

SK#4
JUL 25 1998

15

ENGINEERING DATA TRANSMITTAL

Page 1 of 1
1. EDT 622230

2. To: (Receiving Organization) Distribution		3. From: (Originating Organization) TWRS Projects/SST Retrieval		4. Related EDT No.: n/a	
5. Proj./Prog./Dept./Div.: W-320 TWRS/TCPN # D2MAI		6. Design Authority/ Design Agent/Cog. Engr.: JW Bailey, NHC		7. Purchase Order No.: n/a	
8. Originator Remarks: For approval and release of a new supporting document. This document has been generated to ensure retrievability of the Project W-320 "Piping Calculations, Vol. 2".				9. Equip./Component No.: n/a	
				10. System/Bldg./Facility: 241-C-106	
11. Receiver Remarks: 11A. Design Baseline Document? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				12. Major Assm. Dwg. No.: n/a	
				13. Permit/Permit Application No.: n/a	
				14. Required Response Date:	

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Designator	Reason for Transmittal	Originator Disposition	Receiver Disposition
1	HNF-2472	-	0	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 2	NA			-

16. KEY

Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)
E, S, Q, D or N/A (see WHC-CM-3-5, Sec. 12.7)	1. Approval 2. Release 3. Information 4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment 4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION
(See Approval Designator for required signatures)

(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
2	1	Design Authority/	<i>JW Bailey</i>	7/23/98	S2-48						
		Design Agent									
2		Cog. Eng.	<i>MC Davenport</i>	7/25/98	S2-48						
2		Cog. Mgr.	<i>JW Bailey</i>	7/23/98	S2-48						
		QA									
		Safety									
		Env.									

18. <i>MC Davenport</i> Signature of EDT Originator Date: 7/25/98		19. <i>JW Bailey</i> Authorized Representative Date for Receiving Organization		20. <i>JW Bailey</i> Design Authority/Cognizant Manager Date: 7/23/98		21. DOE APPROVAL (if required) Ctrl. No. <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/comments <input type="checkbox"/> Disapproved w/comments	
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Project W-320, 241-C-106 Sluicing Piping Calculations, Vol. 2

John W. Bailey
Numatec Hanford Co., Richland, WA 99352
U.S. Department of Energy Contract DE-AC09-96RL13200

EDT/ECN: 622230 UC: 506
Org Code: 8C452 Charge Code: D2991/HANA0600
B&R Code: EW3130010 Total Pages: 395 (JUL 7/25/98)

Key Words: W-320, Sluicing, Tank 241-C-106, Tank 241-AY-102, WRSS,
calculations, piping.

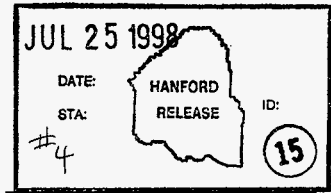
Abstract: This supporting document has been prepared to make the FDNW
calculations for Project W-320, readily retrievable.

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John W. Bailey
Release Approval

7/25/98
Date



Release Stamp

Approved for Public Release

Project W-320, 241-C-106 Sluicing Piping Calculations, Vol. 2

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This sheet shows the status and description of the attached Design Analysis sheets.

Discipline 27, Piping and Vessels WO/Job No. 4319 Calculation No. W-320-27-013
 Project No. & Name Project W 320 Waste Retrieval for Tank 241-C-106
 Calculation Item Process Pipe Stress Analysis

These calculations apply to:

Dwg. No. ES-320-M3, ES-320-M4, ES-320-M5, and Rev. No. 0
 Dwg. No. ES-320-M6 Rev. No. 0
 Other (Study, CDR) _____ Rev. No. _____

The status of these calculations is:

- Preliminary Calculations
- Final Calculations
- Check Calculations (On Calculation Dated _____)
- Void Calculation (Reason Voided _____)

Incorporated in Final Drawings? Yes No

This calculation verified by independent "check" calculation? Yes No

Original and Revised Calculation Approvals:

	Rev. 0 Signature / Date	Rev. 1 Signature / Date	Rev. 2 Signature / Date
Originator	D. L Stone 5/6/94	D. L Stone 8/4/95	<i>DL Stone</i> 9-29-96
Checked by	M.M. Ahmed 5/6/94	C.D. Jones 8/7/95	<i>CD Jones</i> 9/25/96
Approved by	C.D. Jones 6/3/94	C.D. Jones 8/7/95	<i>CD Jones</i> 9/25/96
Checked Against Approved Vendor Data			

INDEX

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This sheet shows the status and description of the attached Design Analysis sheets.

Discipline: (27) Piping and Vessels

WO/Job No.: ER4319

Calculation No.: W320-27-013

Project No. & Name: Project W-320 Waste Retrieval for Tank 241-C-106

Calculation Item: Process Pipe Stress Analysis

These calculations apply to:

Dwg. No.: See Calculation Cross Index

Rev. No.

Dwg. No.:

Rev. No.

Other (Study, CDR):

Rev. No.

The status of these calculations is:

- Preliminary Calculations
- Final Calculations
- Check Calculations (On Calculation Dated)
- Void Calculation (Reason Voided)

Incorporated in Final Drawings?

Yes No

This calculation verified by independent "check" calculations?

Yes No

Original and Revised Calculation Approvals:

	Rev. 3 Signature/Date	Rev. 4 Signature/Date	Rev. 5 Signature/Date
Originator	<i>Kathy D'Hagan</i> 11/19/97		
Checked by	<i>M. Ahmed</i> 3.12.98		
Approved by	<i>J.L. Ewins</i> 4.9.98		
Checked Against Approved Vendor Data	<i>M. Ahmed</i> 3.10.98		

INDEX

Design Analysis Page No.	Description
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iii	Calculation Cross Index
1 - 2	Objective, Design Inputs, and Design Criteria and Design Methodology
3	Assumptions and Calculations
4	References and Conclusions
5 - 72	Calculations

CALCULATION CROSS INDEX (Typical)

