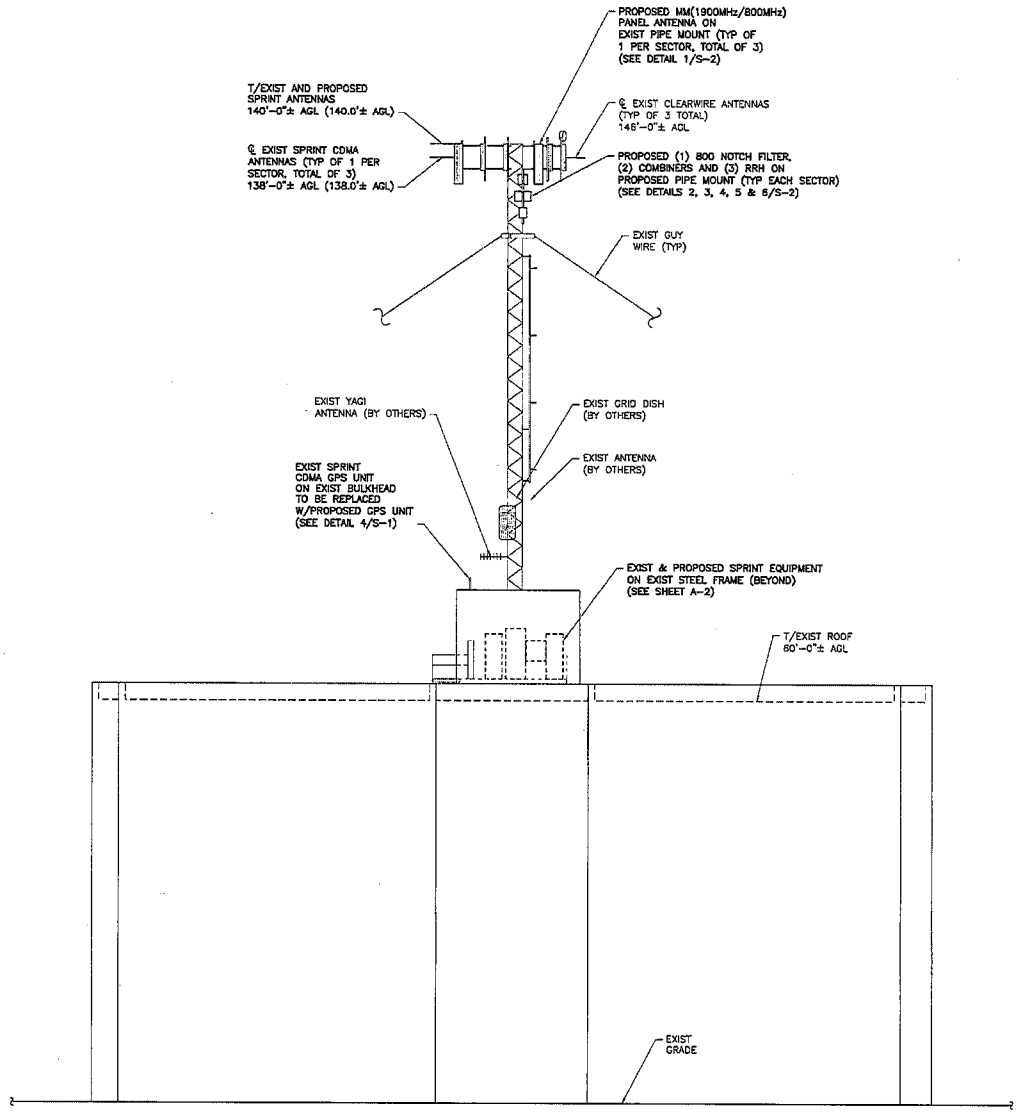
SITE NUMBER:
CT03XC098

SITE NAME:
VANCE HALL CCSU

SITE ADDRESS:
1679 STANLEY STREET
NEW BRITAIN, CT 06053

SHEET TITLE:
ROOF PLAN

SHEET NO:
A-1



1 A-1A ELEVATION

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

Sprint
NETWORK VISION SOMETS LAUNCH
1 INTERNATIONAL BLVD., SUITE 800
MAHWAH, NJ 07495
OFFICE:(201)684-4000
FAX:(201)648-4223

Alcatel·Lucent
1 ROBBINS ROAD
WESTFORD, MA 01886
TEL:(978) 952-4900

HPC
WIRELESS SERVICES

TECTONIC
ENGINEERING
SURVEYING
CONSULTING ARCHITECTURE
TECTONIC Engineering & Surveying Consultants P.C.
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-3656
Fax: (845) 567-6702
www.tectonicengineering.com

SUBMITTALS

PROJECT NO: 6318.03-098

NO	DATE	DESCRIPTION	BY
0	9/21/12	FOR COMMENT	LP
1	11/19/12	PER COMMENTS	NS

SEAL

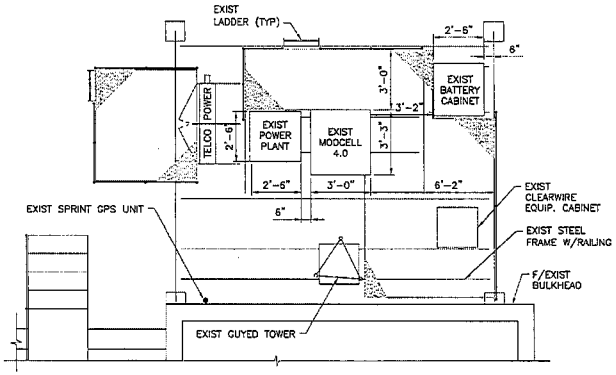
SITE NUMBER:
CT03XC098

SITE NAME:
VANCE HALL CCSU

SITE ADDRESS:
1679 STANLEY STREET
NEW BRITAIN, CT 06053

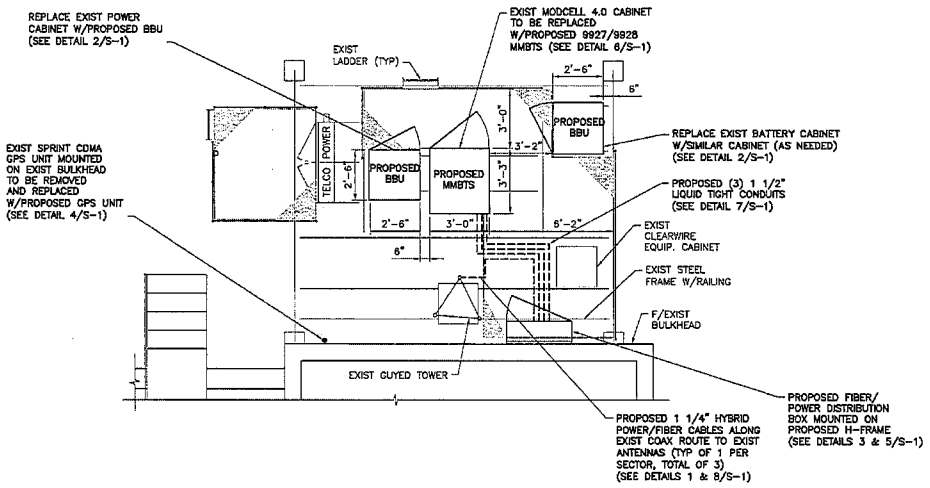
SHEET TITLE:
ELEVATION

SHEET NO:
A-1A



1 / A-2 ENLARGED EQUIPMENT LAYOUT PLAN (EXIST)

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



3 / A-2 ENLARGED EQUIPMENT LAYOUT PLAN (FINAL)

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

Sprint
NETWORK VISION MOBITS LAUNCH
1 INTERNATIONAL BLVD., SUITE 800
MAHWAH, NJ 07495
OFFICE:(201)684-4000
FAX:(201)648-4223

Alcatel·Lucent
1 ROBBINS ROAD
WESTFORD, MA 01886
TEL:(978) 803-1000

HPC
WIRELESS SERVICES

TECTONIC
PLANNING
ENGINEERING
MANAGING
CONSTRUCTION MANAGEMENT

TECTONIC Engineering & Surveying Consultants P.C.
1279 Route 300
Newburgh, N. 12550
Phone: (845) 567-3100
Fax: (845) 567-3232
www.tectonicengineering.com

SUBMITTALS

PROJECT NO: 6318.03-098

NO	DATE	DESCRIPTION	BY
0	9/21/12	FOR COMMENT	LP
1	11/19/12	PER COMMENTS	NS

SEAL

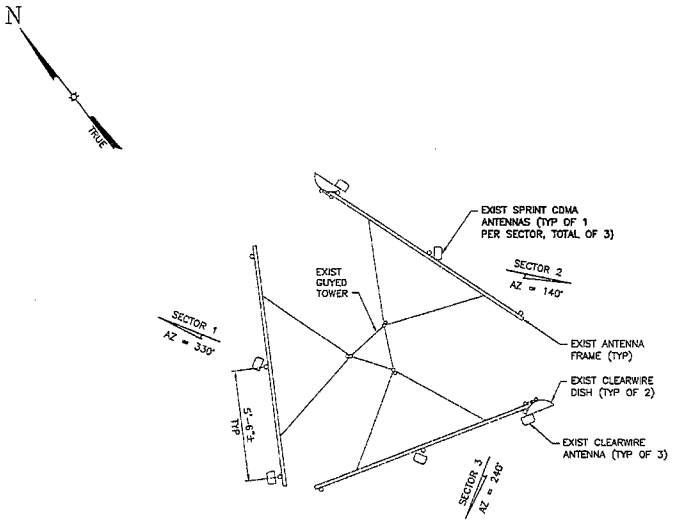
SITE NUMBER:
CT03XC098

SITE NAME:
VANCE HALL CCSU

SITE ADDRESS:
1679 STANLEY STREET
NEW BRITAIN, CT 06053

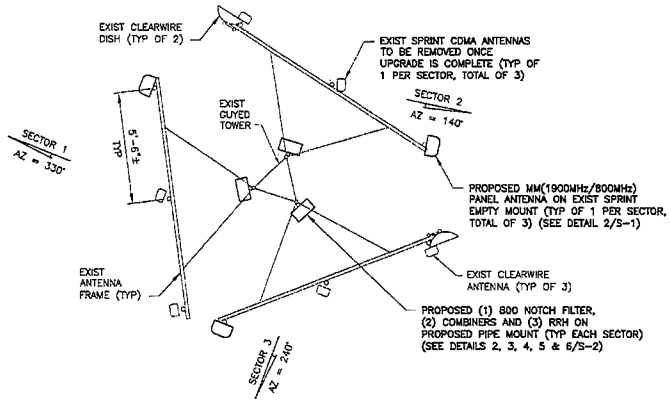
SHEET TITLE:
ENLARGED EQUIPMENT LAYOUT PLANS

SHEET NO:
A-2



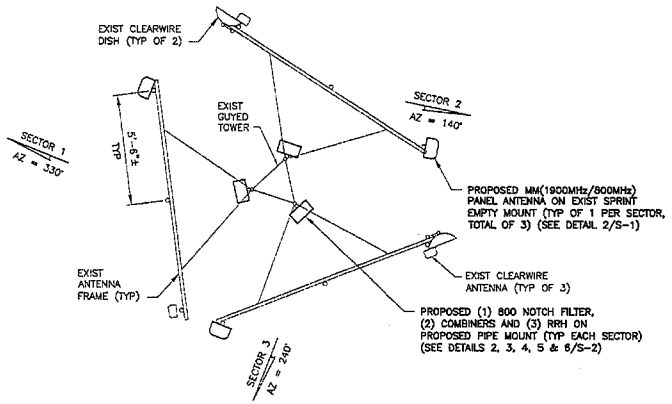
1 A-3 ANTENNA LAYOUT PLAN (EXIST)

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



2 A-3 ANTENNA LAYOUT PLAN (INTERIM)

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



3 A-3 ANTENNA LAYOUT PLAN (FINAL)

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

Sprint
NETWORK VISION MEETS LAUNCH
1 INTERNATIONAL BLVD., SUITE 800
MAHWAH, NJ 07495
OFFICE:(201)684-4000
FAX:(201)648-4223

Alcatel·Lucent
1 ROBBINS ROAD
WESTFORD, MA 01886
TEL:(978) 952-1000

HPC
WIRELESS SERVICES

TECTONIC
TECTONIC Engineering & Surveying Consultants P.C.
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-8605
Fax: (845) 567-8703
www.tectonicengineering.com

SUBMITTALS

PROJECT NO: 6518.03-098

NO	DATE	DESCRIPTION	BY
0	9/21/12	FOR COMMENT	LP
1	11/19/12	PER COMMENTS	NS

SEAL

SITE NUMBER:
CT03XC098

SITE NAME:
VANCE HALL CCSU

SITE ADDRESS:
1679 STANLEY STREET
NEW BRITAIN, CT 06053

SHEET TITLE:
ANTENNA LAYOUT PLANS (SECTORS 1 & 2)

SHEET NO:
A-3

STRUCTURAL ANALYSIS SUMMARY REPORT

SPRINT NETWORK VISION

EXISTING 80' GUYED TOWER ON AN EXISTING ROOF

SPRINT SITE NO: CT03XC098, VANCE HALL CCSU

1679 STANLEY STREET

NEW BRITAIN, CT 06053

NOVEMBER 13, 2012

TEC W.O. 6318.03-098

TECTONIC

Practical Solutions, Exceptional Service

TECTONIC

STRUCTURAL ANALYSIS SUMMARY REPORT

Project Information

W.O. Number:	6318.CT03XC098		Report Date: 11/12/2012
Client:	Sprint		Revision: 0
Site Name:	Vance Hall CCSU		
Owner:	Central Conn. State University		
Site Address:	1679 Stanley Street	FCC Reg No.:	--
City, State:	New Britain, CT 06053	County:	Hartford

Structure Information

Structure Type:	Guyed tower on a Rooftop	Manufacturer:	Rohn	Model:	#80 Series
Structure Height:	80 feet (tower)	Year Built:	1997		
No. of Sections:	5	Diagram:	See Figure 1		
Building Height:	60 feet				

Section No.	Elevation (ft.)*	Width (ft.)	Bracing Type	Guy El. (ft.)*	Size
5	Top 80	3.5	8X	63 (TA)	(2) 7/16"
	60	3.5			
4			8Z		
	40	3.5			
3			8Z		
	20	3.5			
2			6Z		
	5	3.5			
1			--		
	0	0			

*Elevation is given from base of tower

Leg Orientation	
A	Northeast
B	Southeast
C	Southwest

Base Foundation Type: 2' Square by 1" thick plate welded to (2) W12x50 beams

Guy Anchors: 1'-8"x1'-2" Plate with (8) 1" diameter through bolted to an existing 7" thick reinforced concrete roof slab.

Anchor	Location (ft.)**	Elevation (ft.)
A	80	-3
B	76.5	-3
C	56	-3

**Guy Anchor Radius from tower base

Documentation

Original Drawings: Structure: No Foundation: No

Previous Analysis: Yes

Documents provided:

Item	By	No.	Date
Construction Drawings (11 pages)	SEA Consultants Inc.	CT03XC098D	2/4/97
Structural Analysis Report (31 pages)	Bay State Design	CT-HFD0100B	4/30/10
RFDS	Sprint	CT03XC098	9/7/12

Inspection

Type: Visual Inspection Date: 7/5/2012

General Condition:

Tower: Good
Foundation: Good
Guys: Good

Observations: None

Finish: Galvanized Condition: Intact

STRUCTURAL ANALYSIS SUMMARY REPORT (CONT.)

W.O. Number:	6318.CT03XC098	Report Date: 11/12/2012
Client:	Sprint	Revision: 0
Site Name:	Vance Hall CCSU	

Existing Appurtenances

Antennas:

Height (ft.)*	Carrier	Qty	Manuf.	Model	Mount	Leg (s)
143	Sprint	1	Unknown	Junction Box	Mounted on Tower Face	Face AB
138		2	Andrew	VHLP2.5-18-2WH or similar	(3) 15' Wide Frames	A,C
		3	EMS	RR90-17-00DP		
		3	Kathrine	840 10054B or similar		A,B,C
		3	Unknown	TMAs		
108	Unknown	1	Unknown	FM Antenna	Mounted to Tower Leg	A
93	Unknown	1	Kathrein Scala	MF-900B	Pipe Mounted to Tower Leg	B
85	Unknown	1	Laird	PC9013N or sim	Mounted to Tower Leg	B
83	Unknown	1	Unknown	GPS	Mounted to Tower Leg	B

Cables:

Height (ft.)*	Qty	Nom. Size	Location
143	2	2" dia ducts	Face AB
138	6	1-1/4" dia	Face AB
108	1	3/8" dia	Face AB
93	1	7/8" dia	Face AB
85	1	3/8" dia	Face AB
83	1	3/8" dia	Face AB

* Heights indicated above are from the ground level.

Lights:	None	Safety cable:	Yes
Lightning rod:	Yes	Step Bolts:	Yes
		Other:	4' Leg Extension

Proposed Upgrade

Sprint is proposing to upgrade its existing installation in two stages. In the initial stage, Sprint is proposing to add three (3) panel antennas, one (1) antenna per sector on the existing antenna frames. In addition, the following appurtenances will also be added. The configuration during the interim stage is as follows.

Stage 1: Interim Configuration

Antennas:

Height (ft.)	Carrier	Qty	Manuf.	Model	Mount	Leg (s)
143	Sprint	1	Unknown	Junction Box	Mounted on Tower Face	Face AB
138		2	Andrew	VHLP2.5-18-2WH or similar	(3) 15' Wide Frames	A,C
		3	EMS	RR90-17-00DP		
		3	Kathrine	840 10054B or similar		A,B,C
		3	Unknown	TMAs		
		3	RFS	APXVSPP18-C-A20		
134		6	Alcatel Lucent	1900 MHz RRH	Mounted to Tower Leg	A
		3	Alcatel Lucent	800 MHz RRH		
		6	Alcatel Lucent	Combiners		
		3	Alcatel Lucent	Notch Filter		

Cables:

Height (ft.)*	Qty	Nom. Size	Location	Comments
143	2	2" dia ducts	Face AB	Existing to Remain
138	6	1-1/4" dia	Face AB	Existing to Remain
138	1	3/8" dia	Face AB	Existing to Remain
138	3	1-1/4" dia	Face AB	Hybrid flex Coax Stacked on Existing Cables

* Heights indicated above are from the ground level.

STRUCTURAL ANALYSIS SUMMARY REPORT (CONT.)

W.O. Number:	6318.CT03XC098	Report Date: 11/12/2012
Client:	Sprint	Revision: 0
Site Name:	Vance Hall CCSU	

Proposed Upgrade (cont.)

Stage 2: Permanent Configuration

Sprint is proposing to subsequently remove three (3) existing EMS panel antennas in the second stage of this upgrade. The final Sprint configuration upon upgrade will be as follows:

Antennas:

Height (ft.)*	Carrier	Qty	Manuf.	Model	Mount	Leg (s)
143	Sprint	1	Unknown	Junction Box	Mounted on Tower Face	Face AB
138		2	Andrew	VHLP2.5-18-2WH or similar	(3) 15' Wide Frames	A,C
		3	Kathrine	840 10054B or similar		A,B,C
		3	Unknown	TMAs		
		3	RFS	APXVSPP18-C-A20		
134		6	Alcatel Lucent	1900 MHz RRH	Mounted to Tower Leg	A
		3	Alcatel Lucent	800 MHz RRH		
		6	Alcatel Lucent	Combiners		
		3	Alcatel Lucent	Notch Filter		

Cables:

Height (ft.)*	Qty	Nom. Size	Location	Comments
143	2	2" dia ducts	Face AB	Existing to Remain
138	6	1-1/4" dia	Face AB	Existing to Remain
138	1	3/8" dia	Face AB	Existing to Remain
138	3	1-1/4" dia	Face AB	Hybrid flex Coax Stacked on Existing Cables

* Heights indicated above are from the ground level.

Analysis Criteria

Design Standard: ANSI/TIA/EIA-222-F-1996

Building Code: 2003 International Building Code with 2005 Connecticut Supplement

	Capacity (no ice)	Capacity (with ice)
Wind Speed:	85 mph	74.00 mph
Basic Ice Thickness:	0 in	0.5 in

Assumptions:

1. The tower was designed, manufactured, and constructed in accordance with the approved tower drawings
2. The guy anchors and base connection are constructed as shown in the Construction Drawings referenced above.
3. Guy pretension is adjusted to 10% of the breaking strength.
4. Certain Appurtenance sizes have been estimated
5. Tower leg and diagonals are assumed to have 50ksi and 42ksi yield strength respectively
6. Tower member sizes and appurtenances are based on previous analysis report by Bay State Design, dated 4/30/10 and a visual inspection from the tower base.

STRUCTURAL ANALYSIS SUMMARY REPORT (CONT.)

W.O. Number:	6318.CT03XC098	Report Date: 11/12/2012
Client:	Sprint	Revision: 0
Site Name:	Vance Hall CCSU	

Analysis Results:

The analysis results listed below are for the interim configuration (Stage 1). The total wind area of the appurtenances after the final upgrade will be less than the interim installation. Therefore we can safely conclude that the stresses in the tower members, Tower base foundation and guy anchors will be less than the values listed below.

Member Capacity Ratios (%)

Height (ft.)*	Legs	Diagonals	Horizontals
0-5	18	--	4
5-15	25	28	18
20-40	36	30	10
40-60	51	68	23
60-80	40	43	7

*Height above base of tower

Guy Capacity Ratios (%)

Guy Level	Height*	Ratio
1	63	99.0

Foundation Reactions (Envelope):

Tower Base	Current Analysis
Vertical	38.9 kips
Shear	2.80 kips
Guy Anchor	
Uplift	15.50 kips
Shear	16.00 kips

Conclusions

Based on our analysis, the existing tower has adequate capacity to support the proposed Sprint installations as described herein in accordance with current code requirements.

Furthermore, based on our analysis of the supporting structure at the tower base and guy anchors, the existing structure is adequate to support the loads due to the proposed Sprint installations.

This report and the structural analysis performed are based on a limited visual inspection from the base of the tower and the information provided by Sprint. If the existing conditions are not as represented in this report, the design engineer should be immediately notified prior to installation of new appurtenances.

Prepared by: Kelly Schuman
Structural Engineer

Reviewed by: Vinod Ramesh
Structural Engineer

STATE OF CONNECTICUT ★ ANTONIO A. GUALTIERI ★ No. 25406 LICENSED PROFESSIONAL ENGINEER

Approved by:
Antonio A. Gualtieri, P.E.
Sr Vice President-Telecommunications/Structural/Energy

Date: 11/13/12

TECTONIC
Practical Solutions, Exceptional Service

Tectonic Engineering & Surveying Consultants, P.C.
1279 Route 300
Newburgh, NY 12550

Phone: (845) 567-6656
Fax: (845) 567-8703
Web: www.tectonicengineering.com

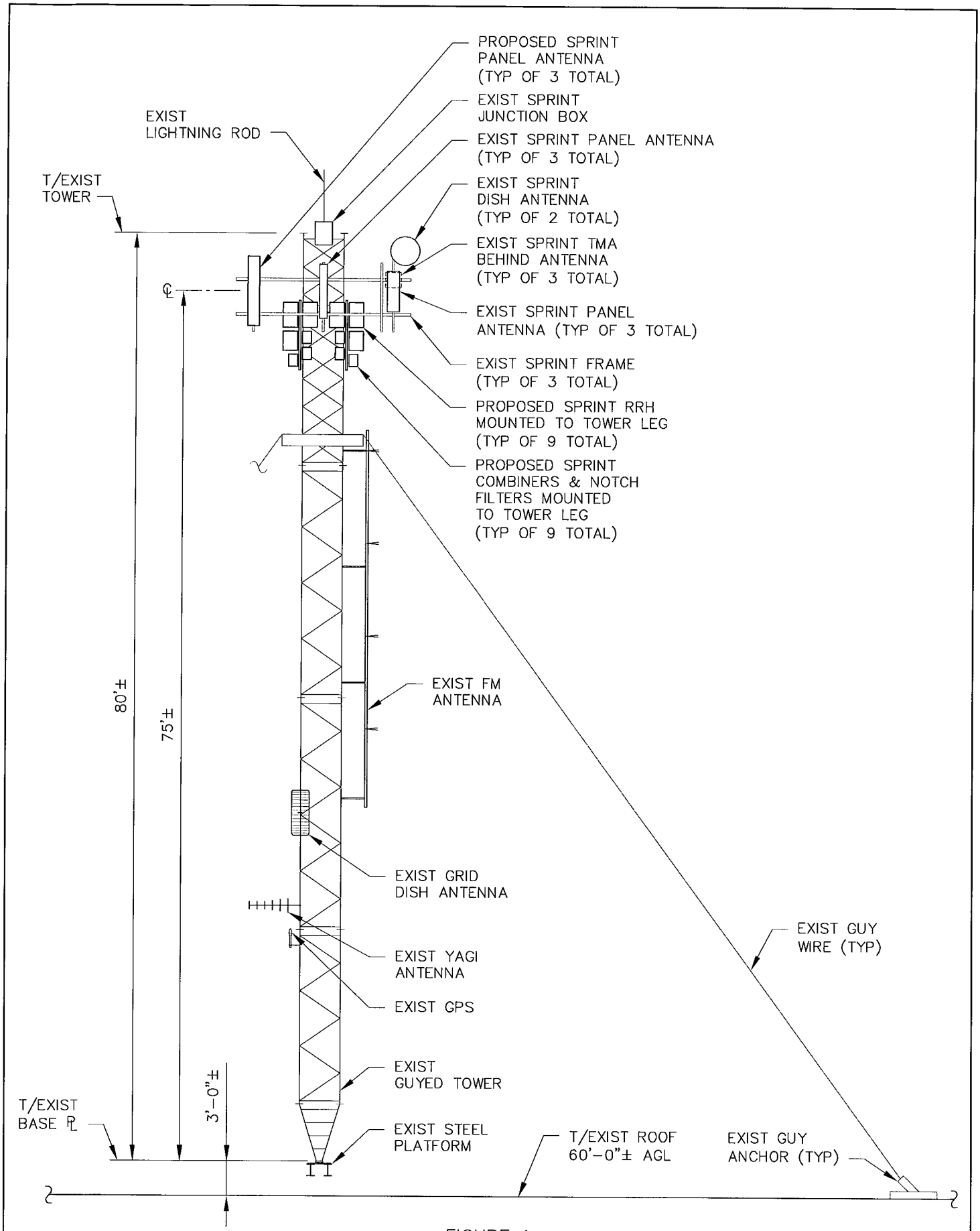


FIGURE 1
(INTERIM)

W.O. 6318.03-098
NEW BRITAIN, CT

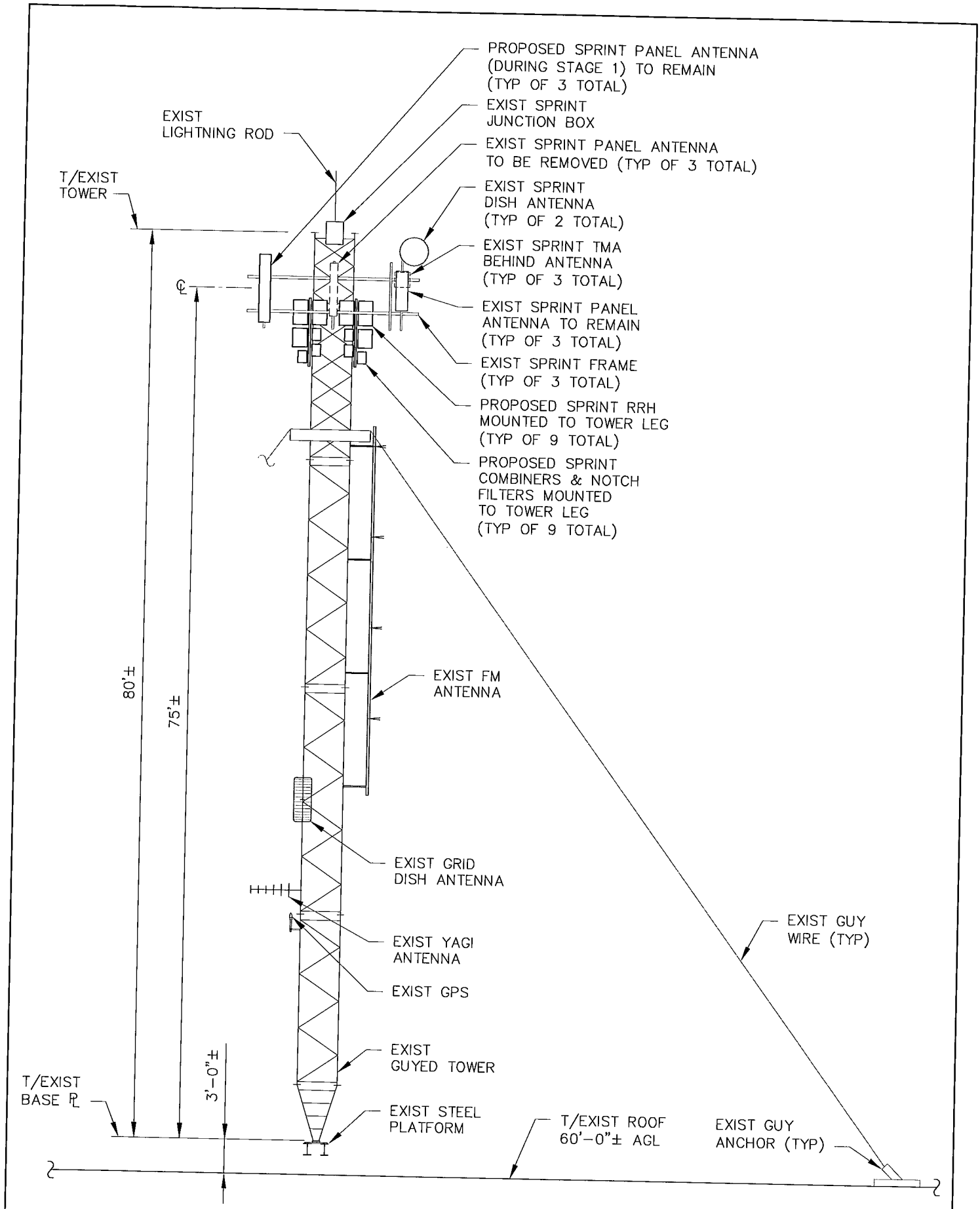


FIGURE 2
(FINAL)

W.O. 6318.03-098
NEW BRITAIN, CT

LOAD CALCULATIONS

Appurtenance Information

No Ice

Appurtenance	Length or Diameter (ft)	Width (in)	Depth (in)	Flat or Cylindrical?	Antenna Ca	Antenna Aa (ft^2)	Antenna CaAa (ft^2)	Antenna Weight (lb)
a. (E) RR90-17-00DP	4.67	8.00	2.80	Flat	1.40	3.11	4.36	24
b. (E) Kathrein 840 10054	3.50	12.70	2.80	Flat	1.40	3.70	5.19	23.6
c. (E) TMAs (shielded)	1.33	16.00	6.00	Flat	1.40	1.78	2.49	10
d. (E)Junction Box	2.00	18.00	12.00	Flat	1.40	3.00	4.20	20
e. (P) APXVSPP18-C-A20	6.00	11.80	7.00	Flat	1.40	5.90	8.26	57.0
f. (P) 1900 MHz RRH	2.17	14.00	15.00	Flat	1.40	2.71	3.79	100.0
g. (P) 800 MHz RRH	1.64	13.00	15.20	Flat	1.40	2.08	2.91	100.0
h. (P) IBC1900BB-1 Combiner	1.05	9.20	4.40	Flat	1.40	0.81	1.13	22.0
i. (P) IBC1900HG-2A Combiner	1.05	9.20	4.40	Flat	1.40	0.81	1.13	22.0

0.5" Ice

Amount of Radial Ice: 0.50 in

Appurtenance	Length or Diameter (ft)	Width (in)	Depth (in)	Cylindrical (w/ice)	Antenna Ca	Antenna Aa (ft^2)	Antenna CaAa (ft^2)	Antenna Weight (lb)
a. (E) RR90-17-00DP	4.75	9.00	3.80	Cylindrical	0.80	3.56	2.85	46
b. (E) Kathrein 840 10054	3.58	13.70	3.80	Cylindrical	0.80	4.09	3.27	48
c. (E) TMAs (shielded)	1.42	17.00	7.00	Cylindrical	0.80	2.01	1.61	26
d. (E)Junction Box	2.08	19.00	13.00	Cylindrical	0.80	3.30	2.64	52
e. (P) APXVSPP18-C-A20	6.08	12.80	8.00	Cylindrical	0.80	6.49	5.19	107
f. (P) 1900 MHz RRH	2.25	15.00	16.00	Cylindrical	0.80	3.00	2.40	133
g. (P) 800 MHz RRH	1.73	14.00	16.20	Cylindrical	0.80	2.33	1.86	126
h. (P) IBC1900BB-1 Combiner	1.13	10.20	5.40	Cylindrical	0.80	0.96	0.77	30
i. (P) IBC1900HG-2A Combiner	1.13	10.20	5.40	Cylindrical	0.80	0.96	0.77	30

NOTES:
(E) Existing Antennas
(P) Proposed Antennas

Mount Information

Existing Sprint Frame

Mount Center Line:
Manufacturer:
Mount Type: Frame: Member sizes have been estimated

Mount Part	Total Qty	Faces for Weight	Faces for Wind	Flat or Cylindrical?	Length (ft)	Width (in)	Depth (in)	Weight (lb/ft)	CA	Projected Area, Ac (ft^2, no ice)	Projected Area, Ac (ft^2, 0.5" ice)	Volume of Ice (ft^3, 0.5" ice)	No Ice		0.5" Ice	
													CaAc (ft^2)	Total Weight (lb)	CaAc (ft^2)	Total Weight (lb)
a. 2.875" OD Pipe Horizontal (Face)	2	1	1	Cylindrical	15.00	2.88	2.88	5.8	1.20	7.19	9.69	0.55	8.63	174	11.63	236
b. 2.875" OD pipe tieback	1	1	0	Cylindrical	6.00	2.88	2.88	5.8	1.20	0.00	0.00	0.22	0.00	35	0.00	47
c. 3.5" OD Mounting Pipe (Dishes)	1	1	1	Cylindrical	6.00	3.50	3.50	7.58	1.10	1.75	2.25	0.26	1.93	45	2.48	60
d. 2.375" OD Mounting Pipes	3	1	1	Cylindrical	6.00	2.38	2.38	3.66	1.20	3.56	5.06	0.19	4.28	66	6.08	97
e. 2.875" OD Pipe Horizontal (Support)	4	1	1	Cylindrical	4.00	2.88	2.88	5.8	1.02	3.83	5.17	0.15	3.89	93	5.25	126
f. 2.875" OD Pipe Vertical (Support)	6	1	1	Cylindrical	3.00	1.66	1.66	2.27	1.13	2.49	3.99	0.07	2.80	41	4.49	65
g. 2.875" OD Pipe Diagonal (Support)	4	1	1	Cylindrical	4.25	1.66	1.66	2.27	1.20	2.35	3.77	0.10	2.82	39	4.52	61
h. Mounting Hardware	1	1						50					0.00	50	0.00	50
Miscellaneous (add 10%)														54.2		74.2
													24.3	**597**	**34.4**	**816**

Guyed Tower Analysis

Tower Height 143.00 ft.

Loading Information:

Basic Wind Speed 85 mph **Gh=** 1.137

Antennas & Appurtenances:

Item Number	Make and Model	Quantity	z (ft)	Length (ft)	Width or Diameter (in)	Depth (n/a for cylindrical) (in)	Flat or Cylindrical?	Net Weight (each, lb)	CaAa (each, ft^2)	Total Weight (lbs.)	Kz	qz	Total F (lbs.)
1	a. (E) RR90-17-00DP	3	138	See Appurtenance Info spreadsheet				24	4.36	71	1.505	27.836	310
2	b. (E) Kathrein 840 10054	3	138	See Appurtenance Info spreadsheet				24	5.19	71	1.505	27.836	369
3	c. (E) TMAs (shielded)	3	138	See Appurtenance Info spreadsheet				10	2.49	30	1.505	27.836	0
4	d. (E)Junction Box	1	140	See Appurtenance Info spreadsheet				20	4.20	20	1.511	27.951	100
5	e. (P) APXVSPP18-C-A20	3	138	See Appurtenance Info spreadsheet				57	8.26	171	1.505	27.836	588
6	f. (P) 1900 MHz RRH	6	134	See Appurtenance Info spreadsheet				100	3.79	600	1.492	27.603	535
7	g. (P) 800 MHz RRH	3	134	See Appurtenance Info spreadsheet				100	2.91	300	1.492	27.603	206
8	h. (P) IBC1900BB-1 Combiner	3	134	See Appurtenance Info spreadsheet				22	1.13	66	1.492	27.603	80
9	i. (P) IBC1900HG-2A Combiner	3	134	See Appurtenance Info spreadsheet				22	1.13	66	1.492	27.603	80
1	Existing Sprint Frame	3	138	See Mount Info spreadsheet				597	24.35	1790	1.505	27.836	1733
										3184			4000

INPUT VALUES FOR PLS -TOWER PROGRAM

PLS Load Location	Mount/Carrier	Vertical Load Do (LBS)	Lateral Load Wo (LBS)	Height
130	Sprint PCS (Existing and Proposed)	3184	4000	75

Total Load At Elevation

Joint L	Force X	Force Y	Force Ver
140	4000	0	3184

Guyed Tower Analysis

Tower Height 143.00 ft.

Loading Information:

Basic Wind Speed with Ice 73.95 mph **Gh=** 1.137

Thickness of Radial Ice: 0.50 in

Antennas & Appurtenances:

Item Number	Make and Model	Quantity	z (ft)	Length (ft)	Width or Diameter (in)	Depth (n/a for cylindrical) (in)	Flat or Cylindrical?	Weight w/ Ice (each, lb)	CaAa (each, ft^2)	Total Weight (lbs.)	Kz	qz	Total F (lbs.)
1	a. (E) RR90-17-00DP	3	138		See Appurtenance Info spreadsheet			46	2.85	138	1.505	21.069	154
2	b. (E) Kathrein 840 10054	3	138		See Appurtenance Info spreadsheet			48	3.27	143	1.505	21.069	176
3	c. (E) TMAs (shielded)	3	138		See Appurtenance Info spreadsheet			26	1.61	77	1.505	21.069	0
4	d. (E)Junction Box	1	140		See Appurtenance Info spreadsheet			52	2.64	52	1.511	21.156	48
5	e. (P) APXVSPP18-C-A20	3	138		See Appurtenance Info spreadsheet			107	5.19	320	1.505	21.069	280
6	f. (P) 1900 MHz RRH	6	134		See Appurtenance Info spreadsheet			133	2.40	798	1.492	20.893	256
7	g. (P) 800 MHz RRH	3	134		See Appurtenance Info spreadsheet			126	1.86	378	1.492	20.893	100
8	h. (P) IBC1900BB-1 Combiner	3	134		See Appurtenance Info spreadsheet			30	0.77	89	1.492	20.893	41
9	i. (P) IBC1900HG-2A Combiner	3	134		See Appurtenance Info spreadsheet			30	0.77	89	1.492	20.893	41
1	Existing Sprint Frame	3	138		See Mount Info spreadsheet			816	34.44	2449	1.505	21.069	1856
										4534			2951

INPUT VALUES FOR PLS -TOWER PROGRAM

PLS Load Location	Mount/Carrier	Vertical Load Do (LBS)	Lateral Load Wo (LBS)	Height	X	Total Load At Elevation Joint L	Force X	Force Y	Force Ver
130	AT&T (Existing and Proposed)	4534	2951	75		140	2951	0	4534
							2951		4534

SUMMARY RESULTS

Project Name : 6318.CT03XC098-Vance Hall CCSU
Project Notes: 80' Guyed Tower on 63' Rooftop
Project File : G:\Newburgh\Projects\6318-HPC-NY&CT (TN)\03-098\Structural\6318.ct03xc098-toweranalysis.tow
Date run : 12:39:38 PM Saturday, November 10, 2012
by : Tower Version 12.10
Licensed to : Tectonic Engineering

Successfully performed nonlinear analysis

Angle property "CH C12x20.7" has a long leg that is shorter than the short leg. Tension capacity may be calculated incorrectly as a result. ??
Group 'Diag5' is of type crossing diagonal, but crossing diagonal check is disabled in General/General Data. ??
Guy 'Guy1a' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1b' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1c' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1d' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1e' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1f' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
EIA Face solidity ratio (e) for section "1", load case "LC1: DL + WL", is 1.20006. The maximum allowable value of 1 will be used instead of the actual value. ??
Total section wind load (W) for section "1", load case "LC1: DL + WL", is 677.716 (lbs). ??
The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=527.106. Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC2: DL + WL", is 1.20006. The maximum allowable value of 1 will be used instead of the actual value. ??
Total section wind load (W) for section "1", load case "LC2: DL + WL", is 655.835 (lbs). ??
The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=527.106. Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC3: DL + WL", is 1.20006. The maximum allowable value of 1 will be used instead of the actual value. ??
Total section wind load (W) for section "1", load case "LC3: DL + WL", is 648.541 (lbs). ??
The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=527.106. Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC4: DL + WI (Ice)", is 1.90101. The maximum allowable value of 1 will be used instead of the actual value. ??
Total section wind load (W) for section "1", load case "LC4: DL + WI (Ice)", is 826.659 (lbs). ??
The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=398.966. Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC5: DL + WI (Ice)", is 1.90101. The maximum allowable value of 1 will be used instead of the actual value. ??
Total section wind load (W) for section "1", load case "LC5: DL + WI (Ice)", is 810.097 (lbs). ??
The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=398.966. Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC6: DL + WI (Ice)", is 1.90101. The maximum allowable value of 1 will be used instead of the actual value. ??
Total section wind load (W) for section "1", load case "LC6: DL + WI (Ice)", is 804.576 (lbs). ??
The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=398.966. Will use code-specified load. ??
The model has 14 warnings. ??

Member check option: TIA/EIA 222-F
Connection rupture check: Not Checked
Crossing diagonal check: Fixed
Included angle check: None
Climbing load check: None
Redundant members checked with: Actual Force
Loads from file: g:\newburgh\projects\6318-hpc-ny&ct (tn)\03-098\structural\loads.eia

*** Analysis Results:

Maximum element usage is 98.85% for Guy "Guy1c" in load case "LC4: DL + WI (Ice)"

Summary of Joint Support Reactions For All Load Cases:

Load Case	Joint Label	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)	Shear Force (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Vert. Moment (ft-k)	Bending Moment (ft-k)	Found. Usage %
LC1: DL + WL	100P	0.56	-0.23	29.57	0.61	0.00	0.00	0.00	0.00	0.00
LC1: DL + WL	$Gnd1	0.00	0.00	-0.03	0.00	0.00	0.00	0.00	0.00	0.00
LC1: DL + WL	$Gnd3	-6.55	9.77	-12.69	11.76	0.00	0.00	0.00	0.00	0.00
LC1: DL + WL	$Gnd5	-6.30	-9.51	-9.19	11.41	0.00	0.00	0.00	0.00	0.00
LC2: DL + WL	100P	-0.56	-0.46	23.34	0.72	0.00	0.00	0.00	0.00	0.00
LC2: DL + WL	$Gnd1	6.65	-0.38	-5.18	6.66	0.00	0.00	0.00	0.00	0.00
LC2: DL + WL	$Gnd3	-0.05	0.00	-0.09	0.05	0.00	0.00	0.00	0.00	0.00
LC2: DL + WL	$Gnd5	-6.03	-11.44	-10.44	12.93	0.00	0.00	0.00	0.00	0.00
LC3: DL + WL	100P	1.12	-0.92	17.13	1.45	0.00	0.00	0.00	0.00	0.00
LC3: DL + WL	$Gnd1	11.26	0.46	-8.72	11.27	0.00	0.00	0.00	0.00	0.00
LC3: DL + WL	$Gnd3	-0.19	0.59	-0.69	0.62	0.00	0.00	0.00	0.00	0.00
LC3: DL + WL	$Gnd5	0.02	-0.15	-0.12	0.16	0.00	0.00	0.00	0.00	0.00
LC4: DL + WI (Ice)	100P	-0.34	-0.32	38.94	0.46	0.00	0.00	0.00	0.00	0.00
LC4: DL + WI (Ice)	$Gnd1	0.01	0.00	-0.07	0.01	0.00	0.00	0.00	0.00	0.00
LC4: DL + WI (Ice)	$Gnd3	-8.19	11.97	-15.50	14.51	0.00	0.00	0.00	0.00	0.00
LC4: DL + WI (Ice)	$Gnd5	-7.86	-11.60	-11.16	14.01	0.00	0.00	0.00	0.00	0.00
LC5: DL + WI (Ice)	100P	-0.75	-1.68	31.49	1.84	0.00	0.00	0.00	0.00	0.00
LC5: DL + WI (Ice)	$Gnd1	8.27	-0.64	-6.39	8.30	0.00	0.00	0.00	0.00	0.00
LC5: DL + WI (Ice)	$Gnd3	-0.12	0.00	-0.22	0.12	0.00	0.00	0.00	0.00	0.00
LC5: DL + WI (Ice)	$Gnd5	-7.38	-14.14	-12.73	15.95	0.00	0.00	0.00	0.00	0.00
LC6: DL + WI (Ice)	100P	2.56	-1.15	24.18	2.80	0.00	0.00	0.00	0.00	0.00
LC6: DL + WI (Ice)	$Gnd1	13.99	0.52	-10.69	14.00	0.00	0.00	0.00	0.00	0.00
LC6: DL + WI (Ice)	$Gnd3	-0.23	0.97	-1.13	1.00	0.00	0.00	0.00	0.00	0.00
LC6: DL + WI (Ice)	$Gnd5	0.05	-0.40	-0.31	0.40	0.00	0.00	0.00	0.00	0.00

Note: Summary of Joint Support Reactions For All Load Cases in Direction of Leg not printed because none of the angle members attached to foundation joints have a group type of 'Leg'.

EIA Sections Information:

Section Label	Top Z (ft)	Bottom Z (ft)	Joint Count	Member Count	Top Width (ft)	Bottom Width (ft)	Gross Area (ft^2)	Face Af Adjust Factor	Face Ar Adjust Factor	Dead Load Factor
5	80.090	60.060	36	93	3.74	3.74	74.88	1.0000	1.0000	1.050
4	60.060	40.030	33	60	3.74	3.74	74.88	1.0000	1.0000	1.050
3	40.030	20.000	33	60	3.74	3.74	74.88	1.0000	1.0000	1.050
2	20.000	5.000	27	48	3.74	3.74	56.07	1.0000	1.0000	1.050
1	5.000	0.000	16	27	3.74	0.24	9.94	1.0000	1.0000	1.050

*** Overall summary for all load cases - Usage = Maximum Stress / Allowable Stress
Printed capacities do not include EIA allowable stress increase for wind load cases.
Printed capacities do not include the strength factor entered for each load case.
The Group Summary reports on the member and load case that resulted in maximum usage which may not necessarily be the same as that which produces maximum force.

Group Summary (Compression Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Usage Control	Max Use In Comp. %	Comp. Control Member	Comp. Force (kips)	Comp. Control Load Case	L/R Capacity (kips)	Comp. Connect. Shear Capacity (kips)	Comp. Connect. Bearing Capacity (kips)	RLX	RLY	RLZ	L/R	KL/R	Length Comp. Member (ft)	Curve No.	No. Of Bolts Comp.
Leg1	Section1-Leg	HSS HSS	2.875x0.307	50.0	18.16	Comp	18.16	Leg1a2	-17.179LC4:	DL	71.114	0.000	0.000	1.000	1.000	1.000	15.96	15.96	1.216	1	0
Leg2	Section2-Leg	HSS HSS	2.875x0.297	50.0	24.57	Comp	24.57	Leg2g1	-21.242LC5:	DL	65.004	0.000	0.000	1.000	1.000	1.000	31.00	31.00	2.370	1	0
Leg3	Section3-Leg	HSS HSS	2.875x0.200	50.0	35.72	Comp	35.72	Leg3b1	-21.638LC5:	DL	45.541	0.000	0.000	1.000	1.000	1.000	30.49	30.49	2.410	1	0
Leg4	Section4-Leg	HSS HSS	2.875x0.200	50.0	51.40	Comp	51.40	Leg4iP	-31.131LC4:	DL	45.541	0.000	0.000	1.000	1.000	1.000	30.49	30.49	2.410	1	0
Leg5	Section5-Leg	HSS HSS	2.875x0.312	50.0	39.56	Comp	39.56	Leg5bP	-35.606LC4:	DL	67.679	0.000	0.000	1.000	1.000	1.000	31.68	31.68	2.410	1	0
Horz1	Section1-Horz	SAE	L4x4x1/4	36.0	4.35	Tens	1.49	Horz1c1	-0.656LC4:	DL	33.016	0.000	0.000	1.000	1.000	1.000	36.10	36.10	2.356	1	0
Horz2	Section2-Horz	HSS	HSS 1.5x0.075	42.0	17.80	Tens	4.44	Horz2bP	-0.329LC4:	DL	5.573	0.000	0.000	1.000	1.000	1.000	83.22	83.22	3.499	1	0
Horz3	Section3-Horz	HSS	HSS 1.5x0.075	42.0	9.50	Comp	9.50	Horz3bP	-0.704LC6:	DL	5.573	0.000	0.000	1.000	1.000	1.000	83.22	83.22	3.499	1	0
Horz4	Section4-Horz	HSS	HSS 1.5x0.075	42.0	23.36	Comp	23.36	Horz4bP	-1.731LC6:	DL	5.573	0.000	0.000	1.000	1.000	1.000	83.22	83.22	3.499	1	0
Horz5	Section5-Horz	HSS	HSS 1.5x0.075	42.0	6.82	Tens	4.13	Horz5a1	-0.306LC6:	DL	5.573	0.000	0.000	1.000	1.000	1.000	83.22	83.22	3.499	1	0
Horz5b	Section5-Horzb	DAE	2L2x2x1/4	36.0	21.98	Comp	21.98	Horz5b1	-6.561LC4:	DL	22.443	0.000	0.000	1.000	1.000	1.000	108.49	108.49	3.499	1	0
Diag2	Section2-Diag	HSS	HSS 1.5x0.075	42.0	28.40	Comp	28.40	Diag2b1	-1.757LC5:	DL	4.651	0.000	0.000	1.000	1.000	1.000	100.52	100.52	4.226	1	0
Diag3	Section3-Diag	HSS	HSS 1.5x0.075	42.0	29.62	Comp	29.62	Diag3hP	-1.820LC4:	DL	4.620	0.000	0.000	1.000	1.000	1.000	101.05	101.05	4.248	1	0
Diag4	Section4-Diag	HSS	HSS 1.5x0.075	42.0	68.37	Comp	68.37	Diag4hP	-4.201LC4:	DL	4.620	0.000	0.000	1.000	1.000	1.000	101.05	101.05	4.248	1	0
Diag5	Section5-Diag	HSS	HSS 1.5x0.075	42.0	43.10	Comp	43.10	Diag5a2	-3.404LC4:	DL	5.938	0.000	0.000	0.750	0.500	0.500	75.79	75.79	4.248	1	0
TA1	TorqueArm1	CH	C12x20.7	36.0	6.29	Tens	2.52	TA1aP	-1.828LC5:	DL	54.422	0.000	0.000	1.000	1.000	1.000	52.68	52.68	3.499	1	0

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Usage Control	Max Use In Tens. %	Tension Control Member	Tension Force (kips)	Tension Control Load Case	Net Section Capacity (kips)	Tension Connect. Shear Capacity (kips)	Tension Connect. Bearing Capacity (kips)	Tension Connect. Rupture Capacity (kips)	Length Tens. Member (ft)	No. Of Bolts Tens.	No. Of Holes	Hole Diameter (in)
Leg1	Section1-Leg	HSS HSS	2.875x0.307	50.0	18.16	Comp	0.00	Leg1e2	0.000		74.310	0.000	0.000	0.000	0.539	0	0.000	0
Leg2	Section2-Leg	HSS HSS	2.875x0.297	50.0	24.57	Comp	2.01	Leg2h2	1.932LC5:	DL	72.150	0.000	0.000	0.000	0.500	0	0.000	0
Leg3	Section3-Leg	HSS HSS	2.875x0.200	50.0	35.72	Comp	3.06	Leg3b2	2.055LC5:	DL	50.430	0.000	0.000	0.000	2.410	0	0.000	0
Leg4	Section4-Leg	HSS HSS	2.875x0.200	50.0	51.40	Comp	26.64	Leg4jP	17.866LC3:	DL	50.430	0.000	0.000	0.000	0.500	0	0.000	0
Leg5	Section5-Leg	HSS HSS	2.875x0.312	50.0	39.56	Comp	19.98	Leg5bP	20.025LC3:	DL	75.360	0.000	0.000	0.000	2.410	0	0.000	0
Horz1	Section1-Horz	SAE	L4x4x1/4	36.0	4.35	Tens	4.35	Horz1d1	2.427LC4:	DL	41.904	0.000	0.000	0.000	3.152	0	0.000	0
Horz2	Section2-Horz	HSS	HSS 1.5x0.075	42.0	17.80	Tens	17.80	Horz2aP	2.005LC4:	DL	8.467	0.000	0.000	0.000	3.499	0	0.000	0
Horz3	Section3-Horz	HSS	HSS 1.5x0.075	42.0	9.50	Comp	6.84	Horz3bP	0.771LC4:	DL	8.467	0.000	0.000	0.000	3.499	0	0.000	0
Horz4	Section4-Horz	HSS	HSS 1.5x0.075	42.0	23.36	Comp	17.57	Horz4bP	1.979LC4:	DL	8.467	0.000	0.000	0.000	3.499	0	0.000	0
Horz5	Section5-Horz	HSS	HSS 1.5x0.075	42.0	6.82	Tens	6.82	Horz5aP	0.768LC5:	DL	8.467	0.000	0.000	0.000	3.499	0	0.000	0
Horz5b	Section5-Horzb	DAE	2L2x2x1/4	36.0	21.98	Comp	7.99	Horz5b1	4.340LC6:	DL	40.824	0.000	0.000	0.000	3.499	0	0.000	0
Diag2	Section2-Diag	HSS	HSS 1.5x0.075	42.0	28.40	Comp	17.33	Diag2a1	1.951LC5:	DL	8.467	0.000	0.000	0.000	4.232	0	0.000	0
Diag3	Section3-Diag	HSS	HSS 1.5x0.075	42.0	29.62	Comp	16.03	Diag3h1	1.805LC5:	DL	8.467	0.000	0.000	0.000	4.248	0	0.000	0
Diag4	Section4-Diag	HSS	HSS 1.5x0.075	42.0	68.37	Comp	37.34	Diag4h1	4.205LC5:	DL	8.467	0.000	0.000	0.000	4.248	0	0.000	0
Diag5	Section5-Diag	HSS	HSS 1.5x0.075	42.0	43.10	Comp	22.65	Diag5a2	2.551LC6:	DL	8.467	0.000	0.000	0.000	4.248	0	0.000	0
TA1	TorqueArm1	CH	C12x20.7	36.0	6.29	Tens	6.29	TA1b2	10.979LC4:	DL	131.328	0.000	0.000	0.000	3.499	0	0.000	0

Summary of Guy Usages:

Guy	Maximum	Load Case	Weight	Unstressed

Label	Usage %		(lbs)	Length (ft)
Guy1a	82.63	LC6: DL + WI (Ice)	40.7	101.97
Guy1b	81.36	LC6: DL + WI (Ice)	40.7	101.97
Guy1c	98.85	LC4: DL + WI (Ice)	34.0	85.11
Guy1d	98.58	LC4: DL + WI (Ice)	34.0	85.12
Guy1e	92.63	LC5: DL + WI (Ice)	39.6	99.37
Guy1f	97.25	LC5: DL + WI (Ice)	39.6	99.37

*** Maximum Stress Summary for Each Load Case

Summary of Maximum Usages by Load Case:

Load Case	Maximum Usage %	Element Label	Element Type
LC1: DL + WL	81.30	Guy1d	Guy
LC2: DL + WL	80.26	Guy1f	Guy
LC3: DL + WL	66.39	Guy1a	Guy
LC4: DL + WI (Ice)	98.85	Guy1c	Guy
LC5: DL + WI (Ice)	97.25	Guy1f	Guy
LC6: DL + WI (Ice)	82.63	Guy1a	Guy

Summary of Guy Usages by Load Case:

Load Case	Maximum Usage %	Guy Label
LC1: DL + WL	81.30	Guy1d
LC2: DL + WL	80.26	Guy1f
LC3: DL + WL	66.39	Guy1a
LC4: DL + WI (Ice)	98.85	Guy1c
LC5: DL + WI (Ice)	97.25	Guy1f
LC6: DL + WI (Ice)	82.63	Guy1a

*** Weight of structure (lbs):

Weight of Guys:	228.6
Weight of Angles*Section DLF:	3155.6
Weight of Equipment:	225.0
Total:	3609.2

*** End of Report

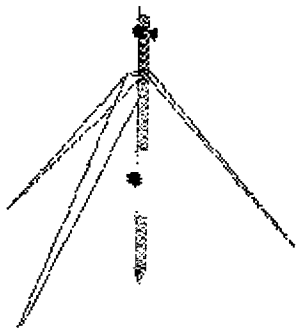
DETAILED RESULTS

```
*****************************************************************************
*                                                                           *
* TOWER - Analysis and Design -  Copyright Power Line Systems, Inc. 1986-2011 *
*                                                                           *
*****************************************************************************

Project Name : 6318.CT03XC098-Vance Hall CCSU
Project Notes: 80' Guyed Tower on 63' Rooftop
Project File : G:\Newburgh\Projects\6318-HPC-NY&CT (TN)\03-098\Structural\6318.ct03xc098-toweranalysis.tow
Date run     : 12:39:37 PM Saturday, November 10, 2012
by           : Tower Version 12.10
Licensed to  : Tectonic Engineering

Successfully performed nonlinear analysis

Angle property "CH C12x20.7" has a long leg that is shorter than the short leg.  Tension capacity may be calculated incorrectly as a result. ??
Group 'Diag5' is of type crossing diagonal, but crossing diagonal check is disabled in General/General Data. ??
Guy 'Guy1a' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1b' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1c' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1d' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1e' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
Guy 'Guy1f' at elevation 62.7 (ft) does not lie on a section boundary (we recommend placing sections at each guy elevation to insure compliance with TIA/EIA 222-F 2.3.9.1). ??
EIA Face solidity ratio (e) for section "1", load case "LC1: DL + WL", is 1.20006.  The maximum allowable value of 1 will be used instead of the actual value.  ??
       Total section wind load (W) for section "1", load case "LC1: DL + WL", is 677.716 (lbs).  ??
       The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=527.106.  Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC2: DL + WL", is 1.20006.  The maximum allowable value of 1 will be used instead of the actual value.  ??
       Total section wind load (W) for section "1", load case "LC2: DL + WL", is 655.835 (lbs).  ??
       The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=527.106.  Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC3: DL + WL", is 1.20006.  The maximum allowable value of 1 will be used instead of the actual value.  ??
       Total section wind load (W) for section "1", load case "LC3: DL + WL", is 648.541 (lbs).  ??
       The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=527.106.  Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC4: DL + WI (Ice)", is 1.90101.  The maximum allowable value of 1 will be used instead of the actual value.  ??
       Total section wind load (W) for section "1", load case "LC4: DL + WI (Ice)", is 826.659 (lbs).  ??
       The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=398.966.  Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC5: DL + WI (Ice)", is 1.90101.  The maximum allowable value of 1 will be used instead of the actual value.  ??
       Total section wind load (W) for section "1", load case "LC5: DL + WI (Ice)", is 810.097 (lbs).  ??
       The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=398.966.  Will use code-specified load. ??
EIA Face solidity ratio (e) for section "1", load case "LC6: DL + WI (Ice)", is 1.90101.  The maximum allowable value of 1 will be used instead of the actual value.  ??
       Total section wind load (W) for section "1", load case "LC6: DL + WI (Ice)", is 804.576 (lbs).  ??
       The maximum allowable value as per TIA/EIA 222-F Section 2.3.2 is Wmax=2*qz*Gh*AG*WindLoadFactor=398.966.  Will use code-specified load. ??
The model has 14 warnings.  ??
```



```
Nonlinear convergence parameters: Use Standard Parameters
Member check option: TIA/EIA 222-F
Connection rupture check: Not Checked
Crossing diagonal check: Fixed
Included angle check: None
Climbing load check: None
```

Redundant members checked with: Actual Force

Joints Geometry:

Joint Label	Symmetry Code	X Coord. (ft)	Y Coord. (ft)	Z Coord. (ft)	X Disp. Rest.	Y Disp. Rest.	Z Disp. Rest.	X Rot. Rest.	Y Rot. Rest.	Z Rot. Rest.
100P	None	0	0	0	Fixed	Fixed	Fixed	Free	Free	Free
101P	Tri-Symmetry	0.45	0	1.13	Free	Free	Free	Free	Free	Free
102P	Tri-Symmetry	0.91	0	2.25	Free	Free	Free	Free	Free	Free
103P	Tri-Symmetry	1.36	0	3.38	Free	Free	Free	Free	Free	Free
104P	Tri-Symmetry	1.82	0	4.5	Free	Free	Free	Free	Free	Free
105P	Tri-Symmetry	2.02	0	5	Free	Free	Free	Free	Free	Free
106P	Tri-Symmetry	2.02	0	5.25	Free	Free	Free	Free	Free	Free
107P	Tri-Symmetry	2.02	0	7.63	Free	Free	Free	Free	Free	Free
108P	Tri-Symmetry	2.02	0	10	Free	Free	Free	Free	Free	Free
109P	Tri-Symmetry	2.02	0	12.38	Free	Free	Free	Free	Free	Free
110P	Tri-Symmetry	2.02	0	14.75	Free	Free	Free	Free	Free	Free
111P	Tri-Symmetry	2.02	0	17.13	Free	Free	Free	Free	Free	Free
112P	Tri-Symmetry	2.02	0	19.5	Free	Free	Free	Free	Free	Free
113P	Tri-Symmetry	2.02	0	20	Free	Free	Free	Free	Free	Free
114P	Tri-Symmetry	2.02	0	20.25	Free	Free	Free	Free	Free	Free
115P	Tri-Symmetry	2.02	0	22.66	Free	Free	Free	Free	Free	Free
116P	Tri-Symmetry	2.02	0	25.07	Free	Free	Free	Free	Free	Free
117P	Tri-Symmetry	2.02	0	27.48	Free	Free	Free	Free	Free	Free
118P	Tri-Symmetry	2.02	0	29.89	Free	Free	Free	Free	Free	Free
119P	Tri-Symmetry	2.02	0	32.3	Free	Free	Free	Free	Free	Free
120P	Tri-Symmetry	2.02	0	34.71	Free	Free	Free	Free	Free	Free
121P	Tri-Symmetry	2.02	0	37.12	Free	Free	Free	Free	Free	Free
122P	Tri-Symmetry	2.02	0	39.53	Free	Free	Free	Free	Free	Free
123P	Tri-Symmetry	2.02	0	40.03	Free	Free	Free	Free	Free	Free
124P	Tri-Symmetry	2.02	0	40.28	Free	Free	Free	Free	Free	Free
125P	Tri-Symmetry	2.02	0	42.69	Free	Free	Free	Free	Free	Free
126P	Tri-Symmetry	2.02	0	45.1	Free	Free	Free	Free	Free	Free
127P	Tri-Symmetry	2.02	0	47.51	Free	Free	Free	Free	Free	Free
128P	Tri-Symmetry	2.02	0	49.92	Free	Free	Free	Free	Free	Free
129P	Tri-Symmetry	2.02	0	52.33	Free	Free	Free	Free	Free	Free
130P	Tri-Symmetry	2.02	0	54.74	Free	Free	Free	Free	Free	Free
131P	Tri-Symmetry	2.02	0	57.15	Free	Free	Free	Free	Free	Free
132P	Tri-Symmetry	2.02	0	59.56	Free	Free	Free	Free	Free	Free
133P	Tri-Symmetry	2.02	0	60.06	Free	Free	Free	Free	Free	Free
134P	Tri-Symmetry	2.02	0	60.31	Free	Free	Free	Free	Free	Free
135P	Tri-Symmetry	2.02	0	62.72	Free	Free	Free	Free	Free	Free
136P	Tri-Symmetry	2.02	0	65.13	Free	Free	Free	Free	Free	Free
137P	Tri-Symmetry	2.02	0	67.54	Free	Free	Free	Free	Free	Free
138P	Tri-Symmetry	2.02	0	69.95	Free	Free	Free	Free	Free	Free
139P	Tri-Symmetry	2.02	0	72.36	Free	Free	Free	Free	Free	Free
140P	Tri-Symmetry	2.02	0	74.77	Free	Free	Free	Free	Free	Free
141P	Tri-Symmetry	2.02	0	77.18	Free	Free	Free	Free	Free	Free
142P	Tri-Symmetry	2.02	0	79.59	Free	Free	Free	Free	Free	Free
143P	Tri-Symmetry	2.02	0	80.09	Free	Free	Free	Free	Free	Free
200P	Tri-Symmetry	-4.04	0	62.72	Free	Free	Free	Free	Free	Free
1011	Tri-Gen 1	-0.225	-0.3897	1.13	Free	Free	Free	Free	Free	Free
1012	Tri-Gen 2	-0.225	0.3897	1.13	Free	Free	Free	Free	Free	Free
1021	Tri-Gen 1	-0.455	-0.7881	2.25	Free	Free	Free	Free	Free	Free
1022	Tri-Gen 2	-0.455	0.7881	2.25	Free	Free	Free	Free	Free	Free
1031	Tri-Gen 1	-0.68	-1.178	3.38	Free	Free	Free	Free	Free	Free
1032	Tri-Gen 2	-0.68	1.178	3.38	Free	Free	Free	Free	Free	Free
1041	Tri-Gen 1	-0.91	-1.576	4.5	Free	Free	Free	Free	Free	Free
1042	Tri-Gen 2	-0.91	1.576	4.5	Free	Free	Free	Free	Free	Free
1051	Tri-Gen 1	-1.01	-1.749	5	Free	Free	Free	Free	Free	Free
1052	Tri-Gen 2	-1.01	1.749	5	Free	Free	Free	Free	Free	Free
1061	Tri-Gen 1	-1.01	-1.749	5.25	Free	Free	Free	Free	Free	Free
1062	Tri-Gen 2	-1.01	1.749	5.25	Free	Free	Free	Free	Free	Free
1071	Tri-Gen 1	-1.01	-1.749	7.63	Free	Free	Free	Free	Free	Free
1072	Tri-Gen 2	-1.01	1.749	7.63	Free	Free	Free	Free	Free	Free
1081	Tri-Gen 1	-1.01	-1.749	10	Free	Free	Free	Free	Free	Free
1082	Tri-Gen 2	-1.01	1.749	10	Free	Free	Free	Free	Free	Free
1091	Tri-Gen 1	-1.01	-1.749	12.38	Free	Free	Free	Free	Free	Free
1092	Tri-Gen 2	-1.01	1.749	12.38	Free	Free	Free	Free	Free	Free
1101	Tri-Gen 1	-1.01	-1.749	14.75	Free	Free	Free	Free	Free	Free
1102	Tri-Gen 2	-1.01	1.749	14.75	Free	Free	Free	Free	Free	Free
1111	Tri-Gen 1	-1.01	-1.749	17.13	Free	Free	Free	Free	Free	Free
1112	Tri-Gen 2	-1.01	1.749	17.13	Free	Free	Free	Free	Free	Free
1121	Tri-Gen 1	-1.01	-1.749	19.5	Free	Free	Free	Free	Free	Free
1122	Tri-Gen 2	-1.01	1.749	19.5	Free	Free	Free	Free	Free	Free
1131	Tri-Gen 1	-1.01	-1.749	20	Free	Free	Free	Free	Free	Free
1132	Tri-Gen 2	-1.01	1.749	20	Free	Free	Free	Free	Free	Free
1141	Tri-Gen 1	-1.01	-1.749	20.25	Free	Free	Free	Free	Free	Free
1142	Tri-Gen 2	-1.01	1.749	20.25	Free	Free	Free	Free	Free	Free
1151	Tri-Gen 1	-1.01	-1.749	22.66	Free	Free	Free	Free	Free	Free

1152	Tri-Gen 2	-1.01	1.749	22.66	Free	Free	Free	Free	Free	Free
1161	Tri-Gen 1	-1.01	-1.749	25.07	Free	Free	Free	Free	Free	Free
1162	Tri-Gen 2	-1.01	1.749	25.07	Free	Free	Free	Free	Free	Free
1171	Tri-Gen 1	-1.01	-1.749	27.48	Free	Free	Free	Free	Free	Free
1172	Tri-Gen 2	-1.01	1.749	27.48	Free	Free	Free	Free	Free	Free
1181	Tri-Gen 1	-1.01	-1.749	29.89	Free	Free	Free	Free	Free	Free
1182	Tri-Gen 2	-1.01	1.749	29.89	Free	Free	Free	Free	Free	Free
1191	Tri-Gen 1	-1.01	-1.749	32.3	Free	Free	Free	Free	Free	Free
1192	Tri-Gen 2	-1.01	1.749	32.3	Free	Free	Free	Free	Free	Free
1201	Tri-Gen 1	-1.01	-1.749	34.71	Free	Free	Free	Free	Free	Free
1202	Tri-Gen 2	-1.01	1.749	34.71	Free	Free	Free	Free	Free	Free
1211	Tri-Gen 1	-1.01	-1.749	37.12	Free	Free	Free	Free	Free	Free
1212	Tri-Gen 2	-1.01	1.749	37.12	Free	Free	Free	Free	Free	Free
1221	Tri-Gen 1	-1.01	-1.749	39.53	Free	Free	Free	Free	Free	Free
1222	Tri-Gen 2	-1.01	1.749	39.53	Free	Free	Free	Free	Free	Free
1231	Tri-Gen 1	-1.01	-1.749	40.03	Free	Free	Free	Free	Free	Free
1232	Tri-Gen 2	-1.01	1.749	40.03	Free	Free	Free	Free	Free	Free
1241	Tri-Gen 1	-1.01	-1.749	40.28	Free	Free	Free	Free	Free	Free
1242	Tri-Gen 2	-1.01	1.749	40.28	Free	Free	Free	Free	Free	Free
1251	Tri-Gen 1	-1.01	-1.749	42.69	Free	Free	Free	Free	Free	Free
1252	Tri-Gen 2	-1.01	1.749	42.69	Free	Free	Free	Free	Free	Free
1261	Tri-Gen 1	-1.01	-1.749	45.1	Free	Free	Free	Free	Free	Free
1262	Tri-Gen 2	-1.01	1.749	45.1	Free	Free	Free	Free	Free	Free
1271	Tri-Gen 1	-1.01	-1.749	47.51	Free	Free	Free	Free	Free	Free
1272	Tri-Gen 2	-1.01	1.749	47.51	Free	Free	Free	Free	Free	Free
1281	Tri-Gen 1	-1.01	-1.749	49.92	Free	Free	Free	Free	Free	Free
1282	Tri-Gen 2	-1.01	1.749	49.92	Free	Free	Free	Free	Free	Free
1291	Tri-Gen 1	-1.01	-1.749	52.33	Free	Free	Free	Free	Free	Free
1292	Tri-Gen 2	-1.01	1.749	52.33	Free	Free	Free	Free	Free	Free
1301	Tri-Gen 1	-1.01	-1.749	54.74	Free	Free	Free	Free	Free	Free
1302	Tri-Gen 2	-1.01	1.749	54.74	Free	Free	Free	Free	Free	Free
1311	Tri-Gen 1	-1.01	-1.749	57.15	Free	Free	Free	Free	Free	Free
1312	Tri-Gen 2	-1.01	1.749	57.15	Free	Free	Free	Free	Free	Free
1321	Tri-Gen 1	-1.01	-1.749	59.56	Free	Free	Free	Free	Free	Free
1322	Tri-Gen 2	-1.01	1.749	59.56	Free	Free	Free	Free	Free	Free
1331	Tri-Gen 1	-1.01	-1.749	60.06	Free	Free	Free	Free	Free	Free
1332	Tri-Gen 2	-1.01	1.749	60.06	Free	Free	Free	Free	Free	Free
1341	Tri-Gen 1	-1.01	-1.749	60.31	Free	Free	Free	Free	Free	Free
1342	Tri-Gen 2	-1.01	1.749	60.31	Free	Free	Free	Free	Free	Free
1351	Tri-Gen 1	-1.01	-1.749	62.72	Free	Free	Free	Free	Free	Free
1352	Tri-Gen 2	-1.01	1.749	62.72	Free	Free	Free	Free	Free	Free
1361	Tri-Gen 1	-1.01	-1.749	65.13	Free	Free	Free	Free	Free	Free
1362	Tri-Gen 2	-1.01	1.749	65.13	Free	Free	Free	Free	Free	Free
1371	Tri-Gen 1	-1.01	-1.749	67.54	Free	Free	Free	Free	Free	Free
1372	Tri-Gen 2	-1.01	1.749	67.54	Free	Free	Free	Free	Free	Free
1381	Tri-Gen 1	-1.01	-1.749	69.95	Free	Free	Free	Free	Free	Free
1382	Tri-Gen 2	-1.01	1.749	69.95	Free	Free	Free	Free	Free	Free
1391	Tri-Gen 1	-1.01	-1.749	72.36	Free	Free	Free	Free	Free	Free
1392	Tri-Gen 2	-1.01	1.749	72.36	Free	Free	Free	Free	Free	Free
1401	Tri-Gen 1	-1.01	-1.749	74.77	Free	Free	Free	Free	Free	Free
1402	Tri-Gen 2	-1.01	1.749	74.77	Free	Free	Free	Free	Free	Free
1411	Tri-Gen 1	-1.01	-1.749	77.18	Free	Free	Free	Free	Free	Free
1412	Tri-Gen 2	-1.01	1.749	77.18	Free	Free	Free	Free	Free	Free
1421	Tri-Gen 1	-1.01	-1.749	79.59	Free	Free	Free	Free	Free	Free
1422	Tri-Gen 2	-1.01	1.749	79.59	Free	Free	Free	Free	Free	Free
1431	Tri-Gen 1	-1.01	-1.749	80.09	Free	Free	Free	Free	Free	Free
1432	Tri-Gen 2	-1.01	1.749	80.09	Free	Free	Free	Free	Free	Free
2001	Tri-Gen 1	2.02	3.499	62.72	Free	Free	Free	Free	Free	Free
2002	Tri-Gen 2	2.02	-3.499	62.72	Free	Free	Free	Free	Free	Free

The model contains 133 primary and 0 secondary joints for a total of 133 joints.

Steel Material Properties:

Steel Material Label	Modulus of Elasticity (ksi)	Yield Stress Fy (ksi)	Ultimate Stress Fu (ksi)	Member Stress All. Hyp. 1 (ksi)	Member Stress All. Hyp. 2 (ksi)	Member Rupture Hyp. 1 (ksi)	Member Rupture Hyp. 2 (ksi)	Member Bearing Hyp. 1 (ksi)	Member Bearing Hyp. 2 (ksi)
A 36	2.9e+004	36	58	0	0	0	0	0	0
A572-50	2.9e+004	50	65	0	0	0	0	0	0
A500-42	2.9e+004	42	58	0	0	0	0	0	0

Angle Properties:

Angle Type	Angle Size	Long Leg (in)	Short Leg (in)	Thick. (in)	Unit Weight (lbs/ft)	Gross Area (in^2)	w/t Ratio	Radius of Gyration Rx (in)	Radius of Gyration Ry (in)	Radius of Gyration Rz (in)	Number of Angles	Wind Width (in)	Short Edge Dist. (in)	Long Edge Dist. (in)	Optimize Cost Factor	Section Modulus (in^3)
HSS	HSS 2.875x0.307	2.875	2.261	0	8.4	2.477	1	0.9144	0.9144	0.9144	1	2.875	0	0	0.0000	0

HSS	HSS 2.875x0.297	2.875	2.281	0	8.2	2.405	1	0.9175	0.9175	0.9175	1	2.875	0	0	0.0000	0
HSS	HSS 2.875x0.200	2.875	2.475	0	5.7	1.681	1	0.9484	0.9484	0.9484	1	2.875	0	0	0.0000	0
HSS	HSS 2.875x0.312	2.875	2.251	0	8.5	2.512	1	0.9128	0.9128	0.9128	1	2.875	0	0	0.0000	0
HSS	HSS 1.5x0.075	1.5	1.35	0	1.14	0.336	1	0.5045	0.5045	0.5045	1	1.5	0	0	0.0000	0
SAE	L4x4x1/4	4	4	0.25	6.6	1.94	16	1.25	1.25	0.783	1	4	0	0	0.0000	0
DAE	2L2x2x1/4	2	2	0.25	6.38	1.89	8	0.982	0.605	0.387	2	4	0	0	0.0000	0
CH	C12x20.7	2.94	12	0.501	20.7	6.08	24	4.61	0.797	0.797	1	12	0	0	0.0000	0

Angle Groups:

Group Label	Group Description	Angle Type	Angle Size	Material Type	Element Type	Group Type	Optimize Group	Allow. Add. Angle Width For Optimize (in)
Leg1	Section1-Leg	HSS	HSS 2.875x0.307	A572-50	Beam	Leg	None	0.000
Leg2	Section2-Leg	HSS	HSS 2.875x0.297	A572-50	Beam	Leg	None	0.000
Leg3	Section3-Leg	HSS	HSS 2.875x0.200	A572-50	Beam	Leg	None	0.000
Leg4	Section4-Leg	HSS	HSS 2.875x0.200	A572-50	Beam	Leg	None	0.000
Leg5	Section5-Leg	HSS	HSS 2.875x0.312	A572-50	Beam	Leg	None	0.000
Horz1	Section1-Horz	SAE	L4x4x1/4	A 36	Truss	Other	None	0.000
Horz2	Section2-Horz	HSS	HSS 1.5x0.075	A500-42	Truss	Other	None	0.000
Horz3	Section3-Horz	HSS	HSS 1.5x0.075	A500-42	Truss	Other	None	0.000
Horz4	Section4-Horz	HSS	HSS 1.5x0.075	A500-42	Truss	Other	None	0.000
Horz5	Section5-Horz	HSS	HSS 1.5x0.075	A500-42	Truss	Other	None	0.000
Horz5b	Section5-Horzb	DAE	2L2x2x1/4	A 36	Truss	Other	None	0.000
Diag2	Section2-Diag	HSS	HSS 1.5x0.075	A500-42	Truss	Other	None	0.000
Diag3	Section3-Diag	HSS	HSS 1.5x0.075	A500-42	Truss	Other	None	0.000
Diag4	Section4-Diag	HSS	HSS 1.5x0.075	A500-42	Truss	Other	None	0.000
Diag5	Section5-Diag	HSS	HSS 1.5x0.075	A500-42	Truss	Crossing Diagonal	None	0.000
TA1	TorqueArm1	CH	C12x20.7	A 36	Truss	Other	None	0.000

Aggregate Angle Information:

Note: Estimate of surface area reported for painting purposes, not wind loading.

Angle Type	Angle Size	Material Type	Total Length (ft)	Total Surface Area (ft^2)	Total Weight (lbs)
HSS	HSS 2.875x0.307	A572-50	16.18	13.85	135.90
HSS	HSS 2.875x0.297	A572-50	45.00	38.67	369.00
HSS	HSS 2.875x0.200	A572-50	120.18	107.16	685.03
HSS	HSS 2.875x0.312	A572-50	60.09	51.34	510.77
SAE	L4x4x1/4	A 36	23.59	31.45	155.70
HSS	HSS 1.5x0.075	A500-42	567.94	269.77	647.45
DAE	2L2x2x1/4	A 36	10.50	7.00	66.97
CH	C12x20.7	A 36	20.99	52.27	434.54

Sections:
The adjustment factors below only apply to dead load and wind areas that are calculated for members in the model.
They do not apply to equipment or to manually input dead load and drag areas.

Section Label	Joint Defining Section Bottom	Dead Load Adjust. Factor	Transverse Drag x Area Factor For Face	Longitudinal Drag x Area Factor For Face	Transverse Area Factor (CD From Code)	Longitudinal Area Factor (CD From Code)	Af Flat Factor For EIA	Ar Round Factor For EIA	Transverse Drag x Area Factor For All	Longitudinal Drag x Area Factor For All	SAPS Angle Drag x Area Factor	SAPS Round Drag x Area Factor	Force Solid Face
5	133P	1.050	0.000	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.000	None
4	123P	1.050	0.000	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.000	None
3	113P	1.050	0.000	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.000	None
2	105P	1.050	0.000	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.000	None
1	100P	1.050	0.000	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.000	None

Angle Member Connectivity:

Member Label	Group Label	Section Label	Symmetry Code	Origin Joint	End Joint	Ecc. Code	Rest. Code	Ratio RLX	Ratio RLY	Ratio RLZ	Bolt Type	# Bolts	# Bolt Holes	# Shear Planes	Connect Leg	Short Edge Dist. (in)	Long Edge Dist. (in)	End Dist. (in)	Bolt Spacing (in)	Rest. Coef.
Leg1aP	Leg1		Tri-Symmetry	100P	101P	1	4	1	1	1		0	0	0		0	0	0	0	0
Leg1a1	Leg1		Tri-Gen 1	100P	1011	1	4	1	1	1		0	0	0		0	0	0	0	0
Leg1a2	Leg1		Tri-Gen 2	100P	1012	1	4	1	1	1		0	0	0		0	0	0	0	0
Leg1bP	Leg1		Tri-Symmetry	101P	102P	1	4	1	1	1		0	0	0		0	0	0	0	0
Leg1b1	Leg1		Tri-Gen 1	1011	1021	1	4	1	1	1		0	0	0		0	0	0	0	0
Leg1b2	Leg1		Tri-Gen 2	1012	1022	1	4	1	1	1		0	0	0		0	0	0	0	0
Leg1cP	Leg1		Tri-Symmetry	102P	103P	1	4	1	1	1		0	0	0		0	0	0	0	0
Leg1c1	Leg1		Tri-Gen 1	1021	1031	1	4	1	1	1		0	0	0		0	0	0	0	0

Leg1c2	Leg1	Tri-Gen 2	1022	1032	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg1dP	Leg1	Tri-Symmetry	103P	104P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg1d1	Leg1	Tri-Gen 1	1031	1041	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg1d2	Leg1	Tri-Gen 2	1032	1042	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg1eP	Leg1	Tri-Symmetry	104P	105P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg1e1	Leg1	Tri-Gen 1	1041	1051	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg1e2	Leg1	Tri-Gen 2	1042	1052	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2aP	Leg2	Tri-Symmetry	105P	106P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2a1	Leg2	Tri-Gen 1	1051	1061	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2a2	Leg2	Tri-Gen 2	1052	1062	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2bP	Leg2	Tri-Symmetry	106P	107P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2b1	Leg2	Tri-Gen 1	1061	1071	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2b2	Leg2	Tri-Gen 2	1062	1072	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2cP	Leg2	Tri-Symmetry	107P	108P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2c1	Leg2	Tri-Gen 1	1071	1081	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2c2	Leg2	Tri-Gen 2	1072	1082	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2dP	Leg2	Tri-Symmetry	108P	109P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2d1	Leg2	Tri-Gen 1	1081	1091	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2d2	Leg2	Tri-Gen 2	1082	1092	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2eP	Leg2	Tri-Symmetry	109P	110P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2e1	Leg2	Tri-Gen 1	1091	1101	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2e2	Leg2	Tri-Gen 2	1092	1102	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2fP	Leg2	Tri-Symmetry	110P	111P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2f1	Leg2	Tri-Gen 1	1101	1111	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2f2	Leg2	Tri-Gen 2	1102	1112	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2gP	Leg2	Tri-Symmetry	111P	112P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2g1	Leg2	Tri-Gen 1	1111	1121	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2g2	Leg2	Tri-Gen 2	1112	1122	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2hP	Leg2	Tri-Symmetry	112P	113P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2h1	Leg2	Tri-Gen 1	1121	1131	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg2h2	Leg2	Tri-Gen 2	1122	1132	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3aP	Leg3	Tri-Symmetry	113P	114P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3a1	Leg3	Tri-Gen 1	1131	1141	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3a2	Leg3	Tri-Gen 2	1132	1142	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3bP	Leg3	Tri-Symmetry	114P	115P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3b1	Leg3	Tri-Gen 1	1141	1151	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3b2	Leg3	Tri-Gen 2	1142	1152	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3cP	Leg3	Tri-Symmetry	115P	116P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3c1	Leg3	Tri-Gen 1	1151	1161	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3c2	Leg3	Tri-Gen 2	1152	1162	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3dP	Leg3	Tri-Symmetry	116P	117P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3d1	Leg3	Tri-Gen 1	1161	1171	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3d2	Leg3	Tri-Gen 2	1162	1172	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3eP	Leg3	Tri-Symmetry	117P	118P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3e1	Leg3	Tri-Gen 1	1171	1181	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3e2	Leg3	Tri-Gen 2	1172	1182	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3fP	Leg3	Tri-Symmetry	118P	119P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3f1	Leg3	Tri-Gen 1	1181	1191	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3f2	Leg3	Tri-Gen 2	1182	1192	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3gP	Leg3	Tri-Symmetry	119P	120P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3g1	Leg3	Tri-Gen 1	1191	1201	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3g2	Leg3	Tri-Gen 2	1192	1202	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3hP	Leg3	Tri-Symmetry	120P	121P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3h1	Leg3	Tri-Gen 1	1201	1211	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3h2	Leg3	Tri-Gen 2	1202	1212	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3iP	Leg3	Tri-Symmetry	121P	122P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3i1	Leg3	Tri-Gen 1	1211	1221	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3i2	Leg3	Tri-Gen 2	1212	1222	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3jP	Leg3	Tri-Symmetry	122P	123P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3j1	Leg3	Tri-Gen 1	1221	1231	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg3j2	Leg3	Tri-Gen 2	1222	1232	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4aP	Leg4	Tri-Symmetry	123P	124P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4a1	Leg4	Tri-Gen 1	1231	1241	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4a2	Leg4	Tri-Gen 2	1232	1242	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4bP	Leg4	Tri-Symmetry	124P	125P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4b1	Leg4	Tri-Gen 1	1241	1251	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4b2	Leg4	Tri-Gen 2	1242	1252	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4cP	Leg4	Tri-Symmetry	125P	126P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4c1	Leg4	Tri-Gen 1	1251	1261	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4c2	Leg4	Tri-Gen 2	1252	1262	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4dP	Leg4	Tri-Symmetry	126P	127P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4d1	Leg4	Tri-Gen 1	1261	1271	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4d2	Leg4	Tri-Gen 2	1262	1272	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4eP	Leg4	Tri-Symmetry	127P	128P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4e1	Leg4	Tri-Gen 1	1271	1281	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4e2	Leg4	Tri-Gen 2	1272	1282	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4fP	Leg4	Tri-Symmetry	128P	129P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4f1	Leg4	Tri-Gen 1	1281	1291	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4f2	Leg4	Tri-Gen 2	1282	1292	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4gP	Leg4	Tri-Symmetry	129P	130P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4g1	Leg4	Tri-Gen 1	1291	1301	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0

Leg4g2	Leg4	Tri-Gen 2	1292	1302	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4hP	Leg4	Tri-Symmetry	130P	131P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4h1	Leg4	Tri-Gen 1	1301	1311	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4h2	Leg4	Tri-Gen 2	1302	1312	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4iP	Leg4	Tri-Symmetry	131P	132P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4i1	Leg4	Tri-Gen 1	1311	1321	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4i2	Leg4	Tri-Gen 2	1312	1322	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4jP	Leg4	Tri-Symmetry	132P	133P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4j1	Leg4	Tri-Gen 1	1321	1331	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg4j2	Leg4	Tri-Gen 2	1322	1332	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5aP	Leg5	Tri-Symmetry	133P	134P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5a1	Leg5	Tri-Gen 1	1331	1341	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5a2	Leg5	Tri-Gen 2	1332	1342	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5bP	Leg5	Tri-Symmetry	134P	135P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5b1	Leg5	Tri-Gen 1	1341	1351	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5b2	Leg5	Tri-Gen 2	1342	1352	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5cP	Leg5	Tri-Symmetry	135P	136P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5c1	Leg5	Tri-Gen 1	1351	1361	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5c2	Leg5	Tri-Gen 2	1352	1362	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5dP	Leg5	Tri-Symmetry	136P	137P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5d1	Leg5	Tri-Gen 1	1361	1371	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5d2	Leg5	Tri-Gen 2	1362	1372	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5eP	Leg5	Tri-Symmetry	137P	138P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5e1	Leg5	Tri-Gen 1	1371	1381	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5e2	Leg5	Tri-Gen 2	1372	1382	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5fP	Leg5	Tri-Symmetry	138P	139P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5f1	Leg5	Tri-Gen 1	1381	1391	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5f2	Leg5	Tri-Gen 2	1382	1392	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5gP	Leg5	Tri-Symmetry	139P	140P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5g1	Leg5	Tri-Gen 1	1391	1401	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5g2	Leg5	Tri-Gen 2	1392	1402	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5hP	Leg5	Tri-Symmetry	140P	141P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5h1	Leg5	Tri-Gen 1	1401	1411	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5h2	Leg5	Tri-Gen 2	1402	1412	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5iP	Leg5	Tri-Symmetry	141P	142P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5i1	Leg5	Tri-Gen 1	1411	1421	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5i2	Leg5	Tri-Gen 2	1412	1422	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5jP	Leg5	Tri-Symmetry	142P	143P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5j1	Leg5	Tri-Gen 1	1421	1431	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Leg5j2	Leg5	Tri-Gen 2	1422	1432	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1aP	Horz1	Tri-Symmetry	101P	1011	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1a1	Horz1	Tri-Gen 1	1011	1012	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1a2	Horz1	Tri-Gen 2	1012	101P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1bP	Horz1	Tri-Symmetry	102P	1021	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1b1	Horz1	Tri-Gen 1	1021	1022	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1b2	Horz1	Tri-Gen 2	1022	102P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1cP	Horz1	Tri-Symmetry	103P	1031	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1c1	Horz1	Tri-Gen 1	1031	1032	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1c2	Horz1	Tri-Gen 2	1032	103P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1dP	Horz1	Tri-Symmetry	104P	1041	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1d1	Horz1	Tri-Gen 1	1041	1042	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz1d2	Horz1	Tri-Gen 2	1042	104P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz2aP	Horz2	Tri-Symmetry	106P	1061	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz2a1	Horz2	Tri-Gen 1	1061	1062	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz2a2	Horz2	Tri-Gen 2	1062	106P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz2bP	Horz2	Tri-Symmetry	112P	1121	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz2b1	Horz2	Tri-Gen 1	1121	1122	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz2b2	Horz2	Tri-Gen 2	1122	112P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz3aP	Horz3	Tri-Symmetry	114P	1141	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz3a1	Horz3	Tri-Gen 1	1141	1142	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz3a2	Horz3	Tri-Gen 2	1142	114P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz3bP	Horz3	Tri-Symmetry	122P	1221	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz3b1	Horz3	Tri-Gen 1	1221	1222	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz3b2	Horz3	Tri-Gen 2	1222	122P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz4aP	Horz4	Tri-Symmetry	124P	1241	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz4a1	Horz4	Tri-Gen 1	1241	1242	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz4a2	Horz4	Tri-Gen 2	1242	124P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz4bP	Horz4	Tri-Symmetry	132P	1321	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz4b1	Horz4	Tri-Gen 1	1321	1322	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz4b2	Horz4	Tri-Gen 2	1322	132P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz5aP	Horz5	Tri-Symmetry	134P	1341	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz5a1	Horz5	Tri-Gen 1	1341	1342	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz5a2	Horz5	Tri-Gen 2	1342	134P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz5bP	Horz5b	Tri-Symmetry	135P	1351	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz5b1	Horz5b	Tri-Gen 1	1351	1352	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz5b2	Horz5b	Tri-Gen 2	1352	135P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz5cP	Horz5	Tri-Symmetry	142P	1421	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz5c1	Horz5	Tri-Gen 1	1421	1422	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Horz5c2	Horz5	Tri-Gen 2	1422	142P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Diag2aP	Diag2	Tri-Symmetry	106P	1071	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Diag2a1	Diag2	Tri-Gen 1	1061	1072	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0

Diag2a2	Diag2	Tri-Gen 2	1062	107P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2bP	Diag2	Tri-Symmetry	1071	108P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2b1	Diag2	Tri-Gen 1	1072	1081	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2b2	Diag2	Tri-Gen 2	107P	1082	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2cP	Diag2	Tri-Symmetry	108P	1091	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2c1	Diag2	Tri-Gen 1	1081	1092	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2c2	Diag2	Tri-Gen 2	1082	109P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2dP	Diag2	Tri-Symmetry	1091	110P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2d1	Diag2	Tri-Gen 1	1092	1101	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2d2	Diag2	Tri-Gen 2	109P	1102	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2eP	Diag2	Tri-Symmetry	110P	1111	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2e1	Diag2	Tri-Gen 1	1101	1112	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2e2	Diag2	Tri-Gen 2	1102	111P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2fP	Diag2	Tri-Symmetry	1111	112P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2f1	Diag2	Tri-Gen 1	1112	1121	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag2f2	Diag2	Tri-Gen 2	111P	1122	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3aP	Diag3	Tri-Symmetry	114P	1151	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3a1	Diag3	Tri-Gen 1	1141	1152	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3a2	Diag3	Tri-Gen 2	1142	115P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3bP	Diag3	Tri-Symmetry	1151	116P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3b1	Diag3	Tri-Gen 1	1152	1161	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3b2	Diag3	Tri-Gen 2	115P	1162	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3cP	Diag3	Tri-Symmetry	116P	1171	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3c1	Diag3	Tri-Gen 1	1161	1172	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3c2	Diag3	Tri-Gen 2	1162	117P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3dP	Diag3	Tri-Symmetry	1171	118P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3d1	Diag3	Tri-Gen 1	1172	1181	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3d2	Diag3	Tri-Gen 2	117P	1182	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3eP	Diag3	Tri-Symmetry	118P	1191	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3e1	Diag3	Tri-Gen 1	1181	1192	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3e2	Diag3	Tri-Gen 2	1182	119P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3fP	Diag3	Tri-Symmetry	1191	120P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3f1	Diag3	Tri-Gen 1	1192	1201	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3f2	Diag3	Tri-Gen 2	119P	1202	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3gP	Diag3	Tri-Symmetry	120P	1211	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3g1	Diag3	Tri-Gen 1	1201	1212	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3g2	Diag3	Tri-Gen 2	1202	121P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3hP	Diag3	Tri-Symmetry	1211	122P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3h1	Diag3	Tri-Gen 1	1212	1221	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag3h2	Diag3	Tri-Gen 2	121P	1222	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4aP	Diag4	Tri-Symmetry	124P	1251	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4a1	Diag4	Tri-Gen 1	1241	1252	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4a2	Diag4	Tri-Gen 2	1242	125P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4bP	Diag4	Tri-Symmetry	1251	126P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4b1	Diag4	Tri-Gen 1	1252	1261	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4b2	Diag4	Tri-Gen 2	125P	1262	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4cP	Diag4	Tri-Symmetry	126P	1271	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4c1	Diag4	Tri-Gen 1	1261	1272	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4c2	Diag4	Tri-Gen 2	1262	127P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4dP	Diag4	Tri-Symmetry	1271	128P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4d1	Diag4	Tri-Gen 1	1272	1281	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4d2	Diag4	Tri-Gen 2	127P	1282	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4eP	Diag4	Tri-Symmetry	128P	1291	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4e1	Diag4	Tri-Gen 1	1281	1292	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4e2	Diag4	Tri-Gen 2	1282	129P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4fP	Diag4	Tri-Symmetry	1291	130P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4f1	Diag4	Tri-Gen 1	1292	1301	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4f2	Diag4	Tri-Gen 2	129P	1302	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4gP	Diag4	Tri-Symmetry	130P	1311	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4g1	Diag4	Tri-Gen 1	1301	1312	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4g2	Diag4	Tri-Gen 2	1302	131P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4hP	Diag4	Tri-Symmetry	1311	132P	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4h1	Diag4	Tri-Gen 1	1312	1321	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag4h2	Diag4	Tri-Gen 2	131P	1322	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Diag5aP	Diag5	Tri-Symmetry	134P	1351	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5a1	Diag5	Tri-Gen 1	1341	1352	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5a2	Diag5	Tri-Gen 2	1342	135P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5bP	Diag5	Tri-Symmetry	1341	135P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5b1	Diag5	Tri-Gen 1	1342	1351	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5b2	Diag5	Tri-Gen 2	134P	1352	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5cP	Diag5	Tri-Symmetry	135P	1361	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5c1	Diag5	Tri-Gen 1	1351	1362	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5c2	Diag5	Tri-Gen 2	1352	136P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5dP	Diag5	Tri-Symmetry	1351	136P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5d1	Diag5	Tri-Gen 1	1352	1361	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5d2	Diag5	Tri-Gen 2	135P	1362	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5eP	Diag5	Tri-Symmetry	136P	1371	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5e1	Diag5	Tri-Gen 1	1361	1372	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5e2	Diag5	Tri-Gen 2	1362	137P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5fP	Diag5	Tri-Symmetry	1361	137P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Diag5f1	Diag5	Tri-Gen 1	1362	1371	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0	0

Diag5f2	Diag5	Tri-Gen 2	136P	1372	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5gP	Diag5	Tri-Symmetry	137P	1381	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5g1	Diag5	Tri-Gen 1	1371	1382	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5g2	Diag5	Tri-Gen 2	1372	138P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5hP	Diag5	Tri-Symmetry	1371	138P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5h1	Diag5	Tri-Gen 1	1372	1381	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5h2	Diag5	Tri-Gen 2	137P	1382	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5iP	Diag5	Tri-Symmetry	138P	1391	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5i1	Diag5	Tri-Gen 1	1381	1392	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5i2	Diag5	Tri-Gen 2	1382	139P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5jP	Diag5	Tri-Symmetry	1381	139P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5j1	Diag5	Tri-Gen 1	1382	1391	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5j2	Diag5	Tri-Gen 2	138P	1392	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5kP	Diag5	Tri-Symmetry	139P	1401	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5k1	Diag5	Tri-Gen 1	1391	1402	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5k2	Diag5	Tri-Gen 2	1392	140P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5lP	Diag5	Tri-Symmetry	1391	140P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5l1	Diag5	Tri-Gen 1	1392	1401	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5l2	Diag5	Tri-Gen 2	139P	1402	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5mP	Diag5	Tri-Symmetry	140P	1411	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5m1	Diag5	Tri-Gen 1	1401	1412	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5m2	Diag5	Tri-Gen 2	1402	141P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5nP	Diag5	Tri-Symmetry	1401	141P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5n1	Diag5	Tri-Gen 1	1402	1411	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5n2	Diag5	Tri-Gen 2	140P	1412	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5oP	Diag5	Tri-Symmetry	141P	1421	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5o1	Diag5	Tri-Gen 1	1411	1422	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5o2	Diag5	Tri-Gen 2	1412	142P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5pP	Diag5	Tri-Symmetry	1411	142P	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5p1	Diag5	Tri-Gen 1	1412	1421	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
Diag5p2	Diag5	Tri-Gen 2	141P	1422	1	4	0.75	0.5	0.5	0	0	0	0	0	0	0	0	0
TA1aP	TA1	Tri-Symmetry	1351	200P	1	4	1	1	1	0	0	0	0	0	0	0	0	0
TA1a1	TA1	Tri-Gen 1	1352	2001	1	4	1	1	1	0	0	0	0	0	0	0	0	0
TA1a2	TA1	Tri-Gen 2	135P	2002	1	4	1	1	1	0	0	0	0	0	0	0	0	0
TA1bP	TA1	Tri-Symmetry	1351	2002	1	4	1	1	1	0	0	0	0	0	0	0	0	0
TA1b1	TA1	Tri-Gen 1	1352	200P	1	4	1	1	1	0	0	0	0	0	0	0	0	0
TA1b2	TA1	Tri-Gen 2	135P	2001	1	4	1	1	1	0	0	0	0	0	0	0	0	0

Member Capacities and Overrides:

Member Label	Group Label	Design Comp. Capacity (kips)	Comp. Control Criterion	Design Tension Capacity (kips)	Tension Control Criterion	L/r	Length (ft)	L/r Comp. Capacity (kips)	Connection Shear Capacity (kips)	Connection Bearing Capacity (kips)	Net Section Tension Capacity (kips)	Rupture Tension Capacity (kips)	RTE End Dist. Tension Capacity (kips)	RTE Edge Dist. Tension Capacity (kips)	Override Comp. Capacity (kips)	Override Comp. Capacity Unsup. (kips)	Override Comp. Control Criterion	Override Tension Capacity (kips)	Override Tension Control Criterion	Override Face Member ship	Warnings or Errors
Leg1aP	Leg1	71.114	L/r	74.310	Net Sect	16	1.22	71.114	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1a1	Leg1	71.114	L/r	74.310	Net Sect	16	1.22	71.114	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1a2	Leg1	71.114	L/r	74.310	Net Sect	16	1.22	71.114	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1bP	Leg1	71.131	L/r	74.310	Net Sect	16	1.21	71.131	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1b1	Leg1	71.131	L/r	74.310	Net Sect	16	1.21	71.131	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1b2	Leg1	71.131	L/r	74.310	Net Sect	16	1.21	71.131	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1cP	Leg1	71.114	L/r	74.310	Net Sect	16	1.22	71.114	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1c1	Leg1	71.114	L/r	74.310	Net Sect	16	1.22	71.114	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1c2	Leg1	71.114	L/r	74.310	Net Sect	16	1.22	71.114	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1dP	Leg1	71.131	L/r	74.310	Net Sect	16	1.21	71.131	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1d1	Leg1	71.131	L/r	74.310	Net Sect	16	1.21	71.131	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1d2	Leg1	71.131	L/r	74.310	Net Sect	16	1.21	71.131	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1eP	Leg1	73.064	L/r	74.310	Net Sect	7	0.54	73.064	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1e1	Leg1	73.064	L/r	74.310	Net Sect	7	0.54	73.064	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg1e2	Leg1	73.064	L/r	74.310	Net Sect	7	0.54	73.064	0.000	0.000	74.310	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2aP	Leg2	71.624	L/r	72.150	Net Sect	3	0.25	71.624	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2a1	Leg2	71.624	L/r	72.150	Net Sect	3	0.25	71.624	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2a2	Leg2	71.624	L/r	72.150	Net Sect	3	0.25	71.624	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2bP	Leg2	64.964	L/r	72.150	Net Sect	31	2.38	64.964	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2b1	Leg2	64.964	L/r	72.150	Net Sect	31	2.38	64.964	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2b2	Leg2	64.964	L/r	72.150	Net Sect	31	2.38	64.964	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2cP	Leg2	65.004	L/r	72.150	Net Sect	31	2.37	65.004	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2c1	Leg2	65.004	L/r	72.150	Net Sect	31	2.37	65.004	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2c2	Leg2	65.004	L/r	72.150	Net Sect	31	2.37	65.004	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2dP	Leg2	64.964	L/r	72.150	Net Sect	31	2.38	64.964	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2d1	Leg2	64.964	L/r	72.150	Net Sect	31	2.38	64.964	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2d2	Leg2	64.964	L/r	72.150	Net Sect	31	2.38	64.964	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2eP	Leg2	65.004	L/r	72.150	Net Sect	31	2.37	65.004	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2e1	Leg2	65.004	L/r	72.150	Net Sect	31	2.37	65.004	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2e2	Leg2	65.004	L/r	72.150	Net Sect	31	2.37	65.004	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2fP	Leg2	64.964	L/r	72.150	Net Sect	31	2.38	64.964	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2f1	Leg2	64.964	L/r	72.150	Net Sect	31	2.38	64.964	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2f2	Leg2	64.964	L/r	72.150	Net Sect	31	2.38	64.964	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2gP	Leg2	65.004	L/r	72.150	Net Sect	31	2.37	65.004	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	
Leg2g1	Leg2	65.004	L/r	72.150	Net Sect	31	2.37	65.004	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000		0.000		Automatic	

Leg2g2	Leg2	65.004	L/r	72.150	Net Sect	31	2.37	65.004	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg2hP	Leg2	71.039	L/r	72.150	Net Sect	7	0.50	71.039	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg2h1	Leg2	71.039	L/r	72.150	Net Sect	7	0.50	71.039	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg2h2	Leg2	71.039	L/r	72.150	Net Sect	7	0.50	71.039	0.000	0.000	72.150	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3aP	Leg3	50.075	L/r	50.430	Net Sect	3	0.25	50.075	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3a1	Leg3	50.075	L/r	50.430	Net Sect	3	0.25	50.075	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3a2	Leg3	50.075	L/r	50.430	Net Sect	3	0.25	50.075	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3bP	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3b1	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3b2	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3cP	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3c1	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3c2	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3dP	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3d1	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3d2	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3eP	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3e1	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3e2	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3fP	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3f1	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3f2	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3gP	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3g1	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3g2	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3hP	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3h1	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3h2	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3iP	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3i1	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3i2	Leg3	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3jP	Leg3	49.682	L/r	50.430	Net Sect	6	0.50	49.682	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3j1	Leg3	49.682	L/r	50.430	Net Sect	6	0.50	49.682	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg3j2	Leg3	49.682	L/r	50.430	Net Sect	6	0.50	49.682	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4aP	Leg4	50.075	L/r	50.430	Net Sect	3	0.25	50.075	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4a1	Leg4	50.075	L/r	50.430	Net Sect	3	0.25	50.075	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4a2	Leg4	50.075	L/r	50.430	Net Sect	3	0.25	50.075	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4bP	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4b1	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4b2	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4cP	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4c1	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4c2	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4dP	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4d1	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4d2	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4eP	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4e1	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4e2	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4fP	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4f1	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4f2	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4gP	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4g1	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4g2	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4hP	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4h1	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4h2	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4iP	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4i1	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4i2	Leg4	45.541	L/r	50.430	Net Sect	30	2.41	45.541	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4jP	Leg4	49.682	L/r	50.430	Net Sect	6	0.50	49.682	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4j1	Leg4	49.682	L/r	50.430	Net Sect	6	0.50	49.682	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg4j2	Leg4	49.682	L/r	50.430	Net Sect	6	0.50	49.682	0.000	0.000	50.430	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5aP	Leg5	74.807	L/r	75.360	Net Sect	3	0.25	74.807	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5a1	Leg5	74.807	L/r	75.360	Net Sect	3	0.25	74.807	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5a2	Leg5	74.807	L/r	75.360	Net Sect	3	0.25	74.807	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5bP	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5b1	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5b2	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5cP	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5c1	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5c2	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5dP	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5d1	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5d2	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5eP	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5e1	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5e2	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5fP	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5f1	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic

Leg5f2	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5gP	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5g1	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5g2	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5hP	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5h1	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5h2	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5iP	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5i1	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5i2	Leg5	67.679	L/r	75.360	Net Sect	32	2.41	67.679	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5jP	Leg5	74.193	L/r	75.360	Net Sect	7	0.50	74.193	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5j1	Leg5	74.193	L/r	75.360	Net Sect	7	0.50	74.193	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Leg5j2	Leg5	74.193	L/r	75.360	Net Sect	7	0.50	74.193	0.000	0.000	75.360	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1aP	Horz1	35.390	L/r	41.904	Net Sect	12	0.78	35.390	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1a1	Horz1	35.390	L/r	41.904	Net Sect	12	0.78	35.390	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1a2	Horz1	35.390	L/r	41.904	Net Sect	12	0.78	35.390	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1bP	Horz1	34.295	L/r	41.904	Net Sect	24	1.58	34.295	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1b1	Horz1	34.295	L/r	41.904	Net Sect	24	1.58	34.295	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1b2	Horz1	34.295	L/r	41.904	Net Sect	24	1.58	34.295	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1cP	Horz1	33.016	L/r	41.904	Net Sect	36	2.36	33.016	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1c1	Horz1	33.016	L/r	41.904	Net Sect	36	2.36	33.016	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1c2	Horz1	33.016	L/r	41.904	Net Sect	36	2.36	33.016	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1dP	Horz1	31.512	L/r	41.904	Net Sect	48	3.15	31.512	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1d1	Horz1	31.512	L/r	41.904	Net Sect	48	3.15	31.512	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz1d2	Horz1	31.512	L/r	41.904	Net Sect	48	3.15	31.512	0.000	0.000	41.904	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz2aP	Horz2	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz2a1	Horz2	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz2a2	Horz2	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz2bP	Horz2	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz2b1	Horz2	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz2b2	Horz2	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz3aP	Horz3	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz3a1	Horz3	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz3a2	Horz3	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz3bP	Horz3	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz3b1	Horz3	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz3b2	Horz3	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz4aP	Horz4	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz4a1	Horz4	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz4a2	Horz4	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz4bP	Horz4	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz4b1	Horz4	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz4b2	Horz4	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz5aP	Horz5	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz5a1	Horz5	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz5a2	Horz5	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz5bP	Horz5b	22.443	L/r	40.824	Net Sect	108	3.50	22.443	0.000	0.000	40.824	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz5b1	Horz5b	22.443	L/r	40.824	Net Sect	108	3.50	22.443	0.000	0.000	40.824	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz5b2	Horz5b	22.443	L/r	40.824	Net Sect	108	3.50	22.443	0.000	0.000	40.824	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz5cP	Horz5	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz5c1	Horz5	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Horz5c2	Horz5	5.573	L/r	8.467	Net Sect	83	3.50	5.573	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2aP	Diag2	4.643	L/r	8.467	Net Sect	101	4.23	4.643	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2a1	Diag2	4.643	L/r	8.467	Net Sect	101	4.23	4.643	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2a2	Diag2	4.643	L/r	8.467	Net Sect	101	4.23	4.643	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2bP	Diag2	4.651	L/r	8.467	Net Sect	101	4.23	4.651	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2b1	Diag2	4.651	L/r	8.467	Net Sect	101	4.23	4.651	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2b2	Diag2	4.651	L/r	8.467	Net Sect	101	4.23	4.651	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2cP	Diag2	4.643	L/r	8.467	Net Sect	101	4.23	4.643	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2c1	Diag2	4.643	L/r	8.467	Net Sect	101	4.23	4.643	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2c2	Diag2	4.643	L/r	8.467	Net Sect	101	4.23	4.643	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2dP	Diag2	4.651	L/r	8.467	Net Sect	101	4.23	4.651	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2d1	Diag2	4.651	L/r	8.467	Net Sect	101	4.23	4.651	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2d2	Diag2	4.651	L/r	8.467	Net Sect	101	4.23	4.651	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2eP	Diag2	4.643	L/r	8.467	Net Sect	101	4.23	4.643	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2e1	Diag2	4.643	L/r	8.467	Net Sect	101	4.23	4.643	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2e2	Diag2	4.643	L/r	8.467	Net Sect	101	4.23	4.643	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2fP	Diag2	4.651	L/r	8.467	Net Sect	101	4.23	4.651	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2f1	Diag2	4.651	L/r	8.467	Net Sect	101	4.23	4.651	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag2f2	Diag2	4.651	L/r	8.467	Net Sect	101	4.23	4.651	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3aP	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3a1	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3a2	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3bP	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3b1	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3b2	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3cP	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3c1	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3c2	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3dP	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3d1	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic

Diag3d2	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3eP	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3e1	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3e2	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3fP	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3f1	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3f2	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3gP	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3g1	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3g2	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3hP	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3h1	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag3h2	Diag3	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4aP	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4a1	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4a2	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4bP	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4b1	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4b2	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4cP	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4c1	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4c2	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4dP	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4d1	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4d2	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4eP	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4e1	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4e2	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4fP	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4f1	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4f2	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4gP	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4g1	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4g2	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4hP	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4h1	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag4h2	Diag4	4.620	L/r	8.467	Net Sect	101	4.25	4.620	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5aP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5a1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5a2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5bP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5b1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5b2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5cP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5c1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5c2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5dP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5d1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5d2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5eP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5e1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5e2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5fP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5f1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5f2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5gP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5g1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5g2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5hP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5h1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5h2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5iP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5i1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5i2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5jP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5j1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5j2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5kP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5k1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5k2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5lP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5l1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5l2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5mP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5m1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5m2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5nP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5n1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5n2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5oP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5o1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic

Diag5o2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5pP	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5p1	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Diag5p2	Diag5	5.938	L/r	8.467	Net Sect	76	4.25	5.938	0.000	0.000	8.467	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
TA1aP	TA1	54.422	L/r	131.328	Net Sect	53	3.50	54.422	0.000	0.000	131.328	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
TA1a1	TA1	54.422	L/r	131.328	Net Sect	53	3.50	54.422	0.000	0.000	131.328	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
TA1a2	TA1	54.422	L/r	131.328	Net Sect	53	3.50	54.422	0.000	0.000	131.328	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
TA1bP	TA1	54.422	L/r	131.328	Net Sect	53	3.50	54.422	0.000	0.000	131.328	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
TA1b1	TA1	54.422	L/r	131.328	Net Sect	53	3.50	54.422	0.000	0.000	131.328	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
TA1b2	TA1	54.422	L/r	131.328	Net Sect	53	3.50	54.422	0.000	0.000	131.328	0.000	0.000	0.000	0.000	0.000	0.000	Automatic

The model contains 288 angle members.

Section Joint Information:

Section Label	Joint Label	Joint Elevation (ft)
5	133P	60.060
5	134P	60.310
5	1331	60.060
5	1341	60.310
5	1332	60.060
5	1342	60.310
5	135P	62.720
5	1351	62.720
5	1352	62.720
5	136P	65.130
5	1361	65.130
5	1362	65.130
5	137P	67.540
5	1371	67.540
5	1372	67.540
5	138P	69.950
5	1381	69.950
5	1382	69.950
5	139P	72.360
5	1391	72.360
5	1392	72.360
5	140P	74.770
5	1401	74.770
5	1402	74.770
5	141P	77.180
5	1411	77.180
5	1412	77.180
5	142P	79.590
5	1421	79.590
5	1422	79.590
5	143P	80.090
5	1431	80.090
5	1432	80.090
5	200P	62.720
5	2001	62.720
5	2002	62.720
4	123P	40.030
4	124P	40.280
4	1231	40.030
4	1241	40.280
4	1232	40.030
4	1242	40.280
4	125P	42.690
4	1251	42.690
4	1252	42.690
4	126P	45.100
4	1261	45.100
4	1262	45.100
4	127P	47.510
4	1271	47.510
4	1272	47.510
4	128P	49.920
4	1281	49.920
4	1282	49.920
4	129P	52.330
4	1291	52.330
4	1292	52.330
4	130P	54.740
4	1301	54.740
4	1302	54.740
4	131P	57.150
4	1311	57.150

4	1312	57.150
4	132P	59.560
4	1321	59.560
4	1322	59.560
4	133P	60.060
4	1331	60.060
4	1332	60.060
3	113P	20.000
3	114P	20.250
3	1131	20.000
3	1141	20.250
3	1132	20.000
3	1142	20.250
3	115P	22.660
3	1151	22.660
3	1152	22.660
3	116P	25.070
3	1161	25.070
3	1162	25.070
3	117P	27.480
3	1171	27.480
3	1172	27.480
3	118P	29.890
3	1181	29.890
3	1182	29.890
3	119P	32.300
3	1191	32.300
3	1192	32.300
3	120P	34.710
3	1201	34.710
3	1202	34.710
3	121P	37.120
3	1211	37.120
3	1212	37.120
3	122P	39.530
3	1221	39.530
3	1222	39.530
3	123P	40.030
3	1231	40.030
3	1232	40.030
2	105P	5.000
2	106P	5.250
2	1051	5.000
2	1061	5.250
2	1052	5.000
2	1062	5.250
2	107P	7.630
2	1071	7.630
2	1072	7.630
2	108P	10.000
2	1081	10.000
2	1082	10.000
2	109P	12.380
2	1091	12.380
2	1092	12.380
2	110P	14.750
2	1101	14.750
2	1102	14.750
2	111P	17.130
2	1111	17.130
2	1112	17.130
2	112P	19.500
2	1121	19.500
2	1122	19.500
2	113P	20.000
2	1131	20.000
2	1132	20.000
1	100P	0.000
1	101P	1.130
1	1011	1.130
1	1012	1.130
1	102P	2.250
1	1021	2.250
1	1022	2.250
1	103P	3.380
1	1031	3.380
1	1032	3.380
1	104P	4.500
1	1041	4.500
1	1042	4.500
1	105P	5.000

1	1051	5.000
1	1052	5.000

EIA Sections Information:

Section Label	Top Z (ft)	Bottom Z (ft)	Joint Count	Member Count	Top Width (ft)	Bottom Width (ft)	Gross Face Area (ft^2)	Af Face Adjust Factor	Ar Face Adjust Factor	Dead Load Factor
5	80.090	60.060	36	93	3.74	3.74	74.88	1.0000	1.0000	1.050
4	60.060	40.030	33	60	3.74	3.74	74.88	1.0000	1.0000	1.050
3	40.030	20.000	33	60	3.74	3.74	74.88	1.0000	1.0000	1.050
2	20.000	5.000	27	48	3.74	3.74	56.07	1.0000	1.0000	1.050
1	5.000	0.000	16	27	3.74	0.24	9.94	1.0000	1.0000	1.050

Equipment Library:

Equipment Property Label	Stock Number	Weight (lbs)	Wind Area (ft^2)	Ice Area (ft^2)	Shape or EIA Antenna Type	Drag Coef.	Diameter (ft)	Height (ft)
VHLP2.5-18-2WH Dish		0.0	0.00	0.00	EIA Microwave Shroud MaxCA	0.00	2.50	2.50
Lightning Rod		15.0	0.20	0.65	Circle	1.20	0.05	4.00
Leg Extension		23.0	0.96	3.00	Circle	1.20	0.24	4.00
GPS		10.0	0.38	1.20	Circle	1.20	0.25	1.50
MF-900B Grid Dish		13.0	2.66	5.80	EIA Microwave Grid MaxCA	0.00	3.88	1.50
PC9013N Yagi Antenna		3.0	0.46	3.00	Circle	1.20	0.25	4.50
Grid Dish Mount Pipe		11.0	0.60	1.90	Circle	1.20	0.20	3.00
FM Antenna		150.0	13.42	17.86	Circle	1.20	0.25	25.00

Equipment Connectivity:

Equipment Attach Label	Attach Label	Equipment Property Set	EIA Antenna Orientation Angle (deg)
Lightning Rod	1431	Lightning Rod	0.00
Leg Extension	143P	Leg Extension	0.00
Yagi Antenna	114P	PC9013N Yagi Antenna	0.00
Grid Dish	119P	MF-900B Grid Dish	180.00
Grid Dish Mount	119P	Grid Dish Mount Pipe	0.00
GPS	112P	GPS	0.00
Dish1 (Sprint)	1401	VHLP2.5-18-2WH Dish	60.00
Dish2 (Sprint)	1402	VHLP2.5-18-2WH Dish	-60.00
FM Antenna	127P	FM Antenna	0.00

Linear Appurtenances:

Description	From (ft)	To (ft)	Quantity	Shape	Width or Diameter (in)	Perimeter (in)	Unit Weight (lbs/ft)	In Face	Include in Wind Load
(E) Step Bolts	0	80	1	Round	0.646	0	0.94	No	Yes
(E) Safety Cable	0	80	1	Round	0.375	0	1.43	No	Yes
(E) 2" diameter Conduit (Sprint)	0	80	2	Round	2	6.28	1	Yes	Yes
(E) 1-1/4" dia coax (Sprint)	0	75	6	Round	1.55	4.869	0.63	Yes	Yes
(E) 3/8" dia coax (Sprint Dish)	0	75	2	Round	0.44	1.38	0.08	Yes	Yes
(P) 1-1/4" Hybriflex Cable (Sprint) stacked	0	75	3	Round	1.25	3.92	0.75	No	No
(E) 7/8" dia coax	0	47	1	Round	1.09	3.42	0.33	Yes	Yes
(E) 3/8" dia coax (Grid Dish)	0	31	1	Round	0.44	1.38	0.08	Yes	Yes
(E) 3/8" dia coax (Yagi Dish)	0	22	1	Round	0.44	1.38	0.08	Yes	Yes

Cable Properties:

Label	Stock Number	Area (in^2)	Modulus of Elasticity (psi)	Diameter (in)	Unit Weight (lbs/ft)	Drag Coef.	Thermal Expansion Coeff. (/deg F)	Ultimate Tension (kips)	Allowable % of Ultimate
7/16" 7 Wire EHS Guy Cable		0.117	2.5e+007	0.4375	0.399	1	6.4e-006	20.8	52

Guy Connectivity:

Guy Label	Attach Label	Property Set	Anchor Type	Anchor X or Offset (ft)	Anchor Y (ft)	Anchor Z (ft)	Anchor Lead Length (ft)	Azimuth (deg)	Slope (deg)	Reference Anchor	Installed Tension At Top (% of Ult.)	Design Tension Capacity (kips)	Ultimate Tension Capacity (kips)

Guy1a	2002 7/16" 7 Wire EHS Guy Cable	XYZ	80.00	0.00	-3.00	78.06	87.43	40.1		10	10.816	20.8
Guy1b	2001 7/16" 7 Wire EHS Guy Cable	Shared	80.00	0.00	0.00	78.06	92.57	40.1	Guy1a	10	10.816	20.8
Guy1c	2001 7/16" 7 Wire EHS Guy Cable	XYZ	-28.00	48.60	-3.00	54.18	-33.65	50.5		10	10.816	20.8
Guy1d	200P 7/16" 7 Wire EHS Guy Cable	Shared	-28.00	48.60	0.00	54.19	-26.24	50.49	Guy1c	10	10.816	20.8
Guy1e	200P 7/16" 7 Wire EHS Guy Cable	XYZ	-38.30	-66.30	-3.00	74.63	-152.7	41.37		10	10.816	20.8
Guy1f	2002 7/16" 7 Wire EHS Guy Cable	Shared	-38.30	-66.30	0.00	74.63	-147.3	41.37	Guy1e	10	10.816	20.8

*** Loads Data

Loads from file: g:\newburgh\projects\6318-hpc-ny&ct (tn)\03-098\structural\loads.eia

Structure Height Summary (used for calculating wind/ice adjust with height):
  Structure height above ground 143.09 (ft)
  Elevation of structure bottom for wind height adjustment: 63.00 (ft)
  Structure height for structure gust response factor: 80.09 (ft)
  Structure gust response factor, Gh: 1.1786
  Guy installation temperature: 60.00 (deg F)
  Tower Type: Triangular Latticed

EIA Rev. F Load Cases:

Load Case Description	Dead Load Factor	Wind Load Factor	Ice Load Factor	Strength Factor	Allowable Stress Increase Factor	Basic Wind Speed (mph)	Wind Dir. (Deg)	Ice Thick. (in)	Ice Density (lbs/ft^3)	Temperature (deg F)	Point Loads	Joint Displ.
LC1: DL + WL	1.0000	1.0000	1.0000	1.0000	1.3300	85.000	0	0.0000	0.0000	60.0	3 loads	
LC2: DL + WL	1.0000	1.0000	1.0000	1.0000	1.3300	85.000	90	0.0000	0.0000	60.0	3 loads	
LC3: DL + WL	1.0000	1.0000	1.0000	1.0000	1.3300	85.000	180	0.0000	0.0000	60.0	3 loads	
LC4: DL + WI (Ice)	1.0000	1.0000	1.0000	1.0000	1.3300	73.950	0	0.5000	56.0000	10.0	3 loads	
LC5: DL + WI (Ice)	1.0000	1.0000	1.0000	1.0000	1.3300	73.950	90	0.5000	56.0000	10.0	3 loads	
LC6: DL + WI (Ice)	1.0000	1.0000	1.0000	1.0000	1.3300	73.950	180	0.5000	56.0000	10.0	3 loads	

Concentrated Loads for Load Case "LC1: DL + WL":

Joint Label	Force X-Dir (lbs)	Force Y-Dir (lbs)	Force Vertical (lbs)	Moment X-Axis (ft-lbs)	Moment Y-Axis (ft-lbs)	Moment Z-Axis (ft-lbs)	Load Comment
140P	1333	0	1061	0	0	0	
1401	1333	0	1061	0	0	0	
1402	1333	0	1061	0	0	0	

Equipment Load Case Information for "LC1: DL + WL":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Lightning Rod	Lightning Rod	143.09	33.13	0.00	0.24	0.00							7.95	0.00	15.00
Leg Extension	Leg Extension	143.09	33.13	0.00	1.15	0.00							38.17	0.00	23.00
Yagi Antenna	PC9013N Yagi Antenna	83.25	28.38	0.00	0.55	0.00							15.67	0.00	3.00
Grid Dish	MF-900B Grid Dish	95.30	29.50	0.00	0.00	180.00	-0.59380			46.59			46.59	0.00	13.00
Grid Dish Mount	Grid Dish Mount Pipe	95.30	29.50	0.00	0.72	0.00							21.24	0.00	11.00
GPS	GPS	82.50	28.31	0.00	0.45	0.00							12.74	0.00	10.00
Dish1 (Sprint)	VHLP2.5-18-2WH Dish	137.77	32.77	0.00	0.00	0.00	1.26170						0.00	0.00	0.00
Dish2 (Sprint)	VHLP2.5-18-2WH Dish	137.77	32.77	0.00	0.00	0.00	1.26170						0.00	0.00	0.00
FM Antenna	FM Antenna	110.51	30.77	0.00	16.10	0.00							495.58	0.00	150.00

EIA Section Load Case Information for "LC1: DL + WL":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
5	80.09	60.06	133.08	32.45	0.00	7.00	38.29	28.97	74.9	0.60	1.00	1.00	0.76	1.80	36.0	2102	0.00	2.00	1.70	1.20	2.04	66	2168	1512
4	60.06	40.03	113.05	30.97	0.00	0.00	39.02	27.65	74.9	0.52	1.00	1.00	0.71	1.87	27.6	1605	0.00	2.00	1.70	1.20	2.05	63	1668	721
3	40.03	20.00	93.02	29.29	0.00	0.00	40.69	29.32	74.9	0.54	1.00	1.00	0.72	1.85	29.3	1589	0.00	2.00	1.70	1.20	2.05	60	1649	726
2	20.00	5.00	75.50	27.60	0.00	0.00	31.42	22.94	56.1	0.56	1.00	1.00	0.73	1.83	22.9	1161	0.00	2.00	1.28	1.20	1.53	42	1203	669
1	5.00	0.00	65.50	26.50	0.00	2.62	9.31	9.31	9.9	1.00	1.00	1.00	1.00	2.10	11.9	664	0.00	2.00	0.43	1.20	0.51	14	527	361