Subject Calculation No. : W320-27-013

Page III of III

Subject Calculation No.	Superseded Calculation by Calculation No.	These interfacng calculation/documents provide input to the subject calculation and if revised may require revision of the subject calculation.		Results and conclusions of the subject calculation are used in these interfacng calculations and/or documents		Does the output interface calculation/documents require revision?		Has the output interfaccalculator documents been revised?		Discipline manager's signature and date indicating evaluation complete.
		Calculation/Document No.	Revision No.	Calculation/Document No.	Revision No.	Yes	No	Yes	No	
3	NA	H-2-818532, Sheet 1	Ø 1	Calc # W320-27-015	3	X	X	X		<i>S. J. Z...</i> 7/16/98
		H-2-818532, Sheet 2	Ø 1			X				
		H-2-818533, Sheet 1	Ø 1							
		H-2-818534, Sheet 1	Ø 1							
		H-2-818535, Sheet 1	Ø 1							
		H-2-818546, Sheet 1	Ø 1							
		H-2-818546, Sheet 2	Ø 1							
		H-2-818547, Sheet 1	Ø 1							
		H-2-818548, Sheet 1	Ø 1							
		H-2-818548, Sheet 2	Ø 1							
		Calc # W320-27-014	3							
		W/C-SD-W320-FDC-001	4							
		W/C-SD-W320-SEL-033								

3/12/98
 H-2-818546

CALCULATION CROSS INDEX (Typical)

Page iii of iii

Subject Calculation Revision No.	Superseded by Calculation No.	These interfacing calculation/documents provide input to the subject calculation, and if revised may require revision of the subject calculation.		Subject Calculation No. W320-27-013 Results and conclusions of the subject calculation are used in these interfacing calculations and/or documents.		Does the output interface calculation/documents require revision?		Has the output interface calculation/documents been revised?		Discipline manager's signature and date indicating evaluation complete.
		Calculation/Document No.	Revision No.	Calculation/Document No.	Revision No.	Yes	No	Yes	No	
2	NA	DWG # ES-320-M3	0	Calc # W320-27-015	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>[Signature]</i>
		DWG # ES-320-M4	0							
		DWG # ES-320-M5	0							
		DWG # ES-320-M6	0							
		Calc # W320-27-014	2			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
		WHC-SD-W320-FDC-001	2							
		WHC-SD-W320-SEL-033	1							

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HANFORD COMPANY

Calc No. W-320-27-013

Revision No. 23

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DESIGN ANALYSIS

Client WESTINGHOUSE HANFORD COMPANY
 Subject PROCESS PIPE STRESS ANALYSIS
 PROJECT W-320 WASTE RETRIEVAL for TANK 241-C-106
 Location C TANK FARM - 200 W. AREA

WO/Job No. ER4319
 Date 9/3/96
 Checked *P. B. STYKE*
 Revised 11/18/97

Filename PROC-TXT.WP
 By D.L. STONE *DL S*
 By *C.D. JONES*
 By *K. H. JOSE* CHKD: *K. H. JOSE*

3.12.9

OBJECTIVE:

The objectives of this calculation are:

1. To perform static and Safety Class 2 dynamic stress analysis of the Slurry and Supernate Process (inner) piping connecting Tanks 241-C-106 and 241-AY-102 in order to be in compliance with the Code ASME B31.3 (Ref. 1) requirements.
2. To assure the thermal expansion of the process pipe will not be restrained by the outer encasement pipe.
3. To furnish process pipe support to the Civil Engineering group.

DESIGN CRITERIA:

1. Project W320, Tank 241-C-106 Sluicing, *Functional Design Criteria*, (WHC document No. WHC-SD-W320-FDC-001, Rev. 2)
4
2. ASME B31.3-1993, Chemical Plant and Petroleum Refinery Piping
3. A/E Standards GC-LOAD-01, Rev. 0, Design Loads for Facilities
(Now FONW *Criteria # 139, 215, 1217, Design Loads for Facilities*)

3

DESIGN INPUTS:

Design Pressure:	750 ft of Water (320 Psia-cons)	Ref: 12
Design Temperature:	180°F	Ref: 4
Pipe Contents:	Slurry - Specific gravity: 1.2	Ref: 4
Pipe Materials:	Stainless Steel SA 312, Gr TP304L	Ref: 5
Corrosion rate:	2 mils/yr, For 20 years 0.04 (considered as 0.06) (2 year life, but conservative so o.k.)	Ref: 4
Piping Classification:	SC-2	Ref: 5
Building Settlements:	Dy = 0.30" (Considered as 0.40" conservative)	Ref: 7

3

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DESIGN ANALYSIS

Calc No. W-320-27-013
Revision No. 23
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Client WESTINGHOUSE HANFORD COMPANY
Subject PROCESS PIPE STRESS ANALYSIS
PROJECT W-320 WASTE RETRIEVAL for TANK 241-C-106
Location C TANK FARM - 200 W. AREA

WO/Job No. ER4319
Date 9/3/96
Checked 9/25/96
Revised 11/18/97

Filename PROC-TXT.WP
By D.L. STONE DLS
By C. D. J. [unclear]
By K. Hayase CHKS: [unclear] [unclear]
E-12.9

DESIGN METHODOLOGY:

The stress analysis of the slurry and supernate pipes for sustained, thermal and seismic loads has been performed using the computer program "AutoPIPE" Version-4.6 by "Engineering Design Automation" (EDA) (Ref. 3).

SUSTAINED STRESS:

The sustained stress is the summation of longitudinal stresses due to dead weight of the pipe and internal pressure within the pipe. The design pressure of the contents is 750 feet of water which is equivalent to 325 psia (Ref.12). The pipe material is stainless steel ASTM A 312, Grade TP 304L with allowable stress "S" per ASME Code B31.3 of 16,700 psi. The "AutoPIPE" program checks the sustained stress against the Code allowable stress.

THERMAL (DISPLACEMENT) STRESS:

The maximum design temperature of 180°F, in accordance with the project Functional Design Criteria (Ref.4), has been considered in the "AutoPIPE" program. Since the process pipe is anchored to the encasement pipe by welded structures (intermediate anchors), the thermal movements of the encasement pipe are transmitted to the process pipe by inputting the support displacements into the "AutoPIPE" analysis. Displacements are computed for each support based on encasement pipe thermal movements at pipe bends, obtained from Calculation W320-27-014.

The "AutoPIPE" program has been run to qualify the thermal stress to Code B31.3 allowable for displacement stress "Sa".