Concentrated Loads for Load Case "LC2: DL + WL":

Joint Label	Force X-Dir (lbs)	Force Y-Dir (lbs)	Force Vertical (lbs)	Moment X-Axis (ft-lbs)	Moment Y-Axis (ft-lbs)	Moment Z-Axis (ft-lbs)	Load Comment
140P	0	1333	1061	0	0	0	
1401	0	1333	1061	0	0	0	
1402	0	1333	1061	0	0	0	

Equipment Load Case Information for "LC2: DL + WL":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Lightning Rod	Lightning Rod	143.09	33.13	0.00	0.24	270.00							0.00	7.95	15.00
Leg Extension	Leg Extension	143.09	33.13	0.00	1.15	270.00							0.00	38.17	23.00
Yagi Antenna	PC9013N Yagi Antenna	83.25	28.38	0.00	0.55	270.00							0.00	15.67	3.00
Grid Dish	MF-900B Grid Dish	95.30	29.50	0.00	0.00	180.00	-0.59380			46.59			0.00	46.59	13.00
Grid Dish Mount	Grid Dish Mount Pipe	95.30	29.50	0.00	0.72	270.00							0.00	21.24	11.00
GPS	GPS	82.50	28.31	0.00	0.45	270.00							0.00	12.74	10.00
Dish1 (Sprint)	VHLP2.5-18-2WH Dish	137.77	32.77	0.00	0.00	0.00	1.26170						0.00	0.00	0.00
Dish2 (Sprint)	VHLP2.5-18-2WH Dish	137.77	32.77	0.00	0.00	0.00	1.26170						0.00	0.00	0.00
FM Antenna	FM Antenna	110.51	30.77	0.00	16.10	270.00							0.00	495.58	150.00

EIA Section Load Case Information for "LC2: DL + WL":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
5	80.09	60.06	133.08	32.45	0.00	7.00	38.29	28.97	74.9	0.60	0.85	1.00	0.76	1.80	34.9	2041	0.00	2.00	1.70	1.20	2.04	66	2107	1512
4	60.06	40.03	113.05	30.97	0.00	0.00	39.02	27.65	74.9	0.52	0.85	1.00	0.71	1.87	27.6	1605	0.00	2.00	1.70	1.20	2.05	63	1668	721
3	40.03	20.00	93.02	29.29	0.00	0.00	40.69	29.32	74.9	0.54	0.85	1.00	0.72	1.85	29.3	1589	0.00	2.00	1.70	1.20	2.05	60	1649	726
2	20.00	5.00	75.50	27.60	0.00	0.00	31.42	22.94	56.1	0.56	0.85	1.00	0.73	1.83	22.9	1161	0.00	2.00	1.28	1.20	1.53	42	1203	669
1	5.00	0.00	65.50	26.50	0.00	2.62	9.31	9.31	9.9	1.00	0.85	1.00	1.00	2.10	11.5	642	0.00	2.00	0.43	1.20	0.51	14	527	361

Concentrated Loads for Load Case "LC3: DL + WL":

Joint Label	Force X-Dir (lbs)	Force Y-Dir (lbs)	Force Vertical (lbs)	Moment X-Axis (ft-lbs)	Moment Y-Axis (ft-lbs)	Moment Z-Axis (ft-lbs)	Load Comment
140P	-1333	0	1061	0	0	0	
1401	-1333	0	1061	0	0	0	
1402	-1333	0	1061	0	0	0	

Equipment Load Case Information for "LC3: DL + WL":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Lightning Rod	Lightning Rod	143.09	33.13	0.00	0.24	180.00							-7.95	0.00	15.00
Leg Extension	Leg Extension	143.09	33.13	0.00	1.15	180.00							-38.17	0.00	23.00
Yagi Antenna	PC9013N Yagi Antenna	83.25	28.38	0.00	0.55	180.00							-15.67	0.00	3.00
Grid Dish	MF-900B Grid Dish	95.30	29.50	0.00	0.00	180.00	-0.59380			46.59			-46.59	0.00	13.00
Grid Dish Mount	Grid Dish Mount Pipe	95.30	29.50	0.00	0.72	180.00							-21.24	0.00	11.00
GPS	GPS	82.50	28.31	0.00	0.45	180.00							-12.74	0.00	10.00
Dish1 (Sprint)	VHLP2.5-18-2WH Dish	137.77	32.77	0.00	0.00	0.00	1.26170						0.00	0.00	0.00
Dish2 (Sprint)	VHLP2.5-18-2WH Dish	137.77	32.77	0.00	0.00	0.00	1.26170						0.00	0.00	0.00
FM Antenna	FM Antenna	110.51	30.77	0.00	16.10	180.00							-495.58	0.00	150.00

EIA Section Load Case Information for "LC3: DL + WL":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
5	80.09	60.06	133.08	32.45	0.00	7.00	38.29	28.97	74.9	0.60	0.80	1.00	0.76	1.80	34.6	2020	0.00	2.00	1.70	1.20	2.04	66	2086	1512
4	60.06	40.03	113.05	30.97	0.00	0.00	39.02	27.65	74.9	0.52	0.80	1.00	0.71	1.87	27.6	1605	0.00	2.00	1.70	1.20	2.05	63	1668	721
3	40.03	20.00	93.02	29.29	0.00	0.00	40.69	29.32	74.9	0.54	0.80	1.00	0.72	1.85	29.3	1589	0.00	2.00	1.70	1.20	2.05	60	1649	726
2	20.00	5.00	75.50	27.60	0.00	0.00	31.42	22.94	56.1	0.56	0.80	1.00	0.73	1.83	22.9	1161	0.00	2.00	1.28	1.20	1.53	42	1203	669
1	5.00	0.00	65.50	26.50	0.00	2.62	9.31	9.31	9.9	1.00	0.80	1.00	1.00	2.10	11.4	635	0.00	2.00	0.43	1.20	0.51	14	527	361

Concentrated Loads for Load Case "LC4: DL + WI (Ice)":

Joint Label	Force X-Dir (lbs)	Force Y-Dir (lbs)	Force Vertical (lbs)	Moment X-Axis (ft-lbs)	Moment Y-Axis (ft-lbs)	Moment Z-Axis (ft-lbs)	Load Comment
140P	984	0	1511	0	0	0	
1401	984	0	1511	0	0	0	
1402	984	0	1511	0	0	0	

Equipment Load Case Information for "LC4: DL + WI (Ice)":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Lightning Rod	Lightning Rod	143.09	25.08	0.50	0.58	0.00							14.48	0.00	16.52
Leg Extension	Leg Extension	143.09	25.08	0.50	1.51	0.00							37.75	0.00	30.00
Yagi Antenna	PC9013N Yagi Antenna	83.25	21.48	0.50	0.95	0.00							20.36	0.00	10.00
Grid Dish	MF-900B Grid Dish	95.30	22.33	0.50	0.51	180.00	-1.05470			74.71			74.71	0.00	26.53
Grid Dish Mount	Grid Dish Mount Pipe	95.30	22.33	0.50	0.99	0.00							22.03	0.00	15.43
GPS	GPS	82.50	21.43	0.50	0.60	0.00							12.77	0.00	12.80
Dish1 (Sprint)	VHLP2.5-18-2WH Dish	137.77	24.81	0.50	0.33	0.00	1.26170			10.41			10.41	0.00	0.00
Dish2 (Sprint)	VHLP2.5-18-2WH Dish	137.77	24.81	0.50	0.33	0.00	1.26170			10.41			10.41	0.00	0.00
FM Antenna	FM Antenna	110.51	23.29	0.50	18.21	0.00							424.11	0.00	191.67

EIA Section Load Case Information for "LC4: DL + WI (Ice)":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
5	80.09	60.06	133.08	24.56	0.50	7.00	61.74	61.73	74.9	0.92	1.00	1.00	1.00	1.95	68.7	3293	0.00	2.00	5.02	1.20	6.02	148	3441	2329
4	60.06	40.03	113.05	23.44	0.50	0.00	63.05	58.74	74.9	0.84	1.00	1.00	0.93	1.85	58.7	2552	0.00	2.00	5.04	1.20	6.05	142	2694	1325
3	40.03	20.00	93.02	22.17	0.50	0.00	66.88	65.34	74.9	0.89	1.00	1.00	0.98	1.91	65.3	2774	0.00	2.00	5.04	1.20	6.05	134	2908	1351
2	20.00	5.00	75.50	20.89	0.50	0.00	52.87	52.87	56.1	0.94	1.00	1.00	1.00	1.99	52.9	2199	0.00	2.00	3.78	1.20	4.53	95	2294	1155
1	5.00	0.00	65.50	20.06	0.50	2.62	16.28	16.28	9.9	1.00	1.00	1.00	1.00	2.10	18.9	796	0.00	2.00	1.26	1.20	1.51	30	399	567

Concentrated Loads for Load Case "LC5: DL + WI (Ice)":

Joint Label	Force X-Dir (lbs)	Force Y-Dir (lbs)	Force Vertical (lbs)	Moment X-Axis (ft-lbs)	Moment Y-Axis (ft-lbs)	Moment Z-Axis (ft-lbs)	Load Comment
140P	0	984	1511	0	0	0	
1401	0	984	1511	0	0	0	
1402	0	984	1511	0	0	0	

Equipment Load Case Information for "LC5: DL + WI (Ice)":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Lightning Rod	Lightning Rod	143.09	25.08	0.50	0.58	270.00							0.00	14.48	16.52
Leg Extension	Leg Extension	143.09	25.08	0.50	1.51	270.00							0.00	37.75	30.00
Yagi Antenna	PC9013N Yagi Antenna	83.25	21.48	0.50	0.95	270.00							0.00	20.36	10.00
Grid Dish	MF-900B Grid Dish	95.30	22.33	0.50	0.51	180.00	-1.05470			74.71			0.00	74.71	26.53
Grid Dish Mount	Grid Dish Mount Pipe	95.30	22.33	0.50	0.99	270.00							0.00	22.03	15.43
GPS	GPS	82.50	21.43	0.50	0.60	270.00							0.00	12.77	12.80
Dish1 (Sprint)	VHLP2.5-18-2WH Dish	137.77	24.81	0.50	0.33	0.00	1.26170			10.41			0.00	10.41	0.00
Dish2 (Sprint)	VHLP2.5-18-2WH Dish	137.77	24.81	0.50	0.33	0.00	1.26170			10.41			0.00	10.41	0.00
FM Antenna	FM Antenna	110.51	23.29	0.50	18.21	270.00							0.00	424.11	191.67

EIA Section Load Case Information for "LC5: DL + WI (Ice)":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
5	80.09	60.06	133.08	24.56	0.50	7.00	61.74	61.73	74.9	0.92	0.85	1.00	1.00	1.95	67.7	3243	0.00	2.00	5.02	1.20	6.02	148	3391	2329
4	60.06	40.03	113.05	23.44	0.50	0.00	63.05	58.74	74.9	0.84	0.85	1.00	0.93	1.85	58.7	2552	0.00	2.00	5.04	1.20	6.05	142	2694	1325
3	40.03	20.00	93.02	22.17	0.50	0.00	66.88	65.34	74.9	0.89	0.85	1.00	0.98	1.91	65.3	2774	0.00	2.00	5.04	1.20	6.05	134	2908	1351
2	20.00	5.00	75.50	20.89	0.50	0.00	52.87	52.87	56.1	0.94	0.85	1.00	1.00	1.99	52.9	2199	0.00	2.00	3.78	1.20	4.53	95	2294	1155
1	5.00	0.00	65.50	20.06	0.50	2.62	16.28	16.28	9.9	1.00	0.85	1.00	1.00	2.10	18.5	780	0.00	2.00	1.26	1.20	1.51	30	399	567

Concentrated Loads for Load Case "LC6: DL + WI (Ice)":

Joint Label	Force X-Dir (lbs)	Force Y-Dir (lbs)	Force Vertical (lbs)	Moment X-Axis (ft-lbs)	Moment Y-Axis (ft-lbs)	Moment Z-Axis (ft-lbs)	Load Comment
140P	-984	0	1511	0	0	0	
1401	-984	0	1511	0	0	0	
1402	-984	0	1511	0	0	0	

Equipment Load Case Information for "LC6: DL + WI (Ice)":

Equipment	Equipment	Elevation	qzGh	Ice	Total	Wind	222-G	222-G	222-G	Antenna	Antenna	Antenna	Long.	Trans.	Vert.

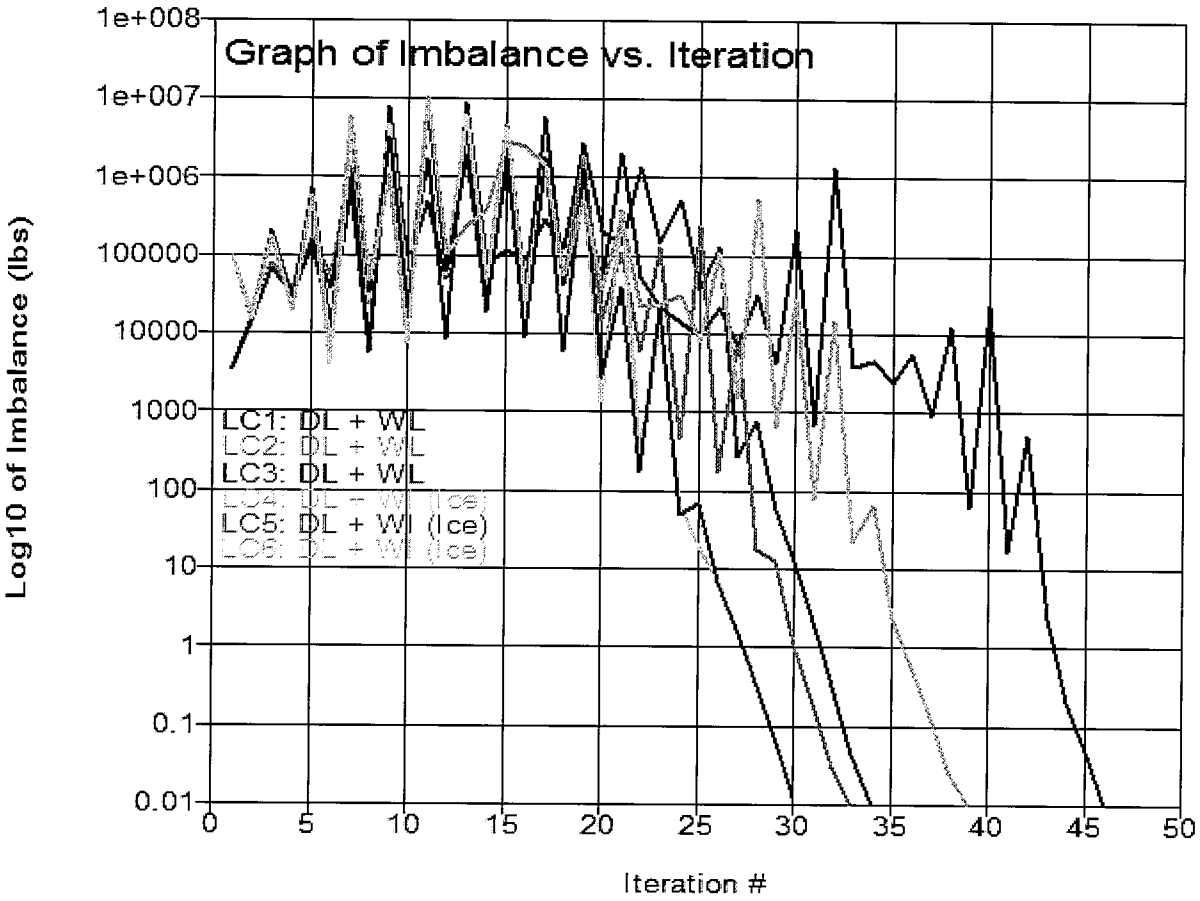
Label	Property Set	Above Ground (ft)	(psf)	Thick. (in)	Wind Area (ft^2)	Incidence Angle (deg)	CA	CS	CM	Axial Load FAM (lbs)	Side Load FSM (lbs)	Moment MM (ft-lbs)	Load (lbs)	Load (lbs)	Load (lbs)
Lightning Rod	Lightning Rod	143.09	25.08	0.50	0.58	180.00							-14.48	0.00	16.52
Leg Extension	Leg Extension	143.09	25.08	0.50	1.51	180.00							-37.75	0.00	30.00
Yagi Antenna	PC9013N Yagi Antenna	83.25	21.48	0.50	0.95	180.00							-20.36	0.00	10.00
Grid Dish	MF-900B Grid Dish	95.30	22.33	0.50	0.51	180.00	-1.05470			74.71			-74.71	0.00	26.53
Grid Dish Mount	Grid Dish Mount Pipe	95.30	22.33	0.50	0.99	180.00							-22.03	0.00	15.43
GPS	GPS	82.50	21.43	0.50	0.60	180.00							-12.77	0.00	12.80
Dish1 (Sprint)	VHLP2.5-18-2WH Dish	137.77	24.81	0.50	0.33	0.00	1.26170			10.41			-10.41	0.00	0.00
Dish2 (Sprint)	VHLP2.5-18-2WH Dish	137.77	24.81	0.50	0.33	0.00	1.26170			10.41			-10.41	0.00	0.00
FM Antenna	FM Antenna	110.51	23.29	0.50	18.21	180.00							-424.11	0.00	191.67

EIA Section Load Case Information for "LC6: DL + WI (Ice)":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
5	80.09	60.06	133.08	24.56	0.50	7.00	61.74	61.73	74.9	0.92	0.80	1.00	1.00	1.95	67.3	3226	0.00	2.00	5.02	1.20	6.02	148	3374	2329
4	60.06	40.03	113.05	23.44	0.50	0.00	63.05	58.74	74.9	0.84	0.80	1.00	0.93	1.85	58.7	2552	0.00	2.00	5.04	1.20	6.05	142	2694	1325
3	40.03	20.00	93.02	22.17	0.50	0.00	66.88	65.34	74.9	0.89	0.80	1.00	0.98	1.91	65.3	2774	0.00	2.00	5.04	1.20	6.05	134	2908	1351
2	20.00	5.00	75.50	20.89	0.50	0.00	52.87	52.87	56.1	0.94	0.80	1.00	1.00	1.99	52.9	2199	0.00	2.00	3.78	1.20	4.53	95	2294	1155
1	5.00	0.00	65.50	20.06	0.50	2.62	16.28	16.28	9.9	1.00	0.80	1.00	1.00	2.10	18.4	774	0.00	2.00	1.26	1.20	1.51	30	399	567

*** Analysis Results:

Maximum element usage is 98.85% for Guy "Guy1c" in load case "LC4: DL + WI (Ice)"



Angle Forces For All Load Cases:
Positive for tension - negative for compression

Group Label	Angle Label	Max. Usage For All LC %	Max. Tens. For All LC (kips)	Max. Comp. For All LC (kips)	LC 1 (kips)	LC 2 (kips)	LC 3 (kips)	LC 4 (kips)	LC 5 (kips)	LC 6 (kips)
Leg1	Leg1aP	15.39	0.000	-14.555	-7.913	-8.553	-8.929	-7.964	-11.473	-14.555
Leg1	Leg1a1	18.15	0.000	-17.167	-12.197	-10.740	-4.791	-17.167	-16.411	-5.659
Leg1	Leg1a2	18.16	0.000	-17.179	-12.206	-6.044	-5.055	-17.179	-6.141	-6.019
Leg1	Leg1bP	15.18	0.000	-14.360	-7.969	-8.362	-8.667	-8.017	-11.263	-14.360
Leg1	Leg1b1	17.74	0.000	-16.782	-11.831	-10.591	-4.817	-16.782	-16.264	-5.683
Leg1	Leg1b2	17.84	0.000	-16.880	-11.927	-6.091	-4.846	-16.880	-6.181	-5.815
Leg1	Leg1cP	15.10	0.000	-14.279	-7.898	-8.318	-8.629	-7.914	-11.186	-14.279
Leg1	Leg1c1	17.67	0.000	-16.710	-11.797	-10.528	-4.764	-16.710	-16.167	-5.606
Leg1	Leg1c2	17.77	0.000	-16.803	-11.880	-6.030	-4.828	-16.803	-6.093	-5.763
Leg1	Leg1dP	15.27	0.000	-14.450	-8.069	-8.489	-8.755	-8.105	-11.425	-14.450
Leg1	Leg1d1	18.01	0.000	-17.035	-12.033	-10.672	-4.842	-17.035	-16.357	-5.676
Leg1	Leg1d2	18.02	0.000	-17.047	-12.085	-6.150	-4.957	-17.047	-6.216	-5.933

Leg1	Leg1eP	13.92	0.000	-13.528	-7.327	-7.758	-8.123	-7.189	-10.389	-13.528
Leg1	Leg1e1	16.13	0.000	-15.679	-11.058	-9.910	-4.423	-15.679	-15.308	-5.155
Leg1	Leg1e2	16.33	0.000	-15.866	-11.171	-5.583	-4.451	-15.866	-5.527	-5.211
Leg2	Leg2aP	13.80	0.000	-13.144	-7.266	-7.658	-7.946	-7.229	-10.275	-13.144
Leg2	Leg2a1	16.19	0.000	-15.421	-10.901	-9.715	-4.343	-15.421	-14.902	-5.069
Leg2	Leg2a2	16.27	0.000	-15.497	-10.976	-5.523	-4.405	-15.497	-5.528	-5.224
Leg2	Leg2bP	16.27	0.000	-14.055	-6.942	-7.477	-8.230	-6.240	-9.717	-14.055
Leg2	Leg2b1	18.48	0.000	-15.964	-10.864	-10.047	-4.312	-15.376	-15.964	-5.008
Leg2	Leg2b2	19.02	0.000	-16.435	-11.275	-5.315	-4.080	-16.435	-4.930	-4.265
Leg2	Leg2cP	18.25	0.000	-15.781	-6.322	-7.786	-8.764	-4.349	-10.713	-15.781
Leg2	Leg2c1	19.82	0.000	-17.136	-11.395	-10.335	-3.727	-17.136	-16.953	-3.187
Leg2	Leg2c2	19.01	0.000	-16.434	-11.278	-4.635	-4.049	-16.434	-2.809	-4.224
Leg2	Leg2dP	20.03	0.000	-17.309	-5.831	-7.509	-9.207	-2.712	-9.783	-17.309
Leg2	Leg2d1	21.68	0.000	-18.734	-11.368	-10.853	-3.702	-17.098	-18.734	-3.121
Leg2	Leg2d2	20.83	0.000	-17.998	-11.739	-4.320	-3.569	-17.998	-1.829	-2.636
Leg2	Leg2eP	21.52	0.000	-18.601	-5.441	-7.710	-9.555	-1.320	-10.542	-18.601
Leg2	Leg2e1	22.52	0.000	-19.474	-11.709	-11.044	-3.334	-18.423	-19.474	-1.763
Leg2	Leg2e2	20.83	0.000	-18.006	-11.761	-3.888	-3.539	-18.006	-0.254	-2.611
Leg2	Leg2fP	22.78	0.000	-19.681	-5.179	-7.542	-9.758	-0.132	-9.830	-19.681
Leg2	Leg2f1	24.02	0.000	-20.755	-11.644	-11.300	-3.326	-18.332	-20.755	-1.733
Leg2	Leg2f2	22.16	0.450	-19.144	-11.997	-3.717	-3.256	-19.144	0.450	-1.422
Leg2	Leg2gP	23.83	0.936	-20.599	-4.997	-7.595	-9.857	0.936	-10.363	-20.599
Leg2	Leg2g1	24.57	0.000	-21.242	-11.726	-11.318	-3.166	-19.266	-21.242	-0.695
Leg2	Leg2g2	22.08	1.656	-19.091	-11.972	-3.525	-3.212	-19.091	1.656	-1.373
Leg2	Leg2hP	22.24	1.405	-21.009	-4.960	-7.558	-9.867	1.405	-10.069	-21.009
Leg2	Leg2h1	23.03	0.000	-21.757	-11.707	-11.358	-3.171	-19.235	-21.757	-0.685
Leg2	Leg2h2	20.70	1.932	-19.555	-12.019	-3.498	-3.155	-19.555	1.932	-0.891
Leg3	Leg3aP	31.43	1.475	-20.931	-4.920	-7.516	-9.823	1.475	-9.995	-20.931
Leg3	Leg3a1	32.56	0.000	-21.682	-11.667	-11.316	-3.127	-19.165	-21.682	-0.607
Leg3	Leg3a2	29.26	2.007	-19.485	-11.979	-3.456	-3.111	-19.485	2.007	-0.813
Leg3	Leg3bP	34.44	1.540	-20.857	-5.095	-7.623	-9.573	1.540	-9.953	-20.857
Leg3	Leg3b1	35.72	0.000	-21.638	-11.623	-11.050	-3.105	-19.099	-21.638	-0.567
Leg3	Leg3b2	32.07	2.055	-19.426	-11.730	-3.545	-3.278	-19.426	2.055	-0.747
Leg3	Leg3cP	34.27	1.454	-20.756	-5.556	-7.317	-9.125	1.454	-9.817	-20.756
Leg3	Leg3c1	35.56	0.000	-21.540	-11.126	-10.750	-3.587	-18.936	-21.540	-0.694
Leg3	Leg3c2	32.15	1.969	-19.471	-11.768	-4.058	-3.220	-19.471	1.969	-0.656
Leg3	Leg3dP	33.60	1.098	-20.351	-6.148	-7.670	-8.515	1.098	-10.034	-20.351
Leg3	Leg3d1	34.88	0.000	-21.124	-11.092	-10.091	-3.610	-18.896	-21.124	-0.699
Leg3	Leg3d2	31.50	1.769	-19.077	-11.177	-4.399	-3.760	-19.077	1.769	-0.959
Leg3	Leg3eP	32.59	0.528	-19.740	-6.831	-7.214	-7.811	0.528	-9.612	-19.740
Leg3	Leg3e1	34.18	0.000	-20.703	-10.341	-9.629	-4.300	-18.229	-20.703	-1.264
Leg3	Leg3e2	31.45	1.145	-19.048	-11.169	-5.164	-3.696	-19.048	1.145	-0.870
Leg3	Leg3fP	31.13	0.000	-18.858	-7.670	-7.727	-6.942	-0.301	-10.108	-18.858
Leg3	Leg3f1	32.61	0.000	-19.755	-10.307	-8.681	-4.318	-18.176	-19.755	-1.278
Leg3	Leg3f2	30.03	0.673	-18.190	-10.321	-5.644	-4.468	-18.190	0.673	-1.599
Leg3	Leg3gP	29.38	0.000	-17.798	-8.597	-7.075	-5.989	-1.299	-9.337	-17.798
Leg3	Leg3g1	31.47	0.000	-19.064	-9.309	-8.065	-5.281	-17.050	-19.064	-2.322
Leg3	Leg3g2	30.07	0.000	-18.211	-10.346	-6.681	-4.391	-18.211	-0.438	-1.483
Leg3	Leg3hP	27.02	0.000	-16.363	-9.753	-7.782	-4.795	-2.677	-10.160	-16.363
Leg3	Leg3h1	28.99	0.000	-17.557	-9.243	-6.799	-5.327	-16.952	-17.557	-2.379
Leg3	Leg3h2	27.71	0.000	-16.782	-9.167	-7.420	-5.471	-16.782	-1.336	-2.738
Leg3	Leg3iP	24.18	0.000	-14.645	-11.109	-6.851	-3.427	-4.395	-8.968	-14.645
Leg3	Leg3i1	26.96	0.000	-16.328	-7.777	-5.834	-6.707	-15.095	-16.328	-4.088
Leg3	Leg3i2	27.62	0.000	-16.729	-9.144	-8.889	-5.386	-16.729	-3.161	-2.620
Leg3	Leg3jP	20.64	0.000	-13.639	-11.893	-7.336	-2.645	-5.390	-9.574	-13.639
Leg3	Leg3j1	23.10	0.000	-15.265	-7.757	-5.010	-6.740	-15.061	-15.265	-4.119
Leg3	Leg3j2	23.84	0.000	-15.752	-8.400	-9.388	-6.091	-15.752	-3.794	-3.501
Leg4	Leg4aP	20.36	0.000	-13.562	-11.857	-7.297	-2.604	-5.322	-9.501	-13.562
Leg4	Leg4a1	22.81	0.000	-15.192	-7.721	-4.971	-6.699	-14.993	-15.192	-4.042
Leg4	Leg4a2	23.55	0.000	-15.684	-8.363	-9.349	-6.050	-15.684	-3.721	-3.424
Leg4	Leg4bP	21.16	0.000	-12.817	-12.817	-7.881	-1.582	-6.670	-10.305	-12.126
Leg4	Leg4b1	24.66	0.000	-14.937	-7.687	-3.828	-6.690	-14.937	-13.591	-4.029
Leg4	Leg4b2	23.41	0.000	-14.178	-7.285	-9.898	-7.018	-14.178	-4.503	-4.738
Leg4	Leg4cP	24.50	0.364	-14.836	-14.836	-6.623	0.364	-9.502	-8.516	-9.421
Leg4	Leg4c1	19.96	0.000	-12.091	-5.690	-2.634	-8.668	-12.091	-11.904	-6.799
Leg4	Leg4c2	23.46	0.000	-14.210	-7.314	-12.102	-6.925	-14.210	-7.585	-4.586
Leg4	Leg4dP	27.98	2.495	-16.950	-16.950	-7.985	2.495	-12.456	-10.342	-6.457
Leg4	Leg4d1	19.85	0.000	-12.023	-5.640	-0.406	-8.748	-12.023	-8.733	-6.901
Leg4	Leg4d2	22.14	0.000	-13.411	-5.325	-13.411	-8.810	-11.345	-9.401	-7.243
Leg4	Leg4eP	31.54	4.864	-19.103	-19.103	-6.182	4.864	-15.443	-7.954	-3.205
Leg4	Leg4e1	18.23	1.254	-11.040	-3.288	1.254	-11.040	-8.746	-6.568	-10.039
Leg4	Leg4e2	25.92	0.000	-15.702	-5.328	-15.702	-8.698	-11.334	-12.677	-7.071
Leg4	Leg4fP	35.74	7.440	-21.645	-21.645	-8.088	7.440	-18.938	-10.355	0.320
Leg4	Leg4f1	18.31	3.741	-11.088	-3.266	3.741	-11.088	-8.712	-2.963	-10.106
Leg4	Leg4f2	29.19	0.000	-17.681	-2.654	-17.681	-11.240	-7.685	-15.164	-10.467
Leg4	Leg4gP	40.21	10.081	-24.358	-24.358	-5.951	10.081	-22.668	-7.632	3.915
Leg4	Leg4g1	22.89	5.914	-13.864	-0.465	5.914	-13.864	-4.866	-0.259	-13.862
Leg4	Leg4g2	33.43	0.000	-20.250	-2.676	-20.250	-11.124	-7.702	-18.904	-10.286
Leg4	Leg4hP	45.03	13.058	-27.273	-27.273	-8.155	13.058	-26.704	-10.385	8.009
Leg4	Leg4h1	23.09	8.711	-13.985	-0.398	8.711	-13.946	-4.764	3.855	-13.985
Leg4	Leg4h2	37.16	0.228	-22.507	0.228	-22.507	-13.873	-3.650	-21.771	-14.047

Leg4	Leg4iP	51.40	16.164	-31.131	-30.436	-5.709	16.164	-31.131	-7.225	12.311
Leg4	Leg4i1	30.33	11.136	-18.372	2.821	11.136	-17.126	-0.250	6.972	-18.372
Leg4	Leg4i2	43.37	0.250	-26.268	0.250	-25.562	-13.757	-3.600	-26.268	-13.868
Leg4	Leg4jP	50.66	17.866	-33.473	-32.116	-6.931	17.866	-33.473	-8.785	14.686
Leg4	Leg4j1	27.90	12.771	-18.433	2.845	12.771	-17.176	-0.213	9.399	-18.433
Leg4	Leg4j2	42.19	1.927	-27.878	1.927	-26.813	-15.359	-1.231	-27.878	-16.073
Leg5	Leg5aP	33.55	17.926	-33.382	-32.061	-6.873	17.926	-33.382	-8.689	14.785
Leg5	Leg5a1	18.43	12.828	-18.333	2.900	12.828	-17.116	-0.122	9.494	-18.333
Leg5	Leg5a2	27.92	1.982	-27.782	1.982	-26.755	-15.298	-1.140	-27.782	-15.974
Leg5	Leg5bP	39.56	20.025	-35.606	-33.491	-6.558	20.025	-35.606	-8.262	17.850
Leg5	Leg5b1	21.54	14.791	-19.388	4.263	14.791	-17.806	1.822	12.339	-19.388
Leg5	Leg5b2	33.01	3.396	-29.716	3.396	-28.017	-15.957	0.869	-29.716	-16.964
Leg5	Leg5cP	23.82	17.933	-21.439	-21.283	-0.995	17.933	-21.439	-1.429	16.529
Leg5	Leg5c1	15.53	15.568	-12.165	8.788	15.568	-11.701	7.892	14.306	-12.165
Leg5	Leg5c2	20.62	8.877	-18.557	8.877	-18.383	-10.188	8.071	-18.557	-10.196
Leg5	Leg5dP	18.89	13.591	-17.001	-16.811	-1.088	13.591	-17.001	-1.567	12.286
Leg5	Leg5d1	11.73	11.754	-9.833	6.492	11.754	-9.375	5.612	10.567	-9.833
Leg5	Leg5d2	16.40	6.558	-14.758	6.558	-14.550	-8.198	5.748	-14.758	-8.303
Leg5	Leg5eP	14.05	9.433	-12.650	-12.338	-1.071	9.433	-12.650	-1.559	8.383
Leg5	Leg5e1	8.36	8.131	-7.527	4.381	8.131	-7.038	3.625	7.162	-7.527
Leg5	Leg5e2	12.28	4.426	-11.050	4.426	-10.730	-6.182	3.716	-11.050	-6.415
Leg5	Leg5fP	9.64	5.448	-8.677	-8.145	-1.113	5.448	-8.677	-1.628	4.710
Leg5	Leg5f1	6.02	4.649	-5.421	2.317	4.649	-4.848	1.697	3.945	-5.421
Leg5	Leg5f2	8.51	2.354	-7.657	2.354	-7.142	-4.311	1.764	-7.657	-4.724
Leg5	Leg5gP	5.22	1.397	-4.697	-3.831	-1.121	1.397	-4.697	-1.652	1.114
Leg5	Leg5g1	3.66	1.114	-3.296	0.241	1.114	-2.580	-0.161	0.804	-3.296
Leg5	Leg5g2	4.73	0.262	-4.255	0.262	-3.441	-2.365	-0.131	-4.255	-3.014
Leg5	Leg5hP	1.17	0.587	-1.055	-0.624	-0.138	0.304	-1.055	-0.206	0.587
Leg5	Leg5h1	0.71	0.511	-0.643	0.113	0.265	-0.386	0.232	0.511	-0.643
Leg5	Leg5h2	1.02	0.248	-0.915	0.129	-0.533	-0.339	0.248	-0.915	-0.580
Leg5	Leg5iP	0.49	0.146	-0.438	-0.304	-0.091	0.107	-0.438	-0.135	0.146
Leg5	Leg5i1	0.32	0.126	-0.287	0.025	0.091	-0.199	0.030	0.126	-0.287
Leg5	Leg5i2	0.41	0.046	-0.369	0.039	-0.253	-0.169	0.046	-0.369	-0.250
Leg5	Leg5jP	0.09	0.000	-0.091	-0.057	-0.060	-0.062	-0.084	-0.088	-0.091
Leg5	Leg5j1	0.08	0.000	-0.078	-0.052	-0.053	-0.055	-0.072	-0.075	-0.078
Leg5	Leg5j2	0.06	0.000	-0.062	-0.037	-0.039	-0.040	-0.057	-0.060	-0.062
Horz1	Horz1aP	0.97	0.541	-0.115	0.037	0.539	-0.006	0.020	0.541	-0.115
Horz1	Horz1a1	1.92	1.068	-0.207	1.021	-0.167	-0.115	1.068	-0.207	-0.043
Horz1	Horz1a2	1.29	0.719	-0.249	-0.228	-0.003	0.719	-0.249	0.013	0.590
Horz1	Horz1bP	0.21	0.119	0.000	0.084	0.007	0.061	0.119	0.058	0.102
Horz1	Horz1b1	0.21	0.117	-0.051	-0.051	0.095	0.060	-0.006	0.117	0.055
Horz1	Horz1b2	0.24	0.135	-0.043	0.120	0.068	-0.043	0.135	0.083	0.022
Horz1	Horz1cP	1.24	0.000	-0.545	-0.318	-0.360	-0.161	-0.444	-0.545	-0.173
Horz1	Horz1c1	1.49	0.000	-0.656	-0.481	-0.173	-0.116	-0.656	-0.160	-0.123
Horz1	Horz1c2	1.09	0.000	-0.479	-0.223	-0.221	-0.322	-0.201	-0.283	-0.479
Horz1	Horz1dP	3.74	2.084	0.000	1.233	1.368	0.794	1.650	2.084	1.058
Horz1	Horz1d1	4.35	2.427	0.000	1.704	0.897	0.462	2.427	1.042	0.472
Horz1	Horz1d2	3.00	1.669	0.000	1.044	0.831	1.058	1.114	1.016	1.669
Horz2	Horz2aP	17.80	2.005	0.000	1.324	1.228	0.616	2.005	1.895	0.596
Horz2	Horz2a1	17.64	1.986	0.000	1.456	0.758	0.542	1.986	0.658	0.694
Horz2	Horz2a2	15.15	1.706	0.000	0.954	0.925	0.999	0.886	1.346	1.706
Horz2	Horz2bP	4.44	0.377	-0.329	-0.017	0.045	0.055	-0.329	0.014	0.377
Horz2	Horz2b1	3.15	0.355	-0.141	0.054	0.051	-0.016	0.188	0.355	-0.141
Horz2	Horz2b2	3.90	0.248	-0.289	0.044	-0.038	-0.004	0.248	-0.289	-0.180
Horz3	Horz3aP	1.72	0.170	-0.128	-0.128	0.025	0.170	0.011	0.102	0.038
Horz3	Horz3a1	1.33	0.149	-0.076	0.122	0.149	-0.076	0.125	-0.004	-0.062
Horz3	Horz3a2	1.79	0.102	-0.132	0.102	-0.132	-0.050	-0.023	-0.050	0.075
Horz3	Horz3bP	9.50	0.771	-0.704	0.622	0.236	-0.553	0.771	0.311	-0.704
Horz3	Horz3b1	8.98	0.219	-0.666	-0.139	-0.502	0.189	-0.146	-0.666	0.219
Horz3	Horz3b2	6.97	0.591	-0.517	-0.370	0.472	0.389	-0.517	0.591	0.503
Horz4	Horz4aP	14.46	1.104	-1.072	-0.775	-0.188	0.786	-1.072	-0.219	1.104
Horz4	Horz4a1	8.96	1.009	-0.397	0.303	0.712	-0.268	0.433	1.009	-0.397
Horz4	Horz4a2	10.91	0.768	-0.809	0.556	-0.545	-0.481	0.768	-0.809	-0.633
Horz4	Horz4bP	23.36	1.979	-1.731	1.430	0.531	-1.260	1.979	0.689	-1.731
Horz4	Horz4b1	20.26	0.644	-1.502	-0.342	-1.007	0.500	-0.440	-1.502	0.644
Horz4	Horz4b2	15.84	1.631	-1.175	-0.808	1.256	0.913	-1.175	1.631	1.292
Horz5	Horz5aP	6.82	0.768	0.000	0.220	0.506	0.054	0.231	0.768	0.121
Horz5	Horz5a1	6.80	0.765	-0.306	0.492	-0.029	-0.143	0.765	-0.066	-0.306
Horz5	Horz5a2	5.24	0.590	-0.214	-0.096	0.044	0.389	-0.214	-0.054	0.590
Horz5b	Horz5bP	18.36	1.329	-5.481	1.197	-4.631	-2.230	1.329	-5.481	-2.559
Horz5b	Horz5b1	21.98	4.340	-6.561	-5.551	-0.407	3.807	-6.561	-0.450	4.340
Horz5b	Horz5b2	11.06	3.380	-3.301	1.133	2.964	-2.766	1.284	3.380	-3.301
Horz5	Horz5cP	1.23	0.138	-0.057	-0.039	0.112	0.039	-0.057	0.138	0.058
Horz5	Horz5c1	1.67	0.141	-0.123	0.108	-0.003	-0.095	0.141	-0.006	-0.123
Horz5	Horz5c2	1.71	0.060	-0.127	-0.033	-0.104	0.042	-0.046	-0.127	0.060
Diag2	Diag2aP	27.41	1.687	-1.693	-0.536	-0.282	0.545	-1.693	-0.926	1.687
Diag2	Diag2a1	17.33	1.951	-0.038	-0.030	0.631	-0.015	-0.019	1.951	-0.038
Diag2	Diag2a2	26.46	1.725	-1.634	0.568	-0.329	-0.536	1.725	-0.994	-1.634
Diag2	Diag2bP	24.00	1.504	-1.485	0.448	0.270	-0.455	1.504	0.903	-1.485
Diag2	Diag2b1	28.40	0.044	-1.757	0.015	-0.541	-0.029	0.044	-1.757	-0.039
Diag2	Diag2b2	25.54	1.510	-1.580	-0.498	0.261	0.457	-1.580	0.849	1.510

Diag2 Diag2cP	21.80	1.307	-1.346	-0.388	-0.184	0.376	-1.346	-0.686	1.307
Diag2 Diag2c1	13.16	1.482	-0.084	0.005	0.423	-0.031	0.040	1.482	-0.084
Diag2 Diag2c2	20.19	1.271	-1.246	0.361	-0.260	-0.357	1.271	-0.829	-1.246
Diag2 Diag2dP	16.83	1.076	-1.041	0.256	0.195	-0.237	1.076	0.700	-1.041
Diag2 Diag2d1	20.30	0.118	-1.255	0.082	-0.305	-0.041	0.118	-1.255	-0.057
Diag2 Diag2d2	18.49	1.127	-1.144	-0.296	0.139	0.304	-1.144	0.591	1.127
Diag2 Diag2eP	15.81	0.953	-0.976	-0.173	-0.064	0.167	-0.976	-0.502	0.953
Diag2 Diag2e1	9.72	1.094	-0.038	0.003	0.191	-0.014	0.020	1.094	-0.038
Diag2 Diag2e2	14.90	0.947	-0.920	0.163	-0.127	-0.158	0.947	-0.594	-0.920
Diag2 Diag2fP	13.34	0.751	-0.825	0.012	0.008	-0.076	0.751	0.434	-0.825
Diag2 Diag2f1	15.93	0.000	-0.985	-0.004	-0.111	-0.051	-0.008	-0.985	-0.055
Diag2 Diag2f2	14.42	0.786	-0.892	-0.122	0.007	0.060	-0.892	0.424	0.786
Diag3 Diag3aP	6.48	0.343	-0.398	0.343	0.227	-0.398	-0.040	0.006	-0.046
Diag3 Diag3a1	7.05	0.000	-0.433	-0.046	-0.433	-0.003	-0.056	-0.013	-0.003
Diag3 Diag3a2	6.63	0.331	-0.407	-0.407	0.191	0.331	-0.044	-0.022	-0.048
Diag3 Diag3bP	8.16	0.489	-0.501	-0.501	-0.269	0.489	-0.267	-0.103	0.246
Diag3 Diag3b1	4.49	0.506	-0.097	0.055	0.506	-0.070	0.082	0.202	-0.097
Diag3 Diag3b2	6.88	0.438	-0.423	0.438	-0.315	-0.423	0.168	-0.197	-0.159
Diag3 Diag3cP	8.96	0.574	-0.551	0.574	0.388	-0.551	0.421	0.344	-0.400
Diag3 Diag3c1	10.11	0.071	-0.621	0.027	-0.621	0.008	0.071	-0.466	-0.020
Diag3 Diag3c2	9.33	0.566	-0.573	-0.573	0.322	0.566	-0.465	0.221	0.443
Diag3 Diag3dP	11.68	0.702	-0.718	-0.718	-0.393	0.702	-0.694	-0.336	0.664
Diag3 Diag3d1	6.76	0.761	-0.109	0.045	0.761	-0.069	0.079	0.697	-0.109
Diag3 Diag3d2	10.39	0.663	-0.638	0.663	-0.447	-0.638	0.600	-0.459	-0.566
Diag3 Diag3eP	13.40	0.828	-0.823	0.794	0.546	-0.794	0.828	0.604	-0.823
Diag3 Diag3e1	14.80	0.046	-0.910	0.018	-0.876	-0.001	0.046	-0.910	-0.016
Diag3 Diag3e2	13.88	0.787	-0.853	-0.799	0.433	0.760	-0.853	0.438	0.787
Diag3 Diag3fP	17.84	1.084	-1.096	-0.934	-0.505	0.941	-1.096	-0.550	1.084
Diag3 Diag3f1	9.90	1.114	-0.153	0.094	0.988	-0.101	0.144	1.114	-0.153
Diag3 Diag3f2	15.38	1.027	-0.945	0.902	-0.646	-0.845	1.027	-0.792	-0.945
Diag3 Diag3gP	22.41	1.394	-1.377	1.135	0.775	-1.127	1.394	0.967	-1.377
Diag3 Diag3g1	24.05	0.031	-1.478	0.010	-1.208	0.018	0.031	-1.478	0.017
Diag3 Diag3g2	23.30	1.336	-1.432	-1.145	0.692	1.095	-1.432	0.856	1.336
Diag3 Diag3hP	29.62	1.703	-1.820	-1.417	-0.892	1.341	-1.820	-1.136	1.703
Diag3 Diag3h1	16.03	1.805	-0.125	0.002	1.416	-0.096	-0.002	1.805	-0.125
Diag3 Diag3h2	26.45	1.659	-1.625	1.278	-0.916	-1.281	1.659	-1.183	-1.625
Diag4 Diag4aP	40.18	2.433	-2.469	1.722	1.062	-1.768	2.433	1.478	-2.469
Diag4 Diag4a1	44.98	0.041	-2.764	-0.028	-1.984	0.018	-0.041	-2.764	0.041
Diag4 Diag4a2	42.29	2.379	-2.599	-1.872	1.000	1.740	-2.599	1.441	2.379
Diag4 Diag4bP	41.08	2.481	-2.524	-1.768	-1.009	1.756	-2.524	-1.432	2.481
Diag4 Diag4b1	24.27	2.733	-0.160	0.055	1.935	-0.109	0.076	2.733	-0.160
Diag4 Diag4b2	37.79	2.454	-2.322	1.721	-1.185	-1.654	2.454	-1.650	-2.322
Diag4 Diag4cP	43.59	2.743	-2.678	1.990	1.428	-1.966	2.743	1.852	-2.678
Diag4 Diag4c1	45.48	0.087	-2.795	-0.001	-1.959	0.068	0.015	-2.795	0.087
Diag4 Diag4c2	41.29	2.430	-2.537	-1.754	1.158	1.703	-2.537	1.616	2.430
Diag4 Diag4dP	48.40	2.922	-2.974	-2.127	-1.465	2.111	-2.974	-1.901	2.922
Diag4 Diag4d1	27.04	3.045	-0.149	0.035	2.113	-0.093	0.055	3.045	-0.149
Diag4 Diag4d2	47.52	3.071	-2.920	2.273	-1.765	-2.197	3.071	-2.230	-2.920
Diag4 Diag4eP	52.48	3.249	-3.225	2.386	1.927	-2.395	3.249	2.395	-3.225
Diag4 Diag4e1	52.87	0.055	-3.248	0.029	-2.240	0.027	0.055	-3.248	0.035
Diag4 Diag4e2	53.77	3.134	-3.304	-2.412	1.758	2.319	-3.304	2.219	3.134
Diag4 Diag4fP	56.54	3.462	-3.474	-2.523	-1.869	2.534	-3.474	-2.309	3.462
Diag4 Diag4f1	30.26	3.408	-0.218	0.101	2.322	-0.140	0.145	3.408	-0.218
Diag4 Diag4f2	51.07	3.332	-3.138	2.403	-1.976	-2.303	3.332	-2.520	-3.138
Diag4 Diag4gP	60.07	3.702	-3.691	2.648	2.049	-2.680	3.702	2.609	-3.691
Diag4 Diag4g1	61.60	0.067	-3.785	0.015	-2.576	0.041	0.025	-3.785	0.067
Diag4 Diag4g2	61.10	3.558	-3.754	-2.687	2.036	2.578	-3.754	2.600	3.558
Diag4 Diag4hP	68.37	4.107	-4.201	-2.999	-2.193	2.960	-4.201	-2.823	4.107
Diag4 Diag4h1	37.34	4.205	-0.181	0.006	2.843	-0.128	-0.003	4.205	-0.181
Diag4 Diag4h2	64.47	4.108	-3.962	2.921	-2.243	-2.862	4.108	-2.911	-3.962
Diag5 Diag5aP	35.43	2.090	-2.798	1.354	1.408	-1.918	2.090	1.785	-2.798
Diag5 Diag5a1	40.20	0.000	-3.175	-0.022	-2.128	-0.496	-0.106	-3.175	-0.543
Diag5 Diag5a2	43.10	2.551	-3.404	-2.450	0.800	1.822	-3.404	1.179	2.551
Diag5 Diag5bP	40.89	2.504	-3.229	-2.319	-1.269	1.781	-3.229	-1.750	2.504
Diag5 Diag5b1	20.66	2.327	-0.706	0.017	1.489	-0.595	-0.050	2.327	-0.706
Diag5 Diag5b2	31.80	1.917	-2.512	1.225	-1.902	-1.717	1.917	-2.443	-2.512
Diag5 Diag5cP	25.06	1.881	-1.979	-1.979	-1.187	1.881	-1.969	-1.191	1.837
Diag5 Diag5c1	19.31	2.175	-0.179	-0.123	2.175	-0.060	-0.179	2.143	-0.069
Diag5 Diag5c2	24.02	1.943	-1.897	1.943	-1.128	-1.897	1.936	-1.114	-1.869
Diag5 Diag5dP	25.48	1.961	-2.012	1.961	1.003	-2.003	1.959	0.927	-2.012
Diag5 Diag5d1	28.53	0.164	-2.253	-0.106	-2.253	0.120	-0.146	-2.248	0.164
Diag5 Diag5d2	25.38	1.784	-2.004	-2.004	1.164	1.784	-2.003	1.180	1.708
Diag5 Diag5eP	24.75	1.961	-1.955	-1.955	-1.058	1.961	-1.909	-0.968	1.916
Diag5 Diag5e1	19.69	2.218	-0.143	0.038	2.218	-0.098	0.062	2.155	-0.143
Diag5 Diag5e2	22.92	1.979	-1.810	1.979	-1.148	-1.810	1.926	-1.138	-1.695
Diag5 Diag5fP	24.44	1.991	-1.930	1.991	1.137	-1.930	1.943	1.104	-1.856
Diag5 Diag5f1	27.86	0.108	-2.200	0.050	-2.200	0.097	0.089	-2.130	0.108
Diag5 Diag5f2	24.80	1.866	-1.958	-1.958	1.165	1.866	-1.918	1.131	1.792
Diag5 Diag5gP	24.43	1.883	-1.929	-1.929	-1.026	1.883	-1.855	-0.940	1.789
Diag5 Diag5g1	18.77	2.114	-0.182	0.030	2.114	-0.144	0.028	2.003	-0.182
Diag5 Diag5g2	22.18	1.858	-1.752	1.858	-1.159	-1.752	1.767	-1.127	-1.621

Diag5	Diag5hP	23.41	1.852	-1.848	1.852	1.083	-1.848	1.756	1.007	-1.748
Diag5	Diag5h1	26.91	0.061	-2.125	0.046	-2.125	0.037	0.061	-2.017	0.050
Diag5	Diag5h2	24.32	1.778	-1.920	-1.920	1.055	1.778	-1.844	0.997	1.650
Diag5	Diag5iP	22.89	1.801	-1.807	-1.807	-1.105	1.801	-1.688	-0.965	1.677
Diag5	Diag5i1	18.56	2.090	-0.088	-0.088	2.090	0.000	-0.061	1.929	-0.057
Diag5	Diag5i2	22.46	1.903	-1.774	1.903	-1.008	-1.774	1.759	-0.964	-1.580
Diag5	Diag5jP	23.68	1.909	-1.870	1.909	0.967	-1.870	1.766	0.890	-1.708
Diag5	Diag5j1	26.32	0.182	-2.078	-0.075	-2.078	0.182	-0.032	-1.912	0.175
Diag5	Diag5j2	22.89	1.696	-1.808	-1.808	1.172	1.696	-1.691	1.073	1.538
Diag5	Diag5kP	23.63	1.816	-1.866	-1.866	-0.626	1.816	-1.699	-0.568	1.624
Diag5	Diag5k1	16.60	1.870	-0.441	0.355	1.870	-0.441	0.288	1.686	-0.403
Diag5	Diag5k2	17.52	1.489	-1.384	1.489	-1.303	-1.384	1.371	-1.169	-1.227
Diag5	Diag5lP	19.02	1.489	-1.502	1.489	1.248	-1.502	1.368	1.081	-1.382
Diag5	Diag5l1	23.95	0.370	-1.892	0.370	-1.892	-0.279	0.318	-1.721	-0.197
Diag5	Diag5l2	23.57	1.752	-1.862	-1.862	0.669	1.752	-1.692	0.642	1.538
Diag5	Diag5mP	6.78	0.516	-0.536	-0.466	0.111	0.450	-0.536	0.008	0.516
Diag5	Diag5m1	4.18	0.436	-0.330	0.337	0.323	-0.330	0.276	0.436	-0.264
Diag5	Diag5m2	5.80	0.261	-0.458	0.132	-0.458	-0.090	0.261	-0.454	-0.205
Diag5	Diag5nP	4.14	0.466	-0.270	0.138	0.466	-0.137	0.270	0.465	-0.270
Diag5	Diag5n1	5.48	0.344	-0.433	0.344	-0.320	-0.307	0.288	-0.433	-0.235
Diag5	Diag5n2	6.64	0.520	-0.525	-0.460	-0.089	0.455	-0.525	0.029	0.520
Diag5	Diag5oP	2.98	0.221	-0.235	-0.118	-0.171	0.107	-0.235	-0.195	0.221
Diag5	Diag5o1	2.26	0.254	-0.090	-0.090	0.144	0.072	-0.060	0.254	0.034
Diag5	Diag5o2	3.23	0.255	-0.255	0.181	-0.038	-0.180	0.255	-0.126	-0.255
Diag5	Diag5pP	3.44	0.269	-0.271	0.189	0.024	-0.188	0.269	0.105	-0.271
Diag5	Diag5p1	3.35	0.077	-0.264	-0.082	-0.151	0.077	-0.047	-0.264	0.039
Diag5	Diag5p2	2.81	0.189	-0.222	-0.111	0.165	0.085	-0.222	0.187	0.189
TA1	TA1aP	5.04	8.801	-1.828	7.265	-1.594	0.569	8.801	-1.828	0.950
TA1	TA1a1	5.39	9.420	-0.596	-0.579	4.597	7.705	-0.596	5.751	9.420
TA1	TA1a2	5.75	10.040	-1.720	7.321	8.363	-1.561	9.076	10.040	-1.720
TA1	TA1bP	5.48	9.574	-1.521	-1.340	2.754	7.785	-1.521	3.517	9.574
TA1	TA1b1	6.15	10.747	0.000	7.903	8.640	0.133	9.558	10.747	0.347
TA1	TA1b2	6.29	10.979	-1.202	8.839	-0.854	-1.191	10.979	-0.881	-1.202

Moments for Angles Modeled as Beams For All Load Cases

Load Case	Angle Label	Group Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)	Axial Force (lbs)
LC1: DL + WL	Leg1aP	Leg1	-8.72	47.13	106.45	79.57	23.17	104.18	106.59	-7913.08
LC1: DL + WL	Leg1a1	Leg1	-24.32	-899.67	131.31	-206.82	-37.88	-909.87	76.81	-12196.51
LC1: DL + WL	Leg1a2	Leg1	29.48	-771.12	-308.67	-174.25	6.13	-777.38	-248.77	-12206.33
LC1: DL + WL	Leg1bP	Leg1	-9.00	-79.54	-23.16	66.52	-2.52	-10.76	-21.21	-7969.18
LC1: DL + WL	Leg1b1	Leg1	-24.71	207.22	35.36	3.99	-71.57	174.48	-29.91	-11831.50
LC1: DL + WL	Leg1b2	Leg1	30.06	174.21	-4.18	4.21	81.01	147.39	63.46	-11926.58
LC1: DL + WL	Leg1cP	Leg1	-9.00	-66.52	2.49	99.40	-8.56	27.04	-4.98	-7897.52
LC1: DL + WL	Leg1c1	Leg1	-25.44	-4.74	71.27	73.43	-28.10	56.49	35.51	-11796.85
LC1: DL + WL	Leg1c2	Leg1	30.89	-4.99	-80.65	66.92	45.57	50.93	-28.85	-11880.08
LC1: DL + WL	Leg1dP	Leg1	-8.95	-99.41	8.54	-335.98	62.73	-359.63	58.86	-8069.34
LC1: DL + WL	Leg1d1	Leg1	-24.88	-73.15	29.31	-479.27	-53.56	-456.32	-20.08	-12033.46
LC1: DL + WL	Leg1d2	Leg1	30.18	-66.45	-46.72	-422.11	-12.09	-403.58	-48.54	-12085.19
LC1: DL + WL	Leg1eP	Leg1	-8.50	335.94	-63.00	393.90	4.72	1355.41	-108.23	-7326.88
LC1: DL + WL	Leg1e1	Leg1	-23.94	478.75	58.43	464.28	225.12	1751.42	526.67	-11057.69
LC1: DL + WL	Leg1e2	Leg1	28.87	422.30	7.84	489.82	-240.56	1694.02	-432.27	-11171.22
LC1: DL + WL	Leg2aP	Leg2	0.02	22.68	-393.36	-10.10	7.75	50.32	-1542.61	-7265.58
LC1: DL + WL	Leg2a1	Leg2	0.01	412.05	311.49	102.86	-12.27	2059.97	1197.07	-10901.15
LC1: DL + WL	Leg2a2	Leg2	0.01	-430.00	337.24	-104.27	-11.99	-2137.43	1301.19	-10975.53
LC1: DL + WL	Leg2bP	Leg2	0.02	10.10	-7.75	23.77	7.73	14.23	-0.01	-6942.35
LC1: DL + WL	Leg2b1	Leg2	0.01	-102.86	12.27	12.27	2.39	-38.07	6.16	-10864.02
LC1: DL + WL	Leg2b2	Leg2	0.02	104.27	11.99	-22.46	40.78	34.38	22.18	-11274.64
LC1: DL + WL	Leg2cP	Leg2	0.02	-23.77	-7.73	-11.76	15.02	-14.99	3.08	-6322.31
LC1: DL + WL	Leg2c1	Leg2	0.01	-12.27	-2.39	4.25	55.22	-3.38	22.30	-11395.49
LC1: DL + WL	Leg2c2	Leg2	0.02	22.46	-40.78	34.48	-19.84	24.03	-25.58	-11278.31
LC1: DL + WL	Leg2dP	Leg2	0.02	11.76	-15.02	12.00	13.80	9.98	-0.52	-5831.44
LC1: DL + WL	Leg2d1	Leg2	0.01	-4.25	-55.22	-42.71	-7.58	-19.73	-26.39	-11368.46
LC1: DL + WL	Leg2d2	Leg2	0.01	-34.48	19.84	-45.77	43.66	-33.73	26.68	-11739.09
LC1: DL + WL	Leg2eP	Leg2	0.02	-12.00	-13.80	-27.46	10.97	-16.65	-1.19	-5441.03
LC1: DL + WL	Leg2e1	Leg2	0.01	42.71	7.58	42.83	41.41	36.10	20.67	-11709.16
LC1: DL + WL	Leg2e2	Leg2	0.02	45.77	-43.66	46.78	-6.80	39.06	-21.30	-11760.64
LC1: DL + WL	Leg2fP	Leg2	0.02	27.46	-10.97	16.49	39.66	18.47	12.06	-5178.65
LC1: DL + WL	Leg2f1	Leg2	0.01	-42.83	-41.41	-40.20	-23.07	-34.89	-27.10	-11643.67
LC1: DL + WL	Leg2f2	Leg2	0.01	-46.78	6.80	4.43	57.47	-17.79	27.01	-11997.13
LC1: DL + WL	Leg2gP	Leg2	0.02	-16.49	-39.66	18.79	26.79	0.97	-5.43	-4997.30
LC1: DL + WL	Leg2g1	Leg2	0.01	40.20	23.07	37.11	75.15	32.63	41.45	-11726.20
LC1: DL + WL	Leg2g2	Leg2	0.01	-4.43	-57.47	-40.60	5.42	-19.01	-21.96	-11971.81
LC1: DL + WL	Leg2hP	Leg2	0.02	-18.79	-26.79	6.42	9.93	-24.74	-33.71	-4960.11
LC1: DL + WL	Leg2h1	Leg2	0.01	-37.11	-75.15	32.21	79.07	-9.80	7.84	-11707.07
LC1: DL + WL	Leg2h2	Leg2	0.01	40.60	-5.42	-36.91	-4.53	7.38	-19.92	-12018.54
LC1: DL + WL	Leg3aP	Leg3	0.02	-6.42	-9.93	0.20	-22.95	-24.89	-131.53	-4920.46