The thermal expansion of the process pipe calculated by "AutoPIPE" is less than the gap available between the primary and encasement pipes at all bends except at Node Point A95. The thermal expansion of the process pipe in this case has exceeded the available gap by 1/16" (See Page 70). Since the "AutoPIPE" analysis indicates that the maximum thermal stress in the entire system is 16758 psi, compared to a code allowable of 25,050 psi, pipe binding at 1/16" will not cause pipe stresses to exceed the Code Allowable.

~~The building permanent settlements have been considered by allowing the pipe anchor at building penetration to move accordingly. These building settlements have been obtained from Civil/Structural Group (See Ref. 7).~~

SEISMIC STRESS:

Since the primary pipe has been classified as Safety Class 2 Pipe in (Ref.5), Dynamic analysis is performed using "Fig 5" seismic response spectra (5% Damping) from GC-LOAD-01, Rev. 0, Design Loads for Facilities (Ref.2). This response spectra is modelled in "AutoPipe" as "SC2&3".

The seismic stresses from the dynamic analysis are added to the sustained stresses from the static analysis to qualify against ASME B31.3 occasional stress allowable 1.33Sh.

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DESIGN ANALYSIS

Calc No. W-320-27-013

Revision No. 2

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Client WESTINGHOUSE HANFORD COMPANY
Subject PROCESS PIPE STRESS ANALYSIS
PROJECT W-320 WASTE RETRIEVAL for TANK 241-C-106
Location C TANK FARM - 200 W. AREA

WO/Job No. ER4319
Date 9/3/96
Checked *JRS/K*
Revised 1/1

Filename PROC-TXT.WP
By D.L. STONE *DL S*
By *CD Jensen*
By

The encasement pipe seismic movements (Ref. 10) are negligibly small and will not have a significant impact on the process pipe stress analysis. Therefore, these movements are not considered.

ASSUMPTIONS:

The building structure is adequate to withstand the pipe loads.

CALCULATIONS:

Support Displacement Calculations for Slurry Piping	Pages 5 - 45
Support Displacement Calculations for Supernate Piping	Pages 45 - 69
Eccentricity (defines clearance in pipe annulus.)	Page 70
Restraint Reactions as Building Penetrations	Page 71 - 72
"AutoPIPE" analysis for Slurry Piping.	Appendix A
"AutoPIPE" analysis for Supernate Piping.	Appendix B
"AutoPIPE" analysis for Hydrotest Pressure.	Appendix C
Piping Stress Isometric Drawings	Appendix D
Support Documentation	Appendix E

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DESIGN ANALYSIS

Calc No. W-320-27-014

Revision No. 2

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Client WESTINGHOUSE HANFORD COMPANY
Subject ENCASUREMENT PIPE STRESS ANALYSIS
PROJECT W-320 WASTE RETRIEVAL for TANK 241-C-106
Location C TANK FARM - 200 W. AREA

WO/Job No. ER4319

Date 9/3/96

Checked 9/25/96

Revised 1/1

Filename ENC-TEXT.WPW

By D.L. STONE DLS

By C.D. Jones

By

REFERENCES:

1. ASME CODE B31.3-93 & ADDENDA B31.3a-93 "Chemical and Petroleum Refinery"
2. A/E Standards GC-LOAD-01, Rev. 0, Design Loads for Facilities
3. Crane Technical Paper No: 410, 22nd Printing-1986.
4. Computer Program "STAB" (Seismic and Thermal analysis of Buried Piping), Version-0
5. ASME PAPER on "Hand Calculation of Seismic & Thermal Stresses in Buried Pipe" by G.C.K. Yeh. PVP Volume-77, June' 1983.
6. ASME PAPER on "Flexibility analysis of Buried Pipe" By E. C. Goodling. PVP Volume-82, June, 1978.
7. AISI "Modern Sewer Design" First Edition, 1980.
8. Shannon & Wilson Inc. Geotechnical and Environmental Consultants, "Final Report of Geotechnical Engineering Studies, W-320 Waste Retrieval and Sluicing Systems", Dated April 12, 1994.
9. Calculations #W320-33-004, "Earth Cover Shielding Thickness for C-farm Piping", Dated: April 12, 1994. (DSI from G.J.Peter dated April 12,1994)
10. WHC-SD-WM-SEL-033, Rev-1. "Safety Equipment List for 241-C-106 Waste Retrieval, Project W-320"
11. WHC-SD-W320-FDC-001, Rev-2. "Functional Design Criteria for Tank 241-C-106 Waste Retrieval, Project W-320".
12. Project W-320 Construction specifications W320-C1 Rev-0 for M-26a piping material.
13. DSI from C.D.Jones dated March 28, 1994 "Design Pressure for Slurry and Sluice Pumps".

CONCLUSION:

1. As evident from succeeding analysis, Sustained, Seismic and Thermal stresses in the Encasement Pipe have met the Code B31.3-1993 requirements.
2. Seismic & thermal pipe bend displacements are computed and listed on Pages 11 & 12
3. Building penetration Anchor loads are calculated and listed on Page 13.

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HANFORD COMPANY

DESIGN ANALYSIS

Calc No. W-320-27-013

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Client WESTINGHOUSE HANFORD COMPANY
Subject PROCESS PIPE STRESS ANALYSIS
PROJECT W-320 WASTE RETRIEVAL for TANK 241-C-106
Location C TANK FARM - 200 W. AREA

WO/Job No. ER4319

Date 9/3/96

Checked / /

Revised 11/18/97

Filename PROC-TXT.WP

By D.L. STONE

By

By

By

K. Hayses
CHKD: L. Stone
5-2-96

REFERENCES:

1. ASME Code B31.3 and B31.3a-1990 Addenda for "Chemical and Petroleum Refinery."
2. A/E Standards GC-LOAD-01, Rev. 0, Design Loads for Facilities
(New FGD/W Practice # 134.215.1217, Design Loads for Facilities)
3. Computer program "AutoPIPE" Version 4.6 by "Engineering Design Automation."
4. Project W320, Tank 241-C-106 Sluicing, *Functional Design Criteria*, (WHC document No. WHC-SD-W320-FDC-001, Rev. 2A)
5. WHC-SD-W320-SEL-033, Rev.1, "Safety Equipment List for 241-C-106 Waste Retrieval Project W-320."
6. Piping plan and Detail Drawings: H-2-131088 (Sheets 1 to 4) Rev-0, ,
Piping Stress Isometric Drawings: ES-320-M3, ES-320-M4, ES-320-M5, and ES-320-M6
7. ~~Calculation No.: W030-034 Rev-0 for "Recirculation Building - Foundation."~~
9. Calculation No: W-030-011, Rev-1 for "Fouling factor and Corrosion rate."
10. Calculation No: M3-P-R1 Rev-0 for "Encasement Pipe Stress Analysis."
11. Project Specification No: GS-15493-SP, Rev-0 for "Pipe Codes."
W-320-C1 Rev 0, Section 15493, Pipe Code M-9
12. DSI from C.D.Jones P.E., dated March 28, 1994, "Design Pressure for Slurry and Sluice Pumps."