LC1: DL + WL	Leg3a1	Leg3	0.01	-32.21	-79.07	29.63	56.36	-10.34	-90.87	-11667.42
LC1: DL + WL	Leg3a2	Leg3	0.02	36.92	4.53	-34.96	-33.94	7.81	-117.65	-11978.89
LC1: DL + WL	Leg3bP	Leg3	0.02	-0.19	22.95	3.27	35.29	1.28	24.17	-5094.99
LC1: DL + WL	Leg3b1	Leg3	0.01	-29.63	-56.36	-45.45	-23.97	-31.16	-33.34	-11623.17
LC1: DL + WL	Leg3b2	Leg3	0.02	34.96	33.94	0.05	46.33	14.53	33.31	-11729.54
LC1: DL + WL	Leg3cP	Leg3	0.02	-3.27	-35.29	-24.05	19.46	-11.34	-6.57	-5556.20
LC1: DL + WL	Leg3c1	Leg3	0.01	45.45	23.97	40.66	43.64	35.74	28.06	-11125.95
LC1: DL + WL	Leg3c2	Leg3	0.02	-0.05	-46.33	51.59	-2.99	21.39	-20.47	-11768.25
LC1: DL + WL	Leg3dP	Leg3	0.02	24.05	-19.45	21.77	2.06	19.01	-7.22	-6147.79
LC1: DL + WL	Leg3d1	Leg3	0.01	-40.66	-43.64	-37.35	-17.33	-32.38	-25.31	-11091.84
LC1: DL + WL	Leg3d2	Leg3	0.01	-51.59	2.99	-37.53	52.92	-36.99	23.21	-11176.53
LC1: DL + WL	Leg3eP	Leg3	0.02	-21.77	-2.06	-22.31	14.13	-18.29	5.01	-6830.56
LC1: DL + WL	Leg3e1	Leg3	0.01	37.35	17.33	30.18	44.31	28.03	25.58	-10340.99
LC1: DL + WL	Leg3e2	Leg3	0.01	37.53	-52.92	18.47	-21.78	23.24	-31.00	-11168.80
LC1: DL + WL	Leg3fP	Leg3	0.02	22.31	-14.13	10.80	31.78	13.74	7.32	-7669.92
LC1: DL + WL	Leg3f1	Leg3	0.01	-30.18	-44.31	-29.69	-22.47	-24.85	-27.71	-10307.37
LC1: DL + WL	Leg3f2	Leg3	0.02	-18.47	21.78	-60.07	14.40	-32.59	15.02	-10321.38
LC1: DL + WL	Leg3gP	Leg3	0.02	-10.80	-31.78	-57.69	-67.35	-28.43	-41.14	-8597.36
LC1: DL + WL	Leg3g1	Leg3	0.01	29.69	22.47	50.95	28.16	33.47	21.01	-9308.53
LC1: DL + WL	Leg3g2	Leg3	0.01	60.07	-14.40	88.55	-72.17	61.68	-35.93	-10346.30
LC1: DL + WL	Leg3hP	Leg3	0.02	57.69	67.35	77.69	59.64	56.19	52.70	-9752.95
LC1: DL + WL	Leg3h1	Leg3	0.01	-50.95	-28.16	-79.32	-46.32	-54.06	-30.91	-9242.79
LC1: DL + WL	Leg3h2	Leg3	-0.00	-88.55	72.17	-13.23	139.93	-42.24	88.03	-9166.94
LC1: DL + WL	Leg3iP	Leg3	-0.01	-77.70	-59.64	71.36	276.12	-2.63	89.85	-11109.32
LC1: DL + WL	Leg3i1	Leg3	0.03	79.32	46.32	75.88	237.30	64.41	117.70	-7777.17
LC1: DL + WL	Leg3i2	Leg3	0.00	13.23	-139.93	-88.92	207.79	-31.41	28.17	-9143.84
LC1: DL + WL	Leg3jP	Leg3	0.02	-71.37	-276.12	23.73	-106.53	-95.31	-765.48	-11893.40
LC1: DL + WL	Leg3j1	Leg3	0.01	-75.88	-237.30	20.30	-1.55	-111.18	-477.78	-7757.28
LC1: DL + WL	Leg3j2	Leg3	0.01	88.93	-207.79	-1.98	-103.00	173.92	-621.69	-8399.60
LC1: DL + WL	Leg4aP	Leg4	0.02	-23.73	106.53	-0.25	-323.55	-95.93	-868.30	-11856.98
LC1: DL + WL	Leg4a1	Leg4	0.01	-20.30	1.55	-7.61	-146.93	-111.68	-581.60	-7720.84
LC1: DL + WL	Leg4a2	Leg4	0.01	1.98	103.00	41.51	-284.12	174.00	-724.59	-8363.16
LC1: DL + WL	Leg4bP	Leg4	0.07	0.25	323.55	-121.72	-10.39	-50.42	129.98	-12816.72
LC1: DL + WL	Leg4b1	Leg4	0.01	7.61	146.93	-14.23	-47.65	-2.74	41.20	-7687.49
LC1: DL + WL	Leg4b2	Leg4	0.02	-41.51	284.12	-2.43	-77.75	-18.23	85.64	-7284.64
LC1: DL + WL	Leg4cP	Leg4	0.00	121.72	10.39	-68.94	-64.19	21.91	-22.33	-14836.50
LC1: DL + WL	Leg4c1	Leg4	0.01	14.23	47.65	26.61	15.31	16.95	26.13	-5690.23
LC1: DL + WL	Leg4c2	Leg4	0.01	2.43	77.75	5.86	16.64	3.44	39.17	-7313.83
LC1: DL + WL	Leg4dP	Leg4	0.01	68.94	64.19	215.02	144.59	117.87	86.66	-16950.31
LC1: DL + WL	Leg4d1	Leg4	0.01	-26.61	-15.31	-41.06	-46.41	-28.08	-25.61	-5640.32
LC1: DL + WL	Leg4d2	Leg4	0.01	-5.86	-16.64	-16.87	42.29	-9.43	10.64	-5325.38
LC1: DL + WL	Leg4eP	Leg4	0.04	-215.03	-144.57	-59.99	-121.64	-114.16	-110.50	-19103.07
LC1: DL + WL	Leg4e1	Leg4	0.01	41.06	46.41	29.43	4.69	29.25	21.20	-3287.66
LC1: DL + WL	Leg4e2	Leg4	0.01	16.88	-42.29	27.84	-59.58	18.56	-42.27	-5327.66
LC1: DL + WL	Leg4fP	Leg4	0.02	59.99	121.64	-74.86	-45.89	-6.17	31.45	-21644.84
LC1: DL + WL	Leg4f1	Leg4	0.01	-29.43	-4.69	-26.91	-68.49	-23.38	-30.37	-3266.16
LC1: DL + WL	Leg4f2	Leg4	0.02	-27.84	59.58	-69.18	-43.89	-40.26	6.51	-2653.54
LC1: DL + WL	Leg4gP	Leg4	0.01	74.86	45.89	-50.85	-84.20	9.97	-15.90	-24357.70
LC1: DL + WL	Leg4g1	Leg4	0.00	26.91	68.49	53.73	-27.50	33.46	17.01	-465.01
LC1: DL + WL	Leg4g2	Leg4	-0.01	69.18	43.89	91.50	-150.30	66.68	-44.16	-2676.26
LC1: DL + WL	Leg4hP	Leg4	-0.00	50.85	84.20	112.25	-2.18	67.72	34.05	-27272.83
LC1: DL + WL	Leg4h1	Leg4	0.02	-53.73	27.50	-94.97	-111.33	-61.70	-34.78	-398.39
LC1: DL + WL	Leg4h2	Leg4	0.00	-91.50	150.30	-30.39	110.47	-50.57	108.20	227.67
LC1: DL + WL	Leg4iP	Leg4	-0.04	-112.25	2.19	9.51	331.59	-42.66	138.58	-30436.35
LC1: DL + WL	Leg4i1	Leg4	0.03	94.97	111.34	107.09	284.40	83.84	164.20	2821.03
LC1: DL + WL	Leg4i2	Leg4	0.00	30.39	-110.47	-110.33	246.25	-33.17	56.34	250.36
LC1: DL + WL	Leg4jP	Leg4	0.01	-9.51	-331.59	-73.42	-441.79	-165.97	-1547.78	-32116.30
LC1: DL + WL	Leg4j1	Leg4	0.01	-107.09	-284.40	-40.83	-277.54	-295.82	-1123.82	2844.91
LC1: DL + WL	Leg4j2	Leg4	0.00	110.34	-246.24	101.03	-442.05	422.73	-1376.53	1927.47
LC1: DL + WL	Leg5aP	Leg5	0.01	73.42	441.79	-114.38	-854.57	-163.92	-1651.85	-32061.39
LC1: DL + WL	Leg5a1	Leg5	0.01	40.83	277.54	-114.82	-587.46	-295.98	-1239.62	2900.08
LC1: DL + WL	Leg5a2	Leg5	0.01	-101.03	442.05	206.75	-815.17	422.89	-1492.43	1982.39
LC1: DL + WL	Leg5bP	Leg5	-0.03	114.37	854.57	19.16	-138.99	55.43	297.06	-33490.95
LC1: DL + WL	Leg5b1	Leg5	-0.06	114.82	587.46	68.84	-210.52	76.20	156.40	4262.93
LC1: DL + WL	Leg5b2	Leg5	0.11	-206.73	815.17	-100.10	-161.45	-127.31	271.24	3396.03
LC1: DL + WL	Leg5cP	Leg5	0.00	-19.16	138.99	-2.10	-14.51	-8.83	51.67	-21282.88
LC1: DL + WL	Leg5c1	Leg5	0.01	-68.84	210.52	-24.08	-30.92	-38.55	74.51	8787.70
LC1: DL + WL	Leg5c2	Leg5	-0.01	100.10	161.45	31.33	-39.28	54.53	50.69	8877.46
LC1: DL + WL	Leg5dP	Leg5	0.00	2.10	14.51	-2.38	-50.85	-0.12	-15.08	-16811.34
LC1: DL + WL	Leg5d1	Leg5	0.00	24.08	30.92	5.92	-29.50	12.45	0.59	6491.67
LC1: DL + WL	Leg5d2	Leg5	0.00	-31.33	39.28	-7.65	-30.84	-16.17	3.50	6557.81
LC1: DL + WL	Leg5eP	Leg5	-0.00	2.38	50.85	1.49	-26.41	1.61	10.14	-12337.89
LC1: DL + WL	Leg5e1	Leg5	0.00	-5.92	29.50	-18.81	-4.82	-10.26	10.24	4381.22
LC1: DL + WL	Leg5e2	Leg5	-0.00	7.65	30.84	19.08	-3.33	11.09	11.41	4426.30
LC1: DL + WL	Leg5fP	Leg5	0.00	-1.49	26.41	-0.24	9.99	-0.72	15.11	-8145.24
LC1: DL + WL	Leg5f1	Leg5	-0.00	18.81	4.82	61.94	-98.39	33.51	-38.83	2317.33
LC1: DL + WL	Leg5f2	Leg5	0.00	-19.08	3.33	-62.68	-98.27	-33.93	-39.39	2354.27
LC1: DL + WL	Leg5gP	Leg5	0.00	0.24	-9.99	-0.33	36.35	-0.04	10.94	-3830.80
LC1: DL + WL	Leg5g1	Leg5	-0.00	-61.94	98.39	-95.81	203.18	-65.46	125.13	240.50
LC1: DL + WL	Leg5g2	Leg5	0.00	62.68	98.27	97.38	201.98	66.42	124.58	261.76
LC1: DL + WL	Leg5hP	Leg5	0.00	0.33	-36.35	0.65	33.51	0.41	-1.18	-624.11

LC1: DL + WL Leg5h1	Leg5	0.01	95.81	-203.18	65.61	-79.07	66.98	-117.11	113.15
LC1: DL + WL Leg5h2	Leg5	-0.01	-97.39	-201.98	-66.22	-78.73	-67.88	-116.48	128.61
LC1: DL + WL Leg5iP	Leg5	0.00	-0.65	-33.51	0.01	-51.58	-0.27	-35.31	-303.97
LC1: DL + WL Leg5i1	Leg5	0.00	-65.61	79.07	0.04	-36.21	-27.21	17.79	24.72
LC1: DL + WL Leg5i2	Leg5	-0.00	66.22	78.73	0.04	-31.66	27.49	19.53	39.36
LC1: DL + WL Leg5jP	Leg5	0.00	-0.01	51.58	0.00	0.00	-0.02	103.15	-57.14
LC1: DL + WL Leg5j1	Leg5	0.00	-0.04	36.21	0.00	0.00	-0.08	72.41	-51.51
LC1: DL + WL Leg5j2	Leg5	0.00	-0.04	31.66	0.00	0.00	-0.08	63.32	-37.17
LC2: DL + WL Leg1aP	Leg1	-18.03	-478.63	116.59	-91.26	-32.13	-468.59	69.45	-8553.50
LC2: DL + WL Leg1a1	Leg1	14.70	-386.55	-226.84	-126.51	2.99	-421.88	-184.06	-10740.38
LC2: DL + WL Leg1a2	Leg1	-0.25	48.53	62.87	68.82	42.49	96.49	86.64	-6044.09
LC2: DL + WL Leg1bP	Leg1	-17.97	91.52	31.42	15.50	-63.72	88.40	-26.68	-8361.71
LC2: DL + WL Leg1b1	Leg1	14.99	126.49	-1.98	-35.00	56.56	75.58	45.09	-10590.91
LC2: DL + WL Leg1b2	Leg1	-0.71	-68.79	-42.53	54.95	27.57	-11.43	-12.36	-6090.60
LC2: DL + WL Leg1cP	Leg1	-18.67	-15.97	63.40	60.24	-29.29	36.41	28.05	-8318.48
LC2: DL + WL Leg1c1	Leg1	15.50	34.58	-56.68	28.32	39.81	51.73	-13.87	-10527.98
LC2: DL + WL Leg1c2	Leg1	-0.41	-54.95	-27.58	76.52	8.08	17.74	-16.03	-6029.56
LC2: DL + WL Leg1dP	Leg1	-18.19	-60.02	30.05	-375.98	11.47	-360.14	34.27	-8489.18
LC2: DL + WL Leg1d1	Leg1	15.00	-28.00	-40.22	-285.63	-31.36	-259.07	-59.12	-10671.84
LC2: DL + WL Leg1d2	Leg1	-0.50	-76.52	-8.11	-248.94	-2.17	-268.82	-8.50	-6150.48
LC2: DL + WL Leg1eP	Leg1	-17.23	376.10	-8.61	339.89	133.84	1329.70	232.59	-7758.22
LC2: DL + WL Leg1e1	Leg1	14.16	285.89	29.30	516.91	-154.05	1490.95	-231.71	-9909.63
LC2: DL + WL Leg1e2	Leg1	-0.53	248.94	2.09	305.92	0.46	1030.42	4.74	-5583.32
LC2: DL + WL Leg2aP	Leg2	-0.02	45.86	-362.81	-37.89	-46.50	31.89	-1637.44	-7658.23
LC2: DL + WL Leg2a1	Leg2	-0.02	485.17	236.08	3.83	27.50	1956.28	1054.46	-9714.71
LC2: DL + WL Leg2a2	Leg2	-0.01	-265.52	151.95	4.57	-10.22	-1043.89	566.94	-5522.98
LC2: DL + WL Leg2bP	Leg2	-0.02	37.89	46.50	17.74	14.19	23.38	25.50	-7477.26
LC2: DL + WL Leg2b1	Leg2	-0.02	-3.83	-27.50	43.32	7.23	16.60	-8.52	-10047.47
LC2: DL + WL Leg2b2	Leg2	-0.01	-4.56	10.22	-10.11	-5.76	-6.17	1.88	-5315.14
LC2: DL + WL Leg2cP	Leg2	-0.02	-17.74	-14.19	30.44	-39.99	5.36	-22.86	-7786.11
LC2: DL + WL Leg2c1	Leg2	-0.02	-43.32	-7.23	-17.77	6.99	-25.78	-0.10	-10334.93
LC2: DL + WL Leg2c2	Leg2	-0.01	10.11	5.76	41.49	-0.09	21.77	2.39	-4634.69
LC2: DL + WL Leg2dP	Leg2	-0.02	-30.44	39.99	16.19	54.40	-5.99	39.66	-7508.65
LC2: DL + WL Leg2d1	Leg2	-0.02	17.77	-6.99	45.53	6.46	26.60	-0.22	-10853.34
LC2: DL + WL Leg2d2	Leg2	-0.01	-41.49	0.09	-15.66	4.15	-24.01	1.78	-4319.97
LC2: DL + WL Leg2eP	Leg2	-0.02	-16.19	-54.40	9.83	-57.97	-2.68	-47.42	-7709.86
LC2: DL + WL Leg2e1	Leg2	-0.02	-45.53	-6.46	-14.83	-13.05	-25.47	-8.23	-11044.01
LC2: DL + WL Leg2e2	Leg2	-0.01	15.66	-4.15	47.50	8.82	26.65	1.97	-3888.45
LC2: DL + WL Leg2fP	Leg2	-0.02	-9.83	57.97	23.22	56.86	5.63	48.26	-7541.86
LC2: DL + WL Leg2f1	Leg2	-0.02	14.83	13.05	41.24	-29.89	23.56	-7.08	-11300.17
LC2: DL + WL Leg2f2	Leg2	-0.01	-47.50	-8.82	11.97	-5.95	-14.93	-6.21	-3716.72
LC2: DL + WL Leg2gP	Leg2	-0.02	-23.22	-56.86	42.79	-33.82	8.26	-38.27	-7594.78
LC2: DL + WL Leg2g1	Leg2	-0.03	-41.24	29.89	38.37	50.87	-1.21	34.08	-11318.03
LC2: DL + WL Leg2g2	Leg2	-0.01	-11.96	5.95	23.63	-19.56	4.92	-5.74	-3524.57
LC2: DL + WL Leg2hP	Leg2	-0.02	-42.79	33.82	39.27	-46.69	-7.05	-25.75	-7558.32
LC2: DL + WL Leg2h1	Leg2	-0.02	-38.37	-50.87	23.57	48.16	-29.60	-5.43	-11357.70
LC2: DL + WL Leg2h2	Leg2	-0.01	-23.63	19.56	20.42	-8.34	-6.41	22.44	-3497.99
LC2: DL + WL Leg3aP	Leg3	-0.02	-39.27	46.69	13.25	-52.87	-104.09	-24.71	-7516.25
LC2: DL + WL Leg3a1	Leg3	-0.02	-23.57	-48.16	-8.09	46.81	-126.66	-5.39	-11315.63
LC2: DL + WL Leg3a2	Leg3	-0.01	-20.42	8.34	-5.38	-2.56	-103.22	23.11	-3455.92
LC2: DL + WL Leg3bP	Leg3	-0.02	-13.25	52.87	15.68	55.86	1.01	45.12	-7623.07
LC2: DL + WL Leg3b1	Leg3	-0.02	8.09	-46.81	32.15	-21.90	16.70	-28.52	-11050.49
LC2: DL + WL Leg3b2	Leg3	-0.01	5.38	2.56	12.94	1.75	7.60	1.79	-3544.67
LC2: DL + WL Leg3cP	Leg3	-0.02	-15.68	-55.86	15.84	-50.76	0.07	-44.25	-7316.75
LC2: DL + WL Leg3c1	Leg3	-0.02	-32.15	21.90	-12.58	-15.78	-18.57	2.54	-10750.09
LC2: DL + WL Leg3c2	Leg3	-0.01	-12.94	-1.75	51.21	6.69	15.88	2.05	-4057.50
LC2: DL + WL Leg3dP	Leg3	-0.02	-15.84	50.76	9.60	50.59	-2.59	42.06	-7669.57
LC2: DL + WL Leg3d1	Leg3	-0.02	12.58	15.78	48.80	-6.00	25.47	4.06	-10091.32
LC2: DL + WL Leg3d2	Leg3	-0.01	-51.21	-6.69	-28.40	-1.11	-33.03	-3.24	-4399.37
LC2: DL + WL Leg3eP	Leg3	-0.02	-9.60	-50.59	2.54	-63.73	-2.93	-47.44	-7213.67
LC2: DL + WL Leg3e1	Leg3	-0.02	-48.80	6.00	-12.67	14.49	-25.51	8.51	-9628.72
LC2: DL + WL Leg3e2	Leg3	-0.01	28.40	1.11	47.08	-8.43	31.32	-3.04	-5164.11
LC2: DL + WL Leg3fP	Leg3	-0.02	-2.54	63.73	23.85	88.39	8.85	63.13	-7727.10
LC2: DL + WL Leg3f1	Leg3	-0.02	12.67	-14.49	29.24	33.09	17.40	7.72	-8680.69
LC2: DL + WL Leg3f2	Leg3	-0.01	-47.08	8.43	-16.76	9.59	-26.49	7.48	-5643.59
LC2: DL + WL Leg3gP	Leg3	-0.02	-23.85	-88.39	-34.70	-127.90	-24.30	-89.76	-7075.24
LC2: DL + WL Leg3g1	Leg3	-0.02	-29.24	-33.09	-92.63	-21.10	-50.57	-22.49	-8064.54
LC2: DL + WL Leg3g2	Leg3	-0.01	16.76	-9.59	19.88	27.37	15.20	7.38	-6681.22
LC2: DL + WL Leg3hP	Leg3	-0.02	34.70	127.90	52.60	126.10	36.23	105.41	-7781.71
LC2: DL + WL Leg3h1	Leg3	-0.03	92.63	21.10	104.86	-71.72	81.95	-21.01	-6799.10
LC2: DL + WL Leg3h2	Leg3	-0.01	-19.88	-27.37	-21.84	-35.42	-17.31	-26.06	-7420.05
LC2: DL + WL Leg3iP	Leg3	0.02	-52.59	-126.10	229.79	-13.69	73.54	-58.01	-6850.60
LC2: DL + WL Leg3i1	Leg3	-0.06	-104.86	71.72	283.55	84.69	74.15	64.91	-5834.43
LC2: DL + WL Leg3i2	Leg3	-0.03	21.84	35.42	221.66	-92.79	101.06	-23.81	-8889.25
LC2: DL + WL Leg3jP	Leg3	-0.02	-229.79	13.69	-4.64	-54.35	-468.95	-81.34	-7336.23
LC2: DL + WL Leg3j1	Leg3	-0.02	-283.55	-84.70	-98.40	14.73	-763.96	-139.96	-5010.32
LC2: DL + WL Leg3j2	Leg3	-0.01	-221.66	92.79	-77.96	19.52	-599.35	224.66	-9388.31
LC2: DL + WL Leg4aP	Leg4	-0.02	4.64	54.35	-147.56	-74.43	-571.75	-80.33	-7297.20
LC2: DL + WL Leg4a1	Leg4	-0.02	98.40	-14.73	-314.93	-20.18	-866.23	-139.63	-4971.32
LC2: DL + WL Leg4a2	Leg4	-0.01	77.96	-19.52	-253.31	75.79	-701.54	225.15	-9349.36
LC2: DL + WL Leg4bP	Leg4	0.00	147.56	74.43	-154.88	28.51	-3.04	42.72	-7881.00

LC2: DL + WL Leg4b1	Leg4	0.00	314.93	20.17	-63.84	37.56	104.20	23.95	-3828.11
LC2: DL + WL Leg4b2	Leg4	-0.00	253.31	-75.80	1.67	31.62	105.82	-18.34	-9897.88
LC2: DL + WL Leg4cP	Leg4	-0.06	154.88	-28.51	-82.06	-184.30	30.22	-88.31	-6622.55
LC2: DL + WL Leg4c1	Leg4	-0.02	63.84	-37.56	16.69	4.94	33.42	-13.54	-2634.00
LC2: DL + WL Leg4c2	Leg4	-0.01	-1.67	-31.62	41.36	-17.75	16.47	-20.49	-12101.59
LC2: DL + WL Leg4dP	Leg4	-0.05	82.06	184.30	287.54	332.17	153.39	214.34	-7985.36
LC2: DL + WL Leg4d1	Leg4	-0.02	-16.69	-4.94	20.89	-26.43	1.74	-13.01	-406.10
LC2: DL + WL Leg4d2	Leg4	-0.01	-41.36	17.75	-75.75	-18.21	-48.61	-0.19	-13411.41
LC2: DL + WL Leg4eP	Leg4	0.02	-287.53	-332.18	-97.51	-213.88	-159.79	-226.61	-6182.50
LC2: DL + WL Leg4e1	Leg4	-0.01	-20.89	26.43	-62.56	7.70	-34.62	14.16	1253.69
LC2: DL + WL Leg4e2	Leg4	-0.01	75.75	18.21	-2.01	-12.20	30.61	2.49	-15701.99
LC2: DL + WL Leg4fP	Leg4	0.03	97.51	213.88	-145.75	44.81	-20.02	107.36	-8087.80
LC2: DL + WL Leg4f1	Leg4	-0.01	62.56	-7.70	-17.24	44.64	18.80	15.33	3741.31
LC2: DL + WL Leg4f2	Leg4	-0.01	2.01	12.20	-49.25	13.37	-19.61	10.61	-17681.10
LC2: DL + WL Leg4gP	Leg4	-0.03	145.75	-44.81	-81.64	-69.44	26.61	-47.41	-5951.01
LC2: DL + WL Leg4g1	Leg4	-0.03	17.24	-44.64	-160.41	-12.71	-59.40	-23.80	5913.81
LC2: DL + WL Leg4g2	Leg4	-0.01	49.25	-13.37	-44.78	37.40	1.86	9.98	-20250.21
LC2: DL + WL Leg4hP	Leg4	-0.00	81.64	69.44	44.24	130.60	52.24	83.02	-8154.57
LC2: DL + WL Leg4h1	Leg4	-0.03	160.41	12.71	62.68	-68.28	92.56	-23.05	8710.76
LC2: DL + WL Leg4h2	Leg4	-0.02	44.78	-37.40	-84.42	-48.67	-16.46	-35.73	-22506.76
LC2: DL + WL Leg4iP	Leg4	0.03	-44.24	-130.60	245.59	-33.73	83.56	-68.20	-5709.16
LC2: DL + WL Leg4i1	Leg4	-0.05	-62.69	68.28	315.53	121.41	104.89	78.69	11136.04
LC2: DL + WL Leg4i2	Leg4	-0.04	84.43	48.67	284.90	-111.03	153.33	-25.89	-25562.29
LC2: DL + WL Leg4jP	Leg4	-0.01	-245.59	33.73	-373.91	-76.80	-1239.17	-86.15	-6931.30
LC2: DL + WL Leg4j1	Leg4	-0.02	-315.53	-121.42	-450.16	-68.13	-1530.98	-378.99	12770.62
LC2: DL + WL Leg4j2	Leg4	-0.01	-284.91	111.03	-325.80	137.66	-1222.09	497.65	-26812.62
LC2: DL + WL Leg5aP	Leg5	-0.01	373.91	76.80	-711.17	-97.93	-1349.17	-84.56	-6873.30
LC2: DL + WL Leg5a1	Leg5	-0.01	450.17	68.13	-862.15	-162.77	-1647.63	-378.50	12828.43
LC2: DL + WL Leg5a2	Leg5	-0.01	325.80	-137.66	-657.57	261.54	-1327.57	495.70	-26754.65
LC2: DL + WL Leg5bP	Leg5	0.02	711.17	97.90	-237.69	4.03	196.48	42.30	-6557.62
LC2: DL + WL Leg5b1	Leg5	0.06	862.16	162.72	-97.36	51.25	317.28	88.77	14790.59
LC2: DL + WL Leg5b2	Leg5	-0.07	657.56	-261.57	-164.71	-41.13	204.58	-125.65	-28017.35
LC2: DL + WL Leg5cP	Leg5	0.00	237.69	-4.04	-17.59	12.85	91.33	3.66	-995.17
LC2: DL + WL Leg5c1	Leg5	-0.00	97.36	-51.25	-47.55	-16.27	20.67	-28.01	15568.45
LC2: DL + WL Leg5c2	Leg5	-0.00	164.71	41.12	-17.73	-3.99	61.00	15.41	-18382.51
LC2: DL + WL Leg5dP	Leg5	-0.00	17.59	-12.85	-33.44	-8.01	-6.58	-8.65	-1087.52
LC2: DL + WL Leg5d1	Leg5	0.00	47.55	16.27	-32.20	3.97	6.37	8.40	11753.67
LC2: DL + WL Leg5d2	Leg5	-0.00	17.73	3.99	-42.96	9.60	-10.47	5.64	-14550.45
LC2: DL + WL Leg5eP	Leg5	-0.00	33.44	8.01	7.19	3.13	16.86	4.62	-1071.27
LC2: DL + WL Leg5e1	Leg5	-0.00	32.20	-3.97	-20.96	-18.18	4.66	-9.19	8131.30
LC2: DL + WL Leg5e2	Leg5	-0.00	42.96	-9.60	-19.55	13.39	9.72	1.57	-10729.78
LC2: DL + WL Leg5fP	Leg5	-0.00	-7.19	-3.13	-133.09	-0.16	-58.21	-1.36	-1112.54
LC2: DL + WL Leg5f1	Leg5	0.00	20.96	18.18	-27.90	63.09	-2.88	33.72	4649.40
LC2: DL + WL Leg5f2	Leg5	-0.00	19.55	-13.39	-23.29	-60.98	-1.55	-30.86	-7142.32
LC2: DL + WL Leg5gP	Leg5	-0.00	133.09	0.16	256.18	0.74	161.53	0.37	-1121.17
LC2: DL + WL Leg5g1	Leg5	0.00	27.90	-63.09	92.30	-98.36	49.87	-66.99	1113.69
LC2: DL + WL Leg5g2	Leg5	-0.00	23.29	60.98	88.12	93.64	46.23	64.16	-3441.10
LC2: DL + WL Leg5hP	Leg5	0.00	-256.18	-0.74	-115.13	-2.33	-154.07	-1.27	-137.55
LC2: DL + WL Leg5h1	Leg5	-0.01	-92.30	98.36	-5.56	66.67	-40.60	68.48	265.36
LC2: DL + WL Leg5h2	Leg5	0.00	-88.12	-93.64	-5.58	-63.20	-38.88	-65.08	-532.52
LC2: DL + WL Leg5iP	Leg5	0.00	115.13	2.33	-50.00	0.57	27.02	1.20	-90.70
LC2: DL + WL Leg5i1	Leg5	-0.00	5.56	-66.67	-34.70	0.52	-12.09	-27.45	90.89
LC2: DL + WL Leg5i2	Leg5	0.00	5.58	63.20	-30.33	0.36	-10.27	26.37	-252.94
LC2: DL + WL Leg5jP	Leg5	-0.00	50.00	-0.57	0.00	0.00	100.01	-1.14	-59.75
LC2: DL + WL Leg5j1	Leg5	-0.00	34.70	-0.52	0.00	0.00	69.40	-1.04	-53.38
LC2: DL + WL Leg5j2	Leg5	-0.00	30.33	-0.36	0.00	0.00	60.66	-0.72	-38.83
LC3: DL + WL Leg1aP	Leg1	13.89	-602.02	-146.28	-187.13	-2.94	-648.89	-122.69	-8928.54
LC3: DL + WL Leg1a1	Leg1	5.75	35.42	-55.14	44.94	38.68	66.08	-13.53	-4791.07
LC3: DL + WL Leg1a2	Leg1	-20.78	-530.56	234.32	-72.41	1.89	-495.78	194.21	-5054.95
LC3: DL + WL Leg1bP	Leg1	14.50	187.04	4.73	-46.73	32.22	115.90	30.52	-8666.95
LC3: DL + WL Leg1b1	Leg1	5.33	-44.94	-38.75	38.29	52.80	-5.49	11.60	-4816.99
LC3: DL + WL Leg1b2	Leg1	-21.01	72.33	-2.42	49.68	-56.99	100.78	-49.07	-4846.40
LC3: DL + WL Leg1cP	Leg1	14.69	46.46	-32.52	13.38	23.77	49.20	-7.20	-8629.37
LC3: DL + WL Leg1c1	Leg1	5.90	-38.24	-52.77	56.57	32.58	15.07	-16.61	-4764.46
LC3: DL + WL Leg1c2	Leg1	-21.73	-50.14	56.32	75.22	-37.48	20.63	15.49	-4827.51
LC3: DL + WL Leg1dP	Leg1	14.40	-13.17	-24.06	-269.46	9.16	-233.46	-12.29	-8754.77
LC3: DL + WL Leg1d1	Leg1	5.55	-56.57	-32.63	-162.02	-51.55	-180.55	-69.52	-4842.00
LC3: DL + WL Leg1d2	Leg1	-21.13	-74.90	38.46	-317.04	41.34	-323.73	65.89	-4956.99
LC3: DL + WL Leg1eP	Leg1	13.81	269.41	-11.39	366.10	-142.14	1180.24	-285.13	-8123.45
LC3: DL + WL Leg1e1	Leg1	5.09	162.01	51.61	247.33	-10.94	760.17	75.52	-4422.55
LC3: DL + WL Leg1e2	Leg1	-20.05	317.44	-38.76	146.45	90.02	861.47	95.20	-4450.70
LC3: DL + WL Leg2aP	Leg2	0.01	-36.52	-391.27	24.05	-63.43	-49.86	-1819.00	-7946.16
LC3: DL + WL Leg2a1	Leg2	0.01	220.86	111.96	-8.64	9.84	848.96	487.22	-4343.47
LC3: DL + WL Leg2a2	Leg2	0.01	-169.39	35.50	-31.59	64.36	-804.01	399.46	-4405.27
LC3: DL + WL Leg2bP	Leg2	0.02	-24.05	63.43	-15.99	-24.82	-16.83	16.23	-8229.87
LC3: DL + WL Leg2b1	Leg2	0.01	8.64	-9.84	22.30	5.81	13.00	-1.69	-4311.56
LC3: DL + WL Leg2b2	Leg2	0.01	31.59	-64.36	11.62	-23.39	18.16	-36.87	-4080.46
LC3: DL + WL Leg2cP	Leg2	0.01	15.99	24.82	24.95	-8.74	17.28	6.78	-8764.05
LC3: DL + WL Leg2c1	Leg2	0.01	-22.30	-5.81	-31.63	-43.35	-22.76	-20.74	-3726.63
LC3: DL + WL Leg2c2	Leg2	0.01	-11.62	23.39	-28.08	-3.24	-16.75	8.50	-4049.07
LC3: DL + WL Leg2dP	Leg2	0.02	-24.95	8.74	-9.88	-18.47	-14.64	-4.09	-9206.92

LC3: DL + WL	Leg2d1	Leg2	0.01	31.63	43.35	36.38	16.39	28.58	25.10	-3702.06
LC3: DL + WL	Leg2d2	Leg2	0.01	28.08	3.24	35.29	-46.06	26.63	-17.99	-3568.60
LC3: DL + WL	Leg2eP	Leg2	0.01	9.88	18.47	10.70	-8.32	8.68	4.29	-9554.53
LC3: DL + WL	Leg2e1	Leg2	0.01	-36.38	-16.39	-28.42	-51.48	-27.34	-28.64	-3334.05
LC3: DL + WL	Leg2e2	Leg2	0.02	-35.29	46.06	-40.11	19.88	-31.82	27.83	-3539.34
LC3: DL + WL	Leg2fP	Leg2	0.02	-10.70	8.32	-34.30	-9.16	-18.91	-0.35	-9758.18
LC3: DL + WL	Leg2f1	Leg2	0.01	28.42	51.48	18.41	-10.32	19.68	17.30	-3326.04
LC3: DL + WL	Leg2f2	Leg2	0.01	40.11	-19.88	32.16	-54.89	30.37	-31.42	-3256.48
LC3: DL + WL	Leg2gP	Leg2	0.01	34.30	9.16	23.04	-66.74	24.20	-24.30	-9857.30
LC3: DL + WL	Leg2g1	Leg2	0.01	-18.41	10.32	-21.05	-16.46	-16.65	-2.59	-3165.97
LC3: DL + WL	Leg2g2	Leg2	0.02	-32.16	54.89	-18.69	-20.49	-21.46	14.51	-3212.23
LC3: DL + WL	Leg2hP	Leg2	0.02	-23.04	66.74	35.10	-53.89	24.12	25.71	-9866.65
LC3: DL + WL	Leg2h1	Leg2	0.01	21.05	16.46	-13.43	-18.92	15.23	-4.91	-3170.82
LC3: DL + WL	Leg2h2	Leg2	0.01	18.69	20.49	-25.17	-10.26	-12.97	20.46	-3155.07
LC3: DL + WL	Leg3aP	Leg3	0.02	-35.10	53.88	41.74	-23.37	26.56	122.06	-9822.54
LC3: DL + WL	Leg3a1	Leg3	0.01	13.43	18.92	-8.91	3.82	18.07	90.94	-3126.72
LC3: DL + WL	Leg3a2	Leg3	0.01	25.17	10.26	-27.68	18.80	-10.03	116.28	-3110.96
LC3: DL + WL	Leg3bP	Leg3	0.02	-41.74	23.37	-23.31	-1.93	-27.00	8.90	-9573.43
LC3: DL + WL	Leg3b1	Leg3	0.01	8.91	-3.82	22.67	-9.68	13.11	-5.60	-3104.50
LC3: DL + WL	Leg3b2	Leg3	0.01	27.68	-18.80	37.13	-44.81	26.89	-26.40	-3278.23
LC3: DL + WL	Leg3cP	Leg3	0.01	23.31	1.93	7.55	-15.22	12.81	-5.52	-9125.00
LC3: DL + WL	Leg3c1	Leg3	0.01	-22.67	9.68	-32.55	-55.96	-22.92	-19.20	-3587.07
LC3: DL + WL	Leg3c2	Leg3	0.02	-37.13	44.81	-39.91	14.88	-31.97	24.77	-3219.69
LC3: DL + WL	Leg3dP	Leg3	0.02	-7.55	15.22	-19.36	-11.05	-11.16	1.73	-8514.86
LC3: DL + WL	Leg3d1	Leg3	0.01	32.56	55.96	39.70	22.13	29.98	32.40	-3610.35
LC3: DL + WL	Leg3d2	Leg3	0.01	39.91	-14.88	28.92	-48.33	28.56	-26.23	-3759.88
LC3: DL + WL	Leg3eP	Leg3	0.01	19.36	11.05	30.34	-8.33	20.62	1.13	-7811.26
LC3: DL + WL	Leg3e1	Leg3	0.01	-39.70	-22.13	-35.57	-37.41	-31.24	-24.71	-4299.94
LC3: DL + WL	Leg3e2	Leg3	0.01	-28.92	48.33	-21.74	12.21	-21.02	25.12	-3695.80
LC3: DL + WL	Leg3fP	Leg3	0.02	-30.34	8.33	-10.48	-40.66	-16.94	-13.42	-6942.45
LC3: DL + WL	Leg3f1	Leg3	0.01	35.57	37.41	33.26	26.38	28.56	26.47	-4317.71
LC3: DL + WL	Leg3f2	Leg3	0.01	21.74	-12.21	51.38	-13.60	30.34	-10.71	-4468.22
LC3: DL + WL	Leg3gP	Leg3	0.01	10.48	40.66	40.00	68.61	20.95	45.35	-5989.31
LC3: DL + WL	Leg3g1	Leg3	0.01	-33.26	-26.38	-41.08	-41.50	-30.85	-28.17	-5281.10
LC3: DL + WL	Leg3g2	Leg3	0.01	-51.38	13.60	-76.34	81.78	-53.00	39.58	-4391.33
LC3: DL + WL	Leg3hP	Leg3	0.01	-40.00	-68.61	-91.68	-24.63	-54.64	-38.69	-4795.50
LC3: DL + WL	Leg3h1	Leg3	0.01	41.08	41.50	54.09	14.72	39.49	23.33	-5327.50
LC3: DL + WL	Leg3h2	Leg3	0.01	76.34	-81.78	50.51	-133.11	52.64	-89.18	-5471.19
LC3: DL + WL	Leg3iP	Leg3	-0.02	91.68	24.63	-30.19	-311.59	25.51	-119.08	-3427.26
LC3: DL + WL	Leg3i1	Leg3	0.02	-54.09	-14.72	-61.12	-170.30	-47.81	-76.78	-6706.88
LC3: DL + WL	Leg3i2	Leg3	0.02	-50.51	133.11	21.53	-214.67	-12.03	-33.84	-5386.05
LC3: DL + WL	Leg3jP	Leg3	0.01	30.20	311.59	23.47	62.38	107.35	747.97	-2645.02
LC3: DL + WL	Leg3j1	Leg3	0.01	61.12	170.30	-0.50	57.94	121.26	456.55	-6740.37
LC3: DL + WL	Leg3j2	Leg3	0.01	-21.53	214.67	-56.66	84.96	-156.38	599.32	-6091.14
LC3: DL + WL	Leg4aP	Leg4	0.01	-23.47	-62.38	50.95	274.76	109.91	849.58	-2603.83
LC3: DL + WL	Leg4a1	Leg4	0.01	0.50	-57.94	30.49	197.43	123.99	558.02	-6699.25
LC3: DL + WL	Leg4a2	Leg4	0.01	56.66	-84.96	-94.98	260.10	-153.34	700.67	-6049.99
LC3: DL + WL	Leg4bP	Leg4	0.04	-50.95	-274.76	90.81	35.71	16.54	-99.19	-1581.86
LC3: DL + WL	Leg4b1	Leg4	0.00	-30.49	-197.43	-3.51	14.16	-14.11	-76.06	-6689.59
LC3: DL + WL	Leg4b2	Leg4	0.03	94.98	-260.10	41.77	73.00	56.75	-77.65	-7017.59
LC3: DL + WL	Leg4cP	Leg4	0.01	-90.81	-35.71	49.13	65.15	-17.30	12.21	363.77
LC3: DL + WL	Leg4c1	Leg4	0.01	3.51	-14.16	-21.42	-29.93	-7.43	-18.30	-8668.30
LC3: DL + WL	Leg4c2	Leg4	0.01	-41.77	-73.00	0.11	-3.19	-17.29	-31.62	-6925.46
LC3: DL + WL	Leg4dP	Leg4	0.00	-49.13	-65.15	-195.01	-141.98	-101.30	-85.94	2495.20
LC3: DL + WL	Leg4d1	Leg4	0.01	21.42	29.93	45.20	50.87	27.65	33.53	-8748.09
LC3: DL + WL	Leg4d2	Leg4	0.01	-0.11	3.19	10.56	-39.73	4.34	-15.17	-8809.79
LC3: DL + WL	Leg4eP	Leg4	0.03	195.01	141.98	70.73	123.72	110.26	110.24	4864.06
LC3: DL + WL	Leg4e1	Leg4	0.00	-45.20	-50.87	-31.46	2.00	-31.82	-20.28	-11040.22
LC3: DL + WL	Leg4e2	Leg4	0.01	-10.56	39.73	-25.91	50.09	-15.14	37.27	-8697.83
LC3: DL + WL	Leg4fP	Leg4	0.02	-70.73	-123.72	57.22	27.64	-5.60	-39.86	7439.70
LC3: DL + WL	Leg4f1	Leg4	0.01	31.46	-2.00	27.59	71.88	24.51	29.00	-11088.22
LC3: DL + WL	Leg4f2	Leg4	0.02	25.91	-50.09	59.91	48.44	35.62	-0.68	-11239.54
LC3: DL + WL	Leg4gP	Leg4	0.01	-57.22	-27.64	40.75	89.92	-6.84	25.84	10081.08
LC3: DL + WL	Leg4g1	Leg4	0.00	-27.59	-71.88	-47.62	16.75	-31.22	-22.88	-13864.35
LC3: DL + WL	Leg4g2	Leg4	-0.01	-59.91	-48.44	-78.81	155.74	-57.57	44.53	-11124.35
LC3: DL + WL	Leg4hP	Leg4	-0.00	-40.75	-89.92	-112.50	38.71	-63.57	-21.24	13058.06
LC3: DL + WL	Leg4h1	Leg4	0.01	47.62	-16.75	80.36	75.63	53.12	24.44	-13946.40
LC3: DL + WL	Leg4h2	Leg4	0.01	78.81	-155.74	67.94	-109.39	60.91	-110.04	-13873.42
LC3: DL + WL	Leg4iP	Leg4	-0.05	112.50	-38.71	2.38	-385.66	47.65	-176.03	16163.76
LC3: DL + WL	Leg4i1	Leg4	0.02	-80.36	-75.64	-73.83	-224.29	-64.00	-124.49	-17126.05
LC3: DL + WL	Leg4i2	Leg4	0.02	-67.95	109.39	35.12	-228.71	-13.62	-49.53	-13757.43
LC3: DL + WL	Leg4jP	Leg4	0.00	-2.38	385.66	90.47	446.33	176.12	1663.38	17866.25
LC3: DL + WL	Leg4j1	Leg4	0.01	73.83	224.29	13.26	289.80	174.23	1028.55	-17176.16
LC3: DL + WL	Leg4j2	Leg4	0.01	-35.12	228.71	-84.25	404.24	-238.82	1266.30	-15358.61
LC3: DL + WL	Leg5aP	Leg5	0.01	-90.47	-446.33	135.81	891.36	181.34	1779.68	17926.41
LC3: DL + WL	Leg5a1	Leg5	0.00	-13.26	-289.80	57.76	573.46	178.04	1134.90	-17115.70
LC3: DL + WL	Leg5a2	Leg5	0.01	84.25	-404.24	-142.69	747.02	-233.83	1371.43	-15298.31
LC3: DL + WL	Leg5bP	Leg5	-0.02	-135.81	-891.36	-7.69	87.14	-59.52	-333.61	20024.52
LC3: DL + WL	Leg5b1	Leg5	-0.02	-57.76	-573.46	-12.63	217.63	-29.21	-147.68	-17806.46
LC3: DL + WL	Leg5b2	Leg5	0.07	142.68	-747.02	61.71	183.29	84.83	-233.96	-15957.48
LC3: DL + WL	Leg5cP	Leg5	0.00	7.69	-87.14	1.30	47.21	3.73	-16.57	17933.14

LC3: DL + WL	Leg5c1	Leg5	-0.00	12.63	-217.63	-7.33	15.93	2.20	-83.71	-11700.80
LC3: DL + WL	Leg5c2	Leg5	0.00	-61.71	-183.29	2.07	19.88	-24.75	-67.82	-10187.99
LC3: DL + WL	Leg5dP	Leg5	0.00	-1.30	-47.21	4.37	32.96	1.27	-5.91	13590.92
LC3: DL + WL	Leg5d1	Leg5	0.00	7.33	-15.93	10.68	35.42	7.47	8.09	-9375.42
LC3: DL + WL	Leg5d2	Leg5	0.00	-2.07	-19.88	-5.30	37.54	-3.06	7.33	-8197.98
LC3: DL + WL	Leg5eP	Leg5	-0.00	-4.37	-32.96	-1.87	29.74	-2.59	-1.33	9433.33
LC3: DL + WL	Leg5e1	Leg5	0.00	-10.68	-35.42	15.26	3.17	1.90	-13.38	-7037.63
LC3: DL + WL	Leg5e2	Leg5	0.00	5.30	-37.54	-13.59	0.05	-3.44	-15.56	-6181.65
LC3: DL + WL	Leg5fP	Leg5	0.00	1.87	-29.74	6.51	-8.17	3.48	-15.73	5447.85
LC3: DL + WL	Leg5f1	Leg5	-0.00	-15.26	-3.17	-60.51	91.19	-31.45	36.52	-4847.64
LC3: DL + WL	Leg5f2	Leg5	0.00	13.59	-0.05	63.49	97.00	31.99	40.23	-4310.95
LC3: DL + WL	Leg5gP	Leg5	0.00	-6.51	8.17	-11.56	-34.98	-7.50	-11.13	1396.94
LC3: DL + WL	Leg5g1	Leg5	-0.00	60.51	-91.19	89.28	-191.61	62.16	-117.35	-2580.36
LC3: DL + WL	Leg5g2	Leg5	0.00	-63.49	-97.00	-98.73	-199.72	-67.31	-123.13	-2365.05
LC3: DL + WL	Leg5hP	Leg5	-0.00	11.56	34.98	4.97	-34.76	6.86	0.09	303.92
LC3: DL + WL	Leg5h1	Leg5	0.00	-89.28	191.61	-61.31	74.62	-62.48	110.47	-386.37
LC3: DL + WL	Leg5h2	Leg5	-0.00	98.73	199.72	62.38	80.55	66.85	116.29	-338.66
LC3: DL + WL	Leg5iP	Leg5	-0.00	-4.97	34.76	1.90	49.04	-1.27	34.77	106.62
LC3: DL + WL	Leg5i1	Leg5	0.00	61.31	-74.62	1.65	33.82	26.12	-16.93	-199.31
LC3: DL + WL	Leg5i2	Leg5	-0.00	-62.38	-80.55	1.25	29.61	-25.37	-21.13	-169.33
LC3: DL + WL	Leg5jP	Leg5	0.00	-1.90	-49.04	-0.00	0.00	-3.80	-98.08	-61.88
LC3: DL + WL	Leg5j1	Leg5	0.00	-1.65	-33.82	-0.00	0.00	-3.30	-67.64	-54.82
LC3: DL + WL	Leg5j2	Leg5	0.00	-1.25	-29.61	-0.00	0.00	-2.50	-59.23	-40.10
LC4: DL + WI (Ice)	Leg1aP	Leg1	-12.39	58.21	107.24	57.73	25.57	95.36	109.24	-7963.75
LC4: DL + WI (Ice)	Leg1a1	Leg1	-27.63	-965.24	133.70	-215.53	-13.68	-971.33	98.72	-17167.41
LC4: DL + WI (Ice)	Leg1a2	Leg1	34.65	-840.06	-317.11	-179.52	-15.77	-838.74	-273.81	-17179.14
LC4: DL + WI (Ice)	Leg1bP	Leg1	-12.69	-57.69	-25.50	0.75	2.03	-47.05	-19.40	-8017.22
LC4: DL + WI (Ice)	Leg1b1	Leg1	-28.31	215.59	11.02	17.64	-13.71	192.74	-2.22	-16781.68
LC4: DL + WI (Ice)	Leg1b2	Leg1	35.48	179.17	17.79	23.81	24.85	167.74	35.24	-16879.89
LC4: DL + WI (Ice)	Leg1cP	Leg1	-12.66	-0.76	-2.16	40.95	-16.48	33.06	-15.33	-7914.11
LC4: DL + WI (Ice)	Leg1c1	Leg1	-28.52	-17.71	13.19	114.02	48.71	79.22	50.93	-16710.49
LC4: DL + WI (Ice)	Leg1c2	Leg1	35.82	-23.99	-24.19	100.67	-12.09	63.07	-29.86	-16803.26
LC4: DL + WI (Ice)	Leg1dP	Leg1	-12.50	-40.96	16.57	-479.52	136.54	-430.07	126.49	-8105.32
LC4: DL + WI (Ice)	Leg1d1	Leg1	-28.59	-114.73	-46.96	-639.71	-31.85	-623.45	-65.18	-17034.54
LC4: DL + WI (Ice)	Leg1d2	Leg1	35.58	-100.93	10.50	-499.02	-129.90	-495.80	-98.62	-17047.23
LC4: DL + WI (Ice)	Leg1eP	Leg1	-11.43	479.50	-136.73	419.75	10.38	1670.56	-234.70	-7189.32
LC4: DL + WI (Ice)	Leg1e1	Leg1	-26.86	639.39	39.13	675.97	321.35	2443.86	669.81	-15678.68
LC4: DL + WI (Ice)	Leg1e2	Leg1	32.89	500.73	123.89	714.41	-345.76	2257.66	-412.31	-15866.02
LC4: DL + WI (Ice)	Leg2aP	Leg2	0.04	30.63	-418.91	9.61	111.82	161.03	-1228.90	-7229.17
LC4: DL + WI (Ice)	Leg2a1	Leg2	0.03	610.06	434.46	120.68	20.61	2924.53	1821.28	-15420.63
LC4: DL + WI (Ice)	Leg2a2	Leg2	0.04	-640.00	470.54	-137.86	58.72	-3113.15	2118.20	-15497.22
LC4: DL + WI (Ice)	Leg2bP	Leg2	0.05	-9.61	-111.82	58.58	45.52	20.58	-27.87	-6240.41
LC4: DL + WI (Ice)	Leg2b1	Leg2	0.02	-120.68	-20.60	-10.53	16.01	-55.16	-1.93	-15376.30
LC4: DL + WI (Ice)	Leg2b2	Leg2	0.05	137.86	-58.71	-54.03	116.82	35.24	24.43	-16434.59
LC4: DL + WI (Ice)	Leg2cP	Leg2	0.04	-58.58	-45.52	-35.41	9.50	-39.67	-15.20	-4348.73
LC4: DL + WI (Ice)	Leg2c1	Leg2	0.03	10.53	-16.01	37.33	113.09	20.20	40.99	-17135.80
LC4: DL + WI (Ice)	Leg2c2	Leg2	0.04	54.03	-116.82	88.24	-51.90	60.06	-71.23	-16433.67
LC4: DL + WI (Ice)	Leg2dP	Leg2	0.04	35.41	-9.50	27.21	34.83	26.32	10.65	-2712.23
LC4: DL + WI (Ice)	Leg2d1	Leg2	0.01	-37.33	-113.09	-82.72	-16.69	-50.47	-54.56	-17098.03
LC4: DL + WI (Ice)	Leg2d2	Leg2	0.03	-88.24	51.90	-83.71	98.91	-72.29	63.40	-17998.40
LC4: DL + WI (Ice)	Leg2eP	Leg2	0.04	-27.21	-34.83	-33.75	63.49	-25.73	12.10	-1320.27
LC4: DL + WI (Ice)	Leg2e1	Leg2	0.03	82.72	16.69	70.74	95.88	64.79	47.53	-18422.80
LC4: DL + WI (Ice)	Leg2e2	Leg2	0.04	83.71	-98.91	62.97	25.21	61.93	-31.11	-18005.80
LC4: DL + WI (Ice)	Leg2fP	Leg2	0.04	33.75	-63.49	4.69	54.76	16.16	-3.67	-131.99
LC4: DL + WI (Ice)	Leg2f1	Leg2	0.02	-70.74	-95.88	-54.02	-15.27	-52.45	-46.73	-18332.12
LC4: DL + WI (Ice)	Leg2f2	Leg2	0.03	-62.97	-25.21	6.78	68.87	-23.62	18.35	-19143.54
LC4: DL + WI (Ice)	Leg2gP	Leg2	0.04	-4.69	-54.76	-10.00	-71.90	-6.20	-53.46	936.34
LC4: DL + WI (Ice)	Leg2g1	Leg2	0.02	54.02	15.27	45.67	42.53	42.09	24.40	-19266.28
LC4: DL + WI (Ice)	Leg2g2	Leg2	0.04	-6.78	-68.87	-28.81	-104.92	-15.03	-73.37	-19091.37
LC4: DL + WI (Ice)	Leg2hP	Leg2	0.04	10.00	71.90	-1.87	84.56	16.27	313.02	1405.40
LC4: DL + WI (Ice)	Leg2h1	Leg2	0.02	-45.67	-42.53	58.01	152.11	24.71	219.29	-19234.86
LC4: DL + WI (Ice)	Leg2h2	Leg2	0.04	28.81	104.92	-64.42	28.46	-71.26	266.92	-19555.39
LC4: DL + WI (Ice)	Leg3aP	Leg3	0.04	1.87	-84.56	2.10	118.07	15.88	134.06	1475.38
LC4: DL + WI (Ice)	Leg3a1	Leg3	0.02	-58.01	-152.11	63.81	161.49	23.19	37.54	-19164.86
LC4: DL + WI (Ice)	Leg3a2	Leg3	0.04	64.42	-28.46	-81.99	50.36	-70.33	87.67	-19485.41
LC4: DL + WI (Ice)	Leg3bP	Leg3	0.05	-2.10	-118.07	41.17	78.44	16.22	-16.45	1540.37
LC4: DL + WI (Ice)	Leg3b1	Leg3	0.00	-63.80	-161.49	-87.71	-11.96	-62.91	-72.02	-19098.96
LC4: DL + WI (Ice)	Leg3b2	Leg3	0.05	82.00	-50.36	-9.60	150.40	30.06	41.54	-19426.23
LC4: DL + WI (Ice)	Leg3cP	Leg3	0.03	-41.17	-78.44	-42.40	34.54	-34.69	-18.22	1453.81
LC4: DL + WI (Ice)	Leg3c1	Leg3	0.03	87.71	11.97	78.41	109.39	68.98	50.39	-18936.07
LC4: DL + WI (Ice)	Leg3c2	Leg3	0.06	9.60	-150.40	114.86	-8.70	51.68	-66.06	-19470.78
LC4: DL + WI (Ice)	Leg3dP	Leg3	0.04	42.41	-34.54	25.84	36.72	28.33	0.90	1097.68
LC4: DL + WI (Ice)	Leg3d1	Leg3	0.01	-78.41	-109.39	-69.65	-13.16	-61.48	-50.88	-18895.53
LC4: DL + WI (Ice)	Leg3d2	Leg3	0.02	-114.86	8.70	-78.91	109.58	-80.46	49.12	-19077.33
LC4: DL + WI (Ice)	Leg3eP	Leg3	0.04	-25.84	-36.72	-39.45	51.50	-27.10	6.14	527.85
LC4: DL + WI (Ice)	Leg3e1	Leg3	0.03	69.65	13.16	61.82	105.24	54.59	49.16	-18228.76
LC4: DL + WI (Ice)	Leg3e2	Leg3	0.04	78.92	-109.58	34.16	-16.38	46.95	-52.30	-19047.61
LC4: DL + WI (Ice)	Leg3fP	Leg3	0.04	39.45	-51.50	27.53	76.99	27.80	10.58	-301.34
LC4: DL + WI (Ice)	Leg3f1	Leg3	0.01	-61.82	-105.24	-60.98	-17.98	-50.99	-51.17	-18176.03
LC4: DL + WI (Ice)	Leg3f2	Leg3	0.03	-34.16	16.38	-101.60	66.82	-56.37	34.55	-18189.63
LC4: DL + WI (Ice)	Leg3gP	Leg3	0.03	-27.53	-76.99	-79.82	-57.77	-44.56	-55.94	-1298.65

LC4: DL + WI (Ice)	Leg3g1	Leg3	0.03	60.98	17.98	87.85	92.97	61.80	46.07	-17050.39
LC4: DL + WI (Ice)	Leg3g2	Leg3	0.04	101.60	-66.81	151.81	-79.05	105.22	-60.57	-18211.06
LC4: DL + WI (Ice)	Leg3hP	Leg3	0.04	79.82	57.77	110.32	100.65	78.93	65.76	-2676.54
LC4: DL + WI (Ice)	Leg3h1	Leg3	0.01	-87.85	-92.96	-121.03	-32.39	-86.73	-52.05	-16952.41
LC4: DL + WI (Ice)	Leg3h2	Leg3	-0.01	-151.80	79.06	-23.03	250.30	-72.59	136.76	-16782.08
LC4: DL + WI (Ice)	Leg3iP	Leg3	-0.01	-110.32	-100.65	71.86	421.89	-15.96	133.35	-4394.88
LC4: DL + WI (Ice)	Leg3i1	Leg3	0.07	121.03	32.40	108.45	340.00	95.28	154.62	-15095.20
LC4: DL + WI (Ice)	Leg3i2	Leg3	-0.00	23.03	-250.30	-135.49	295.67	-46.69	18.84	-16729.01
LC4: DL + WI (Ice)	Leg3jP	Leg3	0.04	-71.87	-421.89	9.25	-100.05	-125.31	-1044.33	-5390.36
LC4: DL + WI (Ice)	Leg3j1	Leg3	0.02	-108.45	-339.99	35.42	30.21	-146.16	-619.96	-15061.16
LC4: DL + WI (Ice)	Leg3j2	Leg3	0.03	135.50	-295.66	-16.12	-117.58	238.91	-827.02	-15752.02
LC4: DL + WI (Ice)	Leg4aP	Leg4	0.03	-9.24	100.05	-22.19	-404.78	-125.78	-1219.45	-5321.86
LC4: DL + WI (Ice)	Leg4a1	Leg4	0.02	-35.41	-30.21	-1.43	-168.85	-147.47	-796.76	-14992.67
LC4: DL + WI (Ice)	Leg4a2	Leg4	0.03	16.13	117.58	43.67	-367.74	239.34	-1001.30	-15683.51
LC4: DL + WI (Ice)	Leg4bP	Leg4	0.10	22.18	404.78	-123.87	15.16	-42.21	174.33	-6670.48
LC4: DL + WI (Ice)	Leg4b1	Leg4	0.02	1.43	168.85	-24.20	-34.76	-9.45	55.68	-14937.01
LC4: DL + WI (Ice)	Leg4b2	Leg4	0.03	-43.66	367.74	0.55	-70.77	-17.90	123.30	-14177.67
LC4: DL + WI (Ice)	Leg4cP	Leg4	0.03	123.88	-15.15	-67.39	-9.56	23.45	-10.26	-9502.19
LC4: DL + WI (Ice)	Leg4c1	Leg4	0.02	24.20	34.76	45.79	65.45	29.06	41.60	-12091.18
LC4: DL + WI (Ice)	Leg4c2	Leg4	0.02	-0.55	70.77	23.80	49.92	9.65	50.11	-14209.74
LC4: DL + WI (Ice)	Leg4dP	Leg4	0.04	67.39	9.56	214.78	134.84	117.15	59.95	-12455.52
LC4: DL + WI (Ice)	Leg4d1	Leg4	0.01	-45.79	-65.45	-68.88	-44.49	-47.61	-45.64	-12022.73
LC4: DL + WI (Ice)	Leg4d2	Leg4	0.02	-23.80	-49.92	-35.79	101.60	-24.74	21.46	-11344.89
LC4: DL + WI (Ice)	Leg4eP	Leg4	0.04	-214.79	-134.83	-65.27	-82.01	-116.28	-90.03	-15442.54
LC4: DL + WI (Ice)	Leg4e1	Leg4	0.02	68.88	44.49	53.48	43.94	50.80	36.71	-8746.25
LC4: DL + WI (Ice)	Leg4e2	Leg4	0.03	35.79	-101.60	47.24	-64.16	34.47	-68.82	-11333.75
LC4: DL + WI (Ice)	Leg4fP	Leg4	0.04	65.27	82.01	-72.02	-23.83	-2.80	24.16	-18938.08
LC4: DL + WI (Ice)	Leg4f1	Leg4	0.02	-53.48	-43.94	-46.64	-72.40	-41.57	-48.30	-8711.97
LC4: DL + WI (Ice)	Leg4f2	Leg4	0.04	-47.24	64.16	-107.38	-24.62	-64.19	16.41	-7684.71
LC4: DL + WI (Ice)	Leg4gP	Leg4	0.02	72.02	23.84	-77.40	-106.11	-2.23	-34.16	-22667.88
LC4: DL + WI (Ice)	Leg4g1	Leg4	0.01	46.65	72.40	80.34	4.89	52.71	32.08	-4866.09
LC4: DL + WI (Ice)	Leg4g2	Leg4	-0.00	107.38	24.62	140.49	-180.02	102.90	-64.51	-7701.77
LC4: DL + WI (Ice)	Leg4hP	Leg4	0.01	77.40	106.11	162.47	30.36	99.62	56.68	-26704.23
LC4: DL + WI (Ice)	Leg4h1	Leg4	0.03	-80.34	-4.89	-133.27	-118.27	-88.67	-51.12	-4764.22
LC4: DL + WI (Ice)	Leg4h2	Leg4	-0.00	-140.48	180.03	-36.94	199.59	-73.65	157.58	-3649.90
LC4: DL + WI (Ice)	Leg4iP	Leg4	-0.08	-162.47	-30.35	4.97	518.14	-65.41	202.60	-31130.51
LC4: DL + WI (Ice)	Leg4i1	Leg4	0.07	133.27	118.27	156.01	418.43	120.07	222.77	-250.00
LC4: DL + WI (Ice)	Leg4i2	Leg4	-0.00	36.94	-199.59	-169.00	364.58	-54.82	68.49	-3599.85
LC4: DL + WI (Ice)	Leg4jP	Leg4	0.01	-4.98	-518.14	-109.68	-600.51	-229.55	-2239.56	-33472.50
LC4: DL + WI (Ice)	Leg4j1	Leg4	0.02	-156.01	-418.42	-58.24	-368.77	-428.64	-1574.90	-213.48
LC4: DL + WI (Ice)	Leg4j2	Leg4	0.01	169.01	-364.57	135.13	-599.31	608.50	-1928.43	-1230.54
LC4: DL + WI (Ice)	Leg5aP	Leg5	0.02	109.68	600.51	-166.25	-1202.19	-226.44	-2408.61	-33381.92
LC4: DL + WI (Ice)	Leg5a1	Leg5	0.01	58.24	368.77	-165.43	-808.45	-428.91	-1759.30	-122.39
LC4: DL + WI (Ice)	Leg5a2	Leg5	0.02	-135.12	599.31	287.13	-1127.19	608.24	-2112.23	-1139.90
LC4: DL + WI (Ice)	Leg5bP	Leg5	-0.05	166.22	1202.20	28.16	-104.46	80.72	455.86	-35605.55
LC4: DL + WI (Ice)	Leg5b1	Leg5	-0.11	165.42	808.45	99.74	-219.62	110.06	244.40	1821.72
LC4: DL + WI (Ice)	Leg5b2	Leg5	0.19	-287.09	1127.20	-140.70	-151.30	-177.56	405.06	869.19
LC4: DL + WI (Ice)	Leg5cP	Leg5	0.00	-28.16	104.46	-2.54	-17.98	-12.74	35.91	-21439.18
LC4: DL + WI (Ice)	Leg5c1	Leg5	0.01	-99.73	219.62	-40.76	-22.11	-58.31	81.97	7891.72
LC4: DL + WI (Ice)	Leg5c2	Leg5	-0.01	140.69	151.30	50.71	-33.24	79.44	49.00	8070.96
LC4: DL + WI (Ice)	Leg5dP	Leg5	0.00	2.54	17.98	-3.43	-47.95	-0.37	-12.44	-17000.93
LC4: DL + WI (Ice)	Leg5d1	Leg5	-0.00	40.76	22.11	11.13	-26.19	21.54	-1.70	5612.29
LC4: DL + WI (Ice)	Leg5d2	Leg5	0.00	-50.71	33.24	-13.21	-28.36	-26.53	2.02	5747.90
LC4: DL + WI (Ice)	Leg5eP	Leg5	-0.00	3.43	47.95	2.12	-22.31	2.30	10.64	-12650.01
LC4: DL + WI (Ice)	Leg5e1	Leg5	0.00	-11.13	26.19	-15.43	-8.32	-11.03	7.42	3624.83
LC4: DL + WI (Ice)	Leg5e2	Leg5	0.00	13.21	28.36	15.85	-6.21	12.06	9.19	3716.36
LC4: DL + WI (Ice)	Leg5fP	Leg5	0.00	-2.12	22.31	0.09	8.51	-0.84	12.80	-8677.42
LC4: DL + WI (Ice)	Leg5f1	Leg5	-0.00	15.43	8.32	48.18	-78.74	26.40	-29.23	1697.06
LC4: DL + WI (Ice)	Leg5f2	Leg5	0.00	-15.85	6.21	-48.72	-78.39	-26.80	-29.96	1763.87
LC4: DL + WI (Ice)	Leg5gP	Leg5	0.00	-0.09	-8.51	-1.42	25.63	-0.63	7.10	-4697.23
LC4: DL + WI (Ice)	Leg5g1	Leg5	-0.00	-48.18	78.74	-77.05	161.25	-51.98	99.62	-160.71
LC4: DL + WI (Ice)	Leg5g2	Leg5	0.00	48.72	78.39	77.91	159.32	52.56	98.67	-130.85
LC4: DL + WI (Ice)	Leg5hP	Leg5	0.00	1.42	-25.63	1.36	35.67	1.15	4.17	-1055.41
LC4: DL + WI (Ice)	Leg5h1	Leg5	0.00	77.05	-161.25	54.60	-56.71	54.64	-90.47	232.31
LC4: DL + WI (Ice)	Leg5h2	Leg5	-0.00	-77.91	-159.32	-54.98	-56.24	-55.16	-89.47	247.70
LC4: DL + WI (Ice)	Leg5iP	Leg5	0.00	-1.36	-35.67	-0.02	-70.13	-0.57	-43.91	-438.44
LC4: DL + WI (Ice)	Leg5i1	Leg5	0.00	-54.59	56.71	-0.02	-58.01	-22.67	-0.54	30.41
LC4: DL + WI (Ice)	Leg5i2	Leg5	-0.00	54.98	56.24	0.01	-50.15	22.82	2.53	45.94
LC4: DL + WI (Ice)	Leg5jP	Leg5	0.00	0.02	70.13	0.00	0.00	0.04	140.30	-84.04
LC4: DL + WI (Ice)	Leg5j1	Leg5	0.00	0.02	58.01	0.00	0.00	0.04	116.06	-72.40
LC4: DL + WI (Ice)	Leg5j2	Leg5	0.00	-0.01	50.15	0.00	0.00	-0.01	100.33	-57.06
LC5: DL + WI (Ice)	Leg1aP	Leg1	-21.27	-516.32	109.32	-106.94	-10.12	-512.67	81.59	-11472.58
LC5: DL + WI (Ice)	Leg1a1	Leg1	18.95	-404.65	-247.48	-108.42	-13.11	-422.06	-214.36	-16410.72
LC5: DL + WI (Ice)	Leg1a2	Leg1	-2.94	53.86	78.42	49.81	33.30	85.27	91.89	-6140.86
LC5: DL + WI (Ice)	Leg1bP	Leg1	-21.48	106.98	9.28	-3.23	-6.76	85.73	2.08	-11262.72
LC5: DL + WI (Ice)	Leg1b1	Leg1	19.37	108.24	13.94	16.06	20.08	102.72	28.11	-16263.53
LC5: DL + WI (Ice)	Leg1b2	Leg1	-3.30	-49.79	-33.31	0.07	-2.74	-41.08	-29.78	-6181.07
LC5: DL + WI (Ice)	Leg1cP	Leg1	-21.54	3.23	6.57	65.94	36.54	56.89	35.46	-11185.86
LC5: DL + WI (Ice)	Leg1c1	Leg1	19.62	-16.19	-19.74	99.01	7.63	68.13	-9.96	-16167.33
LC5: DL + WI (Ice)	Leg1c2	Leg1	-3.33	-0.07	2.70	23.20	-34.18	19.02	-25.89	-6093.19
LC5: DL + WI (Ice)	Leg1dP	Leg1	-21.74	-66.32	-35.72	-561.49	86.37	-518.77	41.81	-11425.43

LC5: DL + WI (Ice)	Leg1d1	Leg1	19.29	-98.98	-8.70	-327.85	-139.74	-352.73	-122.65	-16357.46
LC5: DL + WI (Ice)	Leg1d2	Leg1	-2.96	-23.21	34.21	-344.65	-1.65	-303.94	26.90	-6215.94
LC5: DL + WI (Ice)	Leg1eP	Leg1	-19.60	562.33	-81.27	467.45	181.09	1913.14	185.49	-10389.36
LC5: DL + WI (Ice)	Leg1e1	Leg1	17.33	329.15	136.92	788.09	-236.06	2075.76	-184.23	-15307.91
LC5: DL + WI (Ice)	Leg1e2	Leg1	-3.01	344.65	1.43	334.57	3.68	1261.79	9.49	-5526.87
LC5: DL + WI (Ice)	Leg2aP	Leg2	-0.03	52.05	-498.98	2.74	-28.10	219.23	-2109.34	-10275.09
LC5: DL + WI (Ice)	Leg2a1	Leg2	-0.03	734.82	370.33	95.23	35.80	3321.98	1625.40	-14902.22
LC5: DL + WI (Ice)	Leg2a2	Leg2	-0.02	-293.60	160.50	77.21	-44.56	-865.88	463.96	-5527.71
LC5: DL + WI (Ice)	Leg2bP	Leg2	-0.03	-2.73	28.11	63.05	55.50	25.35	35.15	-9716.65
LC5: DL + WI (Ice)	Leg2b1	Leg2	-0.03	-95.23	-35.80	120.49	0.81	10.62	-14.71	-15964.50
LC5: DL + WI (Ice)	Leg2b2	Leg2	-0.02	-77.21	44.56	-5.34	-17.85	-34.70	11.23	-4929.86
LC5: DL + WI (Ice)	Leg2cP	Leg2	-0.02	-63.05	-55.50	51.00	-107.01	-5.09	-68.60	-10713.47
LC5: DL + WI (Ice)	Leg2c1	Leg2	-0.03	-120.49	-0.81	-59.38	3.39	-75.94	1.09	-16952.98
LC5: DL + WI (Ice)	Leg2c2	Leg2	-0.02	5.34	17.85	79.75	11.26	35.92	12.29	-2809.34
LC5: DL + WI (Ice)	Leg2dP	Leg2	-0.03	-51.00	107.01	38.70	108.31	-5.17	90.51	-9783.19
LC5: DL + WI (Ice)	Leg2d1	Leg2	-0.03	59.38	-3.39	99.64	6.39	66.85	1.26	-18733.55
LC5: DL + WI (Ice)	Leg2d2	Leg2	-0.02	-79.75	-11.26	-22.86	6.08	-43.13	-2.18	-1829.21
LC5: DL + WI (Ice)	Leg2eP	Leg2	-0.02	-38.70	-108.31	45.77	-83.61	2.98	-81.02	-10542.44
LC5: DL + WI (Ice)	Leg2e1	Leg2	-0.03	-99.64	-6.39	21.68	-13.93	-32.91	-8.58	-19473.67
LC5: DL + WI (Ice)	Leg2e2	Leg2	-0.02	22.86	-6.08	108.25	2.14	55.34	-1.66	-253.69
LC5: DL + WI (Ice)	Leg2fP	Leg2	-0.03	-45.77	83.61	35.55	67.74	-4.30	63.62	-9829.60
LC5: DL + WI (Ice)	Leg2f1	Leg2	-0.03	-21.68	13.94	46.06	-29.00	10.25	-6.33	-20755.01
LC5: DL + WI (Ice)	Leg2f2	Leg2	-0.02	-108.25	-2.14	30.40	4.04	-32.72	0.80	450.07
LC5: DL + WI (Ice)	Leg2gP	Leg2	-0.02	-35.55	-67.74	-18.68	-70.99	-22.89	-58.57	-10363.10
LC5: DL + WI (Ice)	Leg2g1	Leg2	-0.04	-46.06	29.00	-76.28	74.65	-51.65	43.76	-21242.40
LC5: DL + WI (Ice)	Leg2g2	Leg2	-0.02	-30.40	-4.04	-42.18	7.88	-30.64	1.62	1656.15
LC5: DL + WI (Ice)	Leg2hP	Leg2	-0.03	18.68	70.99	85.43	-62.85	208.32	16.28	-10069.22
LC5: DL + WI (Ice)	Leg2h1	Leg2	-0.03	76.28	-74.65	82.50	88.76	317.76	28.23	-21756.59
LC5: DL + WI (Ice)	Leg2h2	Leg2	-0.02	42.18	-7.88	91.76	-17.67	267.97	-51.12	1932.14
LC5: DL + WI (Ice)	Leg3aP	Leg3	-0.02	-85.43	62.85	93.03	-58.27	30.40	18.36	-9994.66
LC5: DL + WI (Ice)	Leg3a1	Leg3	-0.03	-82.50	-88.75	117.28	95.66	139.22	27.64	-21682.06
LC5: DL + WI (Ice)	Leg3a2	Leg3	-0.02	-91.76	17.67	114.49	-30.10	90.93	-49.75	2006.70
LC5: DL + WI (Ice)	Leg3bP	Leg3	-0.04	-93.02	58.27	78.37	107.06	-6.08	68.64	-9952.91
LC5: DL + WI (Ice)	Leg3b1	Leg3	-0.01	-117.27	-95.66	121.34	-59.29	1.69	-64.34	-21638.15
LC5: DL + WI (Ice)	Leg3b2	Leg3	-0.02	-114.49	30.11	28.15	-7.52	-35.83	9.37	2055.22
LC5: DL + WI (Ice)	Leg3cP	Leg3	-0.01	-78.37	-107.06	48.89	-110.47	-12.24	-90.31	-9816.89
LC5: DL + WI (Ice)	Leg3c1	Leg3	-0.03	-121.34	59.29	-35.03	-34.72	-64.93	10.20	-21540.16
LC5: DL + WI (Ice)	Leg3c2	Leg3	-0.02	-28.15	7.52	101.56	16.15	30.47	9.83	1969.23
LC5: DL + WI (Ice)	Leg3dP	Leg3	-0.04	-48.89	110.47	32.79	96.05	-6.69	85.74	-10033.70
LC5: DL + WI (Ice)	Leg3d1	Leg3	-0.04	35.03	34.72	109.59	4.49	60.06	16.28	-21124.49
LC5: DL + WI (Ice)	Leg3d2	Leg3	-0.02	-101.55	-16.15	-16.38	1.62	-48.95	-6.03	1768.61
LC5: DL + WI (Ice)	Leg3eP	Leg3	-0.02	-32.79	-96.04	29.01	-110.49	-1.57	-85.74	-9611.87
LC5: DL + WI (Ice)	Leg3e1	Leg3	-0.04	-109.59	-4.49	1.83	30.07	-44.75	10.62	-20702.59
LC5: DL + WI (Ice)	Leg3e2	Leg3	-0.02	16.38	-1.62	107.37	-11.76	51.36	-5.55	1145.29
LC5: DL + WI (Ice)	Leg3fP	Leg3	-0.04	-29.01	110.49	68.10	151.37	16.23	108.71	-10108.16
LC5: DL + WI (Ice)	Leg3f1	Leg3	-0.03	-1.83	-30.07	85.90	46.12	34.91	6.66	-19754.67
LC5: DL + WI (Ice)	Leg3f2	Leg3	-0.02	-107.37	11.76	-5.22	11.94	-46.74	9.84	673.07
LC5: DL + WI (Ice)	Leg3gP	Leg3	-0.01	-68.10	-151.37	-6.63	-200.94	-31.02	-146.27	-9336.91
LC5: DL + WI (Ice)	Leg3g1	Leg3	-0.04	-85.90	-46.12	-114.82	-39.28	-83.34	-35.46	-19063.79
LC5: DL + WI (Ice)	Leg3g2	Leg3	-0.02	5.22	-11.94	71.14	37.66	31.70	10.68	-438.13
LC5: DL + WI (Ice)	Leg3hP	Leg3	-0.05	6.63	200.95	110.56	179.26	48.65	157.85	-10160.35
LC5: DL + WI (Ice)	Leg3h1	Leg3	-0.06	114.82	39.28	198.50	-110.11	130.09	-29.41	-17556.93
LC5: DL + WI (Ice)	Leg3h2	Leg3	-0.01	-71.14	-37.66	-7.25	-45.25	-32.54	-34.42	-1335.90
LC5: DL + WI (Ice)	Leg3iP	Leg3	0.05	-110.55	-179.26	312.58	-17.69	83.87	-81.76	-8967.65
LC5: DL + WI (Ice)	Leg3i1	Leg3	-0.12	-198.50	110.11	404.62	131.76	85.58	100.43	-16327.77
LC5: DL + WI (Ice)	Leg3i2	Leg3	-0.04	7.25	45.25	342.37	-126.03	145.13	-33.53	-3160.85
LC5: DL + WI (Ice)	Leg3jP	Leg3	-0.02	-312.58	17.68	0.19	-73.69	-625.11	-112.08	-9574.28
LC5: DL + WI (Ice)	Leg3j1	Leg3	-0.03	-404.61	-131.77	-97.06	45.26	-1004.00	-173.13	-15265.24
LC5: DL + WI (Ice)	Leg3j2	Leg3	-0.02	-342.37	126.02	-60.64	24.93	-806.34	302.02	-3793.69
LC5: DL + WI (Ice)	Leg4aP	Leg4	-0.02	-0.19	73.70	-199.49	-101.17	-799.14	-109.95	-9501.29
LC5: DL + WI (Ice)	Leg4a1	Leg4	-0.03	97.06	-45.26	-391.17	2.04	-1177.16	-173.01	-15192.23
LC5: DL + WI (Ice)	Leg4a2	Leg4	-0.02	60.64	-24.93	-305.50	100.72	-979.80	303.30	-3720.81
LC5: DL + WI (Ice)	Leg4bP	Leg4	0.01	199.50	101.17	-130.98	34.42	28.44	56.29	-10304.82
LC5: DL + WI (Ice)	Leg4b1	Leg4	-0.00	391.17	-2.05	-59.61	41.49	137.66	16.38	-13590.78
LC5: DL + WI (Ice)	Leg4b2	Leg4	0.01	305.49	-100.73	26.70	41.67	137.90	-24.52	-4503.47
LC5: DL + WI (Ice)	Leg4cP	Leg4	-0.05	130.98	-34.42	-32.31	-184.16	40.97	-90.74	-8515.90
LC5: DL + WI (Ice)	Leg4c1	Leg4	-0.02	59.61	-41.49	49.38	-1.03	45.25	-17.65	-11904.12
LC5: DL + WI (Ice)	Leg4c2	Leg4	-0.01	-26.70	-41.67	95.68	-18.98	28.64	-25.18	-7584.92
LC5: DL + WI (Ice)	Leg4dP	Leg4	-0.07	32.31	184.16	281.61	332.31	130.33	214.42	-10342.21
LC5: DL + WI (Ice)	Leg4d1	Leg4	-0.02	-49.38	1.03	73.07	-40.40	9.84	-16.34	-8732.89
LC5: DL + WI (Ice)	Leg4d2	Leg4	-0.01	-95.68	18.98	-81.25	-19.80	-73.45	-0.34	-9401.08
LC5: DL + WI (Ice)	Leg4eP	Leg4	0.04	-281.60	-332.32	-69.58	-224.69	-145.79	-231.24	-7954.03
LC5: DL + WI (Ice)	Leg4e1	Leg4	-0.02	-73.07	40.40	-62.59	11.96	-56.32	21.73	-6568.30
LC5: DL + WI (Ice)	Leg4e2	Leg4	-0.02	81.25	19.80	39.83	-13.61	50.27	2.57	-12676.92
LC5: DL + WI (Ice)	Leg4fP	Leg4	0.03	69.58	224.69	-132.32	80.87	-26.05	126.85	-10355.17
LC5: DL + WI (Ice)	Leg4f1	Leg4	-0.02	62.59	-11.96	12.44	67.10	31.14	22.89	-2963.33
LC5: DL + WI (Ice)	Leg4f2	Leg4	-0.01	-39.83	13.61	-48.16	19.57	-36.53	13.78	-15163.87
LC5: DL + WI (Ice)	Leg4gP	Leg4	-0.05	132.32	-80.87	-74.68	-129.32	23.93	-87.26	-7631.91
LC5: DL + WI (Ice)	Leg4g1	Leg4	-0.04	-12.44	-67.10	-200.41	-22.82	-88.35	-37.33	-259.29
LC5: DL + WI (Ice)	Leg4g2	Leg4	-0.01	48.16	-19.57	-16.57	52.09	13.12	13.50	-18903.59
LC5: DL + WI (Ice)	Leg4hP	Leg4	-0.01	74.69	129.32	85.91	187.54	66.67	131.55	-10385.27

LC5: DL + WI (Ice)	Leg4h1	Leg4	-0.06	200.41	22.82	131.73	-107.93	137.85	-35.32	3855.43
LC5: DL + WI (Ice)	Leg4h2	Leg4	-0.02	16.57	-52.09	-94.39	-62.69	-32.32	-47.66	-21771.34
LC5: DL + WI (Ice)	Leg4iP	Leg4	0.07	-85.91	-187.54	339.83	-46.08	105.41	-96.98	-7224.59
LC5: DL + WI (Ice)	Leg4i1	Leg4	-0.12	-131.73	107.93	486.74	174.85	147.33	117.35	6971.91
LC5: DL + WI (Ice)	Leg4i2	Leg4	-0.07	94.39	62.70	447.21	-146.97	224.93	-35.00	-26268.15
LC5: DL + WI (Ice)	Leg4jP	Leg4	-0.00	-339.83	46.07	-470.73	-97.64	-1621.94	-103.19	-8784.96
LC5: DL + WI (Ice)	Leg4j1	Leg4	-0.03	-486.73	-174.86	-624.13	-63.88	-2222.00	-477.54	9399.00
LC5: DL + WI (Ice)	Leg4j2	Leg4	-0.01	-447.21	146.96	-441.58	175.02	-1779.18	644.54	-27877.80
LC5: DL + WI (Ice)	Leg5aP	Leg5	-0.01	470.73	97.64	-920.35	-122.72	-1799.27	-100.37	-8689.22
LC5: DL + WI (Ice)	Leg5a1	Leg5	-0.02	624.13	63.87	-1225.80	-182.82	-2407.16	-475.89	9494.28
LC5: DL + WI (Ice)	Leg5a2	Leg5	-0.01	441.58	-175.02	-928.93	335.56	-1950.81	642.58	-27782.19
LC5: DL + WI (Ice)	Leg5bP	Leg5	0.03	920.35	122.67	-256.02	6.93	275.78	53.80	-8261.89
LC5: DL + WI (Ice)	Leg5b1	Leg5	0.10	1225.82	182.74	-56.54	80.85	485.25	109.39	12339.49
LC5: DL + WI (Ice)	Leg5b2	Leg5	-0.11	928.92	-335.61	-150.55	-66.21	323.21	-166.85	-29716.49
LC5: DL + WI (Ice)	Leg5cP	Leg5	0.00	256.02	-6.94	0.57	17.34	106.51	4.32	-1428.80
LC5: DL + WI (Ice)	Leg5c1	Leg5	-0.01	56.53	-80.85	-55.54	-31.33	0.41	-46.55	14306.45
LC5: DL + WI (Ice)	Leg5c2	Leg5	0.00	150.55	66.20	-14.98	5.25	56.29	29.66	-18557.19
LC5: DL + WI (Ice)	Leg5dP	Leg5	-0.00	-0.57	-17.34	-33.34	-10.29	-14.08	-11.47	-1566.92
LC5: DL + WI (Ice)	Leg5d1	Leg5	0.00	55.54	31.33	-25.84	9.25	12.33	16.84	10567.04
LC5: DL + WI (Ice)	Leg5d2	Leg5	-0.00	14.98	-5.24	-39.94	9.51	-10.36	1.77	-14757.88
LC5: DL + WI (Ice)	Leg5eP	Leg5	-0.00	33.34	10.29	1.59	4.10	14.50	5.98	-1559.04
LC5: DL + WI (Ice)	Leg5e1	Leg5	-0.00	25.84	-9.25	-19.18	-14.72	2.76	-9.95	7162.45
LC5: DL + WI (Ice)	Leg5e2	Leg5	-0.00	39.94	-9.51	-18.00	8.53	9.11	-0.41	-11050.36
LC5: DL + WI (Ice)	Leg5fP	Leg5	-0.00	-1.59	-4.10	-102.69	0.48	-43.29	-1.50	-1627.94
LC5: DL + WI (Ice)	Leg5f1	Leg5	0.00	19.18	14.72	-23.91	49.65	-1.96	26.72	3945.48
LC5: DL + WI (Ice)	Leg5f2	Leg5	-0.00	18.00	-8.53	-16.80	-45.65	0.50	-22.49	-7657.13
LC5: DL + WI (Ice)	Leg5gP	Leg5	-0.00	102.69	-0.48	198.07	-0.17	124.84	-0.27	-1651.70
LC5: DL + WI (Ice)	Leg5g1	Leg5	0.00	23.91	-49.65	71.83	-80.40	39.74	-53.98	803.73
LC5: DL + WI (Ice)	Leg5g2	Leg5	-0.00	16.80	45.65	65.64	70.87	34.22	48.37	-4254.52
LC5: DL + WI (Ice)	Leg5hP	Leg5	0.00	-198.07	0.17	-83.90	-2.99	-117.04	-1.17	-206.19
LC5: DL + WI (Ice)	Leg5h1	Leg5	-0.00	-71.83	80.40	3.76	55.24	-28.26	56.30	510.52
LC5: DL + WI (Ice)	Leg5h2	Leg5	0.00	-65.64	-70.87	3.58	-49.20	-25.76	-49.84	-914.60
LC5: DL + WI (Ice)	Leg5iP	Leg5	0.00	83.90	2.99	-68.33	0.93	6.46	1.63	-135.34
LC5: DL + WI (Ice)	Leg5i1	Leg5	-0.00	-3.76	-55.24	-56.36	0.78	-24.95	-22.61	125.65
LC5: DL + WI (Ice)	Leg5i2	Leg5	0.00	-3.58	49.20	-48.70	0.62	-21.70	20.68	-369.33
LC5: DL + WI (Ice)	Leg5jP	Leg5	-0.00	68.33	-0.93	0.00	0.00	136.71	-1.86	-87.65
LC5: DL + WI (Ice)	Leg5j1	Leg5	-0.00	56.36	-0.78	0.00	0.00	112.76	-1.56	-75.43
LC5: DL + WI (Ice)	Leg5j2	Leg5	-0.00	48.70	-0.62	0.00	0.00	97.43	-1.24	-59.69
LC6: DL + WI (Ice)	Leg1aP	Leg1	15.36	-474.31	-187.38	-133.97	-15.29	-500.37	-166.71	-14554.73
LC6: DL + WI (Ice)	Leg1a1	Leg1	2.96	46.53	6.93	37.18	30.50	68.85	30.79	-5658.70
LC6: DL + WI (Ice)	Leg1a2	Leg1	-21.48	-486.52	173.62	-83.01	7.07	-468.44	148.61	-6018.67
LC6: DL + WI (Ice)	Leg1bP	Leg1	15.90	133.77	16.41	12.38	19.51	120.77	29.68	-14360.26
LC6: DL + WI (Ice)	Leg1b1	Leg1	2.63	-37.17	-30.55	7.60	-0.51	-24.43	-25.67	-5683.05
LC6: DL + WI (Ice)	Leg1b2	Leg1	-21.78	82.88	-7.65	-0.25	-12.87	68.27	-16.96	-5814.88
LC6: DL + WI (Ice)	Leg1cP	Leg1	16.14	-12.51	-19.23	95.55	18.00	68.30	-1.02	-14279.23
LC6: DL + WI (Ice)	Leg1c1	Leg1	2.63	-7.60	0.54	24.17	-30.03	13.63	-24.25	-5605.68
LC6: DL + WI (Ice)	Leg1c2	Leg1	-21.91	0.19	12.65	42.78	7.15	35.34	16.29	-5762.73
LC6: DL + WI (Ice)	Leg1dP	Leg1	15.68	-95.42	-19.06	-289.38	-55.06	-317.98	-61.24	-14450.22
LC6: DL + WI (Ice)	Leg1d1	Leg1	2.95	-24.16	30.00	-206.35	-110.97	-190.46	-66.90	-5676.21
LC6: DL + WI (Ice)	Leg1d2	Leg1	-21.88	-42.90	-6.54	-493.70	133.87	-443.37	105.18	-5932.78
LC6: DL + WI (Ice)	Leg1eP	Leg1	14.51	289.88	52.71	660.19	-213.73	1765.14	-299.20	-13527.75
LC6: DL + WI (Ice)	Leg1e1	Leg1	1.89	206.46	110.79	313.60	-9.55	966.12	188.07	-5154.98
LC6: DL + WI (Ice)	Leg1e2	Leg1	-19.59	494.98	-129.42	201.52	101.98	1293.87	-50.97	-5210.79
LC6: DL + WI (Ice)	Leg2aP	Leg2	0.03	-37.92	-693.04	-1.46	-124.20	-157.61	-3270.64	-13144.13
LC6: DL + WI (Ice)	Leg2a1	Leg2	0.02	274.10	152.67	-26.66	-40.77	990.18	447.75	-5069.07
LC6: DL + WI (Ice)	Leg2a2	Leg2	0.03	-217.34	64.50	2.16	-18.27	-861.04	184.98	-5223.94
LC6: DL + WI (Ice)	Leg2bP	Leg2	0.04	1.46	124.20	-39.16	-70.82	-15.85	22.44	-14055.47
LC6: DL + WI (Ice)	Leg2b1	Leg2	0.01	26.66	40.77	49.71	0.52	32.10	17.36	-5007.55
LC6: DL + WI (Ice)	Leg2b2	Leg2	0.03	-2.16	18.27	32.49	-101.21	12.75	-34.86	-4264.65
LC6: DL + WI (Ice)	Leg2cP	Leg2	0.03	39.16	70.82	53.67	-7.16	39.19	26.88	-15781.14
LC6: DL + WI (Ice)	Leg2c1	Leg2	0.02	-49.71	-0.52	-64.53	-91.66	-48.22	-38.91	-3186.63
LC6: DL + WI (Ice)	Leg2c2	Leg2	0.03	-32.49	101.21	-83.03	24.35	-48.76	53.00	-4223.81
LC6: DL + WI (Ice)	Leg2dP	Leg2	0.03	-53.67	7.16	-29.46	-39.07	-34.95	-13.42	-17308.70
LC6: DL + WI (Ice)	Leg2d1	Leg2	0.01	64.53	91.66	70.13	23.57	56.60	48.43	-3121.26
LC6: DL + WI (Ice)	Leg2d2	Leg2	0.02	83.03	-24.35	69.71	-95.08	64.20	-50.20	-2636.18
LC6: DL + WI (Ice)	Leg2eP	Leg2	0.03	29.46	39.07	12.00	-58.79	17.50	-8.33	-18601.38
LC6: DL + WI (Ice)	Leg2e1	Leg2	0.02	-70.13	-23.57	-50.04	-106.32	-50.72	-54.82	-1762.62
LC6: DL + WI (Ice)	Leg2e2	Leg2	0.03	-69.71	95.08	-50.44	-7.65	-50.71	36.90	-2611.17
LC6: DL + WI (Ice)	Leg2fP	Leg2	0.03	-12.00	58.79	-27.78	-12.81	-16.72	19.33	-19680.91
LC6: DL + WI (Ice)	Leg2f1	Leg2	0.01	50.04	106.32	23.88	-29.79	31.07	32.16	-1733.07
LC6: DL + WI (Ice)	Leg2f2	Leg2	0.02	50.44	7.65	39.51	-67.61	37.81	-25.20	-1421.95
LC6: DL + WI (Ice)	Leg2gP	Leg2	0.03	27.78	12.81	70.23	15.89	41.38	12.12	-20599.32
LC6: DL + WI (Ice)	Leg2g1	Leg2	0.02	-23.88	29.79	-21.03	35.26	-18.96	27.46	-694.54
LC6: DL + WI (Ice)	Leg2g2	Leg2	0.03	-39.51	67.61	-48.06	77.48	-36.96	61.24	-1372.61
LC6: DL + WI (Ice)	Leg2hP	Leg2	0.03	-70.22	-15.89	59.67	-139.04	-21.13	-310.05	-21009.19
LC6: DL + WI (Ice)	Leg2h1	Leg2	0.02	21.03	-35.26	-30.03	-71.17	-18.00	-212.92	-685.03
LC6: DL + WI (Ice)	Leg2h2	Leg2	0.03	48.06	-77.48	-18.32	-52.60	59.50	-260.24	-891.43
LC6: DL + WI (Ice)	Leg3aP	Leg3	0.03	-59.67	139.04	55.23	-172.03	-17.76	-132.07	-20930.82
LC6: DL + WI (Ice)	Leg3a1	Leg3	0.02	30.03	71.17	-33.33	-80.52	-13.22	-37.42	-606.62
LC6: DL + WI (Ice)	Leg3a2	Leg3	0.03	18.32	52.60	-2.25	-73.78	64.31	-84.74	-813.06
LC6: DL + WI (Ice)	Leg3bP	Leg3	0.05	-55.23	172.03	-74.24	-39.07	-53.76	55.21	-20857.33

LC6: DL + WI (Ice)	Leg3b1	Leg3	0.01	33.33	80.52	49.88	-34.34	34.54	19.17	-566.51
LC6: DL + WI (Ice)	Leg3b2	Leg3	0.02	2.25	73.78	51.96	-135.38	22.50	-25.57	-747.45
LC6: DL + WI (Ice)	Leg3cP	Leg3	0.03	74.24	39.07	22.84	-24.49	40.31	6.05	-20755.96
LC6: DL + WI (Ice)	Leg3c1	Leg3	0.03	-49.88	34.34	-60.51	-117.89	-45.82	-34.68	-693.85
LC6: DL + WI (Ice)	Leg3c2	Leg3	0.04	-51.96	135.38	-87.19	19.38	-57.76	64.24	-656.01
LC6: DL + WI (Ice)	Leg3dP	Leg3	0.03	-22.84	24.49	-25.75	-46.19	-20.18	-9.01	-20351.15
LC6: DL + WI (Ice)	Leg3d1	Leg3	0.01	60.51	117.89	66.31	14.83	52.64	55.09	-699.33
LC6: DL + WI (Ice)	Leg3d2	Leg3	0.02	87.19	-19.38	61.64	-98.19	61.77	-48.80	-959.49
LC6: DL + WI (Ice)	Leg3eP	Leg3	0.03	25.75	46.19	54.93	-47.43	33.50	-0.51	-19740.15
LC6: DL + WI (Ice)	Leg3e1	Leg3	0.02	-66.31	-14.83	-63.78	-91.48	-54.00	-44.13	-1264.07
LC6: DL + WI (Ice)	Leg3e2	Leg3	0.03	-61.64	98.19	-39.71	0.24	-42.07	40.85	-870.40
LC6: DL + WI (Ice)	Leg3fP	Leg3	0.04	-54.93	47.43	-26.90	-87.54	-33.98	-16.66	-18858.19
LC6: DL + WI (Ice)	Leg3f1	Leg3	0.01	63.78	91.48	60.59	18.70	51.62	45.73	-1278.45
LC6: DL + WI (Ice)	Leg3f2	Leg3	0.02	39.71	-0.24	84.05	-65.28	51.37	-27.20	-1599.43
LC6: DL + WI (Ice)	Leg3gP	Leg3	0.03	26.90	87.54	59.56	70.03	35.90	65.43	-17797.77
LC6: DL + WI (Ice)	Leg3g1	Leg3	0.02	-60.59	-18.70	-68.25	-104.46	-53.48	-51.12	-2321.59
LC6: DL + WI (Ice)	Leg3g2	Leg3	0.03	-84.06	65.28	-123.22	84.88	-86.04	62.33	-1483.17
LC6: DL + WI (Ice)	Leg3hP	Leg3	0.02	-59.56	-70.03	-141.74	-67.92	-83.58	-57.28	-16363.23
LC6: DL + WI (Ice)	Leg3h1	Leg3	0.00	68.25	104.46	80.55	-9.42	61.77	39.45	-2379.49
LC6: DL + WI (Ice)	Leg3h2	Leg3	-0.00	123.22	-84.88	65.34	-221.25	78.27	-127.07	-2738.17
LC6: DL + WI (Ice)	Leg3iP	Leg3	-0.05	141.74	67.91	-22.96	-456.08	49.32	-161.17	-14645.30
LC6: DL + WI (Ice)	Leg3i1	Leg3	0.04	-80.55	9.42	-90.02	-254.34	-70.81	-101.67	-4087.78
LC6: DL + WI (Ice)	Leg3i2	Leg3	0.04	-65.34	221.25	43.46	-303.04	-9.08	-33.95	-2619.63
LC6: DL + WI (Ice)	Leg3jP	Leg3	0.02	22.96	456.08	52.46	38.60	150.93	989.95	-13638.66
LC6: DL + WI (Ice)	Leg3j1	Leg3	0.01	90.02	254.34	-6.21	46.08	167.69	601.10	-4119.07
LC6: DL + WI (Ice)	Leg3j2	Leg3	0.02	-43.46	303.04	-59.95	88.72	-206.90	783.83	-3501.17
LC6: DL + WI (Ice)	Leg4aP	Leg4	0.03	-52.46	-38.60	91.12	329.03	154.76	1162.43	-13561.89
LC6: DL + WI (Ice)	Leg4a1	Leg4	0.01	6.21	-46.08	36.87	239.23	172.40	772.89	-4042.46
LC6: DL + WI (Ice)	Leg4a2	Leg4	0.02	59.95	-88.72	-110.44	327.49	-202.05	955.44	-3424.48
LC6: DL + WI (Ice)	Leg4bP	Leg4	0.06	-91.12	-329.03	100.65	30.80	3.96	-123.82	-12125.96
LC6: DL + WI (Ice)	Leg4b1	Leg4	0.01	-36.87	-239.23	1.43	-10.86	-14.71	-103.81	-4029.24
LC6: DL + WI (Ice)	Leg4b2	Leg4	0.05	110.44	-327.49	51.37	53.97	67.17	-113.54	-4737.87
LC6: DL + WI (Ice)	Leg4cP	Leg4	0.02	-100.65	-30.80	42.57	12.00	-24.11	-7.81	-9421.27
LC6: DL + WI (Ice)	Leg4c1	Leg4	0.01	-1.43	10.86	-38.69	-82.84	-16.65	-29.88	-6798.52
LC6: DL + WI (Ice)	Leg4c2	Leg4	0.02	-51.37	-53.97	-17.36	-28.25	-28.53	-34.13	-4585.91
LC6: DL + WI (Ice)	Leg4dP	Leg4	0.03	-42.57	-12.00	-204.91	-145.74	-102.74	-65.48	-6457.12
LC6: DL + WI (Ice)	Leg4d1	Leg4	0.01	38.69	82.84	72.53	50.89	46.17	55.52	-6900.52
LC6: DL + WI (Ice)	Leg4d2	Leg4	0.02	17.36	28.25	28.44	-91.87	19.01	-26.41	-7243.32
LC6: DL + WI (Ice)	Leg4eP	Leg4	0.03	204.91	145.74	78.54	92.97	117.66	99.09	-3204.65
LC6: DL + WI (Ice)	Leg4e1	Leg4	0.01	-72.53	-50.89	-56.25	-35.33	-53.46	-35.79	-10039.39
LC6: DL + WI (Ice)	Leg4e2	Leg4	0.02	-28.44	91.87	-45.16	51.47	-30.55	59.51	-7071.25
LC6: DL + WI (Ice)	Leg4fP	Leg4	0.03	-78.54	-92.97	61.97	5.00	-6.88	-36.51	319.60
LC6: DL + WI (Ice)	Leg4f1	Leg4	0.02	56.25	35.33	50.03	78.13	44.12	47.10	-10106.25
LC6: DL + WI (Ice)	Leg4f2	Leg4	0.03	45.16	-51.47	96.34	25.22	58.74	-10.90	-10467.29
LC6: DL + WI (Ice)	Leg4gP	Leg4	0.01	-61.97	-5.00	59.05	106.47	-1.21	42.11	3914.55
LC6: DL + WI (Ice)	Leg4g1	Leg4	0.01	-50.03	-78.13	-73.33	-22.58	-51.22	-41.81	-13861.65
LC6: DL + WI (Ice)	Leg4g2	Leg4	-0.01	-96.34	-25.22	-125.90	186.74	-92.26	67.06	-10285.71
LC6: DL + WI (Ice)	Leg4hP	Leg4	-0.00	-59.05	-106.47	-161.71	18.83	-91.62	-36.37	8008.92
LC6: DL + WI (Ice)	Leg4h1	Leg4	0.02	73.33	22.58	114.64	73.52	78.04	39.90	-13985.14
LC6: DL + WI (Ice)	Leg4h2	Leg4	0.01	125.89	-186.74	87.99	-194.68	88.80	-158.37	-14046.60
LC6: DL + WI (Ice)	Leg4iP	Leg4	-0.10	161.71	-18.84	9.31	-580.28	70.97	-248.61	12311.06
LC6: DL + WI (Ice)	Leg4i1	Leg4	0.05	-114.64	-73.52	-115.29	-335.69	-95.47	-169.92	-18372.18
LC6: DL + WI (Ice)	Leg4i2	Leg4	0.04	-87.99	194.68	66.99	-335.59	-8.72	-58.50	-13868.30
LC6: DL + WI (Ice)	Leg4jP	Leg4	0.00	-9.31	580.28	132.42	597.08	246.24	2354.77	14685.79
LC6: DL + WI (Ice)	Leg4j1	Leg4	0.02	115.29	335.69	25.04	378.76	280.87	1429.90	-18433.05
LC6: DL + WI (Ice)	Leg4j2	Leg4	0.02	-66.99	335.59	-110.67	540.58	-355.56	1753.49	-16073.26
LC6: DL + WI (Ice)	Leg5aP	Leg5	0.02	-132.42	-597.08	195.86	1231.80	253.77	2539.21	14784.97
LC6: DL + WI (Ice)	Leg5a1	Leg5	0.01	-25.05	-378.76	96.68	779.18	286.69	1602.60	-18333.31
LC6: DL + WI (Ice)	Leg5a2	Leg5	0.01	110.67	-540.58	-197.66	1021.42	-348.17	1924.40	-15973.82
LC6: DL + WI (Ice)	Leg5bP	Leg5	-0.02	-195.84	-1231.80	-12.27	38.35	-86.36	-495.25	17850.27
LC6: DL + WI (Ice)	Leg5b1	Leg5	-0.04	-96.67	-779.18	-25.48	228.45	-50.72	-228.65	-19388.21
LC6: DL + WI (Ice)	Leg5b2	Leg5	0.12	197.65	-1021.42	89.33	180.69	119.14	-349.04	-16964.48
LC6: DL + WI (Ice)	Leg5cP	Leg5	0.00	12.27	-38.35	1.58	60.89	5.75	9.35	16528.65
LC6: DL + WI (Ice)	Leg5c1	Leg5	0.00	25.48	-228.45	-0.89	1.91	10.21	-94.05	-12164.67
LC6: DL + WI (Ice)	Leg5c2	Leg5	-0.00	-89.33	-180.69	-6.18	7.11	-39.65	-72.06	-10195.53
LC6: DL + WI (Ice)	Leg5dP	Leg5	0.00	-1.58	-60.89	5.97	24.15	1.82	-15.25	12286.05
LC6: DL + WI (Ice)	Leg5d1	Leg5	0.00	0.89	-1.91	10.92	34.13	4.90	13.37	-9832.87
LC6: DL + WI (Ice)	Leg5d2	Leg5	0.00	6.18	-7.11	-3.99	37.27	0.91	12.52	-8303.44
LC6: DL + WI (Ice)	Leg5eP	Leg5	-0.00	-5.97	-24.15	-2.55	26.30	-3.54	0.89	8382.89
LC6: DL + WI (Ice)	Leg5e1	Leg5	0.00	-10.92	-34.13	10.90	6.25	-0.01	-11.57	-7527.31
LC6: DL + WI (Ice)	Leg5e2	Leg5	0.00	3.99	-37.27	-8.73	2.04	-1.97	-14.62	-6415.06
LC6: DL + WI (Ice)	Leg5fP	Leg5	0.00	2.55	-26.29	8.24	-5.45	4.48	-13.18	4710.31
LC6: DL + WI (Ice)	Leg5f1	Leg5	-0.00	-10.90	-6.25	-46.16	68.48	-23.69	25.83	-5421.06
LC6: DL + WI (Ice)	Leg5f2	Leg5	0.00	8.73	-2.04	49.72	75.96	24.27	30.69	-4723.90
LC6: DL + WI (Ice)	Leg5gP	Leg5	0.00	-8.24	5.45	-14.47	-23.78	-9.43	-7.61	1113.67
LC6: DL + WI (Ice)	Leg5g1	Leg5	-0.00	46.16	-68.48	67.36	-144.94	47.12	-88.59	-3296.04
LC6: DL + WI (Ice)	Leg5g2	Leg5	0.00	-49.72	-75.96	-78.89	-155.30	-53.39	-95.99	-3013.97
LC6: DL + WI (Ice)	Leg5hP	Leg5	-0.00	14.47	23.78	6.07	-37.61	8.53	-5.74	586.68
LC6: DL + WI (Ice)	Leg5h1	Leg5	0.00	-67.36	144.94	-48.03	50.49	-47.90	81.12	-643.06
LC6: DL + WI (Ice)	Leg5h2	Leg5	-0.00	78.89	155.30	49.05	58.31	53.11	88.66	-579.75
LC6: DL + WI (Ice)	Leg5iP	Leg5	-0.00	-6.07	37.61	2.57	67.09	-1.45	43.46	146.44

LC6: DL + WI (Ice)	Leg5i1	Leg5	0.00	48.03	-50.49	2.22	55.27	20.85	1.98	-287.27
LC6: DL + WI (Ice)	Leg5i2	Leg5	-0.00	-49.05	-58.31	1.79	47.79	-19.62	-4.37	-250.14
LC6: DL + WI (Ice)	Leg5jP	Leg5	0.00	-2.57	-67.09	-0.00	0.00	-5.15	-134.22	-90.61
LC6: DL + WI (Ice)	Leg5j1	Leg5	0.00	-2.22	-55.27	-0.00	0.00	-4.43	-110.57	-77.84
LC6: DL + WI (Ice)	Leg5j2	Leg5	0.00	-1.79	-47.79	-0.00	0.00	-3.59	-95.60	-61.78

*** Analysis Results for Load Case No. 1 "LC1: DL + WL" - Number of iterations in SAPS 34

Equilibrium Joint Positions and Rotations for Load Case "LC1: DL + WL":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
100P	0	0	0	0.5025	4.3087	-0.2679	0	0	0
101P	0.08352	-0.01223	-0.03717	0.5080	4.3057	-0.2727	0.5335	-0.01223	1.093
102P	0.1661	-0.02441	-0.07497	0.5052	4.2936	-0.2736	1.076	-0.02441	2.175
103P	0.2492	-0.03663	-0.1119	0.5047	4.2797	-0.2757	1.609	-0.03663	3.268
104P	0.3314	-0.0488	-0.1496	0.5008	4.2996	-0.2757	2.151	-0.0488	4.35
105P	0.3684	-0.05417	-0.1661	0.4981	4.2975	-0.2753	2.388	-0.05417	4.834
106P	0.387	-0.05643	-0.1668	0.4975	4.2905	-0.2754	2.407	-0.05643	5.083
107P	0.5649	-0.07795	-0.1738	0.4998	4.2879	-0.2755	2.585	-0.07795	7.456
108P	0.7419	-0.09955	-0.1807	0.5017	4.2841	-0.2757	2.762	-0.09955	9.819
109P	0.9194	-0.1212	-0.1877	0.5018	4.2793	-0.2758	2.939	-0.1212	12.19
110P	1.096	-0.1428	-0.1945	0.4992	4.2752	-0.2756	3.116	-0.1428	14.56
111P	1.273	-0.1643	-0.2014	0.4973	4.2667	-0.2755	3.293	-0.1643	16.93
112P	1.449	-0.1858	-0.2082	0.5031	4.2556	-0.2760	3.469	-0.1858	19.29
113P	1.486	-0.1904	-0.2096	0.5040	4.2543	-0.2761	3.506	-0.1904	19.79
114P	1.505	-0.1927	-0.2104	0.5041	4.2546	-0.2761	3.525	-0.1927	20.04
115P	1.683	-0.2148	-0.2174	0.5049	4.2518	-0.2762	3.703	-0.2148	22.44
116P	1.862	-0.2368	-0.2243	0.5001	4.2394	-0.2759	3.882	-0.2368	24.85
117P	2.039	-0.2586	-0.2313	0.4996	4.2345	-0.2759	4.059	-0.2586	27.25
118P	2.217	-0.2805	-0.2383	0.4994	4.2309	-0.2760	4.237	-0.2805	29.65
119P	2.395	-0.3023	-0.2453	0.4968	4.2205	-0.2758	4.415	-0.3023	32.05
120P	2.572	-0.3239	-0.2524	0.4862	4.2286	-0.2750	4.592	-0.3239	34.46
121P	2.75	-0.3451	-0.2595	0.4908	4.2303	-0.2753	4.77	-0.3451	36.86
122P	2.926	-0.3673	-0.2666	0.5240	4.1540	-0.2784	4.946	-0.3673	39.26
123P	2.962	-0.3721	-0.2681	0.5285	4.1460	-0.2788	4.982	-0.3721	39.76
124P	2.98	-0.3744	-0.2688	0.5291	4.1561	-0.2788	5	-0.3744	40.01
125P	3.157	-0.3972	-0.276	0.5019	4.2320	-0.2760	5.177	-0.3972	42.41
126P	3.335	-0.4181	-0.2834	0.4589	4.2491	-0.2727	5.355	-0.4181	44.82
127P	3.513	-0.4385	-0.291	0.4918	4.2307	-0.2753	5.533	-0.4385	47.22
128P	3.69	-0.4612	-0.2985	0.5268	4.2254	-0.2779	5.71	-0.4612	49.62
129P	3.868	-0.4836	-0.3063	0.4966	4.2635	-0.2753	5.888	-0.4836	52.02
130P	4.048	-0.5047	-0.3143	0.4683	4.2931	-0.2729	6.068	-0.5047	54.43
131P	4.228	-0.5253	-0.3225	0.4823	4.3126	-0.2738	6.248	-0.5253	56.83
132P	4.408	-0.5472	-0.3309	0.5094	4.2378	-0.2765	6.428	-0.5472	59.23
133P	4.445	-0.5518	-0.3326	0.5064	4.2430	-0.2763	6.465	-0.5518	59.73
134P	4.464	-0.5541	-0.3334	0.5034	4.2650	-0.2758	6.484	-0.5541	59.98
135P	4.647	-0.5757	-0.3416	0.4887	4.4279	-0.2733	6.667	-0.5757	62.38
136P	4.834	-0.5972	-0.3496	0.4916	4.4530	-0.2733	6.854	-0.5972	64.78
137P	5.021	-0.6187	-0.3575	0.4910	4.4637	-0.2731	7.041	-0.6187	67.18
138P	5.208	-0.6403	-0.3654	0.4909	4.4764	-0.2730	7.228	-0.6403	69.58
139P	5.396	-0.6618	-0.3731	0.4911	4.4790	-0.2730	7.416	-0.6618	71.99
140P	5.584	-0.6834	-0.3806	0.4910	4.4714	-0.2730	7.604	-0.6834	74.39
141P	5.772	-0.7049	-0.3881	0.4910	4.4600	-0.2731	7.792	-0.7049	76.79
142P	5.959	-0.7264	-0.3955	0.4911	4.4630	-0.2731	7.979	-0.7264	79.19
143P	5.998	-0.7309	-0.397	0.4911	4.4647	-0.2731	8.018	-0.7309	79.69
200P	6.26	-0.5334	-2.783	0.0000	0.0000	0.0000	2.22	-0.5334	59.94
1011	0.08348	-0.009287	0.01003	0.4445	4.3094	-0.2805	-0.1415	-0.399	1.14
1012	0.08739	-0.009312	0.01685	0.5548	4.2967	-0.2509	-0.1376	0.3804	1.147
1021	0.166	-0.01845	0.02037	0.4602	4.2993	-0.2878	-0.289	-0.8065	2.27
1022	0.1739	-0.01853	0.03416	0.5412	4.2892	-0.2431	-0.2811	0.7696	2.284
1031	0.249	-0.02773	0.03036	0.4534	4.2948	-0.2962	-0.431	-1.206	3.41
1032	0.2608	-0.02787	0.05096	0.5477	4.2829	-0.2331	-0.4192	1.15	3.431
1041	0.3312	-0.03696	0.04063	0.4860	4.2827	-0.3020	-0.5788	-1.613	4.541
1042	0.3469	-0.03703	0.0682	0.5183	4.2758	-0.2275	-0.5631	1.539	4.568
1051	0.3677	-0.04139	0.04494	0.4880	4.2890	-0.3020	-0.6423	-1.791	5.045
1052	0.3853	-0.04086	0.07557	0.5185	4.2857	-0.2278	-0.6247	1.709	5.076
1061	0.3864	-0.04358	0.04419	0.4827	4.2947	-0.3015	-0.6236	-1.793	5.294
1062	0.404	-0.04324	0.07482	0.5242	4.2918	-0.2282	-0.606	1.706	5.325
1071	0.5646	-0.06507	0.03705	0.5019	4.2963	-0.3030	-0.4454	-1.814	7.667
1072	0.5819	-0.06517	0.06767	0.5031	4.2871	-0.2267	-0.4281	1.684	7.698
1081	0.7418	-0.08683	0.02993	0.5045	4.2867	-0.3033	-0.2682	-1.836	10.03
1082	0.7588	-0.08665	0.06058	0.5050	4.2836	-0.2268	-0.2512	1.663	10.06
1091	0.9193	-0.1086	0.02281	0.4981	4.2787	-0.3028	-0.09073	-1.858	12.4
1092	0.9364	-0.1084	0.05345	0.5031	4.2796	-0.2267	-0.07361	1.641	12.43
1101	1.096	-0.1301	0.01573	0.4981	4.2731	-0.3029	0.08586	-1.879	14.77
1102	1.113	-0.1298	0.04636	0.5033	4.2735	-0.2268	0.1029	1.62	14.8
1111	1.273	-0.1518	0.008636	0.4985	4.2700	-0.3029	0.2629	-1.901	17.14
1112	1.29	-0.1516	0.03926	0.5118	4.2650	-0.2275	0.28	1.598	17.17
1121	1.449	-0.1732	0.001579	0.4979	4.2614	-0.3030	0.4391	-1.923	19.5
1122	1.466	-0.1734	0.03222	0.5057	4.2545	-0.2271	0.4558	1.576	19.53
1131	1.486	-0.1778	9.606e-005	0.5003	4.2559	-0.3032	0.4762	-1.927	20
1132	1.503	-0.1779	0.03073	0.5030	4.2545	-0.2269	0.4929	1.571	20.03
1141	1.505	-0.1801	-0.0006617	0.5018	4.2527	-0.3033	0.4947	-1.929	20.25

1142	1.521	-0.1802	0.02997	0.5013	4.2554	-0.2268	0.5114	1.569	20.28
1151	1.683	-0.2022	-0.007939	0.4981	4.2454	-0.3031	0.673	-1.952	22.65
1152	1.7	-0.2018	0.02266	0.4934	4.2526	-0.2262	0.6902	1.548	22.68
1161	1.861	-0.2239	-0.01519	0.4970	4.2410	-0.3031	0.8512	-1.973	25.05
1162	1.878	-0.2234	0.01538	0.5050	4.2428	-0.2271	0.8684	1.526	25.09
1171	2.039	-0.2459	-0.02241	0.4977	4.2350	-0.3032	1.029	-1.995	27.46
1172	2.056	-0.2455	0.008138	0.5082	4.2314	-0.2275	1.046	1.504	27.49
1181	2.217	-0.2676	-0.02958	0.4961	4.2289	-0.3031	1.207	-2.017	29.86
1182	2.234	-0.2674	0.0009467	0.5038	4.2244	-0.2272	1.224	1.482	29.89
1191	2.394	-0.2895	-0.03673	0.4962	4.2239	-0.3031	1.384	-2.039	32.26
1192	2.411	-0.2892	-0.006207	0.4944	4.2261	-0.2265	1.401	1.46	32.29
1201	2.571	-0.3113	-0.04382	0.5010	4.2226	-0.3035	1.561	-2.061	34.67
1202	2.589	-0.3106	-0.01337	0.5009	4.2392	-0.2269	1.579	1.439	34.7
1211	2.749	-0.3333	-0.05091	0.4946	4.2268	-0.3030	1.739	-2.083	37.07
1212	2.767	-0.3329	-0.02051	0.5179	4.2237	-0.2283	1.757	1.416	37.1
1221	2.926	-0.3548	-0.0579	0.4935	4.1835	-0.3033	1.916	-2.104	39.47
1222	2.943	-0.355	-0.02748	0.4944	4.1450	-0.2273	1.933	1.394	39.5
1231	2.962	-0.3593	-0.05932	0.4980	4.1723	-0.3037	1.952	-2.109	39.97
1232	2.979	-0.3594	-0.02889	0.4901	4.1401	-0.2270	1.969	1.39	40
1241	2.98	-0.3616	-0.06003	0.4983	4.1758	-0.3037	1.97	-2.111	40.22
1242	2.997	-0.3617	-0.0296	0.4911	4.1492	-0.2270	1.987	1.388	40.25
1251	3.157	-0.3834	-0.06698	0.4936	4.2200	-0.3029	2.147	-2.133	42.62
1252	3.173	-0.3833	-0.03651	0.5003	4.2312	-0.2269	2.163	1.366	42.65
1261	3.334	-0.4051	-0.0739	0.4965	4.2273	-0.3031	2.324	-2.154	45.03
1262	3.351	-0.405	-0.04356	0.5012	4.2450	-0.2268	2.341	1.344	45.06
1271	3.512	-0.4269	-0.08083	0.4932	4.2344	-0.3028	2.502	-2.176	47.43
1272	3.529	-0.4268	-0.05051	0.4986	4.2317	-0.2268	2.519	1.323	47.46
1281	3.69	-0.4485	-0.08767	0.4907	4.2438	-0.3025	2.68	-2.198	49.83
1282	3.707	-0.4484	-0.05742	0.5011	4.2356	-0.2269	2.697	1.301	49.86
1291	3.868	-0.4701	-0.09454	0.4913	4.2583	-0.3024	2.858	-2.22	52.24
1292	3.885	-0.4702	-0.06426	0.4919	4.2591	-0.2260	2.875	1.279	52.27
1301	4.047	-0.4917	-0.1013	0.4975	4.2800	-0.3027	3.037	-2.241	54.64
1302	4.065	-0.4914	-0.07119	0.4971	4.3031	-0.2260	3.055	1.258	54.67
1311	4.228	-0.5137	-0.1082	0.4884	4.3116	-0.3017	3.218	-2.263	57.04
1312	4.246	-0.5135	-0.07811	0.5110	4.3121	-0.2270	3.236	1.236	57.07
1321	4.408	-0.5349	-0.115	0.4909	4.2723	-0.3022	3.398	-2.284	59.45
1322	4.426	-0.5352	-0.0849	0.4788	4.2313	-0.2253	3.416	1.214	59.48
1331	4.446	-0.5394	-0.1163	0.4940	4.2720	-0.3024	3.436	-2.289	59.94
1332	4.463	-0.5395	-0.08626	0.4784	4.2405	-0.2252	3.453	1.21	59.97
1341	4.464	-0.5417	-0.117	0.4915	4.2867	-0.3021	3.454	-2.291	60.19
1342	4.481	-0.5416	-0.08695	0.4837	4.2619	-0.2254	3.471	1.208	60.22
1351	4.647	-0.5629	-0.124	0.4847	4.4174	-0.3005	3.637	-2.312	62.6
1352	4.664	-0.5635	-0.0939	0.5019	4.4218	-0.2253	3.654	1.186	62.63
1361	4.834	-0.5846	-0.131	0.4923	4.4569	-0.3007	3.824	-2.334	65
1362	4.851	-0.5849	-0.1009	0.4908	4.4547	-0.2241	3.841	1.164	65.03
1371	5.021	-0.6062	-0.1382	0.4894	4.4668	-0.3004	4.011	-2.356	67.4
1372	5.038	-0.6064	-0.1081	0.4947	4.4662	-0.2243	4.028	1.143	67.43
1381	5.209	-0.6277	-0.1454	0.4873	4.4725	-0.3002	4.199	-2.377	69.8
1382	5.226	-0.628	-0.1154	0.4966	4.4718	-0.2244	4.216	1.121	69.83
1391	5.397	-0.6493	-0.1528	0.4944	4.4893	-0.3006	4.387	-2.399	72.21
1392	5.414	-0.6495	-0.1227	0.4895	4.4884	-0.2237	4.404	1.1	72.24
1401	5.586	-0.6711	-0.1603	0.4888	4.4722	-0.3003	4.576	-2.42	74.61
1402	5.602	-0.6708	-0.1302	0.4951	4.4714	-0.2243	4.592	1.079	74.64
1411	5.773	-0.6923	-0.1676	0.4837	4.4519	-0.3001	4.763	-2.442	77.01
1412	5.789	-0.6926	-0.1376	0.5001	4.4512	-0.2249	4.779	1.057	77.04
1421	5.96	-0.714	-0.175	0.4946	4.4707	-0.3007	4.95	-2.463	79.41
1422	5.977	-0.7141	-0.145	0.4894	4.4693	-0.2239	4.967	1.035	79.45
1431	5.999	-0.7185	-0.1766	0.4946	4.4720	-0.3007	4.989	-2.468	79.91
1432	6.016	-0.7185	-0.1465	0.4894	4.4704	-0.2239	5.006	1.031	79.94
2001	3.496	-2.187	-3.054	0.0000	0.0000	0.0000	5.516	1.311	59.67
2002	3.667	0.7837	-2.931	0.0000	0.0000	0.0000	5.687	-2.715	59.79
$Gnd1	0	0	0	0.0000	0.0000	0.0000	80	0	-3
$Gnd3	0	0	0	0.0000	0.0000	0.0000	-28	48.6	-3
$Gnd5	0	0	0	0.0000	0.0000	0.0000	-38.3	-66.3	-3

Joint Support Reactions for Load Case "LC1: DL + WL":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Horz. Shear Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
100P	0.56	0.0	-0.23	0.0	0.0	29.57	0.0	0.0	29.58	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd1	0.00	0.0	0.00	0.0	0.0	-0.03	0.0	0.0	0.03	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd3	-6.55	0.0	9.77	0.0	0.0	-12.69	0.0	0.0	17.30	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd5	-6.30	0.0	-9.51	0.0	0.0	-9.19	0.0	0.0	14.65	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "LC1: DL + WL":

Joint Label	X External Load	Y External Load	Z External Load	X Member Force	Y Member Force	Z Member Force	X Disp.	Y Disp.	Z Disp.