CONCLUSION:

The review of the "AutoPipe" summary results attached as Appendices to this calculation indicates that all pipe stresses are in compliance with the requirements of ASME Code B31.3 requirements.

Rev. 3

Rev 3 of this calculation verified the analysis against the as-built conditions. There are minor dimensional differences between the Autopipe Model and the as-built conditions. However, because these differences are negligible (less than 1 ft), the analysis is still acceptable. Therefore the calculation is acceptable

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: J B S F H
 Revised:

By: D.L. STONE *DLS*
 By: *C.D. Jones*
 By:

THERMAL DISPLACEMENTS for BEND at SLURRY PIPE NODE A03

A01 and A02 Support Displacements corresponding to thermal expansion of Lp leg.

$\theta := 45 \text{ deg}$

Bend Angle

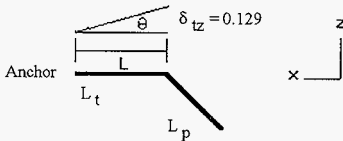
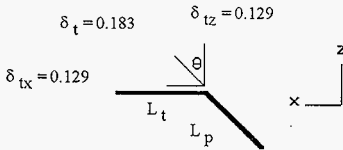
$\delta_t := 0.183$

Thermal expansion of Lp leg as given by STAB. (Local)
 (Calculation # W-320-27-014)

$\delta_{tx} := \delta_t \cos(\theta)$

Components of δ_t (Global)

$\delta_{tz} := \delta_t \sin(\theta)$



Displacement of Lt leg caused by growth of Lp leg.

$N := 3$

Number of pipe segments between bend and anchor in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

0
7.07
9.49
1.5

Lengths of individual pipe segments between bend and anchor in feet.

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
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 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: P. K. R. K.
 Revised:

By: D.L. STONE *DLS*
 By: *C. D. Jones*

$$L_t = \left(\sum_i \text{Seg}_i \right) \cdot 12 \quad L_t = 216.72$$

Total length of Lt leg in inches.

$$L_{i+1} = L_i + (\text{Seg}_i) \cdot 12$$

L_{i+1}
0
84.84
198.72
216.72

Effective pipe length (cumulative) from anchor in inches.

$$\delta_i = \frac{\delta_{iz}}{L_t} \cdot L_{i+1}$$

Support displacement due to δ_i .

Displacements weighted as to distance from anchor (inches).

δ_i (+z)

0
0.051
0.119
0.129

- A00 (Anchor - No displacement.)
 A01 (Displacements < 0.063 are considered negligible.)
 A02 (Vertical-support - Displacements apply at lateral supports, only.)
 A03 (Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: *[Signature]*
Revised:
By: D.L. STONE *DL S*
By: *[Signature]*

A04 and A05 support displacements corresponding to thermal expansion of Lt leg.

$\theta := 45\text{-deg}$

Bend Angle

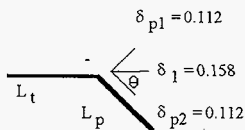
$\delta_1 := 0.158$

Thermal expansion of Lt leg as given by STAB. (Local)
(Calculation # W-320-27-014)

$\delta_{p1} := \delta_1 \cdot \cos(\theta)$

Components of δ_1 . (Global)

$\delta_{p2} := \delta_1 \cdot \sin(\theta)$

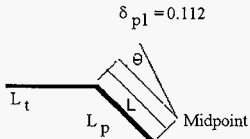


$L := 1.5 + 13.22 + 14.26 + 10.59 + 3.83$

Total distance between adjacent bends.

$\frac{L}{2} - (1.5 + 13.22) = 6.98$

Support A05 to Midpoint.



Displacement of Lp leg caused by growth of Lt leg.

$N := 3$

Number of pipe segments between bend and midpoint in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and midpoint in feet.

0
6.98
13.22
1.5

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 260.4$

Total length of Lp leg (in inches).

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9 / 3 / 96
Checked: *ASTYK*
Revised:
By: D.L. STONE *DLS*
By: *D.J. Stone*
By:

$$L_{i+1} := L_i + (\text{Seg}_i) \cdot 12$$

L_{i+1}
0
83.76
242.4
260.4

Effective pipe length (cumulative) from midpoint in inches.

$$\delta_i := \frac{\delta_{p1}}{L_p} \cdot L_{i+1}$$

Support displacement of L_p leg due to δ_{p1}

δ_i

0	Midpoint
0.036	A05
0.104	A04
0.112	A03

Displacements weighted as to distance from midpoint (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

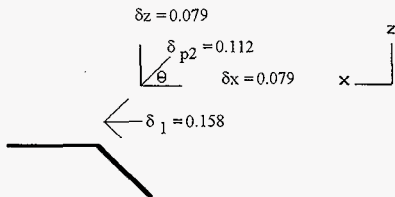
$$\theta := 45 \text{ deg}$$

Orientation Angle of Pipeline

$$\delta_x := \delta_{p1} \cdot \cos(\theta)$$

x,z Coordinates of deflections for input to Autopipe:

$$\delta_z := \delta_{p1} \cdot \sin(\theta)$$



$$\delta_{x_i} := \delta_i \cdot \cos(\theta)$$

$$\delta_{z_i} := \delta_i \cdot \sin(\theta)$$

δ_{x_i} (-x)

0
0.025
0.074
0.079

δ_{z_i} (+z)

0
0.025
0.074
0.079

A00 (Anchor/Midpoint - No displacement.)

A05 (Displacements < 0.063 are considered negligible.)

A04 (Vertical-support - Displacements apply at lateral supports, only.)

A03 (Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
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PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: 9/25/96
Revised:
By: D.L. STONE DLS
By: C.D. Jones

Thermal Displacements for BEND at SLURRRY PIPE NODE A08

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A06 and A07 Support Displacements corresponding to thermal expansion of Lt leg.

$\delta_1 := 0.022$

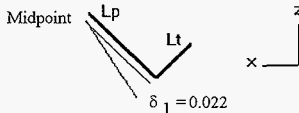
Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$L := 1.5 + 13.22 + 14.26 + 10.59 + 3.83$

Total distance between adjacent bends.

$\frac{L}{2} - (3.83 + 10.59) = 7.28$

A06 to Midpoint.



$N := 3$

Number of pipe segments between bend and midpoint in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and midpoint in feet.

0
6.99
10.59
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 256.92$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from midpoint in inches.

L_{i+1}
0
83.88
210.96
256.92

$\delta_i := \frac{\delta_1}{L} \cdot L_{i+1}$

Support Displacement of Lp leg due to δ_i .

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Revised:
By: D.L. STONE DLS
By: C.D. Jones

δ_i
0
0.007
0.018
0.022

A06
A07
A08

Displacements weighted as to distance from midpoint (inches).

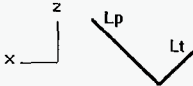
x,z Coordinates of weighted deflections for input to Autopipe:

$\theta := 45\text{-deg}$

Orientation Angle

$\delta_x := \delta_1 \cdot \cos(\theta)$ $\delta_z := \delta_1 \cdot \sin(\theta)$

x,z Coordinates of deflections for input to Autopipe:



$\delta_x = 0.016$

$\delta_1 = 0.022$ $\delta_z = 0.016$

$\delta x_i := \delta_i \cdot \cos(\theta)$ $\delta z_i := \delta_i \cdot \sin(\theta)$

δx_i (+x)
0
0.005
0.013
0.016

δz_i (-z)
0
0.005
0.013
0.016

(Anchor/Midpoint - No displacement.)

- A06 (Displacements < 0.063 are considered negligible.)
- A07 (Vertical-support - Displacements apply at lateral supports, only.)
- A08 (Bend - Displacements apply at supports, only.)

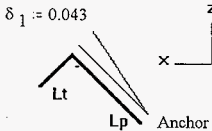
Client: WESTINGHOUSE HANFORD COMPANY
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 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9/3/96
 Checked: *9/25/96*
 Revised:
 By: D.L. STONE *DLS*
 By: *CD Jones*

Thermal Displacements for BEND at SLURRY PIPE NODE A11

Since displacements are applicable only at lateral supports, analysis of offsets with vertical supports, only, has been omitted from this calculation.

A12 to A16 Support displacement corresponding to thermal expansion of Lt leg.



Lateral displacement of L_p leg caused by thermal expansion of L_t leg, provided by STAB. (Calculation # W-320-27-014).

$N := 6$

Number of pipe segments between bend and anchor/midpoint in feet.

$i := 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor/midpoint in feet.

0
12
12
12
12
7.67
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12$ $L_p = 714$

Total length of L_p leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor/midpoint in inches.

L_{i+1}
0
144
288
432
576
668.04
714

Client: WESTINGHOUSE HANFORD COMPANY
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Date: 9 / 3 / 96
Checked: 9/13/96
Revised:

By: D.L. STONE *DIS*
By: *CJ Jones*
By:

$$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$$

Support displacement due to δ_{p1}

δ_i	
0	(Anchor)
0.009	A16
0.017	A15
0.026	A14
0.035	A13
0.04	A12
0.043	A11

Displacements weighted as to distance from Anchor (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

$$\theta = 45 \text{ deg}$$

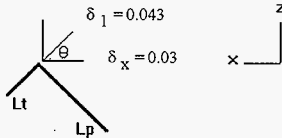
Orientation Angle

$$\delta_x = \delta_1 \cdot \cos(\theta)$$

x,z Coordinates of deflections for input to Autopipe:

$$\delta_z = \delta_1 \cdot \sin(\theta)$$

$$\delta_z = 0.03$$



$$\delta x_i := \delta_i \cdot \cos(\theta)$$

$$\delta z_i := \delta_i \cdot \sin(\theta)$$

δx_i	(-x)
0	
0.006	
0.012	
0.018	
0.025	
0.028	
0.03	

δz_i	(+z)
0	
0.006	A16
0.012	A15
0.018	A14
0.025	A13
0.028	A12
0.03	A11

(Anchor/Midpoint - No displacement.)

(Displacements < 0.063 are considered negligible.)

(Vertical-support - Displacements apply at lateral supports, only.)
(Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

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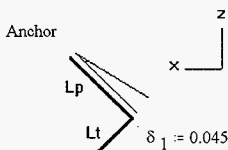
WO/Job No.: ER4319
Date: 9 / 3 / 96
Checked: *T RST/6*
Revised:

By: D.L. STONE *DIS*
By: *CD Jones*
By:

THERMAL DISPLACEMENTS for BEND at SLURRY PIPE NODES A23

Since displacements are appcable only at lateral supports,
analysis of offsets with vertical supports, only, has been omitted from this calculation.

A18 and A21 Support Displacements corresponding to thermal expansion of Lt leg.



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014) .

N := 6

Number of pipe segments between bend and anchor in feet.

i := 0..N L₀ := 0

Individual segment identifier, indexed from 0 to N.

Seg_i :=

0
12
12
12
12
12
7.67
3.83

Lengths of individual pipe segments between bend and anchor in feet.

$$L_p := \left(\sum_i \text{Seg}_i \right) \cdot 12 \quad L_p = 714$$

Total length of Lt leg (in inches).

$$L_{i+1} := L_i + (\text{Seg}_i) \cdot 12$$

L _{i+1}
0
144
288
432
576
668.04
714

Effective pipe length (cumulative) from anchor in inches.

Client: WESTINGHOUSE HANFORD COMPANY
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 Checked: *9/25/96*
 Revised:

By: D.L. STONE *DL5*
K.D. Jensen
 By:

$$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$$

Displacement of Lt leg due to δ_1 .