	(kips)	(kips)	(kips)	(kips)	(kips)	(kips)	(ft)	(ft)	(ft)
100P	0.0329	0.0000	-0.0226	-0.5965	0.2343	-29.5463	0.0000	0.0000	0.0000
101P	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.0835	-0.0122	-0.0372
102P	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.1661	-0.0244	-0.0750
103P	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.2492	-0.0366	-0.1119
104P	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.3314	-0.0488	-0.1496
105P	0.0775	0.0000	-0.0474	-0.0775	0.0000	0.0474	0.3684	-0.0542	-0.1661
106P	0.0446	0.0000	-0.0248	-0.0446	-0.0000	0.0248	0.3870	-0.0564	-0.1668
107P	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	0.5649	-0.0779	-0.1738
108P	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	0.7419	-0.0996	-0.1807
109P	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	0.9194	-0.1212	-0.1877
110P	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	1.0960	-0.1428	-0.1945
111P	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	1.2731	-0.1643	-0.2014
112P	0.0573	0.0000	-0.0348	-0.0573	0.0000	0.0348	1.4491	-0.1858	-0.2082
113P	0.0945	0.0000	-0.0468	-0.0945	0.0000	0.0468	1.4861	-0.1904	-0.2096
114P	0.0656	0.0000	-0.0250	-0.0656	-0.0000	0.0250	1.5047	-0.1927	-0.2104
115P	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	1.6833	-0.2148	-0.2174
116P	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	1.8616	-0.2368	-0.2243
117P	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.0394	-0.2586	-0.2313
118P	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.2172	-0.2805	-0.2383
119P	0.1178	0.0000	-0.0460	-0.1178	0.0000	0.0460	2.3946	-0.3023	-0.2453
120P	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.5718	-0.3239	-0.2524
121P	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.7496	-0.3451	-0.2595
122P	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.9259	-0.3673	-0.2666
123P	0.1005	0.0000	-0.0438	-0.1005	0.0000	0.0438	2.9620	-0.3721	-0.2681
124P	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	2.9801	-0.3744	-0.2688
125P	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	3.1567	-0.3972	-0.2760
126P	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	3.3346	-0.4181	-0.2834
127P	0.5461	0.0000	-0.1718	-0.5461	-0.0000	0.1718	3.5129	-0.4385	-0.2910
128P	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	3.6900	-0.4612	-0.2985
129P	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	3.8682	-0.4836	-0.3063
130P	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	4.0477	-0.5047	-0.3143
131P	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	4.2285	-0.5253	-0.3225
132P	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	4.4084	-0.5472	-0.3309
133P	0.1108	0.0000	-0.0638	-0.1108	0.0000	0.0638	4.4452	-0.5518	-0.3326
134P	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	4.4638	-0.5541	-0.3334
135P	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	4.6470	-0.5757	-0.3416
136P	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	4.8336	-0.5972	-0.3496
137P	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.0207	-0.6187	-0.3575
138P	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.2084	-0.6403	-0.3654
139P	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.3964	-0.6618	-0.3731
140P	1.3932	0.0000	-1.1030	-1.3932	-0.0000	1.1030	5.5843	-0.6834	-0.3806
141P	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.7718	-0.7049	-0.3881
142P	0.0602	0.0000	-0.0420	-0.0602	0.0000	0.0420	5.9591	-0.7264	-0.3955
143P	0.0984	0.0000	-0.0650	-0.0984	-0.0000	0.0650	5.9980	-0.7309	-0.3970
200P	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	6.2599	-0.5334	-2.7826
1011	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.0835	-0.0093	0.0100
1012	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.0874	-0.0093	0.0168
1021	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.1660	-0.0184	0.0204
1022	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.1739	-0.0185	0.0342
1031	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.2490	-0.0277	0.0304
1032	0.0329	0.0000	-0.0226	-0.0329	-0.0000	0.0226	0.2608	-0.0279	0.0510
1041	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.3312	-0.0370	0.0406
1042	0.0329	0.0000	-0.0226	-0.0329	0.0000	0.0226	0.3469	-0.0370	0.0682
1051	0.0775	0.0000	-0.0474	-0.0775	0.0000	0.0474	0.3677	-0.0414	0.0449
1052	0.0775	0.0000	-0.0474	-0.0775	0.0000	0.0474	0.3853	-0.0409	0.0756
1061	0.0446	0.0000	-0.0248	-0.0446	-0.0000	0.0248	0.3864	-0.0436	0.0442
1062	0.0446	0.0000	-0.0248	-0.0446	-0.0000	0.0248	0.4040	-0.0432	0.0748
1071	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	0.5646	-0.0651	0.0371
1072	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	0.5819	-0.0652	0.0677
1081	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	0.7418	-0.0868	0.0299
1082	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	0.7588	-0.0867	0.0606
1091	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	0.9193	-0.1086	0.0228
1092	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	0.9364	-0.1084	0.0534
1101	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	1.0959	-0.1301	0.0157
1102	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	1.1129	-0.1298	0.0464
1111	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	1.2729	-0.1518	0.0086
1112	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	1.2900	-0.1516	0.0393
1121	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	1.4491	-0.1732	0.0016
1122	0.0446	0.0000	-0.0248	-0.0446	0.0000	0.0248	1.4658	-0.1734	0.0322
1131	0.0945	0.0000	-0.0468	-0.0945	0.0000	0.0468	1.4862	-0.1778	0.0001
1132	0.0945	0.0000	-0.0468	-0.0945	0.0000	0.0468	1.5029	-0.1779	0.0307
1141	0.0500	0.0000	-0.0220	-0.0500	-0.0000	0.0220	1.5047	-0.1801	-0.0007
1142	0.0500	0.0000	-0.0220	-0.0500	-0.0000	0.0220	1.5214	-0.1802	0.0300
1151	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	1.6830	-0.2022	-0.0079
1152	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	1.7002	-0.2018	0.0227
1161	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	1.8612	-0.2239	-0.0152
1162	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	1.8784	-0.2234	0.0154
1171	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.0390	-0.2459	-0.0224
1172	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.0564	-0.2455	0.0081

1181	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.2168	-0.2676	-0.0296
1182	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.2338	-0.2674	0.0009
1191	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.3941	-0.2895	-0.0367
1192	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.4113	-0.2892	-0.0062
1201	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.5715	-0.3113	-0.0438
1202	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.5889	-0.3106	-0.0134
1211	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.7487	-0.3333	-0.0509
1212	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.7669	-0.3329	-0.0205
1221	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.9257	-0.3548	-0.0579
1222	0.0500	0.0000	-0.0220	-0.0500	0.0000	0.0220	2.9427	-0.3550	-0.0275
1231	0.1005	0.0000	-0.0438	-0.1005	0.0000	0.0438	2.9621	-0.3593	-0.0593
1232	0.1005	0.0000	-0.0438	-0.1005	0.0000	0.0438	2.9787	-0.3594	-0.0289
1241	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	2.9802	-0.3616	-0.0600
1242	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	2.9968	-0.3617	-0.0296
1251	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	3.1566	-0.3834	-0.0670
1252	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	3.1731	-0.3833	-0.0365
1261	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	3.3341	-0.4051	-0.0739
1262	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	3.3512	-0.4050	-0.0436
1271	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	3.5116	-0.4269	-0.0808
1272	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	3.5292	-0.4268	-0.0505
1281	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	3.6897	-0.4485	-0.0877
1282	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	3.7068	-0.4484	-0.0574
1291	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	3.8680	-0.4701	-0.0945
1292	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	3.8852	-0.4702	-0.0643
1301	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	4.0474	-0.4917	-0.1013
1302	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	4.0648	-0.4914	-0.0712
1311	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	4.2276	-0.5137	-0.1082
1312	0.0506	0.0000	-0.0218	-0.0506	-0.0000	0.0218	4.2461	-0.5135	-0.0781
1321	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	4.4085	-0.5349	-0.1150
1322	0.0506	0.0000	-0.0218	-0.0506	0.0000	0.0218	4.4257	-0.5352	-0.0849
1331	0.1108	0.0000	-0.0638	-0.1108	0.0000	0.0638	4.4456	-0.5394	-0.1163
1332	0.1108	0.0000	-0.0638	-0.1108	0.0000	0.0638	4.4626	-0.5395	-0.0863
1341	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	4.4642	-0.5417	-0.1170
1342	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	4.4811	-0.5416	-0.0869
1351	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	4.6474	-0.5629	-0.1240
1352	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	4.6642	-0.5635	-0.0939
1361	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	4.8340	-0.5846	-0.1310
1362	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	4.8507	-0.5849	-0.1009
1371	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.0213	-0.6062	-0.1382
1372	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.0381	-0.6064	-0.1081
1381	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.2090	-0.6277	-0.1454
1382	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.2258	-0.6280	-0.1154
1391	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.3971	-0.6493	-0.1528
1392	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.4138	-0.6495	-0.1227
1401	1.3932	0.0000	-1.1030	-1.3932	-0.0000	1.1030	5.5856	-0.6711	-0.1603
1402	1.3932	0.0000	-1.1030	-1.3932	-0.0000	1.1030	5.6023	-0.6708	-0.1302
1411	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.7726	-0.6923	-0.1676
1412	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	5.7893	-0.6926	-0.1376
1421	0.0602	0.0000	-0.0420	-0.0602	0.0000	0.0420	5.9599	-0.7140	-0.1750
1422	0.0602	0.0000	-0.0420	-0.0602	0.0000	0.0420	5.9766	-0.7141	-0.1450
1431	0.0682	0.0000	-0.0570	-0.0682	-0.0000	0.0570	5.9989	-0.7185	-0.1766
1432	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	6.0156	-0.7185	-0.1465
2001	0.0602	0.0000	-0.0420	-0.0602	0.0000	0.0420	3.4956	-2.1874	-3.0537
2002	0.0602	0.0000	-0.0420	-0.0602	-0.0000	0.0420	3.6668	0.7837	-2.9309

EIA Summary of Guy Tensions and Usages for Load Case "LC1: DL + WL":

Guy Label	Max. Tension (kips)	Allowable Tension (kips)	Factored Allowable (kips)	Usage %	Top Tension (kips)	Anchor Tension (kips)	Intercept Distance (ft)
Guy1a	0.04	10.82	10.82	0.36	0.04	0.01	65.72
Guy1b	0.04	10.82	10.82	0.36	0.04	0.01	65.72
Guy1c	8.56	10.82	10.82	79.15	8.56	8.54	0.17
Guy1d	8.79	10.82	10.82	81.30	8.79	8.77	0.17
Guy1e	7.95	10.82	10.82	73.49	7.95	7.92	0.25
Guy1f	6.76	10.82	10.82	62.48	6.76	6.73	0.29

*** Analysis Results for Load Case No. 2 "LC2: DL + WL" - Number of iterations in SAPS 33

Equilibrium Joint Positions and Rotations for Load Case "LC2: DL + WL":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
100P	0	0	0	-2.8795	-1.4360	0.3197	0	0	0
101P	-0.02873	0.05937	0.009323	-2.8617	-1.4643	0.3104	0.4213	0.05937	1.139
102P	-0.0572	0.1181	0.01892	-2.8575	-1.4563	0.3042	0.8528	0.1181	2.269
103P	-0.0859	0.1771	0.02825	-2.8505	-1.4606	0.2975	1.274	0.1771	3.408
104P	-0.1143	0.2356	0.03782	-2.8567	-1.4347	0.2943	1.706	0.2356	4.538
105P	-0.1267	0.2618	0.04187	-2.8625	-1.4347	0.2947	1.893	0.2618	5.042
106P	-0.133	0.2742	0.04145	-2.8639	-1.4403	0.2949	1.887	0.2742	5.291
107P	-0.1933	0.3929	0.03747	-2.8673	-1.4349	0.2946	1.827	0.3929	7.667
108P	-0.2532	0.511	0.03351	-2.8593	-1.4306	0.2945	1.767	0.511	10.03
109P	-0.3131	0.6292	0.02956	-2.8515	-1.4329	0.2948	1.707	0.6292	12.41
110P	-0.3731	0.7467	0.02562	-2.8472	-1.4323	0.2949	1.647	0.7467	14.78
111P	-0.433	0.8644	0.02169	-2.8416	-1.4321	0.2950	1.587	0.8644	17.15
112P	-0.4931	0.9814	0.01779	-2.8306	-1.4359	0.2955	1.527	0.9814	19.52
113P	-0.5057	1.006	0.01697	-2.8278	-1.4330	0.2954	1.514	1.006	20.02
114P	-0.512	1.018	0.01655	-2.8265	-1.4307	0.2953	1.508	1.018	20.27
115P	-0.5726	1.137	0.0125	-2.8200	-1.4313	0.2955	1.447	1.137	22.67
116P	-0.6336	1.255	0.00847	-2.8128	-1.4325	0.2957	1.386	1.255	25.08
117P	-0.6943	1.372	0.004445	-2.8071	-1.4324	0.2959	1.326	1.372	27.48
118P	-0.7552	1.49	0.0004454	-2.8043	-1.4294	0.2958	1.265	1.49	29.89
119P	-0.8158	1.608	-0.003564	-2.7983	-1.4349	0.2962	1.204	1.608	32.3
120P	-0.8769	1.725	-0.007544	-2.8008	-1.4260	0.2957	1.143	1.725	34.7
121P	-0.937	1.842	-0.01155	-2.7968	-1.4256	0.2957	1.083	1.842	37.11
122P	-0.9983	1.958	-0.01547	-2.7326	-1.4507	0.2986	1.022	1.958	39.51
123P	-1.011	1.982	-0.01627	-2.7221	-1.4475	0.2987	1.009	1.982	40.01
124P	-1.017	1.994	-0.01667	-2.7257	-1.4445	0.2985	1.003	1.994	40.26
125P	-1.078	2.11	-0.02061	-2.7943	-1.4344	0.2963	0.9416	2.11	42.67
126P	-1.139	2.228	-0.0246	-2.8481	-1.3994	0.2931	0.8811	2.228	45.08
127P	-1.198	2.347	-0.02867	-2.8014	-1.4327	0.2959	0.8218	2.347	47.48
128P	-1.261	2.463	-0.03257	-2.7582	-1.4592	0.2983	0.7595	2.463	49.89
129P	-1.321	2.58	-0.03657	-2.8135	-1.4212	0.2951	0.6987	2.58	52.29
130P	-1.382	2.699	-0.04057	-2.8651	-1.4159	0.2935	0.6383	2.699	54.7
131P	-1.442	2.819	-0.04473	-2.8735	-1.4298	0.2940	0.5782	2.819	57.11
132P	-1.503	2.939	-0.04876	-2.8077	-1.4514	0.2968	0.5167	2.939	59.51
133P	-1.516	2.963	-0.04959	-2.8138	-1.4462	0.2964	0.504	2.963	60.01
134P	-1.522	2.975	-0.05	-2.8322	-1.4434	0.2958	0.4976	2.975	60.26
135P	-1.583	3.098	-0.0541	-2.9876	-1.4288	0.2911	0.4367	3.098	62.67
136P	-1.644	3.224	-0.05822	-3.0294	-1.4318	0.2902	0.3759	3.224	65.07
137P	-1.705	3.352	-0.06239	-3.0378	-1.4326	0.2900	0.315	3.352	67.48
138P	-1.766	3.479	-0.06657	-3.0421	-1.4318	0.2899	0.2542	3.479	69.88
139P	-1.827	3.607	-0.07077	-3.0627	-1.4324	0.2894	0.1933	3.607	72.29
140P	-1.888	3.735	-0.075	-3.0425	-1.4324	0.2899	0.1324	3.735	74.7
141P	-1.948	3.862	-0.07911	-3.0194	-1.4320	0.2905	0.07155	3.862	77.1
142P	-2.009	3.989	-0.08324	-3.0465	-1.4319	0.2898	0.01069	3.989	79.51
143P	-2.022	4.016	-0.0841	-3.0482	-1.4319	0.2897	-0.001937	4.016	80.01
200P	0.06565	2.941	-2.823	0.0000	0.0000	0.0000	-3.974	2.941	59.9
1011	-0.02658	0.05566	0.01196	-2.8841	-1.4093	0.3299	-0.2516	-0.334	1.142
1012	-0.03045	0.05467	-0.02709	-2.8788	-1.4339	0.3189	-0.2554	0.4444	1.103
1021	-0.05283	0.1106	0.0242	-2.8715	-1.4158	0.3342	-0.5078	-0.6775	2.274
1022	-0.06068	0.1086	-0.05464	-2.8672	-1.4333	0.3212	-0.5157	0.8967	2.195
1031	-0.07933	0.1659	0.03607	-2.8667	-1.4117	0.3401	-0.7593	-1.012	3.416
1032	-0.0911	0.1629	-0.08157	-2.8563	-1.4301	0.3224	-0.7711	1.341	3.298
1041	-0.1055	0.2205	0.04821	-2.8507	-1.4263	0.3427	-1.016	-1.356	4.548
1042	-0.1213	0.2166	-0.109	-2.8685	-1.4378	0.3225	-1.031	1.793	4.391
1051	-0.1174	0.2448	0.05341	-2.8616	-1.4258	0.3419	-1.127	-1.505	5.053
1052	-0.1348	0.2407	-0.121	-2.8667	-1.4367	0.3225	-1.145	1.99	4.879
1061	-0.1237	0.2572	0.05299	-2.8701	-1.4222	0.3415	-1.134	-1.492	5.303
1062	-0.1412	0.2531	-0.1214	-2.8619	-1.4338	0.3224	-1.151	2.002	5.129
1071	-0.1836	0.3759	0.04893	-2.8622	-1.4279	0.3420	-1.194	-1.373	7.679
1072	-0.2013	0.3716	-0.1253	-2.8629	-1.4312	0.3223	-1.211	2.121	7.505
1081	-0.2434	0.4937	0.04489	-2.8579	-1.4303	0.3422	-1.253	-1.256	10.04
1082	-0.2611	0.4895	-0.1292	-2.8577	-1.4302	0.3223	-1.271	2.239	9.871
1091	-0.3035	0.6119	0.04082	-2.8533	-1.4325	0.3424	-1.313	-1.137	12.42
1092	-0.3212	0.6077	-0.133	-2.8533	-1.4308	0.3225	-1.331	2.357	12.25
1101	-0.3634	0.7293	0.03678	-2.8482	-1.4314	0.3425	-1.373	-1.02	14.79
1102	-0.381	0.7253	-0.1368	-2.8480	-1.4329	0.3227	-1.391	2.475	14.61
1111	-0.4234	0.8472	0.03272	-2.8438	-1.4242	0.3422	-1.433	-0.9022	17.16
1112	-0.4412	0.8429	-0.1406	-2.8381	-1.4334	0.3230	-1.451	2.592	16.99
1121	-0.483	0.9641	0.0287	-2.8305	-1.4276	0.3427	-1.493	-0.7853	19.53
1122	-0.5011	0.9598	-0.1444	-2.8322	-1.4291	0.3229	-1.511	2.709	19.36
1131	-0.4956	0.9887	0.02785	-2.8283	-1.4311	0.3429	-1.506	-0.7607	20.03
1132	-0.5137	0.9844	-0.1452	-2.8306	-1.4281	0.3229	-1.524	2.734	19.85
1141	-0.5019	1.001	0.02741	-2.8280	-1.4333	0.3430	-1.512	-0.7484	20.28

1142	-0.52	0.9967	-0.1456	-2.8303	-1.4278	0.3229	-1.53	2.746	20.1
1151	-0.5631	1.119	0.02317	-2.8225	-1.4389	0.3434	-1.573	-0.63	22.68
1152	-0.5807	1.115	-0.1494	-2.8286	-1.4276	0.3229	-1.591	2.865	22.51
1161	-0.6241	1.237	0.01897	-2.8181	-1.4303	0.3431	-1.634	-0.5119	25.09
1162	-0.6414	1.234	-0.1533	-2.8140	-1.4295	0.3234	-1.651	2.983	24.92
1171	-0.6849	1.356	0.01482	-2.8099	-1.4253	0.3431	-1.695	-0.3939	27.49
1172	-0.7022	1.351	-0.1572	-2.8089	-1.4307	0.3236	-1.712	3.101	27.32
1181	-0.7455	1.473	0.01071	-2.8017	-1.4272	0.3434	-1.755	-0.2764	29.9
1182	-0.763	1.469	-0.1611	-2.8046	-1.4285	0.3235	-1.773	3.218	29.73
1191	-0.8064	1.59	0.00665	-2.7979	-1.4380	0.3440	-1.816	-0.159	32.31
1192	-0.8237	1.586	-0.165	-2.7977	-1.4287	0.3237	-1.834	3.336	32.14
1201	-0.8677	1.708	0.002612	-2.8122	-1.4408	0.3437	-1.878	-0.0417	34.71
1202	-0.8846	1.704	-0.1689	-2.7970	-1.4371	0.3241	-1.895	3.453	34.54
1211	-0.9286	1.826	-0.001391	-2.8096	-1.4197	0.3427	-1.939	0.07641	37.12
1212	-0.9457	1.821	-0.1729	-2.7975	-1.4353	0.3240	-1.956	3.57	36.95
1221	-0.9888	1.942	-0.005235	-2.7215	-1.4222	0.3450	-1.999	0.1926	39.52
1222	-1.006	1.938	-0.1769	-2.7523	-1.4060	0.3237	-2.016	3.687	39.35
1231	-1.001	1.966	-0.006	-2.7128	-1.4268	0.3455	-2.011	0.2162	40.02
1232	-1.019	1.961	-0.1778	-2.7456	-1.4025	0.3237	-2.029	3.711	39.85
1241	-1.008	1.977	-0.006384	-2.7225	-1.4267	0.3452	-2.018	0.228	40.27
1242	-1.025	1.973	-0.1782	-2.7533	-1.4048	0.3236	-2.035	3.723	40.1
1251	-1.068	2.094	-0.01015	-2.8083	-1.4312	0.3433	-2.078	0.3443	42.68
1252	-1.085	2.09	-0.1823	-2.8103	-1.4294	0.3234	-2.095	3.84	42.51
1261	-1.13	2.212	-0.01395	-2.8190	-1.4408	0.3435	-2.14	0.4623	45.09
1262	-1.146	2.208	-0.1865	-2.8005	-1.4325	0.3238	-2.156	3.957	44.91
1271	-1.191	2.33	-0.01763	-2.8105	-1.4359	0.3434	-2.201	0.5803	47.49
1272	-1.207	2.325	-0.1908	-2.8083	-1.4244	0.3232	-2.217	4.075	47.32
1281	-1.252	2.447	-0.02123	-2.8200	-1.4317	0.3430	-2.262	0.6981	49.9
1282	-1.267	2.443	-0.1952	-2.8260	-1.4176	0.3224	-2.277	4.193	49.72
1291	-1.313	2.566	-0.02474	-2.8380	-1.4437	0.3431	-2.323	0.8167	52.31
1292	-1.327	2.562	-0.1998	-2.8376	-1.4180	0.3221	-2.337	4.311	52.13
1301	-1.374	2.686	-0.0282	-2.8782	-1.4512	0.3424	-2.384	0.9363	54.71
1302	-1.388	2.681	-0.2045	-2.8589	-1.4296	0.3222	-2.398	4.431	54.54
1311	-1.436	2.807	-0.03162	-2.9005	-1.4330	0.3409	-2.446	1.058	57.12
1312	-1.449	2.802	-0.2094	-2.8882	-1.4272	0.3213	-2.459	4.551	56.94
1321	-1.497	2.927	-0.03484	-2.8147	-1.4445	0.3436	-2.507	1.178	59.53
1322	-1.509	2.922	-0.2144	-2.8429	-1.3908	0.3206	-2.519	4.672	59.35
1331	-1.51	2.952	-0.03547	-2.8210	-1.4470	0.3436	-2.52	1.202	60.02
1332	-1.521	2.947	-0.2154	-2.8448	-1.3920	0.3206	-2.531	4.696	59.84
1341	-1.516	2.964	-0.03581	-2.8433	-1.4432	0.3428	-2.526	1.215	60.27
1342	-1.527	2.959	-0.2159	-2.8615	-1.3989	0.3205	-2.537	4.709	60.09
1351	-1.577	3.087	-0.03925	-3.0005	-1.4259	0.3380	-2.587	1.338	62.68
1352	-1.588	3.083	-0.2208	-2.9960	-1.4357	0.3190	-2.598	4.832	62.5
1361	-1.638	3.214	-0.04282	-3.0242	-1.4318	0.3377	-2.648	1.464	65.09
1362	-1.649	3.209	-0.2255	-3.0259	-1.4285	0.3179	-2.659	4.958	64.9
1371	-1.699	3.341	-0.04655	-3.0373	-1.4299	0.3373	-2.709	1.592	67.49
1372	-1.709	3.336	-0.2301	-3.0358	-1.4295	0.3177	-2.719	5.085	67.31
1381	-1.76	3.468	-0.05043	-3.0460	-1.4276	0.3369	-2.77	1.719	69.9
1382	-1.77	3.464	-0.2346	-3.0460	-1.4333	0.3176	-2.78	5.213	69.72
1391	-1.82	3.596	-0.05444	-3.0540	-1.4350	0.3371	-2.83	1.847	72.31
1392	-1.831	3.591	-0.239	-3.0531	-1.4256	0.3170	-2.841	5.341	72.12
1401	-1.882	3.724	-0.05858	-3.0434	-1.4292	0.3371	-2.892	1.975	74.71
1402	-1.892	3.719	-0.2432	-3.0424	-1.4308	0.3176	-2.902	5.469	74.53
1411	-1.942	3.851	-0.06269	-3.0293	-1.4239	0.3372	-2.952	2.102	77.12
1412	-1.953	3.846	-0.2474	-3.0289	-1.4357	0.3182	-2.963	5.596	76.93
1421	-2.003	3.978	-0.06681	-3.0358	-1.4349	0.3376	-3.013	2.229	79.52
1422	-2.014	3.974	-0.2515	-3.0348	-1.4255	0.3175	-3.024	5.723	79.34
1431	-2.016	4.005	-0.06767	-3.0370	-1.4349	0.3375	-3.026	2.255	80.02
1432	-2.026	4	-0.2524	-3.0358	-1.4255	0.3175	-3.036	5.749	79.84
2001	-2.247	1.706	-2.767	0.0000	0.0000	0.0000	-0.2273	5.205	59.95
2002	-2.317	4.358	-2.641	0.0000	0.0000	0.0000	-0.2972	0.8593	60.08
$Gnd1	0	0	0	0.0000	0.0000	0.0000	80	0	-3
$Gnd3	0	0	0	0.0000	0.0000	0.0000	-28	48.6	-3
$Gnd5	0	0	0	0.0000	0.0000	0.0000	-38.3	-66.3	-3

Joint Support Reactions for Load Case "LC2: DL + WL":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Horz. Shear Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
100P	-0.56	0.0	-0.46	0.0	0.0	23.34	0.0	0.0	23.36	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd1	6.65	0.0	-0.38	0.0	0.0	-5.18	0.0	0.0	8.43	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd3	-0.05	0.0	0.00	0.0	0.0	-0.09	0.0	0.0	0.10	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd5	-6.03	0.0	-11.44	0.0	0.0	-10.44	0.0	0.0	16.62	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "LC2: DL + WL":

Joint Label	X External Load	Y External Load	Z External Load	X Member Force	Y Member Force	Z Member Force	X Disp.	Y Disp.	Z Disp.

	(kips)	(kips)	(kips)	(kips)	(kips)	(kips)	(ft)	(ft)	(ft)
100P	0.0000	0.0329	-0.0226	0.5573	0.4305	-23.3217	0.0000	0.0000	0.0000
101P	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.0287	0.0594	0.0093
102P	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.0572	0.1181	0.0189
103P	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.0859	0.1771	0.0283
104P	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.1143	0.2356	0.0378
105P	0.0000	0.0775	-0.0474	0.0000	-0.0775	0.0474	-0.1267	0.2618	0.0419
106P	0.0000	0.0446	-0.0248	-0.0000	-0.0446	0.0248	-0.1330	0.2742	0.0415
107P	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.1933	0.3929	0.0375
108P	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.2532	0.5110	0.0335
109P	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.3131	0.6292	0.0296
110P	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.3731	0.7467	0.0256
111P	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.4330	0.8644	0.0217
112P	0.0000	0.0573	-0.0348	0.0000	-0.0573	0.0348	-0.4931	0.9814	0.0178
113P	0.0000	0.0945	-0.0468	0.0000	-0.0945	0.0468	-0.5057	1.0060	0.0170
114P	0.0000	0.0656	-0.0250	-0.0000	-0.0656	0.0250	-0.5120	1.0183	0.0165
115P	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.5726	1.1366	0.0125
116P	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.6336	1.2547	0.0085
117P	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.6943	1.3725	0.0044
118P	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.7552	1.4901	0.0004
119P	0.0000	0.1178	-0.0460	0.0000	-0.1178	0.0460	-0.8158	1.6076	-0.0036
120P	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.8769	1.7248	-0.0075
121P	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.9370	1.8423	-0.0115
122P	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.9983	1.9585	-0.0155
123P	0.0000	0.1005	-0.0438	0.0000	-0.1005	0.0438	-1.0111	1.9822	-0.0163
124P	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.0175	1.9940	-0.0167
125P	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.0784	2.1097	-0.0206
126P	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.1389	2.2281	-0.0246
127P	0.0000	0.5461	-0.1718	0.0000	-0.5461	0.1718	-1.1982	2.3471	-0.0287
128P	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.2605	2.4630	-0.0326
129P	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.3213	2.5797	-0.0366
130P	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.3817	2.6988	-0.0406
131P	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.4418	2.8193	-0.0447
132P	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.5033	2.9387	-0.0488
133P	0.0000	0.1091	-0.0638	0.0000	-0.1091	0.0638	-1.5160	2.9631	-0.0496
134P	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.5224	2.9753	-0.0500
135P	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.5833	3.0979	-0.0541
136P	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.6441	3.2243	-0.0582
137P	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.7050	3.3515	-0.0624
138P	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.7658	3.4790	-0.0666
139P	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.8267	3.6069	-0.0708
140P	0.0000	1.3915	-1.1030	-0.0000	-1.3915	1.1030	-1.8876	3.7353	-0.0750
141P	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.9485	3.8620	-0.0791
142P	0.0000	0.0585	-0.0420	0.0000	-0.0585	0.0420	-2.0093	3.9892	-0.0832
143P	0.0000	0.0967	-0.0650	-0.0000	-0.0967	0.0650	-2.0219	4.0158	-0.0841
200P	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	0.0656	2.9407	-2.8227
1011	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.0266	0.0557	0.0120
1012	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.0304	0.0547	-0.0271
1021	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.0528	0.1106	0.0242
1022	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.0607	0.1086	-0.0546
1031	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.0793	0.1659	0.0361
1032	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.0911	0.1629	-0.0816
1041	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.1055	0.2205	0.0482
1042	0.0000	0.0329	-0.0226	0.0000	-0.0329	0.0226	-0.1213	0.2166	-0.1090
1051	0.0000	0.0775	-0.0474	0.0000	-0.0775	0.0474	-0.1174	0.2448	0.0534
1052	0.0000	0.0775	-0.0474	0.0000	-0.0775	0.0474	-0.1348	0.2407	-0.1210
1061	0.0000	0.0446	-0.0248	-0.0000	-0.0446	0.0248	-0.1237	0.2572	0.0530
1062	0.0000	0.0446	-0.0248	-0.0000	-0.0446	0.0248	-0.1412	0.2531	-0.1214
1071	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.1836	0.3759	0.0489
1072	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.2013	0.3716	-0.1253
1081	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.2434	0.4937	0.0449
1082	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.2611	0.4895	-0.1292
1091	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.3035	0.6119	0.0408
1092	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.3212	0.6077	-0.1330
1101	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.3634	0.7293	0.0368
1102	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.3810	0.7253	-0.1368
1111	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.4234	0.8472	0.0327
1112	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.4412	0.8429	-0.1406
1121	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.4830	0.9641	0.0287
1122	0.0000	0.0446	-0.0248	0.0000	-0.0446	0.0248	-0.5011	0.9598	-0.1444
1131	0.0000	0.0945	-0.0468	0.0000	-0.0945	0.0468	-0.4956	0.9887	0.0279
1132	0.0000	0.0945	-0.0468	0.0000	-0.0945	0.0468	-0.5137	0.9844	-0.1452
1141	0.0000	0.0500	-0.0220	-0.0000	-0.0500	0.0220	-0.5019	1.0010	0.0274
1142	0.0000	0.0500	-0.0220	-0.0000	-0.0500	0.0220	-0.5200	0.9967	-0.1456
1151	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.5631	1.1194	0.0232
1152	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.5807	1.1153	-0.1494
1161	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.6241	1.2375	0.0190
1162	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.6414	1.2336	-0.1533
1171	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.6849	1.3555	0.0148
1172	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.7022	1.3513	-0.1572

1181	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.7455	1.4730	0.0107
1182	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.7630	1.4691	-0.1611
1191	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.8064	1.5903	0.0067
1192	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.8237	1.5864	-0.1650
1201	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.8677	1.7077	0.0026
1202	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.8846	1.7037	-0.1689
1211	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.9286	1.8258	-0.0014
1212	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.9457	1.8208	-0.1729
1221	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-0.9888	1.9420	-0.0052
1222	0.0000	0.0500	-0.0220	0.0000	-0.0500	0.0220	-1.0062	1.9375	-0.1769
1231	0.0000	0.1005	-0.0438	0.0000	-0.1005	0.0438	-1.0014	1.9655	-0.0060
1232	0.0000	0.1005	-0.0438	0.0000	-0.1005	0.0438	-1.0186	1.9614	-0.1778
1241	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.0077	1.9773	-0.0064
1242	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.0248	1.9733	-0.1782
1251	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.0684	2.0936	-0.0101
1252	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.0851	2.0903	-0.1823
1261	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.1295	2.2117	-0.0139
1262	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.1460	2.2079	-0.1865
1271	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.1908	2.3296	-0.0176
1272	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.2067	2.3253	-0.1908
1281	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.2517	2.4475	-0.0212
1282	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.2671	2.4434	-0.1952
1291	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.3128	2.5661	-0.0247
1292	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.3273	2.5620	-0.1998
1301	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.3745	2.6857	-0.0282
1302	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.3878	2.6814	-0.2045
1311	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.4360	2.8072	-0.0316
1312	0.0000	0.0506	-0.0218	-0.0000	-0.0506	0.0218	-1.4487	2.8017	-0.2094
1321	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.4969	2.9274	-0.0348
1322	0.0000	0.0506	-0.0218	0.0000	-0.0506	0.0218	-1.5087	2.9224	-0.2144
1331	0.0000	0.1091	-0.0638	0.0000	-0.1091	0.0638	-1.5097	2.9518	-0.0355
1332	0.0000	0.1091	-0.0638	0.0000	-0.1091	0.0638	-1.5209	2.9470	-0.2154
1341	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.5161	2.9641	-0.0358
1342	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.5270	2.9594	-0.2159
1351	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.5769	3.0875	-0.0392
1352	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.5877	3.0827	-0.2208
1361	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.6378	3.2138	-0.0428
1362	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.6485	3.2091	-0.2255
1371	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.6987	3.3409	-0.0466
1372	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.7093	3.3361	-0.2301
1381	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.7596	3.4684	-0.0504
1382	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.7702	3.4636	-0.2346
1391	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.8204	3.5963	-0.0544
1392	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.8311	3.5914	-0.2390
1401	0.0000	1.3915	-1.1030	-0.0000	-1.3915	1.1030	-1.8816	3.7242	-0.0586
1402	0.0000	1.3915	-1.1030	-0.0000	-1.3915	1.1030	-1.8917	3.7193	-0.2432
1411	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.9421	3.8514	-0.0627
1412	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-1.9528	3.8465	-0.2474
1421	0.0000	0.0585	-0.0420	0.0000	-0.0585	0.0420	-2.0030	3.9784	-0.0668
1422	0.0000	0.0585	-0.0420	0.0000	-0.0585	0.0420	-2.0136	3.9735	-0.2515
1431	0.0000	0.0665	-0.0570	-0.0000	-0.0665	0.0570	-2.0157	4.0048	-0.0677
1432	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-2.0262	3.9999	-0.2524
2001	0.0000	0.0585	-0.0420	0.0000	-0.0585	0.0420	-2.2473	1.7062	-2.7672
2002	0.0000	0.0585	-0.0420	-0.0000	-0.0585	0.0420	-2.3172	4.3581	-2.6411

EIA Summary of Guy Tensions and Usages for Load Case "LC2: DL + WL":

Guy Label	Max. Tension (kips)	Allowable Tension (kips)	Factored Allowable (kips)	Usage %	Top Tension (kips)	Anchor Tension (kips)	Intercept Distance (ft)
Guy1a	4.29	10.82	10.82	39.69	4.29	4.27	0.48
Guy1b	4.19	10.82	10.82	38.77	4.19	4.17	0.50
Guy1c	0.08	10.82	10.82	0.73	0.08	0.05	22.04
Guy1d	0.07	10.82	10.82	0.68	0.07	0.05	23.85
Guy1e	7.99	10.82	10.82	73.90	7.99	7.97	0.25
Guy1f	8.68	10.82	10.82	80.26	8.68	8.66	0.23

*** Analysis Results for Load Case No. 3 "LC3: DL + WL" - Number of iterations in SAPS 46

Equilibrium Joint Positions and Rotations for Load Case "LC3: DL + WL":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
100P	0	0	0	3.1736	-1.6144	-0.2248	0	0	0
101P	-0.03219	-0.06453	0.01031	3.1547	-1.6446	-0.2163	0.4178	-0.06453	1.14
102P	-0.06392	-0.1285	0.02086	3.1588	-1.6253	-0.2134	0.8461	-0.1285	2.271
103P	-0.09573	-0.193	0.03103	3.1565	-1.6214	-0.2089	1.264	-0.193	3.411
104P	-0.1271	-0.2569	0.04145	3.1607	-1.6001	-0.2060	1.693	-0.2569	4.541
105P	-0.1409	-0.2854	0.04589	3.1646	-1.6048	-0.2063	1.879	-0.2854	5.046
106P	-0.148	-0.2992	0.04538	3.1657	-1.6106	-0.2066	1.872	-0.2992	5.295
107P	-0.215	-0.4304	0.04053	3.1670	-1.5958	-0.2057	1.805	-0.4304	7.671
108P	-0.2813	-0.5611	0.0357	3.1685	-1.5903	-0.2053	1.739	-0.5611	10.04
109P	-0.3477	-0.6924	0.03083	3.1711	-1.5857	-0.2050	1.672	-0.6924	12.41
110P	-0.4137	-0.8232	0.02597	3.1712	-1.5813	-0.2048	1.606	-0.8232	14.78
111P	-0.4797	-0.9546	0.02109	3.1673	-1.5783	-0.2047	1.54	-0.9546	17.15
112P	-0.5453	-1.085	0.01625	3.1654	-1.5657	-0.2041	1.475	-1.085	19.52
113P	-0.559	-1.113	0.01523	3.1675	-1.5615	-0.2038	1.461	-1.113	20.02
114P	-0.5658	-1.126	0.01471	3.1693	-1.5597	-0.2036	1.454	-1.126	20.26
115P	-0.6317	-1.26	0.00965	3.1735	-1.5540	-0.2032	1.388	-1.26	22.67
116P	-0.6975	-1.393	0.004626	3.1699	-1.5501	-0.2030	1.323	-1.393	25.07
117P	-0.763	-1.526	-0.0003585	3.1672	-1.5441	-0.2028	1.257	-1.526	27.48
118P	-0.8283	-1.658	-0.005296	3.1697	-1.5397	-0.2025	1.192	-1.658	29.88
119P	-0.8933	-1.792	-0.0102	3.1743	-1.5287	-0.2017	1.127	-1.792	32.29
120P	-0.958	-1.925	-0.01505	3.1809	-1.5350	-0.2019	1.062	-1.925	34.69
121P	-1.023	-2.058	-0.01987	3.1692	-1.5449	-0.2027	0.9966	-2.058	37.1
122P	-1.088	-2.191	-0.02454	3.1417	-1.4687	-0.1993	0.9323	-2.191	39.51
123P	-1.1	-2.218	-0.02548	3.1415	-1.4570	-0.1987	0.9195	-2.218	40
124P	-1.107	-2.232	-0.02595	3.1432	-1.4649	-0.1990	0.9131	-2.232	40.25
125P	-1.171	-2.364	-0.03052	3.1752	-1.5353	-0.2021	0.8492	-2.364	42.66
126P	-1.236	-2.498	-0.03512	3.2068	-1.5583	-0.2025	0.7837	-2.498	45.06
127P	-1.302	-2.632	-0.03964	3.1738	-1.5408	-0.2024	0.7177	-2.632	47.47
128P	-1.367	-2.765	-0.0439	3.1456	-1.5365	-0.2029	0.653	-2.765	49.88
129P	-1.433	-2.897	-0.04809	3.1746	-1.5709	-0.2040	0.587	-2.897	52.28
130P	-1.5	-3.031	-0.05223	3.1967	-1.5976	-0.2049	0.52	-3.031	54.69
131P	-1.568	-3.165	-0.05629	3.1804	-1.6266	-0.2069	0.4516	-3.165	57.09
132P	-1.636	-3.298	-0.06011	3.1556	-1.5480	-0.2033	0.3837	-3.298	59.5
133P	-1.65	-3.325	-0.06087	3.1600	-1.5509	-0.2034	0.3702	-3.325	60
134P	-1.657	-3.339	-0.06128	3.1638	-1.5736	-0.2045	0.3633	-3.339	60.25
135P	-1.728	-3.472	-0.06535	3.1844	-1.7337	-0.2128	0.2923	-3.472	62.65
136P	-1.802	-3.606	-0.0696	3.1833	-1.7557	-0.2140	0.2184	-3.606	65.06
137P	-1.876	-3.739	-0.07401	3.1842	-1.7688	-0.2147	0.1438	-3.739	67.47
138P	-1.951	-3.873	-0.07858	3.1846	-1.7790	-0.2153	0.06869	-3.873	69.87
139P	-2.027	-4.007	-0.08328	3.1854	-1.7826	-0.2155	-0.00674	-4.007	72.28
140P	-2.102	-4.14	-0.08812	3.1846	-1.7755	-0.2151	-0.08208	-4.14	74.68
141P	-2.177	-4.274	-0.09298	3.1835	-1.7641	-0.2145	-0.157	-4.274	77.09
142P	-2.252	-4.407	-0.09784	3.1846	-1.7664	-0.2146	-0.2316	-4.407	79.49
143P	-2.267	-4.435	-0.09885	3.1847	-1.7681	-0.2147	-0.2472	-4.435	79.99
200P	-0.3705	-3.313	-2.677	0.0000	0.0000	0.0000	-4.41	-3.313	60.04
1011	-0.03314	-0.06076	-0.03016	3.1763	-1.6083	-0.2202	-0.2581	-0.4505	1.1
1012	-0.03071	-0.06196	0.01297	3.1894	-1.5764	-0.2369	-0.2557	0.3278	1.143
1021	-0.06584	-0.1209	-0.06088	3.1735	-1.5993	-0.2158	-0.5208	-0.909	2.189
1022	-0.06091	-0.1233	0.02634	3.1859	-1.5762	-0.2427	-0.5159	0.6647	2.276
1031	-0.09858	-0.1816	-0.09093	3.1696	-1.5902	-0.2116	-0.7786	-1.359	3.289
1032	-0.09124	-0.1853	0.0394	3.1892	-1.5652	-0.2501	-0.7712	0.9925	3.419
1041	-0.131	-0.2418	-0.1216	3.1762	-1.5962	-0.2112	-1.041	-1.818	4.378
1042	-0.1212	-0.2466	0.05281	3.1755	-1.5806	-0.2535	-1.031	1.33	4.553
1051	-0.1455	-0.2687	-0.1349	3.1724	-1.5966	-0.2117	-1.155	-2.018	4.865
1052	-0.1347	-0.2738	0.05854	3.1744	-1.5887	-0.2535	-1.145	1.476	5.059
1061	-0.1525	-0.2825	-0.1354	3.1683	-1.5948	-0.2117	-1.162	-2.032	5.115
1062	-0.1417	-0.2876	0.05805	3.1768	-1.5893	-0.2534	-1.152	1.462	5.308
1071	-0.2192	-0.4137	-0.1401	3.1706	-1.5974	-0.2118	-1.229	-2.163	7.49
1072	-0.2085	-0.4191	0.05333	3.1735	-1.5961	-0.2539	-1.219	1.33	7.683
1081	-0.2857	-0.5446	-0.1448	3.1691	-1.5911	-0.2115	-1.296	-2.294	9.855
1082	-0.275	-0.55	0.04865	3.1707	-1.5917	-0.2537	-1.285	1.199	10.05
1091	-0.3521	-0.6758	-0.1495	3.1699	-1.5866	-0.2112	-1.362	-2.425	12.23
1092	-0.3415	-0.6812	0.04397	3.1720	-1.5834	-0.2532	-1.352	1.068	12.42
1101	-0.4182	-0.8067	-0.1541	3.1712	-1.5808	-0.2109	-1.428	-2.556	14.6
1102	-0.4074	-0.8121	0.03931	3.1712	-1.5791	-0.2530	-1.417	0.9373	14.79
1111	-0.484	-0.938	-0.1588	3.1696	-1.5705	-0.2103	-1.494	-2.687	16.97
1112	-0.4735	-0.9433	0.03466	3.1699	-1.5732	-0.2527	-1.484	0.806	17.16
1121	-0.5493	-1.069	-0.1634	3.1691	-1.5660	-0.2101	-1.559	-2.818	19.34
1122	-0.5389	-1.074	0.03004	3.1722	-1.5607	-0.2520	-1.549	0.6752	19.53
1131	-0.5631	-1.096	-0.1644	3.1679	-1.5648	-0.2101	-1.573	-2.846	19.84
1132	-0.5526	-1.102	0.02906	3.1706	-1.5596	-0.2519	-1.563	0.6476	20.03
1141	-0.57	-1.11	-0.1649	3.1674	-1.5644	-0.2101	-1.58	-2.86	20.09

1142	-0.5595	-1.116	0.02857	3.1694	-1.5598	-0.2520	-1.569	0.6338	20.28
1151	-0.6362	-1.243	-0.1696	3.1705	-1.5631	-0.2099	-1.646	-2.992	22.49
1152	-0.6256	-1.248	0.02384	3.1715	-1.5539	-0.2516	-1.636	0.5009	22.68
1161	-0.7022	-1.376	-0.1744	3.1683	-1.5482	-0.2091	-1.712	-3.126	24.9
1162	-0.6913	-1.382	0.0191	3.1709	-1.5471	-0.2512	-1.701	0.3678	25.09
1171	-0.7675	-1.509	-0.1791	3.1700	-1.5406	-0.2087	-1.778	-3.258	27.3
1172	-0.7569	-1.514	0.01436	3.1685	-1.5396	-0.2509	-1.767	0.235	27.49
1181	-0.8328	-1.642	-0.1839	3.1709	-1.5371	-0.2084	-1.843	-3.391	29.71
1182	-0.8219	-1.647	0.009622	3.1701	-1.5314	-0.2504	-1.832	0.102	29.9
1191	-0.8977	-1.775	-0.1886	3.1704	-1.5346	-0.2083	-1.908	-3.524	32.11
1192	-0.8869	-1.78	0.004851	3.1768	-1.5311	-0.2502	-1.897	-0.03098	32.3
1201	-0.9628	-1.908	-0.1935	3.1686	-1.5312	-0.2082	-1.973	-3.657	34.52
1202	-0.9521	-1.914	6.156e-005	3.1711	-1.5465	-0.2512	-1.962	-0.1643	34.71
1211	-1.027	-2.041	-0.1982	3.1716	-1.5251	-0.2077	-2.037	-3.79	36.92
1212	-1.018	-2.046	-0.004761	3.1653	-1.5349	-0.2507	-2.028	-0.297	37.12
1221	-1.092	-2.174	-0.2031	3.1701	-1.4899	-0.2058	-2.102	-3.924	39.33
1222	-1.081	-2.179	-0.009549	3.1819	-1.4562	-0.2459	-2.091	-0.4301	39.52
1231	-1.105	-2.202	-0.2041	3.1672	-1.4846	-0.2056	-2.115	-3.951	39.83
1232	-1.094	-2.207	-0.01054	3.1802	-1.4501	-0.2456	-2.104	-0.4578	40.02
1241	-1.111	-2.216	-0.2046	3.1679	-1.4906	-0.2059	-2.121	-3.965	40.08
1242	-1.101	-2.221	-0.01104	3.1766	-1.4582	-0.2461	-2.111	-0.4716	40.27
1251	-1.176	-2.349	-0.2095	3.1739	-1.5386	-0.2084	-2.186	-4.098	42.48
1252	-1.164	-2.354	-0.01589	3.1644	-1.5336	-0.2506	-2.174	-0.6044	42.67
1261	-1.241	-2.482	-0.2145	3.1682	-1.5350	-0.2084	-2.251	-4.231	44.89
1262	-1.23	-2.487	-0.0208	3.1738	-1.5494	-0.2512	-2.24	-0.7374	45.08
1271	-1.306	-2.615	-0.2195	3.1736	-1.5397	-0.2085	-2.316	-4.364	47.29
1272	-1.295	-2.62	-0.02581	3.1762	-1.5397	-0.2506	-2.305	-0.8705	47.48
1281	-1.371	-2.748	-0.2246	3.1767	-1.5517	-0.2091	-2.381	-4.497	49.7
1282	-1.361	-2.753	-0.0308	3.1728	-1.5420	-0.2508	-2.371	-1.004	49.89
1291	-1.437	-2.881	-0.2297	3.1758	-1.5684	-0.2100	-2.447	-4.63	52.1
1292	-1.426	-2.886	-0.03594	3.1804	-1.5644	-0.2518	-2.436	-1.137	52.29
1301	-1.504	-3.014	-0.235	3.1712	-1.5885	-0.2112	-2.514	-4.764	54.5
1302	-1.494	-3.02	-0.04113	3.1760	-1.6106	-0.2545	-2.504	-1.27	54.7
1311	-1.572	-3.147	-0.2403	3.1786	-1.6094	-0.2122	-2.582	-4.897	56.91
1312	-1.563	-3.152	-0.04647	3.1735	-1.6211	-0.2551	-2.573	-1.403	57.1
1321	-1.64	-3.281	-0.2459	3.1801	-1.5758	-0.2103	-2.65	-5.03	59.31
1322	-1.63	-3.286	-0.0518	3.1971	-1.5446	-0.2502	-2.64	-1.537	59.51
1331	-1.654	-3.308	-0.247	3.1773	-1.5788	-0.2105	-2.664	-5.058	59.81
1332	-1.643	-3.314	-0.05291	3.1947	-1.5529	-0.2507	-2.653	-1.564	60.01
1341	-1.661	-3.322	-0.2475	3.1784	-1.5935	-0.2113	-2.671	-5.072	60.06
1342	-1.65	-3.328	-0.05345	3.1908	-1.5724	-0.2519	-2.66	-1.578	60.26
1351	-1.731	-3.456	-0.2529	3.1856	-1.7229	-0.2183	-2.741	-5.205	62.47
1352	-1.721	-3.461	-0.05869	3.1771	-1.7245	-0.2607	-2.731	-1.712	62.66
1361	-1.805	-3.589	-0.2581	3.1822	-1.7611	-0.2205	-2.815	-5.339	64.87
1362	-1.795	-3.594	-0.06387	3.1875	-1.7577	-0.2623	-2.805	-1.845	65.07
1371	-1.88	-3.723	-0.2632	3.1827	-1.7695	-0.2209	-2.89	-5.472	67.28
1372	-1.87	-3.728	-0.06901	3.1869	-1.7671	-0.2628	-2.88	-1.979	67.47
1381	-1.955	-3.856	-0.2684	3.1870	-1.7758	-0.2212	-2.965	-5.606	69.68
1382	-1.945	-3.862	-0.07409	3.1838	-1.7733	-0.2632	-2.955	-2.112	69.88
1391	-2.03	-3.99	-0.2734	3.1795	-1.7912	-0.2222	-3.04	-5.739	72.09
1392	-2.02	-3.995	-0.07912	3.1919	-1.7892	-0.2639	-3.03	-2.246	72.28
1401	-2.106	-4.123	-0.2784	3.1843	-1.7748	-0.2212	-3.116	-5.873	74.49
1402	-2.096	-4.129	-0.08411	3.1862	-1.7723	-0.2631	-3.106	-2.38	74.69
1411	-2.181	-4.257	-0.2833	3.1889	-1.7557	-0.2200	-3.191	-6.006	76.9
1412	-2.17	-4.262	-0.08896	3.1803	-1.7528	-0.2622	-3.18	-2.513	77.09
1421	-2.255	-4.391	-0.2881	3.1791	-1.7734	-0.2213	-3.265	-6.14	79.3
1422	-2.245	-4.396	-0.09383	3.1907	-1.7709	-0.2629	-3.255	-2.647	79.5
1431	-2.271	-4.418	-0.2891	3.1791	-1.7745	-0.2213	-3.281	-6.168	79.8
1432	-2.261	-4.424	-0.09485	3.1907	-1.7719	-0.2630	-3.271	-2.674	80
2001	-2.44	-4.709	-2.638	0.0000	0.0000	0.0000	-0.42	-1.21	60.08
2002	-2.443	-1.951	-2.862	0.0000	0.0000	0.0000	-0.4226	-5.45	59.86
$Gnd1	0	0	0	0.0000	0.0000	0.0000	80	0	-3
$Gnd3	0	0	0	0.0000	0.0000	0.0000	-28	48.6	-3
$Gnd5	0	0	0	0.0000	0.0000	0.0000	-38.3	-66.3	-3

Joint Support Reactions for Load Case "LC3: DL + WL":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Horz. Shear Usage %(kips)	Z Force (kips)	Comp. Uplift Usage %	Result. Usage %	Result. Force (kips)	X Usage %	X-M. Moment (ft-k)	Y Usage %	Y-M. Moment (ft-k)	Z Usage %	Z-M. Moment (ft-k)	Max. Usage %
100P	1.12	0.0	-0.92	0.0	0.0	17.13	0.0	0.0	17.19	0.0	0.00	0.0	0.0	0.0	0.00	0.0
$Gnd1	11.26	0.0	0.46	0.0	0.0	-8.72	0.0	0.0	14.25	0.0	0.00	0.0	0.0	0.0	0.00	0.0
$Gnd3	-0.19	0.0	0.59	0.0	0.0	-0.69	0.0	0.0	0.92	0.0	0.00	0.0	0.0	0.0	0.00	0.0
$Gnd5	0.02	0.0	-0.15	0.0	0.0	-0.12	0.0	0.0	0.20	0.0	0.00	0.0	0.0	0.0	0.00	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "LC3: DL + WL":

Joint Label	X External Load	Y External Load	Z External Load	X Member Force	Y Member Force	Z Member Force	X Disp.	Y Disp.	Z Disp.

	(kips)	(kips)	(kips)	(kips)	(kips)	(kips)	(ft)	(ft)	(ft)
100P	-0.0329	0.0000	-0.0226	-1.0904	0.9191	-17.1031	0.0000	0.0000	0.0000
101P	-0.0329	0.0000	-0.0226	0.0329	0.0000	0.0226	-0.0322	-0.0645	0.0103
102P	-0.0329	0.0000	-0.0226	0.0329	0.0000	0.0226	-0.0639	-0.1285	0.0209
103P	-0.0329	0.0000	-0.0226	0.0329	0.0000	0.0226	-0.0957	-0.1930	0.0310
104P	-0.0329	0.0000	-0.0226	0.0329	0.0000	0.0226	-0.1271	-0.2569	0.0414
105P	-0.0775	0.0000	-0.0474	0.0775	-0.0000	0.0474	-0.1409	-0.2854	0.0459
106P	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.1480	-0.2992	0.0454
107P	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.2150	-0.4304	0.0405
108P	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.2813	-0.5611	0.0357
109P	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.3477	-0.6924	0.0308
110P	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.4137	-0.8232	0.0260
111P	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.4797	-0.9546	0.0211
112P	-0.0573	0.0000	-0.0348	0.0573	0.0000	0.0348	-0.5453	-1.0851	0.0163
113P	-0.0945	0.0000	-0.0468	0.0945	0.0000	0.0468	-0.5590	-1.1127	0.0152
114P	-0.0656	0.0000	-0.0250	0.0656	-0.0000	0.0250	-0.5658	-1.1265	0.0147
115P	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.6317	-1.2596	0.0096
116P	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.6975	-1.3927	0.0046
117P	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.7630	-1.5256	-0.0004
118P	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.8283	-1.6585	-0.0053
119P	-0.1178	0.0000	-0.0460	0.1178	-0.0000	0.0460	-0.8933	-1.7916	-0.0102
120P	-0.0500	0.0000	-0.0220	0.0500	-0.0000	0.0220	-0.9580	-1.9249	-0.0151
121P	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-1.0234	-2.0583	-0.0199
122P	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-1.0877	-2.1906	-0.0245
123P	-0.1005	0.0000	-0.0438	0.1005	-0.0000	0.0438	-1.1005	-2.2179	-0.0255
124P	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.1069	-2.2316	-0.0259
125P	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.1708	-2.3641	-0.0305
126P	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.2363	-2.4981	-0.0351
127P	-0.5461	0.0000	-0.1718	0.5461	-0.0000	0.1718	-1.3023	-2.6323	-0.0396
128P	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.3670	-2.7645	-0.0439
129P	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.4330	-2.8971	-0.0481
130P	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.5000	-3.0309	-0.0522
131P	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.5684	-3.1649	-0.0563
132P	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.6363	-3.2977	-0.0601
133P	-0.1085	0.0000	-0.0638	0.1085	-0.0000	0.0638	-1.6498	-3.3252	-0.0609
134P	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.6567	-3.3390	-0.0613
135P	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.7277	-3.4723	-0.0654
136P	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.8016	-3.6059	-0.0696
137P	-0.0580	0.0000	-0.0420	0.0580	-0.0000	0.0420	-1.8762	-3.7395	-0.0740
138P	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.9513	-3.8731	-0.0786
139P	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-2.0267	-4.0066	-0.0833
140P	-1.3910	0.0000	-1.1030	1.3910	0.0000	1.1030	-2.1021	-4.1403	-0.0881
141P	-0.0580	0.0000	-0.0420	0.0580	-0.0000	0.0420	-2.1770	-4.2738	-0.0930
142P	-0.0580	0.0000	-0.0420	0.0580	-0.0000	0.0420	-2.2516	-4.4074	-0.0978
143P	-0.0961	0.0000	-0.0650	0.0961	0.0000	0.0650	-2.2672	-4.4351	-0.0989
200P	-0.0580	0.0000	-0.0420	0.0580	-0.0000	0.0420	-0.3705	-3.3134	-2.6768
1011	-0.0329	0.0000	-0.0226	0.0329	0.0000	0.0226	-0.0331	-0.0608	-0.0302
1012	-0.0329	0.0000	-0.0226	0.0329	-0.0000	0.0226	-0.0307	-0.0620	0.0130
1021	-0.0329	0.0000	-0.0226	0.0329	0.0000	0.0226	-0.0658	-0.1209	-0.0609
1022	-0.0329	0.0000	-0.0226	0.0329	-0.0000	0.0226	-0.0609	-0.1233	0.0263
1031	-0.0329	0.0000	-0.0226	0.0329	0.0000	0.0226	-0.0986	-0.1816	-0.0909
1032	-0.0329	0.0000	-0.0226	0.0329	-0.0000	0.0226	-0.0912	-0.1853	0.0394
1041	-0.0329	0.0000	-0.0226	0.0329	0.0000	0.0226	-0.1310	-0.2418	-0.1216
1042	-0.0329	0.0000	-0.0226	0.0329	-0.0000	0.0226	-0.1212	-0.2466	0.0528
1051	-0.0775	0.0000	-0.0474	0.0775	-0.0000	0.0474	-0.1455	-0.2687	-0.1349
1052	-0.0775	0.0000	-0.0474	0.0775	0.0000	0.0474	-0.1347	-0.2738	0.0585
1061	-0.0446	0.0000	-0.0248	0.0446	-0.0000	0.0248	-0.1525	-0.2825	-0.1354
1062	-0.0446	0.0000	-0.0248	0.0446	-0.0000	0.0248	-0.1417	-0.2876	0.0580
1071	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.2192	-0.4137	-0.1401
1072	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.2085	-0.4191	0.0533
1081	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.2857	-0.5446	-0.1448
1082	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.2750	-0.5500	0.0486
1091	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.3521	-0.6758	-0.1495
1092	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.3415	-0.6812	0.0440
1101	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.4182	-0.8067	-0.1541
1102	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.4074	-0.8121	0.0393
1111	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.4840	-0.9380	-0.1588
1112	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.4735	-0.9433	0.0347
1121	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.5493	-1.0688	-0.1634
1122	-0.0446	0.0000	-0.0248	0.0446	0.0000	0.0248	-0.5389	-1.0742	0.0300
1131	-0.0945	0.0000	-0.0468	0.0945	0.0000	0.0468	-0.5631	-1.0964	-0.1644
1132	-0.0945	0.0000	-0.0468	0.0945	0.0000	0.0468	-0.5526	-1.1018	0.0291
1141	-0.0500	0.0000	-0.0220	0.0500	-0.0000	0.0220	-0.5700	-1.1102	-0.1649
1142	-0.0500	0.0000	-0.0220	0.0500	-0.0000	0.0220	-0.5595	-1.1156	0.0286
1151	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.6362	-1.2431	-0.1696
1152	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.6256	-1.2484	0.0238
1161	-0.0500	0.0000	-0.0220	0.0500	-0.0000	0.0220	-0.7022	-1.3761	-0.1744
1162	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.6913	-1.3816	0.0191
1171	-0.0500	0.0000	-0.0220	0.0500	-0.0000	0.0220	-0.7675	-1.5090	-0.1791
1172	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.7569	-1.5144	0.0144

1181	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.8328	-1.6421	-0.1839
1182	-0.0500	0.0000	-0.0220	0.0500	-0.0000	0.0220	-0.8219	-1.6474	0.0096
1191	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.8977	-1.7750	-0.1886
1192	-0.0500	0.0000	-0.0220	0.0500	-0.0000	0.0220	-0.8869	-1.7804	0.0049
1201	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.9628	-1.9081	-0.1935
1202	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-0.9521	-1.9137	0.0001
1211	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-1.0274	-2.0410	-0.1982
1212	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-1.0178	-2.0463	-0.0048
1221	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-1.0916	-2.1742	-0.2031
1222	-0.0500	0.0000	-0.0220	0.0500	0.0000	0.0220	-1.0814	-2.1795	-0.0095
1231	-0.1005	0.0000	-0.0438	0.1005	-0.0000	0.0438	-1.1047	-2.2018	-0.2041
1232	-0.1005	0.0000	-0.0438	0.1005	-0.0000	0.0438	-1.0941	-2.2072	-0.0105
1241	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.1112	-2.2155	-0.2046
1242	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.1005	-2.2210	-0.0110
1251	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.1756	-2.3486	-0.2095
1252	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.1643	-2.3538	-0.0159
1261	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.2408	-2.4817	-0.2145
1262	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.2298	-2.4867	-0.0208
1271	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.3058	-2.6146	-0.2195
1272	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.2954	-2.6199	-0.0258
1281	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.3713	-2.7479	-0.2246
1282	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.3606	-2.7530	-0.0308
1291	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.4373	-2.8811	-0.2297
1292	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.4265	-2.8861	-0.0359
1301	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.5042	-3.0143	-0.2350
1302	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.4936	-3.0196	-0.0411
1311	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.5718	-3.1472	-0.2403
1312	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.5626	-3.1524	-0.0465
1321	-0.0506	0.0000	-0.0218	0.0506	0.0000	0.0218	-1.6398	-3.2808	-0.2459
1322	-0.0506	0.0000	-0.0218	0.0506	-0.0000	0.0218	-1.6299	-3.2861	-0.0518
1331	-0.1085	0.0000	-0.0638	0.1085	-0.0000	0.0638	-1.6536	-3.3085	-0.2470
1332	-0.1085	0.0000	-0.0638	0.1085	-0.0000	0.0638	-1.6435	-3.3139	-0.0529
1341	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.6605	-3.3223	-0.2475
1342	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.6503	-3.3278	-0.0534
1351	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.7312	-3.4558	-0.2529
1352	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.7209	-3.4610	-0.0587
1361	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.8051	-3.5894	-0.2581
1362	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.7949	-3.5945	-0.0639
1371	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.8798	-3.7228	-0.2632
1372	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-1.8696	-3.7281	-0.0690
1381	-0.0580	0.0000	-0.0420	0.0580	-0.0000	0.0420	-1.9549	-3.8564	-0.2684
1382	-0.0580	0.0000	-0.0420	0.0580	-0.0000	0.0420	-1.9447	-3.8616	-0.0741
1391	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-2.0303	-3.9899	-0.2734
1392	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-2.0200	-3.9952	-0.0791
1401	-1.3910	0.0000	-1.1030	1.3910	0.0000	1.1030	-2.1062	-4.1232	-0.2784
1402	-1.3910	0.0000	-1.1030	1.3910	0.0000	1.1030	-2.0959	-4.1291	-0.0841
1411	-0.0580	0.0000	-0.0420	0.0580	-0.0000	0.0420	-2.1806	-4.2571	-0.2833
1412	-0.0580	0.0000	-0.0420	0.0580	-0.0000	0.0420	-2.1703	-4.2623	-0.0890
1421	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-2.2553	-4.3905	-0.2881
1422	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-2.2450	-4.3960	-0.0938
1431	-0.0659	0.0000	-0.0570	0.0659	0.0000	0.0570	-2.2709	-4.4182	-0.2891
1432	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-2.2606	-4.4237	-0.0948
2001	-0.0580	0.0000	-0.0420	0.0580	0.0000	0.0420	-2.4400	-4.7089	-2.6376
2002	-0.0580	0.0000	-0.0420	0.0580	-0.0000	0.0420	-2.4426	-1.9508	-2.8618