δ_i

0	(Anchor)
0.009	A18
0.018	A19
0.027	A20
0.036	A21
0.042	A22
0.045	A23

Displacements weighted as to distance from Anchor (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

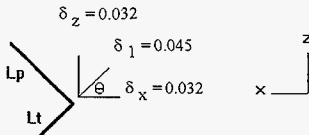
$$\theta := 45 \cdot \text{deg}$$

Orientation Angle

$$\delta_x := \delta_1 \cdot \cos(\theta)$$

x,z Coordinates of deflections for input to Autopipe:

$$\delta_z := \delta_1 \cdot \sin(\theta)$$



$$\delta x_i := \delta_1 \cdot \cos(\theta)$$

$$\delta z_i := \delta_1 \cdot \sin(\theta)$$

δx_i (-x)

0
0.006
0.013
0.019
0.026
0.03
0.032

δz_i (+z)

0
0.006
0.013
0.019
0.026
0.03
0.032

(Anchor/Midpoint - No displacement.)

(Displacements < 0.063 are considered negligible.)

(Vertical-support - Displacements apply at lateral supports, only.)
 (Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
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 Checked: 9/25/96
 Revised:
 By: D.L. STONE DLS
 By: C.D. Jones

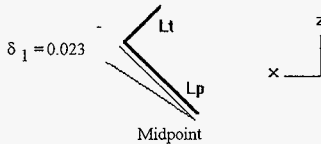
Thermal Displacements for BEND at SLURRY PIPE NODE A26

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

Displacement of Lp leg corresponding to thermal displacement of Lt leg.

$\delta_1 = 0.023$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).



$N := 3$

Number of pipe segments between bend and anchor/midpoint in feet.
 Individual segment identifier, indexed from 0 to N.

$i := 0..N$ $L_0 := 0$

$Seg_i :=$

Lengths of individual pipe segments between bend and midpoint in feet.

0
12.712
9.481
3.855

$L_p := \left(\sum_i Seg_i \right) \cdot 12$ $L_p = 312.576$ Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$ Effective pipe length (cumulative) from midpoint in inches.

L_{i+1}
0
152.544
266.316
312.576

$\delta_i = \frac{\delta_1}{L_p} \cdot L_{i+1}$ Displacement of Lt leg due to δ_1 .

DESIGN ANALYSIS

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WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: J LSTYK
 Revised:

By: D.L. STONE JLS
 By: CJONES

δ_1	(Midpoint)
0	A28
0.011	A28
0.02	A27
0.023	A26

Displacements weighted as to distance from midpoint (inches).

x,z Coordinates of weighted deflections for input to Autopipec:

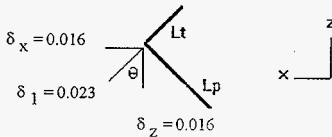
$\theta := 45\text{-deg}$

Orientation Angle

$\delta_x := \delta_1 \cdot \cos(\theta)$

x,z Coordinates of deflections for input to Autopipec:

$\delta_z := \delta_1 \cdot \sin(\theta)$



$\delta_{x_1} := \delta_1 \cdot \cos(\theta)$

$\delta_{z_1} := \delta_1 \cdot \sin(\theta)$

δ_{x_1}	
0	A28
0.008	A28
0.014	A27
0.016	A26

δ_{z_1}	
0	A28
0.008	A28
0.014	A27
0.016	A26

(Anchor/Midpoint - No displacement.)

(Displacements < 0.063 are considered negligible.)

(Vertical-support - Displacements apply at lateral supports, only.

(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9/3/96
 Checked: 9/25/96
 Revised:

By: D.L. STONE DLS
 By: *[Signature]*

THERMAL DISPLACEMENTS for BEND at SLURRY PIPE NODE A32

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

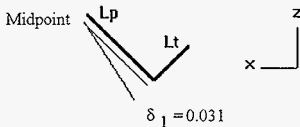
A30 support displacement corresponding to thermal expansion of Lt leg.

$\delta_1 = 0.031$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$L := 12.712 + 9.481 + 3.855$

Total distance between adjacent bends.



$N := 3$

Number of pipe segments between bend and midpoint in feet.

$i := 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and midpoint in feet.

0
12.712
9.481
3.855

$L_p := \left(\sum_i Seg_i \right) \cdot 12$ $L_p = 312.576$ Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$ L_{i+1} Effective pipe length (cumulative) from midpoint in inches.

L_{i+1}
0
152.544
266.316
312.576

$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$

Support displacement due to δ_1 .

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 Date: 9/3/96
 Checked: *R. S. F.*
 Revised:

By: D.L. STONE *DL5*
 By: *D. Jones*

δ_1	(Midpoint)
0	
0.015	A30
0.026	A31
0.031	A32

Displacements weighted as to distance from midpoint (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

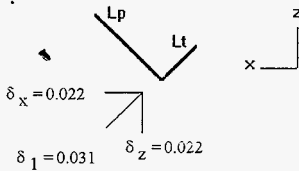
$\theta := 45\text{-deg}$

Orientation Angle

$\delta_x := \delta_1 \cdot \cos(\theta)$

x,z Coordinates of deflections for input to Autopipe:

$\delta_z := \delta_1 \cdot \sin(\theta)$



$\delta_{x_i} := \delta_i \cdot \cos(\theta)$

$\delta_{z_i} := \delta_i \cdot \sin(\theta)$

δ_{x_i}	(+x)
0	
0.011	A30
0.019	A31
0.022	A32

δ_{z_i}	(-z)
0	
0.011	A30
0.019	A31
0.022	A32

(Anchor/Midpoint - No displacement.)

(Displacements < 0.063 are considered negligible.)

(Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

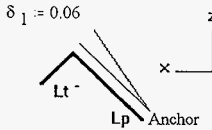
Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9/3/96
 Checked: 7/25/96
 Revised:
 By: D.L. STONE DLS
 By: [Signature]

THERMAL DISPLACEMENTS for BEND at SLURRY PIPE NODE A35

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A36 to A38 Support Displacements corresponding to thermal expansion of Lt leg.



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014)

$N := 4$

Number of pipe segments between bend and anchor in feet.
 Individual segment identifier, indexed from 0 to N.

$i := 0..N$ $L_0 := 0$

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor in feet.

0
12
12
9.81
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12$ $L_p = 451.68$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor in inches.

L_{i+1}
0
144
288
405.72
451.68

$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$

Support displacement due to δ_1 .

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Checked: 9/12/96
Revised:
By: D.L. STONE DLS
By: CD Jones
By:

δ_1	
0	(Anchor)
0.019	A38
0.038	A37
0.054	A36
0.06	A35

Displacements weighted as to distance from anchor (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

$\theta = 45 \cdot \text{deg}$

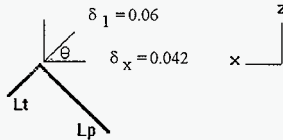
Orientation Angle

$\delta_x := \delta_1 \cdot \cos(\theta)$

x,z Coordinates of deflections for input to Autopipe:

$\delta_z := \delta_1 \cdot \sin(\theta)$

$\delta_z = 0.042$



$\delta x_i := \delta_1 \cdot \cos(\theta)$

$\delta z_i := \delta_1 \cdot \sin(\theta)$

δx_i (-x)

0	
0.014	A38
0.027	A37
0.038	A36
0.042	A35

δz_i (+z)

0	
0.014	A38
0.027	A37
0.038	A36
0.042	A35

(Anchor/Midpoint - No displacement.)
(Displacements < 0.063 are considered negligible.)
(Vertical-support - Displacements apply at lateral supports, only.)
(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
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PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: *RSF*
Revised:
By: D.L. STONE *DLS*
By: *CD*

Thermal Displacements for BEND at SLURRY / SUPERNATE PIPE NODE A43

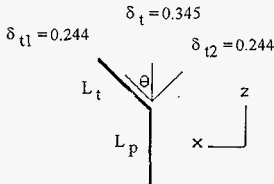
A40 to A42 Support Displacements corresponding to thermal expansion of Lp leg.

$\theta = 45 \text{ deg}$

$\delta_t = 0.345$

$\delta_{t1} = \delta_t \cos(\theta)$

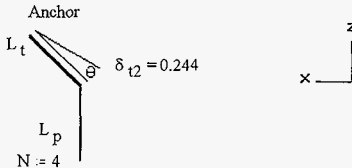
$\delta_{t2} = \delta_t \sin(\theta)$



Bend Angle

Lateral displacement of Lt leg caused by thermal expansion of Lp leg, provided by STAB. (Calculation # W-320-27-014).

Components of δ_t



Weighted deflections of Lt leg due to δ_{t2} .

N := 4

Number of pipe segments between bend and anchor in feet.

$i := 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

Seg_i :=

Lengths of individual pipe segments between bend and anchor in feet.

0
12
12
11.89
1.5

$L_t := \left(\sum_i \text{Seg}_i \right) \cdot 12$ $L_t = 448.68$

Total length of Lt leg.

DESIGN ANALYSIS

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 Date: 9/3/96
 Checked: *RST/6*
 Revised:
 By: D.L. STONE *DLS*
 By: *[Signature]*

$$L_{i+1} := L_i + (\text{Seg}_i) \cdot 12$$

L_{i+1}
0
144
288
430.68
448.68

Effective pipe length (cumulative) from anchor in inches.

$$\delta_i := \frac{\delta_{i2}}{L_t} \cdot L_{i+1}$$

Support displacement due to δ_t

δ_i	Anchor
0	A40
0.078	A41
0.157	A42
0.234	A43
0.244	

Displacements weighted as to distance from anchor / midpoint (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

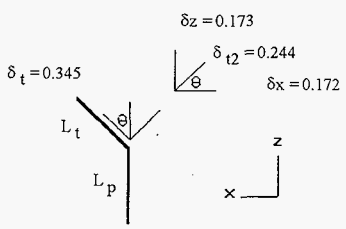
$$\theta := 45\text{-deg}$$

Orientation Angle

$$\delta_x := \delta_{i2} \cdot \cos(\theta)$$

x,z Coordinates of deflections for input to Autopipe:

$$\delta_z := \delta_{i2} \cdot \sin(\theta)$$



$$\delta x_i := \delta_i \cdot \cos(\theta)$$

$$\delta z_i := \delta_i \cdot \sin(\theta)$$

δx_i	(-x)
0	
0.055	A40
0.111	A41
0.166	A42
0.172	A43

δz_i	(+z)
0	
0.055	A40
0.111	A41
0.166	A42
0.173	A43

(Anchor/Midpoint - No displacement.)
 (Displacements < 0.063 are considered negligible.)
 <-----<
 (Vertical-support - Displacements apply at lateral supports, only.)
 (Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: 9/25/96
Revised:
By: D.L. STONE DLS
By: [Signature]
By:

A44 to A48 Support Displacements corresponding to thermal expansion of Lt leg.

$\theta = 45\text{-deg}$

$\delta_1 := 0.273$

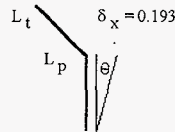
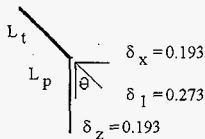
$\delta_x := \delta_1 \cdot \sin(\theta)$

$\delta_z := \delta_1 \cdot \cos(\theta)$

Bend Angle

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

Components of δ_1



Anchor

$N := 6$

$i := 0..N \quad L_0 := 0$

$Seg_i :=$

0
12.75
12.75
13.5
13.5
13.01
1.5

Number of pipe segments between bend and anchor / midpoint in feet.

Individual segment identifier, indexed from 0 to N.

Lengths of individual pipe segments between bend and anchor / midpoint in feet.

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 804.12$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

L_{i+1}
0
153
306
468
630
786.12
804.12

Effective pipe length (cumulative) from anchor / midpoint in inches.

$\delta_i := \frac{\delta_x}{L_p} \cdot L_{i+1}$

Support displacement due to δ_1 .

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
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WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: *9/25/96*
 Revised:
 By: D.L. STONE *DL*
 By: *CD*
 By:

Displacements weighted as to distance from anchor (inches).

δ_i	(-x)	
0		(Anchor/Midpoint - No displacement.)
0.037	A48	(Displacements < 0.063 are considered negligible.)
0.073	A47	<-----
0.112	A46	<-----
0.151	A45	<-----
0.189	A44	(Vertical-support - Displacements apply at lateral supports, only.
0.193	A43	(Bend - Displacements apply at supports, only.)