EIA Summary of Guy Tensions and Usages for Load Case "LC3: DL + WL":

Guy Label	Max. Tension (kips)	Allowable Tension (kips)	Factored Allowable (kips)	Usage %	Top Tension (kips)	Anchor Tension (kips)	Intercept Distance (ft)
Guy1a	7.18	10.82	10.82	66.39	7.18	7.16	0.29
Guy1b	7.12	10.82	10.82	65.86	7.12	7.10	0.29
Guy1c	0.46	10.82	10.82	4.23	0.46	0.43	3.25
Guy1d	0.52	10.82	10.82	4.79	0.52	0.49	2.86
Guy1e	0.13	10.82	10.82	1.17	0.13	0.10	17.45
Guy1f	0.12	10.82	10.82	1.11	0.12	0.10	18.39

*** Analysis Results for Load Case No. 4 "LC4: DL + WI (Ice)" - Number of iterations in SAPS 30

Equilibrium Joint Positions and Rotations for Load Case "LC4: DL + WI (Ice)":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
100P	0	0	0	0.5120	4.5187	-0.3220	0	0	0
101P	0.08736	-0.01292	-0.0395	0.5171	4.5185	-0.3275	0.5374	-0.01292	1.09
102P	0.1738	-0.0258	-0.0797	0.5138	4.5137	-0.3290	1.084	-0.0258	2.17
103P	0.261	-0.03871	-0.1191	0.5137	4.5102	-0.3320	1.621	-0.03871	3.261
104P	0.3475	-0.05157	-0.1594	0.5054	4.5471	-0.3304	2.168	-0.05157	4.341
105P	0.3865	-0.05719	-0.1771	0.5002	4.5495	-0.3291	2.407	-0.05719	4.823
106P	0.4063	-0.05948	-0.178	0.4998	4.5402	-0.3291	2.426	-0.05948	5.072
107P	0.5938	-0.08149	-0.1865	0.5110	4.5138	-0.3302	2.614	-0.08149	7.444
108P	0.7799	-0.1039	-0.1948	0.5148	4.5046	-0.3306	2.8	-0.1039	9.805
109P	0.9664	-0.1262	-0.2031	0.5134	4.4972	-0.3305	2.986	-0.1262	12.18
110P	1.152	-0.1486	-0.2113	0.5122	4.4809	-0.3306	3.172	-0.1486	14.54
111P	1.337	-0.1707	-0.2194	0.5072	4.4611	-0.3304	3.357	-0.1707	16.91
112P	1.521	-0.1928	-0.2274	0.5063	4.4640	-0.3302	3.541	-0.1928	19.27
113P	1.56	-0.1974	-0.2291	0.5059	4.4635	-0.3302	3.58	-0.1974	19.77
114P	1.579	-0.1997	-0.2299	0.5059	4.4588	-0.3303	3.599	-0.1997	20.02
115P	1.766	-0.2222	-0.2379	0.5154	4.4142	-0.3314	3.786	-0.2222	22.42
116P	1.95	-0.2451	-0.2458	0.5149	4.3886	-0.3316	3.97	-0.2451	24.82
117P	2.134	-0.2676	-0.2537	0.5111	4.3724	-0.3314	4.154	-0.2676	27.23
118P	2.317	-0.2902	-0.2615	0.5079	4.3524	-0.3313	4.337	-0.2902	29.63
119P	2.499	-0.3124	-0.2693	0.5050	4.3233	-0.3313	4.519	-0.3124	32.03
120P	2.68	-0.3346	-0.2771	0.4931	4.3190	-0.3305	4.7	-0.3346	34.43
121P	2.862	-0.3562	-0.2849	0.5000	4.3093	-0.3311	4.882	-0.3562	36.84
122P	3.041	-0.3792	-0.2927	0.5404	4.1906	-0.3352	5.061	-0.3792	39.24
123P	3.077	-0.3842	-0.2943	0.5441	4.1754	-0.3356	5.097	-0.3842	39.74
124P	3.095	-0.3866	-0.2951	0.5439	4.1873	-0.3355	5.115	-0.3866	39.98
125P	3.273	-0.41	-0.3029	0.5114	4.2758	-0.3322	5.293	-0.41	42.39
126P	3.453	-0.4316	-0.3109	0.4682	4.2748	-0.3289	5.473	-0.4316	44.79
127P	3.632	-0.4525	-0.3191	0.5013	4.2462	-0.3316	5.652	-0.4525	47.19
128P	3.809	-0.4758	-0.3273	0.5350	4.2340	-0.3342	5.829	-0.4758	49.59
129P	3.988	-0.4986	-0.3357	0.5042	4.2582	-0.3317	6.008	-0.4986	51.99
130P	4.167	-0.5202	-0.3444	0.4706	4.2878	-0.3289	6.187	-0.5202	54.4
131P	4.347	-0.541	-0.3534	0.4899	4.3049	-0.3302	6.367	-0.541	56.8
132P	4.526	-0.5637	-0.3624	0.5270	4.1803	-0.3342	6.546	-0.5637	59.2
133P	4.562	-0.5685	-0.3643	0.5221	4.1842	-0.3338	6.582	-0.5685	59.7
134P	4.58	-0.5708	-0.3652	0.5176	4.2149	-0.3331	6.6	-0.5708	59.94
135P	4.763	-0.593	-0.3742	0.4964	4.4290	-0.3296	6.783	-0.593	62.35
136P	4.949	-0.615	-0.383	0.5007	4.4491	-0.3297	6.969	-0.615	64.75
137P	5.136	-0.6371	-0.3917	0.4998	4.4599	-0.3296	7.156	-0.6371	67.15
138P	5.324	-0.6592	-0.4003	0.4997	4.4714	-0.3294	7.344	-0.6592	69.55
139P	5.511	-0.6813	-0.4088	0.5001	4.4736	-0.3294	7.531	-0.6813	71.95
140P	5.699	-0.7034	-0.4171	0.4998	4.4681	-0.3295	7.719	-0.7034	74.35
141P	5.886	-0.7255	-0.4254	0.4997	4.4580	-0.3296	7.906	-0.7255	76.75
142P	6.073	-0.7476	-0.4335	0.5000	4.4637	-0.3295	8.093	-0.7476	79.16
143P	6.112	-0.7522	-0.4352	0.5000	4.4660	-0.3295	8.132	-0.7522	79.65
200P	6.401	-0.5465	-2.827	0.0000	0.0000	0.0000	2.361	-0.5465	59.89
1011	0.08735	-0.009231	0.01001	0.4497	4.5215	-0.3350	-0.1377	-0.3989	1.14
1012	0.09201	-0.009514	0.01695	0.5688	4.5081	-0.3039	-0.133	0.3802	1.147
1021	0.1738	-0.01833	0.02037	0.4666	4.5182	-0.3406	-0.2812	-0.8064	2.27
1022	0.1832	-0.01894	0.0344	0.5548	4.5075	-0.2972	-0.2718	0.7691	2.284
1031	0.261	-0.02756	0.03038	0.4574	4.5250	-0.3459	-0.419	-1.205	3.41
1032	0.275	-0.02849	0.05135	0.5637	4.5110	-0.2891	-0.405	1.149	3.431
1041	0.3475	-0.03679	0.04069	0.5015	4.5192	-0.3490	-0.5625	-1.613	4.541
1042	0.3662	-0.03786	0.06879	0.5278	4.5177	-0.2876	-0.5438	1.538	4.569
1051	0.386	-0.04132	0.04499	0.5024	4.5299	-0.3479	-0.624	-1.791	5.045
1052	0.407	-0.04172	0.07623	0.5322	4.5364	-0.2900	-0.603	1.708	5.076
1061	0.4058	-0.04358	0.04406	0.4939	4.5372	-0.3471	-0.6042	-1.793	5.294
1062	0.4267	-0.0442	0.0753	0.5410	4.5436	-0.2906	-0.5833	1.705	5.325
1071	0.5936	-0.06576	0.03523	0.5122	4.5310	-0.3486	-0.4164	-1.815	7.665
1072	0.6145	-0.06684	0.06643	0.5089	4.5144	-0.2883	-0.3955	1.683	7.696
1081	0.7802	-0.0881	0.02641	0.5165	4.5095	-0.3492	-0.2298	-1.837	10.03
1082	0.8004	-0.08876	0.0577	0.5145	4.5035	-0.2888	-0.2096	1.661	10.06
1091	0.9666	-0.1107	0.01764	0.5088	4.4934	-0.3487	-0.0434	-1.86	12.4
1092	0.987	-0.1113	0.04887	0.5152	4.4957	-0.2890	-0.02301	1.638	12.43
1101	1.152	-0.1326	0.008881	0.5067	4.4802	-0.3487	0.1419	-1.882	14.76
1102	1.172	-0.1333	0.04015	0.5116	4.4750	-0.2888	0.162	1.616	14.79
1111	1.337	-0.155	0.0001542	0.5094	4.4667	-0.3490	0.3271	-1.904	17.13
1112	1.357	-0.1557	0.0314	0.5232	4.4592	-0.2899	0.3472	1.594	17.16
1121	1.521	-0.177	-0.008552	0.5080	4.4622	-0.3489	0.5113	-1.926	19.49
1122	1.541	-0.1783	0.02272	0.5195	4.4652	-0.2895	0.5311	1.571	19.52
1131	1.56	-0.1817	-0.01038	0.5116	4.4553	-0.3493	0.5502	-1.931	19.99
1132	1.58	-0.183	0.02088	0.5163	4.4679	-0.2892	0.57	1.566	20.02
1141	1.58	-0.184	-0.01133	0.5144	4.4479	-0.3495	0.5695	-1.933	20.24

1142	1.599	-0.1853	0.01993	0.5128	4.4661	-0.2890	0.5894	1.564	20.27
1151	1.765	-0.2069	-0.02033	0.5088	4.4141	-0.3494	0.7551	-1.956	22.64
1152	1.786	-0.2072	0.01085	0.4919	4.4207	-0.2877	0.776	1.542	22.67
1161	1.95	-0.2291	-0.02926	0.5065	4.3920	-0.3494	0.9401	-1.978	25.04
1162	1.971	-0.2291	0.001921	0.5155	4.3884	-0.2898	0.9606	1.52	25.07
1171	2.134	-0.2518	-0.03809	0.5084	4.3702	-0.3498	1.124	-2.001	27.44
1172	2.154	-0.2522	-0.006943	0.5235	4.3655	-0.2906	1.144	1.497	27.47
1181	2.317	-0.274	-0.04685	0.5064	4.3493	-0.3498	1.307	-2.023	29.84
1182	2.337	-0.2747	-0.0157	0.5132	4.3445	-0.2900	1.327	1.475	29.87
1191	2.499	-0.2966	-0.05551	0.5065	4.3295	-0.3500	1.489	-2.046	32.24
1192	2.519	-0.2971	-0.02439	0.4979	4.3331	-0.2890	1.509	1.452	32.28
1201	2.68	-0.3189	-0.06409	0.5125	4.3125	-0.3506	1.67	-2.068	34.65
1202	2.701	-0.3188	-0.03303	0.5093	4.3358	-0.2898	1.691	1.431	34.68
1211	2.861	-0.3417	-0.07259	0.5049	4.2988	-0.3501	1.851	-2.091	37.05
1212	2.882	-0.342	-0.04161	0.5382	4.2968	-0.2923	1.872	1.407	37.08
1221	3.04	-0.3636	-0.08091	0.5015	4.2291	-0.3505	2.03	-2.113	39.45
1222	3.06	-0.365	-0.0499	0.5016	4.1732	-0.2908	2.05	1.384	39.48
1231	3.077	-0.3682	-0.0826	0.5082	4.2116	-0.3511	2.067	-2.118	39.95
1232	3.096	-0.3695	-0.05156	0.4945	4.1649	-0.2904	2.086	1.38	39.98
1241	3.095	-0.3706	-0.08344	0.5090	4.2149	-0.3512	2.085	-2.12	40.2
1242	3.115	-0.3717	-0.0524	0.4952	4.1763	-0.2903	2.105	1.378	40.23
1251	3.273	-0.393	-0.09166	0.5035	4.2611	-0.3503	2.263	-2.142	42.6
1252	3.292	-0.3937	-0.06055	0.5057	4.2757	-0.2902	2.282	1.356	42.63
1261	3.452	-0.4152	-0.09979	0.5083	4.2541	-0.3507	2.442	-2.165	45
1262	3.472	-0.416	-0.06886	0.5113	4.2804	-0.2905	2.462	1.333	45.03
1271	3.63	-0.4377	-0.1079	0.5031	4.2493	-0.3504	2.62	-2.187	47.4
1272	3.651	-0.4384	-0.07697	0.5084	4.2460	-0.2906	2.641	1.311	47.43
1281	3.809	-0.4597	-0.1158	0.4996	4.2495	-0.3501	2.799	-2.209	49.8
1282	3.829	-0.4606	-0.08498	0.5109	4.2375	-0.2909	2.819	1.289	49.84
1291	3.987	-0.482	-0.1237	0.5012	4.2559	-0.3501	2.977	-2.231	52.21
1292	4.007	-0.483	-0.09286	0.4974	4.2577	-0.2897	2.997	1.266	52.24
1301	4.166	-0.5041	-0.1315	0.5089	4.2712	-0.3506	3.156	-2.253	54.61
1302	4.187	-0.5045	-0.1008	0.5052	4.3041	-0.2898	3.177	1.245	54.64
1311	4.345	-0.5267	-0.1394	0.4971	4.2970	-0.3494	3.335	-2.276	57.01
1312	4.368	-0.5275	-0.1087	0.5286	4.2995	-0.2916	3.358	1.222	57.04
1321	4.525	-0.5483	-0.147	0.5018	4.2289	-0.3503	3.515	-2.298	59.41
1322	4.546	-0.5498	-0.1164	0.4813	4.1719	-0.2893	3.536	1.2	59.44
1331	4.562	-0.553	-0.1485	0.5064	4.2265	-0.3507	3.552	-2.302	59.91
1332	4.582	-0.5542	-0.1179	0.4797	4.1829	-0.2891	3.572	1.195	59.94
1341	4.58	-0.5553	-0.1493	0.5027	4.2465	-0.3502	3.57	-2.305	60.16
1342	4.6	-0.5563	-0.1186	0.4871	4.2122	-0.2894	3.59	1.193	60.19
1351	4.763	-0.577	-0.157	0.4931	4.4150	-0.3480	3.753	-2.326	62.56
1352	4.783	-0.5788	-0.1264	0.5122	4.4215	-0.2893	3.773	1.171	62.59
1361	4.949	-0.5993	-0.1649	0.5030	4.4545	-0.3484	3.939	-2.349	64.97
1362	4.969	-0.6007	-0.1342	0.4977	4.4518	-0.2879	3.959	1.149	65
1371	5.136	-0.6214	-0.1728	0.4983	4.4625	-0.3480	4.126	-2.371	67.37
1372	5.156	-0.6228	-0.1422	0.5038	4.4618	-0.2883	4.146	1.127	67.4
1381	5.324	-0.6435	-0.1809	0.4976	4.4681	-0.3479	4.314	-2.393	69.77
1382	5.344	-0.6449	-0.1503	0.5043	4.4675	-0.2882	4.334	1.104	69.8
1391	5.512	-0.6656	-0.1891	0.5030	4.4824	-0.3482	4.502	-2.415	72.17
1392	5.531	-0.667	-0.1584	0.4990	4.4814	-0.2877	4.521	1.082	72.2
1401	5.7	-0.688	-0.1973	0.4982	4.4689	-0.3479	4.69	-2.437	74.57
1402	5.719	-0.6889	-0.1667	0.5037	4.4681	-0.2882	4.709	1.06	74.6
1411	5.887	-0.7098	-0.2054	0.4945	4.4518	-0.3478	4.877	-2.459	76.97
1412	5.906	-0.7112	-0.1748	0.5074	4.4512	-0.2886	4.896	1.038	77.01
1421	6.074	-0.732	-0.2136	0.5035	4.4705	-0.3483	5.064	-2.481	79.38
1422	6.094	-0.7333	-0.183	0.4985	4.4687	-0.2878	5.084	1.016	79.41
1431	6.113	-0.7366	-0.2153	0.5035	4.4725	-0.3483	5.103	-2.486	79.87
1432	6.132	-0.7378	-0.1847	0.4985	4.4704	-0.2878	5.122	1.012	79.91
2001	3.619	-2.195	-3.081	0.0000	0.0000	0.0000	5.639	1.304	59.64
2002	3.79	0.754	-2.954	0.0000	0.0000	0.0000	5.81	-2.745	59.77
$Gnd1	0	0	0	0.0000	0.0000	0.0000	80	0	-3
$Gnd3	0	0	0	0.0000	0.0000	0.0000	-28	48.6	-3
$Gnd5	0	0	0	0.0000	0.0000	0.0000	-38.3	-66.3	-3

Joint Support Reactions for Load Case "LC4: DL + WI (Ice)":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Horz. Shear Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
100P	-0.34	0.0	-0.32	0.0	0.0	38.94	0.0	0.0	38.94	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd1	0.01	0.0	0.00	0.0	0.0	-0.07	0.0	0.0	0.07	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd3	-8.19	0.0	11.97	0.0	0.0	-15.50	0.0	0.0	21.23	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd5	-7.86	0.0	-11.60	0.0	0.0	-11.16	0.0	0.0	17.92	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "LC4: DL + WI (Ice)":

Joint Label	X External Load	Y External Load	Z External Load	X Member Force	Y Member Force	Z Member Force	X Disp.	Y Disp.	Z Disp.

	(kips)	(kips)	(kips)	(kips)	(kips)	(kips)	(ft)	(ft)	(ft)
100P	0.0249	0.0000	-0.0354	0.3150	0.3169	-38.9033	0.0000	0.0000	0.0000
101P	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.0874	-0.0129	-0.0395
102P	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.1738	-0.0258	-0.0797
103P	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.2610	-0.0387	-0.1191
104P	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.3475	-0.0516	-0.1594
105P	0.1099	0.0000	-0.0782	-0.1099	0.0000	0.0782	0.3865	-0.0572	-0.1771
106P	0.0849	0.0000	-0.0428	-0.0849	-0.0000	0.0428	0.4063	-0.0595	-0.1780
107P	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	0.5938	-0.0815	-0.1865
108P	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	0.7799	-0.1039	-0.1948
109P	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	0.9664	-0.1262	-0.2031
110P	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	1.1517	-0.1486	-0.2113
111P	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	1.3370	-0.1707	-0.2194
112P	0.0977	0.0000	-0.0556	-0.0977	0.0000	0.0556	1.5211	-0.1928	-0.2274
113P	0.1731	0.0000	-0.0837	-0.1731	0.0000	0.0837	1.5600	-0.1974	-0.2291
114P	0.1085	0.0000	-0.0509	-0.1085	-0.0000	0.0509	1.5794	-0.1997	-0.2299
115P	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	1.7655	-0.2222	-0.2379
116P	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	1.9502	-0.2451	-0.2458
117P	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.1340	-0.2676	-0.2537
118P	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.3172	-0.2902	-0.2615
119P	0.1849	0.0000	-0.0829	-0.1849	0.0000	0.0829	2.4993	-0.3124	-0.2693
120P	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.6804	-0.3346	-0.2771
121P	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.8617	-0.3562	-0.2849
122P	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	3.0406	-0.3792	-0.2927
123P	0.1697	0.0000	-0.0811	-0.1697	0.0000	0.0811	3.0770	-0.3842	-0.2943
124P	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.0951	-0.3866	-0.2951
125P	0.0816	0.0000	-0.0402	-0.0816	0.0000	0.0402	3.2734	-0.4100	-0.3029
126P	0.0816	0.0000	-0.0402	-0.0816	0.0000	0.0402	3.4528	-0.4316	-0.3109
127P	0.5057	0.0000	-0.2318	-0.5057	-0.0000	0.2318	3.6318	-0.4525	-0.3191
128P	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.8093	-0.4758	-0.3273
129P	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.9876	-0.4986	-0.3357
130P	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	4.1667	-0.5202	-0.3444
131P	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	4.3472	-0.5410	-0.3534
132P	0.0816	0.0000	-0.0402	-0.0816	0.0000	0.0402	4.5259	-0.5637	-0.3624
133P	0.1772	0.0000	-0.1049	-0.1772	0.0000	0.1049	4.5622	-0.5685	-0.3643
134P	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	4.5804	-0.5708	-0.3652
135P	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	4.7630	-0.5930	-0.3742
136P	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	4.9494	-0.6150	-0.3830
137P	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.1363	-0.6371	-0.3917
138P	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.3237	-0.6592	-0.4003
139P	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.5114	-0.6813	-0.4088
140P	1.0796	0.0000	-1.5757	-1.0796	-0.0000	1.5757	5.6991	-0.7034	-0.4171
141P	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.8864	-0.7255	-0.4254
142P	0.0956	0.0000	-0.0647	-0.0956	0.0000	0.0647	6.0735	-0.7476	-0.4335
143P	0.1333	0.0000	-0.0947	-0.1333	-0.0000	0.0947	6.1124	-0.7522	-0.4352
200P	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	6.4008	-0.5465	-2.8269
1011	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.0873	-0.0092	0.0100
1012	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.0920	-0.0095	0.0170
1021	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.1738	-0.0183	0.0204
1022	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.1832	-0.0189	0.0344
1031	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.2610	-0.0276	0.0304
1032	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.2750	-0.0285	0.0514
1041	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.3475	-0.0368	0.0407
1042	0.0249	0.0000	-0.0354	-0.0249	0.0000	0.0354	0.3662	-0.0379	0.0688
1051	0.1099	0.0000	-0.0782	-0.1099	0.0000	0.0782	0.3860	-0.0413	0.0450
1052	0.1099	0.0000	-0.0782	-0.1099	0.0000	0.0782	0.4070	-0.0417	0.0762
1061	0.0849	0.0000	-0.0428	-0.0849	-0.0000	0.0428	0.4058	-0.0436	0.0441
1062	0.0849	0.0000	-0.0428	-0.0849	-0.0000	0.0428	0.4267	-0.0442	0.0753
1071	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	0.5936	-0.0658	0.0352
1072	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	0.6145	-0.0668	0.0664
1081	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	0.7802	-0.0881	0.0264
1082	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	0.8004	-0.0888	0.0577
1091	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	0.9666	-0.1107	0.0176
1092	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	0.9870	-0.1113	0.0489
1101	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	1.1519	-0.1326	0.0089
1102	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	1.1720	-0.1333	0.0402
1111	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	1.3371	-0.1550	0.0002
1112	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	1.3572	-0.1557	0.0314
1121	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	1.5213	-0.1770	-0.0086
1122	0.0849	0.0000	-0.0428	-0.0849	0.0000	0.0428	1.5411	-0.1783	0.0227
1131	0.1731	0.0000	-0.0837	-0.1731	0.0000	0.0837	1.5602	-0.1817	-0.0104
1132	0.1731	0.0000	-0.0837	-0.1731	0.0000	0.0837	1.5800	-0.1830	0.0209
1141	0.0881	0.0000	-0.0409	-0.0881	-0.0000	0.0409	1.5795	-0.1840	-0.0113
1142	0.0881	0.0000	-0.0409	-0.0881	-0.0000	0.0409	1.5994	-0.1853	0.0199
1151	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	1.7651	-0.2069	-0.0203
1152	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	1.7860	-0.2072	0.0108
1161	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	1.9501	-0.2291	-0.0293
1162	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	1.9706	-0.2291	0.0019
1171	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.1337	-0.2518	-0.0381
1172	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.1544	-0.2522	-0.0069

1181	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.3168	-0.2740	-0.0468
1182	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.3369	-0.2747	-0.0157
1191	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.4986	-0.2966	-0.0555
1192	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.5191	-0.2971	-0.0244
1201	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.6801	-0.3189	-0.0641
1202	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.7008	-0.3188	-0.0330
1211	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.8605	-0.3417	-0.0726
1212	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	2.8824	-0.3420	-0.0416
1221	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	3.0400	-0.3636	-0.0809
1222	0.0881	0.0000	-0.0409	-0.0881	0.0000	0.0409	3.0602	-0.3650	-0.0499
1231	0.1697	0.0000	-0.0811	-0.1697	0.0000	0.0811	3.0767	-0.3682	-0.0826
1232	0.1697	0.0000	-0.0811	-0.1697	0.0000	0.0811	3.0964	-0.3695	-0.0516
1241	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.0950	-0.3706	-0.0834
1242	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.1146	-0.3717	-0.0524
1251	0.0816	0.0000	-0.0402	-0.0816	0.0000	0.0402	3.2731	-0.3930	-0.0917
1252	0.0816	0.0000	-0.0402	-0.0816	0.0000	0.0402	3.2924	-0.3937	-0.0606
1261	0.0816	0.0000	-0.0402	-0.0816	0.0000	0.0402	3.4519	-0.4152	-0.0998
1262	0.0816	0.0000	-0.0402	-0.0816	0.0000	0.0402	3.4721	-0.4160	-0.0689
1271	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.6301	-0.4377	-0.1079
1272	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.6511	-0.4384	-0.0770
1281	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.8086	-0.4597	-0.1158
1282	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.8288	-0.4606	-0.0850
1291	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	3.9868	-0.4820	-0.1237
1292	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	4.0072	-0.4830	-0.0929
1301	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	4.1659	-0.5041	-0.1315
1302	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	4.1865	-0.5045	-0.1008
1311	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	4.3455	-0.5267	-0.1394
1312	0.0816	0.0000	-0.0402	-0.0816	-0.0000	0.0402	4.3678	-0.5275	-0.1087
1321	0.0816	0.0000	-0.0402	-0.0816	0.0000	0.0402	4.5253	-0.5483	-0.1470
1322	0.0816	0.0000	-0.0402	-0.0816	0.0000	0.0402	4.5458	-0.5498	-0.1164
1331	0.1772	0.0000	-0.1049	-0.1772	0.0000	0.1049	4.5620	-0.5530	-0.1485
1332	0.1772	0.0000	-0.1049	-0.1772	0.0000	0.1049	4.5821	-0.5542	-0.1179
1341	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	4.5804	-0.5553	-0.1493
1342	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	4.6003	-0.5563	-0.1186
1351	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	4.7629	-0.5770	-0.1570
1352	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	4.7827	-0.5788	-0.1264
1361	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	4.9493	-0.5993	-0.1649
1362	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	4.9691	-0.6007	-0.1342
1371	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.1364	-0.6214	-0.1728
1372	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.1562	-0.6228	-0.1422
1381	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.3238	-0.6435	-0.1809
1382	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.3436	-0.6449	-0.1503
1391	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.5116	-0.6656	-0.1891
1392	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.5313	-0.6670	-0.1584
1401	1.0900	0.0000	-1.5757	-1.0900	-0.0000	1.5757	5.6997	-0.6880	-0.1973
1402	1.0900	0.0000	-1.5757	-1.0900	-0.0000	1.5757	5.7194	-0.6889	-0.1667
1411	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.8866	-0.7098	-0.2054
1412	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	5.9064	-0.7112	-0.1748
1421	0.0956	0.0000	-0.0647	-0.0956	0.0000	0.0647	6.0738	-0.7320	-0.2136
1422	0.0956	0.0000	-0.0647	-0.0956	0.0000	0.0647	6.0936	-0.7333	-0.1830
1431	0.1101	0.0000	-0.0812	-0.1101	-0.0000	0.0812	6.1128	-0.7366	-0.2153
1432	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	6.1325	-0.7378	-0.1847
2001	0.0956	0.0000	-0.0647	-0.0956	-0.0000	0.0647	3.6194	-2.1947	-3.0812
2002	0.0956	0.0000	-0.0647	-0.0956	0.0000	0.0647	3.7902	0.7540	-2.9544

EIA Summary of Guy Tensions and Usages for Load Case "LC4: DL + WI (Ice)":

Guy Label	Max. Tension (kips)	Allowable Tension (kips)	Factored Allowable (kips)	Usage %	Top Tension (kips)	Anchor Tension (kips)	Intercept Distance (ft)
Guy1a	0.10	10.82	10.82	0.91	0.10	0.04	44.47
Guy1b	0.10	10.82	10.82	0.90	0.10	0.04	45.48
Guy1c	10.69	10.82	10.82	98.85	10.69	10.63	0.13
Guy1d	10.66	10.82	10.82	98.58	10.66	10.60	0.13
Guy1e	9.61	10.82	10.82	88.83	9.61	9.55	0.21
Guy1f	8.43	10.82	10.82	77.98	8.43	8.37	0.23

*** Analysis Results for Load Case No. 5 "LC5: DL + WI (Ice)" - Number of iterations in SAPS 30

Equilibrium Joint Positions and Rotations for Load Case "LC5: DL + WI (Ice)":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
100P	0	0	0	-3.0422	-1.4449	0.2414	0	0	0
101P	-0.02898	0.06202	0.008798	-3.0261	-1.4754	0.2322	0.421	0.06202	1.139
102P	-0.05769	0.1235	0.01787	-3.0289	-1.4662	0.2278	0.8523	0.1235	2.268
103P	-0.08662	0.1854	0.02666	-3.0316	-1.4719	0.2241	1.273	0.1854	3.407
104P	-0.1152	0.247	0.03566	-3.0527	-1.4345	0.2251	1.705	0.247	4.536
105P	-0.1276	0.2747	0.03941	-3.0630	-1.4335	0.2268	1.892	0.2747	5.039
106P	-0.1339	0.288	0.03886	-3.0639	-1.4418	0.2273	1.886	0.288	5.289
107P	-0.1943	0.4148	0.03361	-3.0528	-1.4463	0.2278	1.826	0.4148	7.664
108P	-0.2546	0.5403	0.02838	-3.0339	-1.4377	0.2278	1.765	0.5403	10.03
109P	-0.3145	0.6656	0.02322	-3.0189	-1.4378	0.2282	1.706	0.6656	12.4
110P	-0.3747	0.7898	0.01806	-3.0048	-1.4419	0.2287	1.645	0.7898	14.77
111P	-0.4348	0.9139	0.01295	-2.9912	-1.4392	0.2289	1.585	0.9139	17.14
112P	-0.495	1.037	0.007856	-2.9884	-1.4386	0.2289	1.525	1.037	19.51
113P	-0.5076	1.063	0.006785	-2.9861	-1.4339	0.2288	1.512	1.063	20.01
114P	-0.5139	1.076	0.006236	-2.9819	-1.4311	0.2287	1.506	1.076	20.26
115P	-0.5745	1.2	0.000993	-2.9430	-1.4420	0.2302	1.446	1.2	22.66
116P	-0.6359	1.323	-0.00419	-2.9142	-1.4411	0.2309	1.384	1.323	25.07
117P	-0.6966	1.445	-0.009314	-2.8957	-1.4377	0.2312	1.323	1.445	27.47
118P	-0.7578	1.566	-0.0144	-2.8817	-1.4344	0.2314	1.262	1.566	29.88
119P	-0.8183	1.686	-0.01945	-2.8596	-1.4436	0.2324	1.202	1.686	32.28
120P	-0.8798	1.806	-0.02445	-2.8457	-1.4323	0.2321	1.14	1.806	34.69
121P	-0.9397	1.925	-0.02942	-2.8222	-1.4273	0.2325	1.08	1.925	37.09
122P	-1.001	2.042	-0.03426	-2.7262	-1.4635	0.2367	1.019	2.042	39.5
123P	-1.014	2.065	-0.03525	-2.7115	-1.4591	0.2369	1.006	2.065	39.99
124P	-1.021	2.077	-0.03574	-2.7162	-1.4550	0.2366	0.9995	2.077	40.24
125P	-1.082	2.193	-0.04058	-2.7911	-1.4402	0.2339	0.9384	2.193	42.65
126P	-1.142	2.31	-0.04544	-2.8282	-1.4065	0.2313	0.8777	2.31	45.05
127P	-1.202	2.428	-0.05036	-2.7716	-1.4398	0.2343	0.8183	2.428	47.46
128P	-1.264	2.543	-0.05507	-2.7235	-1.4640	0.2367	0.7559	2.543	49.86
129P	-1.325	2.658	-0.05988	-2.7694	-1.4316	0.2340	0.695	2.658	52.27
130P	-1.386	2.775	-0.06466	-2.8163	-1.4208	0.2323	0.6343	2.775	54.68
131P	-1.446	2.894	-0.06961	-2.8137	-1.4340	0.2330	0.5743	2.894	57.08
132P	-1.507	3.01	-0.07436	-2.7172	-1.4656	0.2371	0.5125	3.01	59.49
133P	-1.52	3.033	-0.07533	-2.7233	-1.4589	0.2366	0.4997	3.033	59.98
134P	-1.527	3.045	-0.07581	-2.7470	-1.4552	0.2358	0.4933	3.045	60.23
135P	-1.588	3.165	-0.08063	-2.9396	-1.4371	0.2300	0.4321	3.165	62.64
136P	-1.649	3.29	-0.08545	-2.9815	-1.4412	0.2292	0.3712	3.29	65.04
137P	-1.71	3.415	-0.09032	-2.9868	-1.4424	0.2291	0.31	3.415	67.45
138P	-1.771	3.54	-0.09519	-2.9920	-1.4414	0.2289	0.2489	3.54	69.85
139P	-1.832	3.666	-0.1001	-3.0086	-1.4422	0.2285	0.1878	3.666	72.26
140P	-1.893	3.792	-0.105	-2.9930	-1.4422	0.2289	0.1267	3.792	74.66
141P	-1.954	3.917	-0.1098	-2.9743	-1.4416	0.2294	0.06556	3.917	77.07
142P	-2.016	4.042	-0.1146	-2.9992	-1.4414	0.2287	0.004464	4.042	79.48
143P	-2.028	4.068	-0.1156	-3.0015	-1.4414	0.2287	-0.008211	4.068	79.97
200P	0.07239	3.016	-2.854	0.0000	0.0000	0.0000	-3.968	3.016	59.87
1011	-0.02716	0.05938	0.01239	-3.0485	-1.4160	0.2527	-0.2522	-0.3303	1.142
1012	-0.02993	0.05803	-0.02876	-3.0440	-1.4423	0.2392	-0.2549	0.4477	1.101
1021	-0.05397	0.1181	0.02512	-3.0433	-1.4222	0.2565	-0.509	-0.67	2.275
1022	-0.05962	0.1154	-0.05805	-3.0391	-1.4424	0.2396	-0.5146	0.9035	2.192
1031	-0.08103	0.1774	0.03751	-3.0497	-1.4155	0.2616	-0.761	-1	3.418
1032	-0.08951	0.1733	-0.08676	-3.0387	-1.4393	0.2377	-0.7695	1.351	3.293
1041	-0.1078	0.2362	0.05027	-3.0433	-1.4371	0.2610	-1.018	-1.34	4.55
1042	-0.1192	0.2308	-0.1161	-3.0631	-1.4504	0.2358	-1.029	1.807	4.384
1051	-0.12	0.2624	0.05574	-3.0650	-1.4356	0.2584	-1.13	-1.487	5.056
1052	-0.1325	0.2567	-0.129	-3.0634	-1.4507	0.2355	-1.142	2.006	4.871
1061	-0.1263	0.2758	0.05517	-3.0762	-1.4298	0.2578	-1.136	-1.474	5.305
1062	-0.1389	0.27	-0.1295	-3.0569	-1.4471	0.2355	-1.149	2.019	5.12
1071	-0.1863	0.4024	0.04972	-3.0401	-1.4357	0.2590	-1.196	-1.347	7.68
1072	-0.1992	0.3963	-0.1346	-3.0449	-1.4366	0.2353	-1.209	2.146	7.495
1081	-0.2463	0.5274	0.04432	-3.0299	-1.4364	0.2593	-1.256	-1.222	10.04
1082	-0.259	0.5217	-0.1395	-3.0325	-1.4355	0.2355	-1.269	2.271	9.86
1091	-0.3065	0.6528	0.03883	-3.0232	-1.4380	0.2595	-1.316	-1.097	12.42
1092	-0.3192	0.647	-0.1444	-3.0230	-1.4383	0.2359	-1.329	2.396	12.24
1101	-0.3665	0.7769	0.03338	-3.0030	-1.4366	0.2600	-1.376	-0.9724	14.78
1102	-0.3792	0.7715	-0.1492	-3.0088	-1.4397	0.2363	-1.389	2.521	14.6
1111	-0.4265	0.9011	0.0279	-2.9917	-1.4294	0.2599	-1.437	-0.8483	17.16
1112	-0.4395	0.8955	-0.154	-2.9856	-1.4406	0.2369	-1.45	2.645	16.98
1121	-0.4862	1.024	0.02244	-2.9967	-1.4370	0.2601	-1.496	-0.725	19.52
1122	-0.4996	1.019	-0.1587	-2.9875	-1.4426	0.2370	-1.51	2.768	19.34
1131	-0.4988	1.05	0.02128	-2.9965	-1.4428	0.2604	-1.509	-0.699	20.02
1132	-0.5123	1.045	-0.1596	-2.9858	-1.4422	0.2370	-1.522	2.794	19.84
1141	-0.5052	1.063	0.02067	-2.9918	-1.4471	0.2608	-1.515	-0.6859	20.27

1142	-0.5186	1.058	-0.1601	-2.9809	-1.4411	0.2371	-1.529	2.807	20.09
1151	-0.567	1.188	0.01482	-2.9377	-1.4551	0.2626	-1.577	-0.5617	22.67
1152	-0.5795	1.182	-0.1648	-2.9486	-1.4324	0.2374	-1.59	2.931	22.5
1161	-0.6282	1.31	0.009075	-2.9182	-1.4337	0.2620	-1.638	-0.4392	25.08
1162	-0.6402	1.305	-0.1694	-2.9192	-1.4343	0.2382	-1.65	3.054	24.9
1171	-0.6888	1.432	0.003382	-2.9013	-1.4268	0.2620	-1.699	-0.3171	27.48
1172	-0.7012	1.427	-0.1739	-2.8999	-1.4382	0.2389	-1.711	3.176	27.31
1181	-0.7494	1.553	-0.002224	-2.8760	-1.4345	0.2630	-1.759	-0.1962	29.89
1182	-0.7621	1.548	-0.1785	-2.8793	-1.4358	0.2393	-1.772	3.298	29.71
1191	-0.8106	1.673	-0.007766	-2.8561	-1.4516	0.2644	-1.821	-0.07592	32.29
1192	-0.8229	1.668	-0.183	-2.8561	-1.4358	0.2399	-1.833	3.418	32.12
1201	-0.8723	1.793	-0.01325	-2.8626	-1.4532	0.2642	-1.882	0.04358	34.7
1202	-0.884	1.788	-0.1876	-2.8412	-1.4469	0.2408	-1.894	3.537	34.52
1211	-0.9333	1.913	-0.01867	-2.8438	-1.4193	0.2630	-1.943	0.1637	37.1
1212	-0.9454	1.907	-0.1921	-2.8267	-1.4452	0.2411	-1.955	3.656	36.93
1221	-0.9932	2.03	-0.02383	-2.7070	-1.4236	0.2665	-2.003	0.2803	39.51
1222	-1.006	2.024	-0.1967	-2.7508	-1.4061	0.2411	-2.016	3.773	39.33
1231	-1.006	2.053	-0.02486	-2.6926	-1.4318	0.2673	-2.016	0.3037	40.01
1232	-1.018	2.048	-0.1976	-2.7376	-1.4013	0.2412	-2.028	3.797	39.83
1241	-1.012	2.065	-0.02537	-2.7040	-1.4330	0.2670	-2.022	0.3155	40.25
1242	-1.024	2.06	-0.1981	-2.7462	-1.4042	0.2411	-2.034	3.809	40.08
1251	-1.073	2.181	-0.0304	-2.8062	-1.4433	0.2650	-2.083	0.4315	42.66
1252	-1.085	2.177	-0.2027	-2.8093	-1.4368	0.2411	-2.095	3.926	42.49
1261	-1.134	2.299	-0.03544	-2.8085	-1.4525	0.2653	-2.144	0.5493	45.06
1262	-1.146	2.294	-0.2075	-2.7816	-1.4418	0.2420	-2.156	4.043	44.89
1271	-1.196	2.416	-0.04029	-2.7807	-1.4430	0.2656	-2.206	0.6665	47.47
1272	-1.207	2.41	-0.2123	-2.7783	-1.4330	0.2417	-2.217	4.16	47.3
1281	-1.257	2.532	-0.04498	-2.7784	-1.4365	0.2653	-2.267	0.7828	49.88
1282	-1.267	2.527	-0.2173	-2.7877	-1.4255	0.2411	-2.277	4.277	49.7
1291	-1.318	2.649	-0.04952	-2.7897	-1.4545	0.2659	-2.328	0.8996	52.28
1292	-1.328	2.644	-0.2224	-2.7896	-1.4268	0.2411	-2.338	4.393	52.11
1301	-1.38	2.766	-0.05398	-2.8323	-1.4647	0.2652	-2.39	1.017	54.69
1302	-1.388	2.761	-0.2278	-2.8042	-1.4431	0.2415	-2.398	4.511	54.51
1311	-1.442	2.886	-0.05834	-2.8479	-1.4352	0.2633	-2.452	1.137	57.09
1312	-1.45	2.879	-0.2333	-2.8294	-1.4408	0.2407	-2.46	4.629	56.92
1321	-1.503	3.003	-0.06239	-2.7077	-1.4497	0.2675	-2.513	1.254	59.5
1322	-1.51	2.997	-0.239	-2.7496	-1.3930	0.2404	-2.52	4.746	59.32
1331	-1.515	3.027	-0.06317	-2.7141	-1.4549	0.2676	-2.525	1.277	60
1332	-1.522	3.021	-0.2402	-2.7493	-1.3943	0.2404	-2.532	4.77	59.82
1341	-1.522	3.038	-0.06358	-2.7456	-1.4509	0.2666	-2.532	1.289	60.25
1342	-1.528	3.033	-0.2407	-2.7725	-1.4031	0.2403	-2.538	4.782	60.07
1351	-1.583	3.159	-0.06776	-2.9556	-1.4352	0.2605	-2.593	1.41	62.65
1352	-1.589	3.154	-0.2463	-2.9492	-1.4479	0.2380	-2.599	4.903	62.47
1361	-1.644	3.284	-0.07206	-2.9739	-1.4434	0.2605	-2.654	1.534	65.06
1362	-1.65	3.278	-0.2517	-2.9763	-1.4380	0.2368	-2.66	5.027	64.88
1371	-1.705	3.409	-0.07651	-2.9873	-1.4398	0.2600	-2.715	1.659	67.46
1372	-1.711	3.403	-0.257	-2.9853	-1.4405	0.2367	-2.721	5.152	67.28
1381	-1.766	3.534	-0.0811	-2.9946	-1.4390	0.2597	-2.776	1.785	69.87
1382	-1.772	3.528	-0.2622	-2.9948	-1.4435	0.2366	-2.782	5.278	69.69
1391	-1.827	3.66	-0.08581	-3.0017	-1.4447	0.2599	-2.837	1.91	72.27
1392	-1.833	3.654	-0.2672	-3.0005	-1.4374	0.2362	-2.843	5.403	72.09
1401	-1.889	3.786	-0.09064	-2.9938	-1.4396	0.2598	-2.899	2.036	74.68
1402	-1.894	3.78	-0.2722	-2.9925	-1.4415	0.2366	-2.904	5.529	74.5
1411	-1.949	3.911	-0.09543	-2.9815	-1.4355	0.2599	-2.959	2.161	77.08
1412	-1.956	3.905	-0.2771	-2.9811	-1.4450	0.2370	-2.966	5.654	76.9
1421	-2.011	4.036	-0.1002	-2.9901	-1.4447	0.2601	-3.021	2.287	79.49
1422	-2.017	4.03	-0.2819	-2.9885	-1.4371	0.2364	-3.027	5.779	79.31
1431	-2.023	4.062	-0.1012	-2.9920	-1.4447	0.2601	-3.033	2.313	79.99
1432	-2.029	4.056	-0.2829	-2.9902	-1.4371	0.2364	-3.039	5.805	79.81
2001	-2.223	1.823	-2.76	0.0000	0.0000	0.0000	-0.2032	5.322	59.96
2002	-2.338	4.453	-2.685	0.0000	0.0000	0.0000	-0.3177	0.9544	60.03
$Gnd1	0	0	0	0.0000	0.0000	0.0000	80	0	-3
$Gnd3	0	0	0	0.0000	0.0000	0.0000	-28	48.6	-3
$Gnd5	0	0	0	0.0000	0.0000	0.0000	-38.3	-66.3	-3

Joint Support Reactions for Load Case "LC5: DL + WI (Ice)":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Horz. Shear Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
100P	-0.75	0.0	-1.68	0.0	0.0	31.49	0.0	0.0	31.55	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd1	8.27	0.0	-0.64	0.0	0.0	-6.39	0.0	0.0	10.47	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd3	-0.12	0.0	0.00	0.0	0.0	-0.22	0.0	0.0	0.26	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd5	-7.38	0.0	-14.14	0.0	0.0	-12.73	0.0	0.0	20.41	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "LC5: DL + WI (Ice)":

Joint Label	X External Load	Y External Load	Z External Load	X Member Force	Y Member Force	Z Member Force	X Disp.	Y Disp.	Z Disp.

	(kips)	(kips)	(kips)	(kips)	(kips)	(kips)	(ft)	(ft)	(ft)
100P	0.0000	0.0249	-0.0354	0.7481	1.6600	-31.4558	0.0000	0.0000	0.0000
101P	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.0290	0.0620	0.0088
102P	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.0577	0.1235	0.0179
103P	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.0866	0.1854	0.0267
104P	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.1152	0.2470	0.0357
105P	0.0000	0.1099	-0.0782	0.0000	-0.1099	0.0782	-0.1276	0.2747	0.0394
106P	0.0000	0.0849	-0.0428	-0.0000	-0.0850	0.0428	-0.1339	0.2880	0.0389
107P	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.1943	0.4148	0.0336
108P	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.2546	0.5403	0.0284
109P	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.3145	0.6656	0.0232
110P	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.3747	0.7898	0.0181
111P	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.4348	0.9139	0.0130
112P	0.0000	0.0977	-0.0556	0.0000	-0.0977	0.0556	-0.4950	1.0372	0.0079
113P	0.0000	0.1731	-0.0837	0.0000	-0.1731	0.0837	-0.5076	1.0632	0.0068
114P	0.0000	0.1085	-0.0509	-0.0000	-0.1085	0.0509	-0.5139	1.0761	0.0062
115P	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.5745	1.2003	0.0010
116P	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.6359	1.3231	-0.0042
117P	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.6966	1.4449	-0.0093
118P	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.7578	1.5660	-0.0144
119P	0.0000	0.1849	-0.0829	0.0000	-0.1849	0.0829	-0.8183	1.6864	-0.0195
120P	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.8798	1.8059	-0.0245
121P	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.9397	1.9249	-0.0294
122P	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-1.0013	2.0416	-0.0343
123P	0.0000	0.1697	-0.0811	0.0000	-0.1697	0.0811	-1.0141	2.0652	-0.0352
124P	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.0205	2.0770	-0.0357
125P	0.0000	0.0816	-0.0402	0.0000	-0.0816	0.0402	-1.0816	2.1925	-0.0406
126P	0.0000	0.0816	-0.0402	0.0000	-0.0816	0.0402	-1.1423	2.3105	-0.0454
127P	0.0000	0.5057	-0.2318	-0.0000	-0.5057	0.2318	-1.2017	2.4284	-0.0504
128P	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.2641	2.5430	-0.0551
129P	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.3250	2.6581	-0.0599
130P	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.3857	2.7753	-0.0647
131P	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.4457	2.8936	-0.0696
132P	0.0000	0.0816	-0.0402	0.0000	-0.0816	0.0402	-1.5075	3.0099	-0.0744
133P	0.0000	0.1758	-0.1049	0.0000	-0.1758	0.1049	-1.5203	3.0335	-0.0753
134P	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.5267	3.0453	-0.0758
135P	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.5879	3.1654	-0.0806
136P	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.6488	3.2898	-0.0855
137P	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.7100	3.4149	-0.0903
138P	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.7711	3.5404	-0.0952
139P	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.8322	3.6661	-0.1001
140P	0.0000	1.0782	-1.5757	-0.0000	-1.0782	1.5757	-1.8933	3.7923	-0.1050
141P	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.9544	3.9171	-0.1098
142P	0.0000	0.0942	-0.0647	0.0000	-0.0942	0.0647	-2.0155	4.0423	-0.1146
143P	0.0000	0.1319	-0.0947	-0.0000	-0.1319	0.0947	-2.0282	4.0685	-0.1156
200P	0.0000	0.0942	-0.0647	0.0000	-0.0942	0.0647	0.0724	3.0159	-2.8541
1011	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.0272	0.0594	0.0124
1012	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.0299	0.0580	-0.0288
1021	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.0540	0.1181	0.0251
1022	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.0596	0.1154	-0.0581
1031	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.0810	0.1774	0.0375
1032	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.0895	0.1733	-0.0868
1041	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.1078	0.2362	0.0503
1042	0.0000	0.0249	-0.0354	0.0000	-0.0249	0.0354	-0.1192	0.2308	-0.1161
1051	0.0000	0.1099	-0.0782	0.0000	-0.1099	0.0782	-0.1200	0.2624	0.0557
1052	0.0000	0.1099	-0.0782	0.0000	-0.1099	0.0782	-0.1325	0.2567	-0.1290
1061	0.0000	0.0849	-0.0428	-0.0000	-0.0850	0.0428	-0.1263	0.2758	0.0552
1062	0.0000	0.0849	-0.0428	-0.0000	-0.0850	0.0428	-0.1389	0.2700	-0.1295
1071	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.1863	0.4024	0.0497
1072	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.1992	0.3963	-0.1346
1081	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.2463	0.5274	0.0443
1082	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.2590	0.5217	-0.1395
1091	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.3065	0.6528	0.0388
1092	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.3192	0.6470	-0.1444
1101	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.3665	0.7769	0.0334
1102	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.3792	0.7715	-0.1492
1111	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.4265	0.9011	0.0279
1112	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.4395	0.8955	-0.1540
1121	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.4862	1.0243	0.0224
1122	0.0000	0.0849	-0.0428	0.0000	-0.0849	0.0428	-0.4996	1.0186	-0.1587
1131	0.0000	0.1731	-0.0837	0.0000	-0.1731	0.0837	-0.4988	1.0504	0.0213
1132	0.0000	0.1731	-0.0837	0.0000	-0.1731	0.0837	-0.5123	1.0446	-0.1596
1141	0.0000	0.0881	-0.0409	-0.0000	-0.0881	0.0409	-0.5052	1.0634	0.0207
1142	0.0000	0.0881	-0.0409	-0.0000	-0.0881	0.0409	-0.5186	1.0576	-0.1601
1151	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.5670	1.1877	0.0148
1152	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.5795	1.1818	-0.1648
1161	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.6282	1.3101	0.0091
1162	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.6402	1.3050	-0.1694
1171	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.6888	1.4323	0.0034
1172	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.7012	1.4268	-0.1739

1181	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.7494	1.5532	-0.0022
1182	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.7621	1.5482	-0.1785
1191	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.8106	1.6734	-0.0078
1192	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.8229	1.6682	-0.1830
1201	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.8723	1.7929	-0.0133
1202	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.8840	1.7878	-0.1876
1211	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.9333	1.9130	-0.0187
1212	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.9454	1.9065	-0.1921
1221	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-0.9932	2.0297	-0.0238
1222	0.0000	0.0881	-0.0409	0.0000	-0.0881	0.0409	-1.0059	2.0240	-0.1967
1231	0.0000	0.1697	-0.0811	0.0000	-0.1697	0.0811	-1.0058	2.0531	-0.0249
1232	0.0000	0.1697	-0.0811	0.0000	-0.1697	0.0811	-1.0183	2.0479	-0.1976
1241	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.0121	2.0648	-0.0254
1242	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.0244	2.0598	-0.1981
1251	0.0000	0.0816	-0.0402	0.0000	-0.0816	0.0402	-1.0730	2.1808	-0.0304
1252	0.0000	0.0816	-0.0402	0.0000	-0.0816	0.0402	-1.0847	2.1768	-0.2027
1261	0.0000	0.0816	-0.0402	0.0000	-0.0816	0.0402	-1.1345	2.2987	-0.0354
1262	0.0000	0.0816	-0.0402	0.0000	-0.0816	0.0402	-1.1458	2.2941	-0.2075
1271	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.1959	2.4158	-0.0403
1272	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.2067	2.4103	-0.2123
1281	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.2569	2.5321	-0.0450
1282	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.2673	2.5272	-0.2173
1291	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.3181	2.6490	-0.0495
1292	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.3276	2.6440	-0.2224
1301	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.3801	2.7665	-0.0540
1302	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.3884	2.7613	-0.2278
1311	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.4418	2.8861	-0.0583
1312	0.0000	0.0816	-0.0402	-0.0000	-0.0816	0.0402	-1.4496	2.8792	-0.2333
1321	0.0000	0.0816	-0.0402	0.0000	-0.0816	0.0402	-1.5025	3.0031	-0.0624
1322	0.0000	0.0816	-0.0402	0.0000	-0.0816	0.0402	-1.5098	2.9970	-0.2390
1331	0.0000	0.1758	-0.1049	0.0000	-0.1758	0.1049	-1.5153	3.0266	-0.0632
1332	0.0000	0.1758	-0.1049	0.0000	-0.1758	0.1049	-1.5220	3.0208	-0.2402
1341	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.5217	3.0384	-0.0636
1342	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.5281	3.0328	-0.2407
1351	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.5826	3.1593	-0.0678
1352	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.5890	3.1536	-0.2463
1361	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.6438	3.2837	-0.0721
1362	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.6501	3.2780	-0.2517
1371	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.7050	3.4087	-0.0765
1372	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.7111	3.4029	-0.2570
1381	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.7661	3.5341	-0.0811
1382	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.7722	3.5283	-0.2622
1391	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.8272	3.6598	-0.0858
1392	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.8334	3.6540	-0.2672
1401	0.0000	1.0886	-1.5757	-0.0000	-1.0886	1.5757	-1.8885	3.7857	-0.0906
1402	0.0000	1.0886	-1.5757	-0.0000	-1.0886	1.5757	-1.8942	3.7798	-0.2722
1411	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.9494	3.9108	-0.0954
1412	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-1.9556	3.9050	-0.2771
1421	0.0000	0.0942	-0.0647	0.0000	-0.0942	0.0647	-2.0105	4.0360	-0.1002
1422	0.0000	0.0942	-0.0647	0.0000	-0.0942	0.0647	-2.0166	4.0301	-0.2819
1431	0.0000	0.1087	-0.0812	-0.0000	-0.1087	0.0812	-2.0233	4.0620	-0.1012
1432	0.0000	0.0942	-0.0647	-0.0000	-0.0942	0.0647	-2.0292	4.0561	-0.2829
2001	0.0000	0.0942	-0.0647	0.0000	-0.0942	0.0647	-2.2232	1.8232	-2.7600
2002	0.0000	0.0942	-0.0647	0.0000	-0.0942	0.0647	-2.3377	4.4531	-2.6852

EIA Summary of Guy Tensions and Usages for Load Case "LC5: DL + WI (Ice)":

Guy Label	Max. Tension (kips)	Allowable Tension (kips)	Factored Allowable (kips)	Usage %	Top Tension (kips)	Anchor Tension (kips)	Intercept Distance (ft)
Guy1a	5.32	10.82	10.82	49.19	5.32	5.26	0.40
Guy1b	5.28	10.82	10.82	48.80	5.28	5.22	0.40
Guy1c	0.20	10.82	10.82	1.81	0.20	0.13	9.82
Guy1d	0.18	10.82	10.82	1.69	0.18	0.12	10.74
Guy1e	10.02	10.82	10.82	92.63	10.02	9.96	0.20
Guy1f	10.52	10.82	10.82	97.25	10.52	10.46	0.19

*** Analysis Results for Load Case No. 6 "LC6: DL + WI (Ice)" - Number of iterations in SAPS 39

Equilibrium Joint Positions and Rotations for Load Case "LC6: DL + WI (Ice)":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
100P	0	0	0	2.8740	-1.7528	-0.2734	0	0	0
101P	-0.03513	-0.05894	0.01116	2.8551	-1.7768	-0.2642	0.4149	-0.05894	1.141
102P	-0.06988	-0.1174	0.02263	2.8586	-1.7669	-0.2614	0.8401	-0.1174	2.273
103P	-0.1049	-0.1762	0.03377	2.8549	-1.7749	-0.2567	1.255	-0.1762	3.414
104P	-0.1397	-0.2346	0.04525	2.8627	-1.7600	-0.2552	1.68	-0.2346	4.545
105P	-0.1551	-0.2607	0.05017	2.8688	-1.7756	-0.2568	1.865	-0.2607	5.05
106P	-0.163	-0.2732	0.04961	2.8694	-1.7856	-0.2572	1.857	-0.2732	5.3
107P	-0.2369	-0.3918	0.04424	2.8627	-1.7530	-0.2558	1.783	-0.3918	7.674
108P	-0.3095	-0.5097	0.03889	2.8651	-1.7401	-0.2551	1.71	-0.5097	10.04
109P	-0.3821	-0.6284	0.03345	2.8692	-1.7324	-0.2546	1.638	-0.6284	12.41
110P	-0.4539	-0.7465	0.02801	2.8664	-1.7161	-0.2538	1.566	-0.7465	14.78
111P	-0.5254	-0.8651	0.02253	2.8637	-1.7041	-0.2533	1.495	-0.8651	17.15
112P	-0.5963	-0.9832	0.01705	2.8708	-1.7046	-0.2531	1.424	-0.9832	19.52
113P	-0.6113	-1.008	0.01589	2.8754	-1.7003	-0.2527	1.409	-1.008	20.02
114P	-0.6187	-1.021	0.01528	2.8781	-1.6930	-0.2523	1.401	-1.021	20.27
115P	-0.6892	-1.141	0.009405	2.8739	-1.6452	-0.2500	1.331	-1.141	22.67
116P	-0.7585	-1.261	0.003604	2.8623	-1.6308	-0.2496	1.262	-1.261	25.07
117P	-0.8272	-1.381	-0.002159	2.8617	-1.6148	-0.2488	1.193	-1.381	27.48
118P	-0.8952	-1.501	-0.007865	2.8684	-1.5936	-0.2475	1.125	-1.501	29.88
119P	-0.9621	-1.622	-0.01353	2.8748	-1.5631	-0.2458	1.058	-1.622	32.29
120P	-1.028	-1.742	-0.01911	2.8823	-1.5591	-0.2454	0.9921	-1.742	34.69
121P	-1.094	-1.863	-0.02464	2.8636	-1.5595	-0.2459	0.9258	-1.863	37.1
122P	-1.158	-1.982	-0.02995	2.8266	-1.4407	-0.2410	0.8616	-1.982	39.5
123P	-1.171	-2.007	-0.03101	2.8281	-1.4211	-0.2400	0.8491	-2.007	40
124P	-1.177	-2.019	-0.03155	2.8314	-1.4297	-0.2403	0.8429	-2.019	40.25
125P	-1.24	-2.139	-0.03672	2.8747	-1.5114	-0.2432	0.7801	-2.139	42.65
126P	-1.304	-2.26	-0.04188	2.9071	-1.5212	-0.2429	0.7158	-2.26	45.06
127P	-1.368	-2.381	-0.0469	2.8704	-1.4908	-0.2423	0.6517	-2.381	47.46
128P	-1.431	-2.501	-0.05161	2.8418	-1.4787	-0.2424	0.5892	-2.501	49.87
129P	-1.494	-2.62	-0.0562	2.8736	-1.5011	-0.2427	0.5259	-2.62	52.27
130P	-1.558	-2.742	-0.06068	2.9009	-1.5264	-0.2432	0.4619	-2.742	54.68
131P	-1.624	-2.863	-0.06502	2.8776	-1.5547	-0.2453	0.3965	-2.863	57.08
132P	-1.688	-2.983	-0.06903	2.8434	-1.4274	-0.2399	0.3323	-2.983	59.49
133P	-1.7	-3.008	-0.06981	2.8501	-1.4282	-0.2398	0.3199	-3.008	59.99
134P	-1.706	-3.02	-0.07023	2.8556	-1.4593	-0.2412	0.3136	-3.02	60.24
135P	-1.774	-3.141	-0.07439	2.8850	-1.6672	-0.2508	0.2459	-3.141	62.65
136P	-1.845	-3.261	-0.07871	2.8832	-1.6834	-0.2516	0.175	-3.261	65.05
137P	-1.917	-3.382	-0.08318	2.8844	-1.6973	-0.2523	0.1033	-3.382	67.46
138P	-1.989	-3.503	-0.0878	2.8849	-1.7056	-0.2527	0.03127	-3.503	69.86
139P	-2.061	-3.624	-0.09256	2.8859	-1.7090	-0.2529	-0.04107	-3.624	72.27
140P	-2.133	-3.745	-0.09743	2.8849	-1.7042	-0.2526	-0.1134	-3.745	74.67
141P	-2.205	-3.866	-0.1023	2.8835	-1.6942	-0.2522	-0.1853	-3.866	77.08
142P	-2.277	-3.987	-0.1072	2.8849	-1.6990	-0.2524	-0.2571	-3.987	79.48
143P	-2.292	-4.012	-0.1082	2.8850	-1.7013	-0.2525	-0.272	-4.012	79.98
200P	-0.5506	-2.996	-2.587	0.0000	0.0000	0.0000	-4.591	-2.996	60.13
1011	-0.03615	-0.05459	-0.02882	2.8755	-1.7519	-0.2720	-0.2612	-0.4443	1.101
1012	-0.03305	-0.05583	0.01023	2.8904	-1.7219	-0.2837	-0.258	0.3339	1.14
1021	-0.07193	-0.1086	-0.05817	2.8733	-1.7482	-0.2704	-0.5269	-0.8967	2.192
1022	-0.06566	-0.1111	0.02078	2.8859	-1.7278	-0.2880	-0.5207	0.677	2.271
1031	-0.108	-0.1632	-0.08694	2.8697	-1.7490	-0.2709	-0.788	-1.341	3.293
1032	-0.09861	-0.1669	0.03102	2.8891	-1.7266	-0.2927	-0.7786	1.011	3.411
1041	-0.1439	-0.2171	-0.1163	2.8771	-1.7661	-0.2755	-1.054	-1.793	4.384
1042	-0.1314	-0.2221	0.0415	2.8699	-1.7614	-0.2917	-1.041	1.354	4.541
1051	-0.16	-0.2413	-0.1291	2.8716	-1.7676	-0.2772	-1.17	-1.991	4.871
1052	-0.1464	-0.2466	0.04591	2.8679	-1.7752	-0.2901	-1.156	1.503	5.046
1061	-0.1678	-0.2538	-0.1297	2.8664	-1.7641	-0.2772	-1.178	-2.003	5.12
1062	-0.1542	-0.259	0.04537	2.8717	-1.7738	-0.2899	-1.164	1.49	5.295
1071	-0.2414	-0.3723	-0.1347	2.8702	-1.7574	-0.2767	-1.251	-2.122	7.495
1072	-0.2281	-0.3779	0.04033	2.8776	-1.7539	-0.2887	-1.238	1.371	7.67
1081	-0.3144	-0.4907	-0.1397	2.8678	-1.7423	-0.2760	-1.324	-2.24	9.86
1082	-0.3008	-0.4964	0.03533	2.8692	-1.7410	-0.2883	-1.311	1.253	10.04
1091	-0.3869	-0.6092	-0.1446	2.8688	-1.7309	-0.2754	-1.397	-2.359	12.24
1092	-0.3735	-0.6149	0.03041	2.8670	-1.7292	-0.2878	-1.384	1.134	12.41
1101	-0.4589	-0.7276	-0.1495	2.8722	-1.7171	-0.2746	-1.469	-2.477	14.6
1102	-0.4452	-0.7332	0.02551	2.8703	-1.7122	-0.2868	-1.455	1.016	14.78
1111	-0.5302	-0.8463	-0.1544	2.8679	-1.6944	-0.2736	-1.54	-2.596	16.98
1112	-0.5166	-0.8519	0.02065	2.8685	-1.6996	-0.2862	-1.527	0.8975	17.15
1121	-0.6007	-0.9645	-0.1592	2.8684	-1.6953	-0.2736	-1.611	-2.714	19.34
1122	-0.5873	-0.9701	0.01582	2.8671	-1.7012	-0.2863	-1.597	0.7792	19.52
1131	-0.6156	-0.9895	-0.1602	2.8666	-1.6940	-0.2736	-1.626	-2.739	19.84
1132	-0.6023	-0.995	0.01481	2.8648	-1.7021	-0.2864	-1.612	0.7543	20.01
1141	-0.6231	-1.002	-0.1607	2.8651	-1.6905	-0.2735	-1.633	-2.751	20.09

1142	-0.6098	-1.007	0.0143	2.8643	-1.6991	-0.2863	-1.62	0.7419	20.26
1151	-0.6941	-1.122	-0.1655	2.8689	-1.6645	-0.2720	-1.704	-2.871	22.49
1152	-0.6809	-1.128	0.00943	2.8757	-1.6518	-0.2836	-1.691	0.6217	22.67
1161	-0.764	-1.242	-0.1704	2.8666	-1.6300	-0.2704	-1.774	-2.992	24.9
1162	-0.7501	-1.248	0.0046	2.8678	-1.6255	-0.2825	-1.76	0.5012	25.07
1171	-0.8324	-1.362	-0.1752	2.8680	-1.6067	-0.2692	-1.842	-3.112	27.3
1172	-0.8189	-1.368	-0.0001934	2.8621	-1.6076	-0.2817	-1.829	0.3813	27.48
1181	-0.9003	-1.483	-0.18	2.8686	-1.5893	-0.2683	-1.91	-3.232	29.71
1182	-0.8864	-1.488	-0.004969	2.8672	-1.5854	-0.2805	-1.896	0.2611	29.89
1191	-0.9672	-1.603	-0.1847	2.8680	-1.5728	-0.2675	-1.977	-3.352	32.12
1192	-0.9534	-1.608	-0.009764	2.8773	-1.5708	-0.2794	-1.963	0.141	32.29
1201	-1.034	-1.723	-0.1896	2.8663	-1.5534	-0.2665	-2.044	-3.472	34.52
1202	-1.02	-1.729	-0.01457	2.8684	-1.5752	-0.2799	-2.03	0.02023	34.7
1211	-1.099	-1.843	-0.1943	2.8692	-1.5276	-0.2652	-2.109	-3.592	36.93
1212	-1.087	-1.849	-0.01938	2.8554	-1.5442	-0.2787	-2.097	-0.0994	37.1
1221	-1.163	-1.964	-0.1992	2.8672	-1.4679	-0.2622	-2.173	-3.713	39.33
1222	-1.15	-1.969	-0.02412	2.8804	-1.4256	-0.2721	-2.16	-0.2196	39.51
1231	-1.176	-1.988	-0.2002	2.8627	-1.4581	-0.2618	-2.186	-3.738	39.83
1232	-1.162	-1.994	-0.02511	2.8797	-1.4155	-0.2716	-2.172	-0.2447	40
1241	-1.182	-2.001	-0.2007	2.8634	-1.4648	-0.2621	-2.192	-3.75	40.08
1242	-1.168	-2.007	-0.0256	2.8757	-1.4253	-0.2722	-2.178	-0.2572	40.25
1251	-1.246	-2.121	-0.2055	2.8719	-1.5165	-0.2645	-2.256	-3.871	42.48
1252	-1.231	-2.127	-0.03042	2.8620	-1.5116	-0.2768	-2.241	-0.3772	42.66
1261	-1.31	-2.241	-0.2105	2.8636	-1.4953	-0.2636	-2.32	-3.991	44.89
1262	-1.295	-2.247	-0.03529	2.8696	-1.5175	-0.2769	-2.305	-0.4974	45.06
1271	-1.373	-2.361	-0.2154	2.8713	-1.4881	-0.2631	-2.383	-4.111	47.29
1272	-1.359	-2.367	-0.04029	2.8723	-1.4903	-0.2755	-2.369	-0.6177	47.47
1281	-1.436	-2.482	-0.2205	2.8749	-1.4916	-0.2631	-2.446	-4.231	49.7
1282	-1.422	-2.487	-0.04525	2.8685	-1.4811	-0.2751	-2.432	-0.7381	49.87
1291	-1.499	-2.602	-0.2257	2.8735	-1.5013	-0.2637	-2.509	-4.352	52.1
1292	-1.485	-2.608	-0.05038	2.8800	-1.4985	-0.2756	-2.495	-0.8583	52.28
1301	-1.563	-2.723	-0.231	2.8682	-1.5139	-0.2644	-2.573	-4.472	54.51
1302	-1.55	-2.729	-0.05557	2.8732	-1.5465	-0.2782	-2.56	-0.9792	54.68
1311	-1.627	-2.843	-0.2363	2.8775	-1.5254	-0.2647	-2.637	-4.592	56.91
1312	-1.616	-2.848	-0.06094	2.8646	-1.5447	-0.2784	-2.626	-1.099	57.09
1321	-1.692	-2.964	-0.2419	2.8776	-1.4661	-0.2617	-2.702	-4.713	59.32
1322	-1.679	-2.969	-0.06628	2.9001	-1.4248	-0.2714	-2.689	-1.22	59.49
1331	-1.704	-2.989	-0.2431	2.8733	-1.4681	-0.2619	-2.714	-4.738	59.82
1332	-1.692	-2.995	-0.0674	2.8980	-1.4344	-0.2719	-2.702	-1.245	59.99
1341	-1.711	-3.001	-0.2436	2.8753	-1.4877	-0.2629	-2.721	-4.751	60.07
1342	-1.698	-3.007	-0.06793	2.8927	-1.4609	-0.2734	-2.708	-1.258	60.24
1351	-1.778	-3.122	-0.249	2.8864	-1.6526	-0.2709	-2.788	-4.872	62.47
1352	-1.765	-3.128	-0.07323	2.8743	-1.6574	-0.2837	-2.775	-1.378	62.65
1361	-1.849	-3.243	-0.2543	2.8820	-1.6903	-0.2729	-2.859	-4.992	64.88
1362	-1.836	-3.248	-0.07843	2.8878	-1.6882	-0.2849	-2.846	-1.499	65.05
1371	-1.921	-3.364	-0.2595	2.8836	-1.6962	-0.2731	-2.931	-5.113	67.28
1372	-1.908	-3.369	-0.08359	2.8861	-1.6955	-0.2853	-2.918	-1.62	67.46
1381	-1.993	-3.485	-0.2646	2.8872	-1.7028	-0.2734	-3.003	-5.234	69.69
1382	-1.98	-3.49	-0.0887	2.8840	-1.7019	-0.2857	-2.99	-1.741	69.86
1391	-2.065	-3.606	-0.2697	2.8813	-1.7150	-0.2741	-3.075	-5.355	72.09
1392	-2.052	-3.611	-0.09376	2.8907	-1.7147	-0.2861	-3.062	-1.862	72.27
1401	-2.138	-3.726	-0.2747	2.8849	-1.7025	-0.2734	-3.148	-5.476	74.5
1402	-2.125	-3.732	-0.09879	2.8859	-1.7017	-0.2856	-3.135	-1.983	74.67
1411	-2.209	-3.847	-0.2796	2.8881	-1.6871	-0.2725	-3.219	-5.597	76.9
1412	-2.196	-3.853	-0.1037	2.8811	-1.6858	-0.2849	-3.206	-2.104	77.08
1421	-2.281	-3.968	-0.2845	2.8805	-1.7043	-0.2736	-3.291	-5.718	79.31
1422	-2.268	-3.974	-0.1086	2.8894	-1.7032	-0.2856	-3.278	-2.225	79.48
1431	-2.296	-3.993	-0.2855	2.8806	-1.7062	-0.2737	-3.306	-5.743	79.8
1432	-2.283	-3.999	-0.1096	2.8894	-1.7048	-0.2857	-3.293	-2.25	79.98
2001	-2.503	-4.417	-2.675	0.0000	0.0000	0.0000	-0.4832	-0.9187	60.04
2002	-2.508	-1.605	-2.874	0.0000	0.0000	0.0000	-0.4883	-5.104	59.85
$Gnd1	0	0	0	0.0000	0.0000	0.0000	80	0	-3
$Gnd3	0	0	0	0.0000	0.0000	0.0000	-28	48.6	-3
$Gnd5	0	0	0	0.0000	0.0000	0.0000	-38.3	-66.3	-3

Joint Support Reactions for Load Case "LC6: DL + WI (Ice)":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Horz. Shear Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
100P	2.56	0.0	-1.15	0.0	0.0	24.18	0.0	0.0	24.34	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd1	13.99	0.0	0.52	0.0	0.0	-10.69	0.0	0.0	17.61	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd3	-0.23	0.0	0.97	0.0	0.0	-1.13	0.0	0.0	1.51	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0
$Gnd5	0.05	0.0	-0.40	0.0	0.0	-0.31	0.0	0.0	0.50	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "LC6: DL + WI (Ice)":

Joint Label	X External Load	Y External Load	Z External Load	X Member Force	Y Member Force	Z Member Force	X Disp.	Y Disp.	Z Disp.

	(kips)	(kips)	(kips)	(kips)	(kips)	(kips)	(ft)	(ft)	(ft)
100P	-0.0249	0.0000	-0.0354	-2.5319	1.1528	-24.1404	0.0000	0.0000	0.0000
101P	-0.0249	0.0000	-0.0354	0.0249	0.0000	0.0354	-0.0351	-0.0589	0.0112
102P	-0.0249	0.0000	-0.0354	0.0249	0.0000	0.0354	-0.0699	-0.1174	0.0226
103P	-0.0249	0.0000	-0.0354	0.0249	0.0000	0.0354	-0.1049	-0.1762	0.0338
104P	-0.0249	0.0000	-0.0354	0.0249	-0.0000	0.0354	-0.1397	-0.2346	0.0453
105P	-0.1099	0.0000	-0.0782	0.1099	-0.0000	0.0782	-0.1551	-0.2607	0.0502
106P	-0.0849	0.0000	-0.0428	0.0849	0.0000	0.0428	-0.1630	-0.2732	0.0496
107P	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.2369	-0.3918	0.0442
108P	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.3095	-0.5097	0.0389
109P	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.3821	-0.6284	0.0334
110P	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.4539	-0.7465	0.0280
111P	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.5254	-0.8651	0.0225
112P	-0.0977	0.0000	-0.0556	0.0977	-0.0000	0.0556	-0.5963	-0.9832	0.0171
113P	-0.1731	0.0000	-0.0837	0.1731	0.0000	0.0837	-0.6113	-1.0082	0.0159
114P	-0.1085	0.0000	-0.0509	0.1085	0.0000	0.0509	-0.6187	-1.0207	0.0153
115P	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.6892	-1.1414	0.0094
116P	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.7585	-1.2614	0.0036
117P	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-0.8272	-1.3814	-0.0022
118P	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-0.8952	-1.5013	-0.0079
119P	-0.1849	0.0000	-0.0829	0.1849	-0.0000	0.0829	-0.9621	-1.6218	-0.0135
120P	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-1.0279	-1.7423	-0.0191
121P	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-1.0942	-1.8630	-0.0246
122P	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-1.1584	-1.9821	-0.0299
123P	-0.1697	0.0000	-0.0811	0.1697	-0.0000	0.0811	-1.1709	-2.0067	-0.0310
124P	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.1771	-2.0190	-0.0315
125P	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.2399	-2.1385	-0.0367
126P	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.3042	-2.2598	-0.0419
127P	-0.5057	0.0000	-0.2318	0.5057	-0.0000	0.2318	-1.3683	-2.3813	-0.0469
128P	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.4308	-2.5006	-0.0516
129P	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.4941	-2.6205	-0.0562
130P	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.5581	-2.7416	-0.0607
131P	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.6235	-2.8631	-0.0650
132P	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.6877	-2.9828	-0.0690
133P	-0.1753	0.0000	-0.1049	0.1753	-0.0000	0.1049	-1.7001	-3.0075	-0.0698
134P	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.7064	-3.0199	-0.0702
135P	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.7741	-3.1405	-0.0744
136P	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.8450	-3.2614	-0.0787
137P	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.9167	-3.3823	-0.0832
138P	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.9887	-3.5032	-0.0878
139P	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-2.0611	-3.6242	-0.0926
140P	-1.0777	0.0000	-1.5757	1.0777	0.0000	1.5757	-2.1334	-3.7451	-0.0974
141P	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-2.2053	-3.8660	-0.1023
142P	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-2.2771	-3.9869	-0.1072
143P	-0.1315	0.0000	-0.0947	0.1315	0.0000	0.0947	-2.2920	-4.0120	-0.1082
200P	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-0.5506	-2.9961	-2.5871
1011	-0.0249	0.0000	-0.0354	0.0249	0.0000	0.0354	-0.0362	-0.0546	-0.0288
1012	-0.0249	0.0000	-0.0354	0.0249	-0.0000	0.0354	-0.0330	-0.0558	0.0102
1021	-0.0249	0.0000	-0.0354	0.0249	0.0000	0.0354	-0.0719	-0.1086	-0.0582
1022	-0.0249	0.0000	-0.0354	0.0249	-0.0000	0.0354	-0.0657	-0.1111	0.0208
1031	-0.0249	0.0000	-0.0354	0.0249	-0.0000	0.0354	-0.1080	-0.1632	-0.0869
1032	-0.0249	0.0000	-0.0354	0.0249	-0.0000	0.0354	-0.0986	-0.1669	0.0310
1041	-0.0249	0.0000	-0.0354	0.0249	-0.0000	0.0354	-0.1439	-0.2171	-0.1163
1042	-0.0249	0.0000	-0.0354	0.0249	0.0000	0.0354	-0.1314	-0.2221	0.0415
1051	-0.1099	0.0000	-0.0782	0.1099	-0.0000	0.0782	-0.1600	-0.2413	-0.1291
1052	-0.1099	0.0000	-0.0782	0.1099	-0.0000	0.0782	-0.1464	-0.2466	0.0459
1061	-0.0849	0.0000	-0.0428	0.0849	0.0000	0.0428	-0.1678	-0.2538	-0.1297
1062	-0.0849	0.0000	-0.0428	0.0849	0.0000	0.0428	-0.1542	-0.2590	0.0454
1071	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.2414	-0.3723	-0.1347
1072	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.2281	-0.3779	0.0403
1081	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.3144	-0.4907	-0.1397
1082	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.3008	-0.4964	0.0353
1091	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.3869	-0.6092	-0.1446
1092	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.3735	-0.6149	0.0304
1101	-0.0849	0.0000	-0.0428	0.0849	0.0000	0.0428	-0.4589	-0.7276	-0.1495
1102	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.4452	-0.7332	0.0255
1111	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.5302	-0.8463	-0.1544
1112	-0.0849	0.0000	-0.0428	0.0849	-0.0000	0.0428	-0.5166	-0.8519	0.0206
1121	-0.0849	0.0000	-0.0428	0.0850	-0.0000	0.0428	-0.6007	-0.9645	-0.1592
1122	-0.0849	0.0000	-0.0428	0.0850	-0.0000	0.0428	-0.5873	-0.9701	0.0158
1131	-0.1731	0.0000	-0.0837	0.1731	-0.0000	0.0837	-0.6156	-0.9895	-0.1602
1132	-0.1731	0.0000	-0.0837	0.1731	-0.0000	0.0837	-0.6023	-0.9950	0.0148
1141	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-0.6231	-1.0019	-0.1607
1142	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-0.6098	-1.0075	0.0143
1151	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-0.6941	-1.1219	-0.1655
1152	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.6809	-1.1276	0.0094
1161	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.7640	-1.2423	-0.1704
1162	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.7501	-1.2482	0.0046
1171	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.8324	-1.3623	-0.1752
1172	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.8189	-1.3680	-0.0002

1181	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.9003	-1.4827	-0.1800
1182	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.8864	-1.4882	-0.0050
1191	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.9672	-1.6027	-0.1847
1192	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-0.9534	-1.6084	-0.0098
1201	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-1.0336	-1.7231	-0.1896
1202	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-1.0199	-1.7291	-0.0146
1211	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-1.0988	-1.8430	-0.1943
1212	-0.0881	0.0000	-0.0409	0.0881	0.0000	0.0409	-1.0866	-1.8488	-0.0194
1221	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-1.1627	-1.9635	-0.1992
1222	-0.0881	0.0000	-0.0409	0.0881	-0.0000	0.0409	-1.1497	-1.9690	-0.0241
1231	-0.1697	0.0000	-0.0811	0.1697	-0.0000	0.0811	-1.1755	-1.9885	-0.2002
1232	-0.1697	0.0000	-0.0811	0.1697	-0.0000	0.0811	-1.1621	-1.9941	-0.0251
1241	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.1819	-2.0009	-0.2007
1242	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.1684	-2.0066	-0.0256
1251	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.2456	-2.1212	-0.2055
1252	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.2311	-2.1266	-0.0304
1261	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.3095	-2.2414	-0.2105
1262	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.2955	-2.2468	-0.0353
1271	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.3726	-2.3614	-0.2154
1272	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.3594	-2.3670	-0.0403
1281	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.4359	-2.4821	-0.2205
1282	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.4222	-2.4875	-0.0453
1291	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.4991	-2.6024	-0.2257
1292	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.4854	-2.6077	-0.0504
1301	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.5632	-2.7229	-0.2310
1302	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.5497	-2.7286	-0.0556
1311	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.6275	-2.8430	-0.2363
1312	-0.0816	0.0000	-0.0402	0.0816	0.0000	0.0402	-1.6159	-2.8484	-0.0609
1321	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.6915	-2.9639	-0.2419
1322	-0.0816	0.0000	-0.0402	0.0816	-0.0000	0.0402	-1.6791	-2.9693	-0.0663
1331	-0.1753	0.0000	-0.1049	0.1753	-0.0000	0.1049	-1.7044	-2.9889	-0.2431
1332	-0.1753	0.0000	-0.1049	0.1753	-0.0000	0.1049	-1.6916	-2.9945	-0.0674
1341	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.7108	-3.0014	-0.2436
1342	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.6979	-3.0071	-0.0679
1351	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.7780	-3.1223	-0.2490
1352	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.7650	-3.1276	-0.0732
1361	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.8491	-3.2431	-0.2543
1362	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.8361	-3.2484	-0.0784
1371	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-1.9208	-3.3639	-0.2595
1372	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-1.9078	-3.3693	-0.0836
1381	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-1.9929	-3.4848	-0.2646
1382	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-1.9798	-3.4902	-0.0887
1391	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-2.0652	-3.6057	-0.2697
1392	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-2.0522	-3.6111	-0.0938
1401	-1.0881	0.0000	-1.5757	1.0881	0.0000	1.5757	-2.1379	-3.7263	-0.2747
1402	-1.0881	0.0000	-1.5757	1.0881	0.0000	1.5757	-2.1248	-3.7323	-0.0988
1411	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-2.2094	-3.8474	-0.2796
1412	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-2.1964	-3.8529	-0.1037
1421	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-2.2813	-3.9682	-0.2845
1422	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-2.2682	-3.9739	-0.1086
1431	-0.1082	0.0000	-0.0812	0.1082	0.0000	0.0812	-2.2963	-3.9933	-0.2855
1432	-0.0937	0.0000	-0.0647	0.0937	0.0000	0.0647	-2.2832	-3.9990	-0.1096
2001	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-2.5032	-4.4174	-2.6753
2002	-0.0937	0.0000	-0.0647	0.0937	-0.0000	0.0647	-2.5083	-1.6051	-2.8742

EIA Summary of Guy Tensions and Usages for Load Case "LC6: DL + WI (Ice)":

Guy Label	Max. Tension (kips)	Allowable Tension (kips)	Factored Allowable (kips)	Usage %	Top Tension (kips)	Anchor Tension (kips)	Intercept Distance (ft)
Guy1a	8.94	10.82	10.82	82.63	8.94	8.88	0.23
Guy1b	8.80	10.82	10.82	81.36	8.80	8.74	0.24
Guy1c	0.76	10.82	10.82	7.00	0.76	0.70	2.04
Guy1d	0.87	10.82	10.82	8.06	0.87	0.81	1.75
Guy1e	0.32	10.82	10.82	2.97	0.32	0.26	7.23
Guy1f	0.31	10.82	10.82	2.83	0.31	0.24	7.66

*** Overall summary for all load cases - Usage = Maximum Stress / Allowable Stress
Printed capacities do not include EIA allowable stress increase for wind load cases.
Printed capacities do not include the strength factor entered for each load case.
The Group Summary reports on the member and load case that resulted in maximum usage
which may not necessarily be the same as that which produces maximum force.

Group Summary (Compression Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Usage Control	Max Use In Comp. %	Comp. Control Member	Comp. Force (kips)	Comp. Control Load Case	L/R Capacity (kips)	Comp. Connect. Shear Capacity (kips)	Comp. Connect. Bearing Capacity (kips)	RLX	RLY	RLZ	L/R	KL/R	Length Comp. Member (ft)	Curve No.	No. Of Bolts Comp.
Leg1	Section1-Leg	HSS HSS	2.875x0.307	50.0	18.16	Comp	18.16	Leg1a2	-17.179LC4:	DL	71.114	0.000	0.000	1.000	1.000	1.000	15.96	15.96	1.216	1	0
Leg2	Section2-Leg	HSS HSS	2.875x0.297	50.0	24.57	Comp	24.57	Leg2g1	-21.242LC5:	DL	65.004	0.000	0.000	1.000	1.000	1.000	31.00	31.00	2.370	1	0
Leg3	Section3-Leg	HSS HSS	2.875x0.200	50.0	35.72	Comp	35.72	Leg3b1	-21.638LC5:	DL	45.541	0.000	0.000	1.000	1.000	1.000	30.49	30.49	2.410	1	0
Leg4	Section4-Leg	HSS HSS	2.875x0.200	50.0	51.40	Comp	51.40	Leg4iP	-31.131LC4:	DL	45.541	0.000	0.000	1.000	1.000	1.000	30.49	30.49	2.410	1	0
Leg5	Section5-Leg	HSS HSS	2.875x0.312	50.0	39.56	Comp	39.56	Leg5bP	-35.606LC4:	DL	67.679	0.000	0.000	1.000	1.000	1.000	31.68	31.68	2.410	1	0
Horz1	Section1-Horz	SAE	L4x4x1/4	36.0	4.35	Tens	1.49	Horz1c1	-0.656LC4:	DL	33.016	0.000	0.000	1.000	1.000	1.000	36.10	36.10	2.356	1	0
Horz2	Section2-Horz	HSS	HSS 1.5x0.075	42.0	17.80	Tens	4.44	Horz2bP	-0.329LC4:	DL	5.573	0.000	0.000	1.000	1.000	1.000	83.22	83.22	3.499	1	0
Horz3	Section3-Horz	HSS	HSS 1.5x0.075	42.0	9.50	Comp	9.50	Horz3bP	-0.704LC6:	DL	5.573	0.000	0.000	1.000	1.000	1.000	83.22	83.22	3.499	1	0
Horz4	Section4-Horz	HSS	HSS 1.5x0.075	42.0	23.36	Comp	23.36	Horz4bP	-1.731LC6:	DL	5.573	0.000	0.000	1.000	1.000	1.000	83.22	83.22	3.499	1	0
Horz5	Section5-Horz	HSS	HSS 1.5x0.075	42.0	6.82	Tens	4.13	Horz5a1	-0.306LC6:	DL	5.573	0.000	0.000	1.000	1.000	1.000	83.22	83.22	3.499	1	0
Horz5b	Section5-Horzb	DAE	2L2x2x1/4	36.0	21.98	Comp	21.98	Horz5b1	-6.561LC4:	DL	22.443	0.000	0.000	1.000	1.000	1.000	108.49	108.49	3.499	1	0
Diag2	Section2-Diag	HSS	HSS 1.5x0.075	42.0	28.40	Comp	28.40	Diag2b1	-1.757LC5:	DL	4.651	0.000	0.000	1.000	1.000	1.000	100.52	100.52	4.226	1	0
Diag3	Section3-Diag	HSS	HSS 1.5x0.075	42.0	29.62	Comp	29.62	Diag3hP	-1.820LC4:	DL	4.620	0.000	0.000	1.000	1.000	1.000	101.05	101.05	4.248	1	0
Diag4	Section4-Diag	HSS	HSS 1.5x0.075	42.0	68.37	Comp	68.37	Diag4hP	-4.201LC4:	DL	4.620	0.000	0.000	1.000	1.000	1.000	101.05	101.05	4.248	1	0
Diag5	Section5-Diag	HSS	HSS 1.5x0.075	42.0	43.10	Comp	43.10	Diag5a2	-3.404LC4:	DL	5.938	0.000	0.000	0.750	0.500	0.500	75.79	75.79	4.248	1	0
TA1	TorqueArm1	CH	C12x20.7	36.0	6.29	Tens	2.52	TA1aP	-1.828LC5:	DL	54.422	0.000	0.000	1.000	1.000	1.000	52.68	52.68	3.499	1	0

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Usage Control	Max Use In Tens. %	Tension Control Member	Tension Force (kips)	Tension Control Load Case	Net Section Capacity (kips)	Tension Connect. Shear Capacity (kips)	Tension Connect. Bearing Capacity (kips)	Tension Connect. Rupture Capacity (kips)	Length Tens. Member (ft)	No. Of Bolts Tens.	No. Of Holes	Hole Diameter (in)
Leg1	Section1-Leg	HSS HSS	2.875x0.307	50.0	18.16	Comp	0.00	Leg1e2	0.000		74.310	0.000	0.000	0.000	0.539	0	0.000	0
Leg2	Section2-Leg	HSS HSS	2.875x0.297	50.0	24.57	Comp	2.01	Leg2h2	1.932LC5:	DL	72.150	0.000	0.000	0.000	0.500	0	0.000	0
Leg3	Section3-Leg	HSS HSS	2.875x0.200	50.0	35.72	Comp	3.06	Leg3b2	2.055LC5:	DL	50.430	0.000	0.000	0.000	2.410	0	0.000	0
Leg4	Section4-Leg	HSS HSS	2.875x0.200	50.0	51.40	Comp	26.64	Leg4jP	17.866LC3:	DL	50.430	0.000	0.000	0.000	0.500	0	0.000	0
Leg5	Section5-Leg	HSS HSS	2.875x0.312	50.0	39.56	Comp	19.98	Leg5bP	20.025LC3:	DL	75.360	0.000	0.000	0.000	2.410	0	0.000	0
Horz1	Section1-Horz	SAE	L4x4x1/4	36.0	4.35	Tens	4.35	Horz1d1	2.427LC4:	DL	41.904	0.000	0.000	0.000	3.152	0	0.000	0
Horz2	Section2-Horz	HSS	HSS 1.5x0.075	42.0	17.80	Tens	17.80	Horz2aP	2.005LC4:	DL	8.467	0.000	0.000	0.000	3.499	0	0.000	0
Horz3	Section3-Horz	HSS	HSS 1.5x0.075	42.0	9.50	Comp	6.84	Horz3bP	0.771LC4:	DL	8.467	0.000	0.000	0.000	3.499	0	0.000	0
Horz4	Section4-Horz	HSS	HSS 1.5x0.075	42.0	23.36	Comp	17.57	Horz4bP	1.979LC4:	DL	8.467	0.000	0.000	0.000	3.499	0	0.000	0
Horz5	Section5-Horz	HSS	HSS 1.5x0.075	42.0	6.82	Tens	6.82	Horz5aP	0.768LC5:	DL	8.467	0.000	0.000	0.000	3.499	0	0.000	0
Horz5b	Section5-Horzb	DAE	2L2x2x1/4	36.0	21.98	Comp	7.99	Horz5b1	4.340LC6:	DL	40.824	0.000	0.000	0.000	3.499	0	0.000	0
Diag2	Section2-Diag	HSS	HSS 1.5x0.075	42.0	28.40	Comp	17.33	Diag2a1	1.951LC5:	DL	8.467	0.000	0.000	0.000	4.232	0	0.000	0
Diag3	Section3-Diag	HSS	HSS 1.5x0.075	42.0	29.62	Comp	16.03	Diag3h1	1.805LC5:	DL	8.467	0.000	0.000	0.000	4.248	0	0.000	0
Diag4	Section4-Diag	HSS	HSS 1.5x0.075	42.0	68.37	Comp	37.34	Diag4h1	4.205LC5:	DL	8.467	0.000	0.000	0.000	4.248	0	0.000	0
Diag5	Section5-Diag	HSS	HSS 1.5x0.075	42.0	43.10	Comp	22.65	Diag5a2	2.551LC6:	DL	8.467	0.000	0.000	0.000	4.248	0	0.000	0
TA1	TorqueArm1	CH	C12x20.7	36.0	6.29	Tens	6.29	TA1b2	10.979LC4:	DL	131.328	0.000	0.000	0.000	3.499	0	0.000	0

Summary of Guy Usages:

Guy Label	Maximum Usage %	Load Case	Weight (lbs)	Unstressed Length (ft)
Guy1a	82.63	LC6: DL + WI (Ice)	40.7	101.97
Guy1b	81.36	LC6: DL + WI (Ice)	40.7	101.97
Guy1c	98.85	LC4: DL + WI (Ice)	34.0	85.11
Guy1d	98.58	LC4: DL + WI (Ice)	34.0	85.12
Guy1e	92.63	LC5: DL + WI (Ice)	39.6	99.37
Guy1f	97.25	LC5: DL + WI (Ice)	39.6	99.37

*** Maximum Stress Summary for Each Load Case

Summary of Maximum Usages by Load Case:

Load Case	Maximum Usage %	Element Label	Element Type
LC1: DL + WL	81.30	Guy1d	Guy
LC2: DL + WL	80.26	Guy1f	Guy
LC3: DL + WL	66.39	Guy1a	Guy
LC4: DL + WI (Ice)	98.85	Guy1c	Guy
LC5: DL + WI (Ice)	97.25	Guy1f	Guy
LC6: DL + WI (Ice)	82.63	Guy1a	Guy

Summary of Guy Usages by Load Case:

Load Case	Maximum Usage %	Guy Label
LC1: DL + WL	81.30	Guy1d
LC2: DL + WL	80.26	Guy1f
LC3: DL + WL	66.39	Guy1a
LC4: DL + WI (Ice)	98.85	Guy1c
LC5: DL + WI (Ice)	97.25	Guy1f
LC6: DL + WI (Ice)	82.63	Guy1a

Loads At Guy Attachments For All Load Cases:

Note: Loads on the structure from guys have same sign convention as LCA file.

Load Case	Guy Label	Structure Attach Label	Structure Attach Vert. Load (kips)	Structure Attach Tran. Load (kips)	Structure Attach Long. Load (kips)	Structure Attach Load Res. (kips)
LC1: DL + WL	Guy1a	2002	0.013	-0.000	0.037	0.039
LC1: DL + WL	Guy1b	2001	0.013	0.000	0.037	0.039
LC1: DL + WL	Guy1c	2001	6.307	4.746	-3.314	8.560
LC1: DL + WL	Guy1d	200P	6.504	5.064	-3.064	8.793
LC1: DL + WL	Guy1e	200P	5.047	-5.254	-3.179	7.949
LC1: DL + WL	Guy1f	2002	4.288	-4.322	-2.933	6.758
LC2: DL + WL	Guy1a	2002	2.664	0.029	3.365	4.292
LC2: DL + WL	Guy1b	2001	2.600	-0.148	3.287	4.194
LC2: DL + WL	Guy1c	2001	0.042	0.066	-0.011	0.079
LC2: DL + WL	Guy1d	200P	0.038	0.063	-0.008	0.074
LC2: DL + WL	Guy1e	200P	5.077	-5.522	-2.760	7.993
LC2: DL + WL	Guy1f	2002	5.526	-5.815	-3.317	8.681
LC3: DL + WL	Guy1a	2002	4.448	0.384	5.624	7.181
LC3: DL + WL	Guy1b	2001	4.428	0.085	5.579	7.124
LC3: DL + WL	Guy1c	2001	0.333	0.249	-0.190	0.457
LC3: DL + WL	Guy1d	200P	0.380	0.298	-0.188	0.518
LC3: DL + WL	Guy1e	200P	0.072	-0.052	-0.089	0.126
LC3: DL + WL	Guy1f	2002	0.067	-0.045	-0.089	0.120
LC4: DL + WI (Ice)	Guy1a	2002	0.033	-0.001	0.092	0.098
LC4: DL + WI (Ice)	Guy1b	2001	0.032	0.001	0.091	0.097
LC4: DL + WI (Ice)	Guy1c	2001	7.897	5.931	-4.095	10.691
LC4: DL + WI (Ice)	Guy1d	200P	7.904	6.144	-3.669	10.662
LC4: DL + WI (Ice)	Guy1e	200P	6.129	-6.357	-3.787	9.608
LC4: DL + WI (Ice)	Guy1f	2002	5.382	-5.401	-3.607	8.434
LC5: DL + WI (Ice)	Guy1a	2002	3.315	0.112	4.160	5.320
LC5: DL + WI (Ice)	Guy1b	2001	3.289	-0.112	4.126	5.278
LC5: DL + WI (Ice)	Guy1c	2001	0.105	0.163	-0.027	0.196
LC5: DL + WI (Ice)	Guy1d	200P	0.094	0.156	-0.019	0.183
LC5: DL + WI (Ice)	Guy1e	200P	6.398	-6.887	-3.467	10.019
LC5: DL + WI (Ice)	Guy1f	2002	6.729	-7.011	-4.025	10.518
LC6: DL + WI (Ice)	Guy1a	2002	5.572	0.448	6.973	8.937
LC6: DL + WI (Ice)	Guy1b	2001	5.505	0.080	6.865	8.800
LC6: DL + WI (Ice)	Guy1c	2001	0.544	0.394	-0.348	0.757
LC6: DL + WI (Ice)	Guy1d	200P	0.635	0.485	-0.351	0.872
LC6: DL + WI (Ice)	Guy1e	200P	0.185	-0.136	-0.225	0.321
LC6: DL + WI (Ice)	Guy1f	2002	0.172	-0.118	-0.223	0.306

*** Weight of structure (lbs):

Weight of Guys:	228.6
Weight of Angles*Section DLF:	3155.6
Weight of Equipment:	225.0
Total:	3609.2

*** End of Report

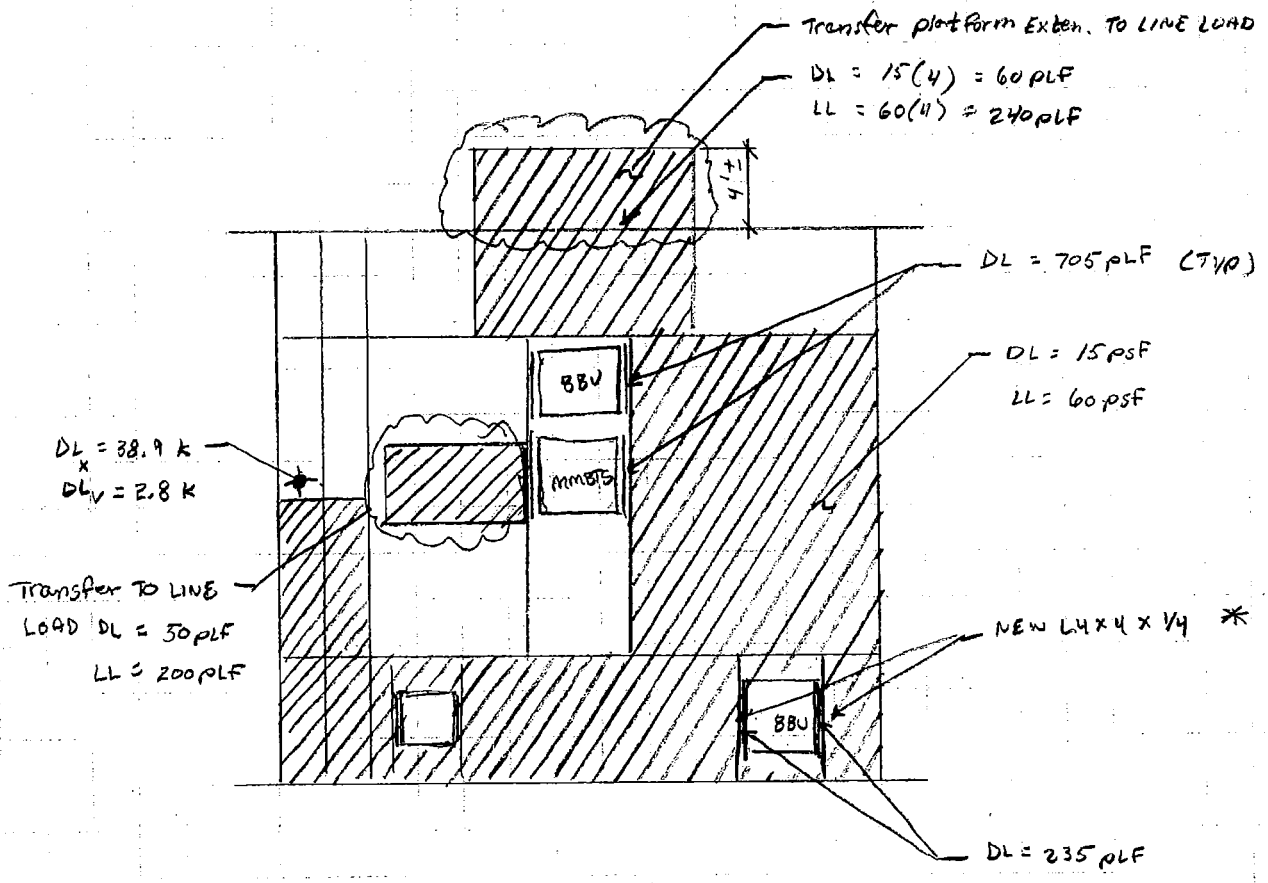
ADDITIONAL CALCS

TECTONIC
Mountainville, NY
New York, NY
Albany, NY
Hartford, CT
Richmond, VA
(800) 829-6531

JOB 6318.03-098
SHEET NO. 1 OF
CALCULATED BY JEC DATE 11/12/12
CHECKED BY DATE
SCALE

EXISTING DUNNAGE ANALYSIS

LOADS DL: FRAME SELF-WEIGHT + 5 psf FOR MISC. FRAMING.
GRATING = 10 psf
DL TOTAL = SELF-WEIGHT + 15 psf
LL = 60 psf + UNIT WEIGHT



TECTONIC

Practical Solutions, Exceptional Service

Job No. 6318.03-098
Sheet No. 1 of
Calculated By JC Date : 11/13/12
Checked By Date :

Design Loads for proposed generator on proposed equipment frame.

Loading

1 - Dead Load

Number of Units	Cabinet Type	Width (in.)	Depth (in.)	Height (in.)	Weight		Total Weight	
1	MMBTS	35.4	37.8	75.8	1074	lb	1074	lb
							1074	lb
							269	lb/point

2- Snow Load

P_f= 25 psf
232 lbs of snow on generator
58 lbs approx load per point

3- Wind Load

Generator height ~ 65'-00"

Design Wind Pressure is 37

Shape Factor = 1.5
Wind Pressure= 55.5 psf

Height of the Generator 6.32 ft
Loading at Cabinet Supports:

Generator Wind Loads			
Mounting Hole Distance=	2.95	feet	
Height=	6.32	feet	
Max Width=	2.95	feet	
Max Depth=	3.15	feet	
Uplift Force Per Support Beam=	554	lb/point	(4 points of connection)
Wind Force Per Support Beam=	259	lb/point	(4 points of connection)
Lateral force in other direction=	276	lb/point	(4 points of connection)

TECTONIC

Practical Solutions, Exceptional Service

Job No. 6318.03-098
Sheet No. 1 of
Calculated By JC Date : 11/13/12
Checked By Date :

Design Loads for proposed generator on proposed equipment frame.

Loading

1 - Dead Load

Number of Units	Cabinet Type	Width (in.)	Depth (in.)	Height (in.)	Weight		Total Weight	
1	Backup Battery Unit	31	30	60	2830	lb	2830	lb
							2830	lb
							708	lb/point

2- Snow Load

P_f= 25 psf (See previous page)
161 lbs of snow on generator
40 lbs approx load per point

3- Wind Load

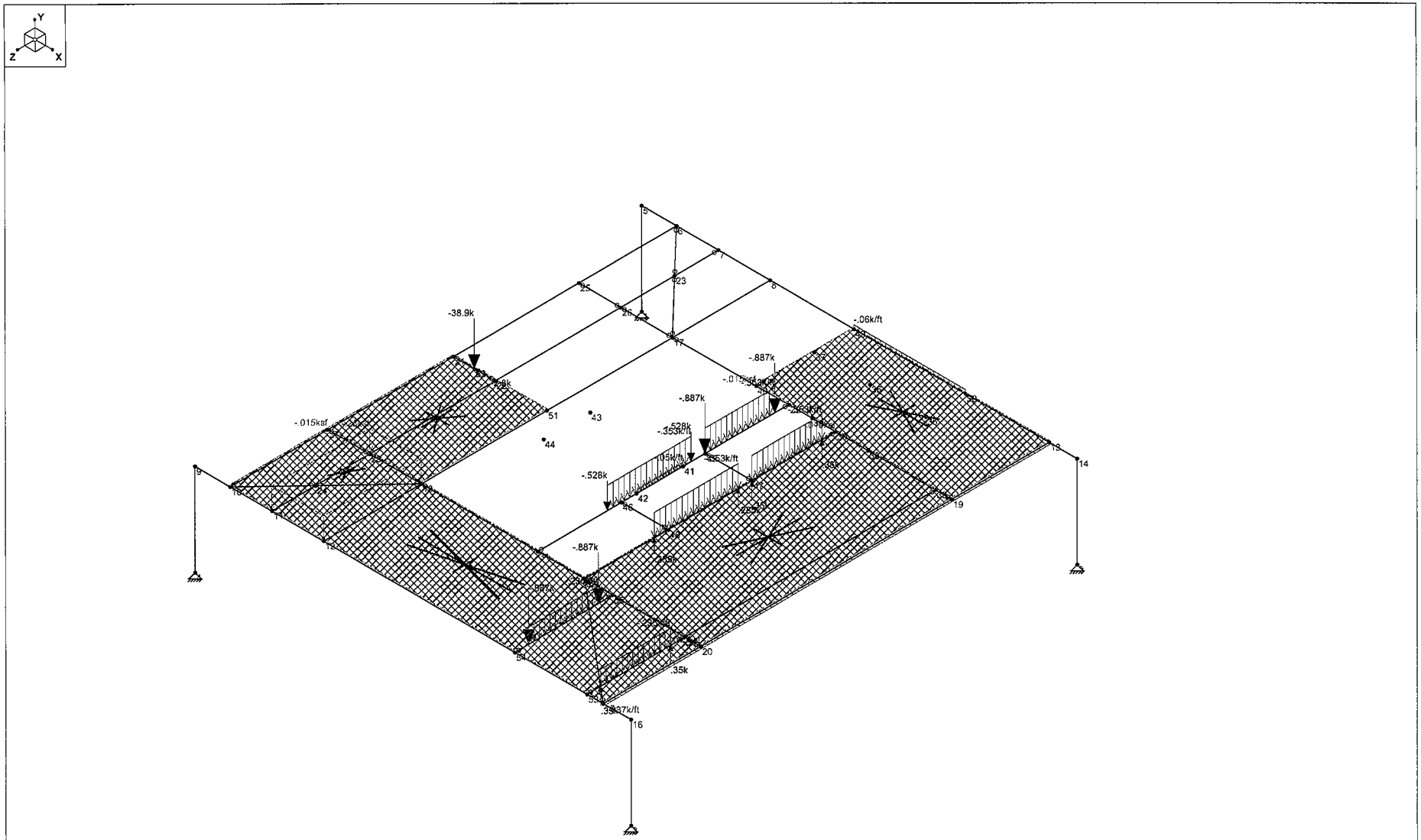
Generator height ~ 65'-00"

Design Wind Pressure is 37

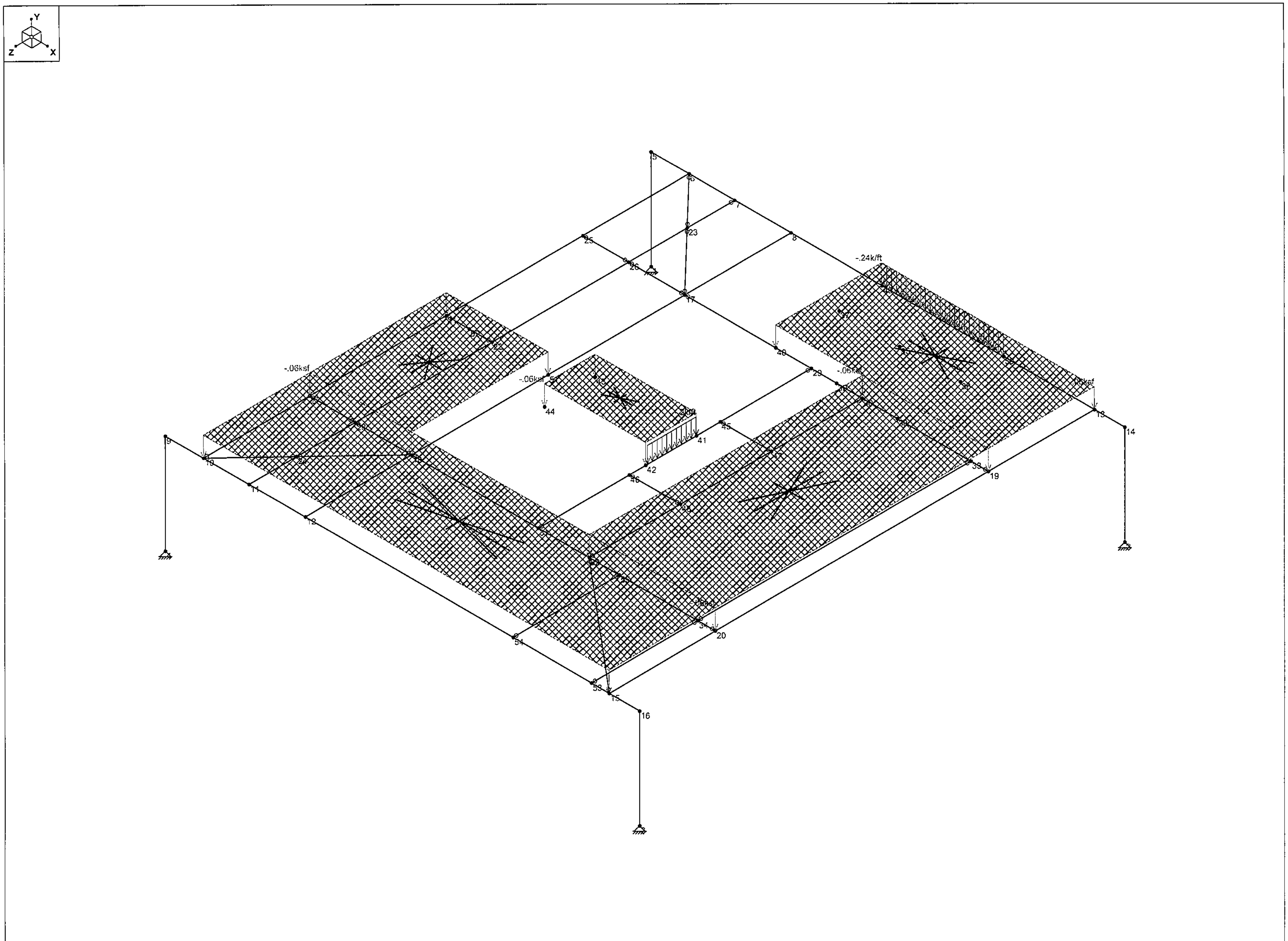
Shape Factor = 1.5
Wind Pressure= 55.5 psf

Height of the Generator 5.00 ft
Loading at Cabinet Supports:

Generator Wind Loads			
Mounting Hole Distance=	2.50	feet	
Height=	5.00	feet	
Max Width=	2.58	feet	
Max Depth=	2.50	feet	
Uplift Force Per Support Beam=	358	lb/point	(4 points of connection)
Wind Force Per Support Beam=	179	lb/point	(4 points of connection)
Lateral force in other direction=	173	lb/point	(4 points of connection)



Loads: BLC 1, Dead Load
Results for LC 1, DL



Loads: BLC 2, Live Load
Results for LC 1, DL

Material Takeoff

	Material	Size	Pieces	Length[ft]	Weight[K]
1	Hot Rolled Steel				
2	A36 Gr.36	LL4x4x4x0	8	16.4	.2
3	A36 Gr.36	L4x4x4	5	15.8	.1
4	A500 Gr.46	HSS4x4x6	4	13	.2
5	A992	W10x22	4	52	1.1
6	A992	W12x50	5	64.7	3.2
7	A992	W4x13	1	9	.1
8	A992	W6x15	2	18	.3
9	Total HR Steel		29	188.9	5.3

Joint Reactions

	LC	Joint Label	X [k]	Y [k]	Z [k]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1	1	1	2.062	20.755	.261	0	0	0
2	1	2	-.253	5.854	.125	0	0	0
3	1	3	-.518	7.038	-.241	0	0	0
4	1	4	2.101	21.891	-.144	0	0	0
5	1	Totals:	3.392	55.538	0			
6	1	COG (ft):	X: 3.825	Y: 3.244	Z: 8.326			
7	2	1	2.316	22.283	.264	0	0	0
8	2	2	-.501	8.659	.241	0	0	0
9	2	3	-.771	9.617	-.363	0	0	0
10	2	4	2.347	24.008	-.142	0	0	0
11	2	Totals:	3.392	64.567	0			
12	2	COG (ft):	X: 4.592	Y: 3.245	Z: 8.324			

Member AISC 13th(360-05): ASD Steel Code Checks

	LC	Member	Shape	UC Max	Loc[ft]	Shear UC	Loc[ft]	Dir	Pnc/om ...	Pnt/om [...	Mnyy/o...	Mnzz/o...	Cb	Eqn
1	1	1	HSS4x4x6	.597	3.25	.062	0	y	125.559	131.665	14.668	14.668	1.667	H1-1b
2	1	2	HSS4x4x6	.609	3.25	.063	0	y	125.559	131.665	14.668	14.668	1.667	H1-1b
3	1	3	HSS4x4x6	.195	3.25	.015	0	y	125.559	131.665	14.668	14.668	1.667	H1-1b
4	1	4	HSS4x4x6	.101	3.25	.007	0	y	125.559	131.665	14.668	14.668	1.667	H1-1b
5	1	5	W12x50	.209	2.763	.260	1.138	y	224.921	437.126	53.144	179.391	1.275	H1-1b
6	1	6	W12x50	.263	2.6	.273	1.138	y	224.921	437.126	53.144	179.391	1.251	H1-1b
7	1	7	W12x50	.481	8	.114	16	y	217.291	437.126	53.144	179.391	1.313	H1-1b
8	1	8	W12x50	.487	8	.123	0	y	217.291	437.126	53.144	179.391	1.309	H1-1b
9	1	9	W10x22	.312	6.667	.059	0	y	46.482	194.311	15.22	32.988	1.014	H1-1b
10	1	10	W10x22	.146	4.167	.047	0	y	106.704	194.311	15.22	64.87	1.323	H1-1b
11	1	11	W10x22	.124	4.375	.047	10	y	106.704	194.311	15.22	60.95	1.203	H1-1b
12	1	12	W10x22	.255	7.833	.050	0	y	46.482	194.311	15.22	32.985	1.014	H1-1b
13	1	13	W12x50	.083	.75	.217	0	y	434.449	437.126	53.144	179.391	1.316	H1-1b
14	1	14	LL4x4x4x0	.025	1.085	.003	0	y	60.828	83.21	7.545	5.906	1	H1-1b
15	1	15	LL4x4x4x0	.035	1.338	.006	0	y	60.749	83.21	7.545	5.906	1	H1-1b
16	1	16	LL4x4x4x0	.023	1.085	.019	2.169	y	60.828	83.21	7.545	5.906	1	H1-1b
17	1	17	LL4x4x4x0	.029	1.338	.006	0	y	60.749	83.21	7.545	5.906	1	H1-1b
18	1	18	LL4x4x4x0	.007	.75	.001	1.5	y	60.905	83.21	7.545	5.906	1	H1-1b
19	1	19	LL4x4x4x0	.016	.925	.016	1.85	y	60.869	83.21	7.545	5.906	1	H1-1b
20	1	20	LL4x4x4x0	.006	.75	.001	1.5	y	60.905	83.21	7.545	5.906	1	H1-1b
21	1	21	LL4x4x4x0	.013	.925	.017	1.85	y	60.869	83.21	7.545	5.906	1	H1-1b
22	1	22	W6x15	.253	3.563	.116	0	y	88.431	132.635	10.834	25.364	1.181	H1-1b
23	1	23	W6x15	.065	4.781	.031	.563	y	88.431	132.635	10.834	25.364	1.204	H1-1b
24	1	24	W4x13	.028	4.5	.007	9	y	49.198	114.671	7.285	15.457	1.142	H1-1b
25	1	25	L4x4x4	.001	.84	.013	1.68	y	36.738	41.605	2.088	4.467	1.136	H2-1
26	1	26	L4x4x4	.001	.84	.014	1.68	y	36.738	41.605	2.088	4.467	1.136	H2-1
27	1	27	L4x4x4	.090	1.75	.024	.51	y	33.034	41.605	2.088	4.467	1.343	H2-1

Member AISC 13th(360-05): ASD Steel Code Checks (Continued)

	LC	Member	Shape	UC Max	Loc[ft]	Shear UC	Loc[ft]	Dir	Pnc/om ...	Pnt/om [...	Mnyy/o...	Mnzz/o...	Cb	Eqn
28	1	28	L4x4x4	.406	1.75	.094	3.5	y	33.034	41.605	2.088	4.347	1.062	H2-1
29	1	29	L4x4x4	.047	2.658	.005	0	y	27.206	41.605	2.088	4.048	1.152	H2-1
30	2	1	HSS4x4x6	.659	3.25	.070	0	y	125.559	131.665	14.668	14.668	1.667	H1-1b
31	2	2	HSS4x4x6	.675	3.25	.070	0	y	125.559	131.665	14.668	14.668	1.667	H1-1b
32	2	3	HSS4x4x6	.288	3.25	.022	0	y	125.559	131.665	14.668	14.668	1.667	H1-1b
33	2	4	HSS4x4x6	.190	3.25	.014	0	y	125.559	131.665	14.668	14.668	1.667	H1-1b
34	2	5	W12x50	.238	4.55	.276	1.138	y	224.921	437.126	53.144	177.102	1.222	H1-1b
35	2	6	W12x50	.291	2.6	.298	1.138	y	224.921	437.126	53.144	179.391	1.239	H1-1b
36	2	7	W12x50	.485	8	.116	0	y	217.291	437.126	53.144	179.391	1.311	H1-1b
37	2	8	W12x50	.496	8	.129	0	y	217.291	437.126	53.144	179.391	1.305	H1-1b
38	2	9	W10x22	.429	6.333	.086	0	y	46.482	194.311	15.22	33.669	1.035	H1-1b
39	2	10	W10x22	.186	4.167	.069	10	y	106.704	194.311	15.22	64.564	1.275	H1-1b
40	2	11	W10x22	.178	5.833	.075	10	y	106.704	194.311	15.22	60.135	1.187	H1-1b
41	2	12	W10x22	.410	7.833	.082	0	y	46.482	194.311	15.22	33.046	1.016	H1-1b
42	2	13	W12x50	.083	.75	.217	0	y	434.449	437.126	53.144	179.391	1.315	H1-1b
43	2	14	LL4x4x4x0	.026	1.085	.004	0	y	60.828	83.21	7.545	5.906	1	H1-1b
44	2	15	LL4x4x4x0	.035	1.338	.003	0	y	60.749	83.21	7.545	5.906	1	H1-1b
45	2	16	LL4x4x4x0	.023	1.085	.020	2.169	y	60.828	83.21	7.545	5.906	1	H1-1b
46	2	17	LL4x4x4x0	.030	1.338	.003	0	y	60.749	83.21	7.545	5.906	1	H1-1b
47	2	18	LL4x4x4x0	.007	.75	.002	1.5	y	60.905	83.21	7.545	5.906	1	H1-1b
48	2	19	LL4x4x4x0	.016	.925	.010	0	y	60.869	83.21	7.545	5.906	1	H1-1b
49	2	20	LL4x4x4x0	.006	.75	.001	1.5	y	60.905	83.21	7.545	5.906	1	H1-1b
50	2	21	LL4x4x4x0	.013	.925	.010	0	y	60.869	83.21	7.545	5.906	1	H1-1b
51	2	22	W6x15	.292	3.938	.125	0	y	88.431	132.635	10.834	25.364	1.179	H1-1b
52	2	23	W6x15	.102	4.688	.043	.563	y	88.431	132.635	10.834	25.364	1.181	H1-1b
53	2	24	W4x13	.105	4.5	.027	9	y	49.198	114.671	7.285	15.483	1.144	H1-1b
54	2	25	L4x4x4	.001	.84	.013	1.68	y	36.738	41.605	2.088	4.467	1.136	H2-1
55	2	26	L4x4x4	.001	.84	.014	1.68	y	36.738	41.605	2.088	4.467	1.136	H2-1
56	2	27	L4x4x4	.126	1.714	.029	.51	y	33.034	41.605	2.088	4.467	1.284	H2-1
57	2	28	L4x4x4	.464	1.786	.103	3.5	y	33.034	41.605	2.088	4.357	1.075	H2-1
58	2	29	L4x4x4	.164	2.658	.018	0	y	27.206	41.605	2.088	4.053	1.157	H2-1

The Maximum Stresses in any of the existing members does not exceed more than 68% of its aallowacle capacity. Therefore, the existing steel frame will be adequate for the proposed Sprint upgrade.

EBI Consulting
environmental | engineering | due diligence

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT
EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

Sprint Existing Facility

Site ID: CT03XC098

Vance Hall CCSU
1679 Stanley Street
New Britain, CT 06053

December 6, 2012

21 B Street · Burlington, MA 01803 · Tel: (781) 273.2500 · Fax: (781) 273.3311

EBI Consulting

environmental | engineering | due diligence

December 6, 2012

Sprint
Attn: RF Engineering Manager
1 International Boulevard, Suite 800
Mahwah, NJ 07495

Re: Emissions Values for Site: **CT03XC098 – Vance Hall CCSU**

EBI Consulting was directed to analyze the proposed upgrades to the existing Sprint facility located at 1679 Stanley Street, New Britain, CT, for the purpose of determining whether the emissions from the proposed Sprint equipment upgrades on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (μW/cm2). The number of μW/cm2 calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general public 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 public would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limit for the cellular band is approximately 567 $\mu W/cm^2$, and the general population exposure limit for the PCS band is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed upgrades to the existing Sprint Wireless antenna facility located at 1679 Stanley Street, New Britain, CT, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. All calculations were performed assuming the main lobe of the antenna was focused at the base of the tower to present a worst case scenario. Actual values seen from this site will be dramatically less than those shown in this report. For this report the sample point is the top of a 6 foot person standing at the base of the tower.

For all calculations, all emissions were calculated using the following assumptions:

1) 6 CDMA Carriers (1900 MHz) were considered for each sector of the proposed installation.
2) 1 CDMA Carrier (850 MHz) was considered for each sector of the proposed installation
3) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
4) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The actual gain in this direction was used per the manufactures supplied specifications.
5) The antenna used in this modeling is the APXVSPP18-C-A20. This is based on feedback from the carrier with regards to anticipated antenna selection. This antenna has a 15.9 dBd gain value at its main lobe at 1900 MHz and 13.4 dBd at its main lobe for 850 MHz. All calculations were performed assuming the main lobe of the antenna was focused at the base of the tower to present a worst case scenario.

6) The antenna mounting height centerline of the proposed antennas is **138 feet** above ground level (AGL)
7) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

All calculation were done with respect to uncontrolled / general public threshold limits

Site ID	CT03XC098 - Vance Hall CCSU
Site Addresss	1679 Stanley Street, New Britain, CT, 06053
Site Type	Rooftop Guyed Tower

Sector 1

Antenna Number	Antenna Make	Antenna Model	Radio Type	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	RFS	APXVSPP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	6	120	15.9	138	132	1/2 "	0.5	0	4160.8422	85.84981	8.58498%
1a	RFS	APXVSPP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	13.4	138	132	1/2 "	0.5	0	389.96892	8.04615	1.41907%
														Sector total Power Density Value:			10.004%

Sector 2

Antenna Number	Antenna Make	Antenna Model	Radio Type	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
2a	RFS	APXVSPP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	6	120	15.9	138	132	1/2 "	0.5	0	4160.8422	85.84981	8.58498%
2a	RFS	APXVSPP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	13.4	138	132	1/2 "	0.5	0	389.96892	8.04615	1.41907%
														Sector total Power Density Value:			10.004%

Sector 3

Antenna Number	Antenna Make	Antenna Model	Radio Type	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
3a	RFS	APXVSPP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	6	120	15.9	138	132	1/2 "	0.5	0	4160.8422	85.84981	8.58498%
3a	RFS	APXVSPP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	13.4	138	132	1/2 "	0.5	0	389.96892	8.04615	1.41907%
														Sector total Power Density Value:			10.004%

Site Composite MPE %	
Carrier	MPE %
Sprint	30.012%
Clearwire	0.950%
Total Site MPE %	30.962%

Summary

All calculations performed for this analysis yielded results that were well within the allowable limits for general public exposure to RF Emissions.

The anticipated Maximum Composite contributions from the Sprint facility are **30.012% (10.004% from each sector)** of the allowable FCC established general public limit considering all three sectors simultaneously sampled at the ground level.

The anticipated composite MPE value for this site assuming all carriers present is **30.962%** of the allowable FCC established general public limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government

Scott Heffernan
RF Engineering Director

EBI Consulting
21 B Street
Burlington, MA 01803