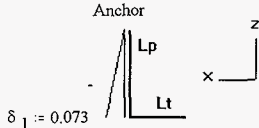
Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9 / 3 / 96
Checked: *AP AS 196*
Revised:
By: D.L. STONE *DIS*
By: *CD Jones*

THEMAL DISPLACEMENTS for BEND at SUPERRNATE / SLURRY PIPE NODE A55

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A50 to A54 Support Displacements corresponding to thermal expansion of Lt leg.



$\delta_1 := 0.073$

$N := 7$

$i := 0..N \quad L_0 := 0$

$Seg_i :=$

0
12.75
12.75
12.75
12.75
12.75
13.25
3.83

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

Number of pipe segments between bend and anchor / midpoint in feet.
Individual segment identifier, indexed from 0 to N.

Lengths of individual pipe segments between bend and anchor / midpoint in feet.

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 969.96$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

0
153
306
459
612
765
924
969.96

Effective pipe length (cumulative) from anchor / midpoint in inches.

$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$

Support displacement due to δ_1 .

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: *[Signature]*
 Revised:

By: D.L. STONE *DLS*
 By: *[Signature]*
 By:

Displacements weighted as to distance from anchor / midpoint (inches).

δ_i (+x)

0
0.012
0.023
0.035
0.046
0.058
0.07
0.073

(Anchor/Midpoint - No displacement.)

A50
 A51
 A52 (Displacements < 0.063 are considered negligible.)
 A53
 I 53

A54 (Vertical-support - Displacements apply at lateral supports, only.)
 A55 (Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: *D. Stone*
Revised: *7/25/96*
By: D.L. STONE *DS*
By: *D. Stone*

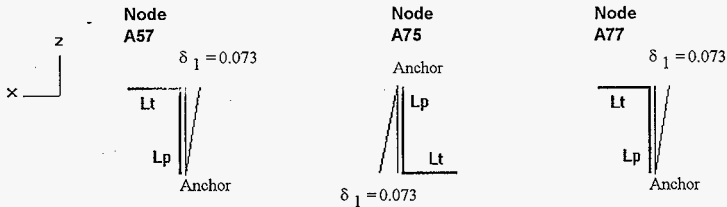
Thermal Displacements for BEND at SUPERRNATE / SLURRY PIPE NODES A57, A75 and A77

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

Support Displacements corresponding to thermal expansion of Lt leg.

$\delta_1 := 0.073$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).



$N := 9$

Number of pipe segments between bend and anchor / midpoint in feet.

$i := 0..N$

$L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor / midpoint in feet.

0
13.33
13.33
13.33
13.33
13.33
13.33
13.33
13.44
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 1.327 \cdot 10^3$

Total length of Lt leg (in inches).

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

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Date: 9 / 3 / 96
Checked: *[Signature]*
Revised: *[Signature]*
By: D.L. STONE *DLS*
By: *[Signature]*
By: *[Signature]*

$$L_{i+1} := L_i + (\text{Seg}_i) \cdot 12$$

L_{i+1}
0
159.96
319.92
479.88
639.84
799.8
959.76
$1.12 \cdot 10^3$
$1.281 \cdot 10^3$
$1.327 \cdot 10^3$

Effective pipe length (cumulative) from anchor / midpoint in inches.

$$\delta_i := \frac{\delta}{L_p} \cdot L_{i+1}$$

Support displacement due to δ_i .

Displacements weighted as to distance from anchor / midpoint (inches).

δ_i	Node A57 (-x)	Node A75 (+x)	Node A77 (-x)
0			
0.009			
0.018			
0.026			
0.035			
0.044			
0.053			
0.062			
0.07			
0.073			

(Anchor/Midpoint - No displacement.)

(Displacements < 0.063 are considered negligible.)

(Vertical-support - Displacements apply at lateral supports, only.
(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: 9/25/96
 Revised:
 By: D.L. STONE DLS
 By: *[Signature]*

THERMAL DISPLACEMENTS for BEND at SUPERRNATE / SLURRY PIPE NODE A95

A96 and A97 Support Displacements corresponding to thermal expansion of Lp leg.

$\delta_t := 0.472$

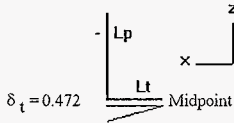
Lateral displacement of Lt leg caused by thermal expansion of Lp leg, provided by STAB. (Calculation # W-320-27-014).

$L := (2 \cdot 3.83) + (2 \cdot 11.25) + 11.84$

Total distance between adjacent bends.

$\frac{L}{2} - (3.83 + 11.25) = 5.92$

A97 to Midpoint.



$N := 3$

Number of pipe segments between bend and midpoint in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

0
5.92
11.25
3.83

Lengths of individual pipe segments between bend and midpoint in feet.

$L_t := \left(\sum_i Seg_i \right) \cdot 12 \quad L_t = 252$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from midpoint in inches.

L_{i+1}
0
71.04
206.04
252

$\delta_i := \frac{\delta_t}{L_t} \cdot L_{i+1}$

Support displacement due to δ_t

δ_i (-z)

Displacements weighted as to distance from midpoint (inches).

0
0.133
0.386
0.472

A97
 A96
 A95

(Anchor/Midpoint - No displacement.)

(Vertical-support - Displacements apply at lateral supports, only.
 (Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

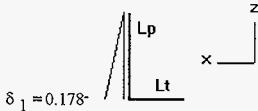
WO/Job No.: ER4319
Date: 9 / 3 / 96
Checked: 9/17/96
Revised:
By: D.L. STONE *DL*
By: *C. Jones*
By:

A87 to A94 Support Displacements corresponding to thermal expansion of Lt leg.

$\delta_1 = 0.178$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

Anchor



$N := 9$

Number of pipe segments between bend and anchor / midpoint in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor / midpoint in feet.

0
13.33
13.33
13.33
13.33
13.33
13.33
13.33
13.44
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 1.327 \cdot 10^3$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor / midpoint in inches.

L_{i+1}
0
159.96
319.92
479.88
639.84
799.8
959.76
$1.12 \cdot 10^3$
$1.281 \cdot 10^3$
$1.327 \cdot 10^3$

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: 9/25/96
 Revised:

By: D.L. STONE DLS
 By: *[Signature]*

$$\delta_i := \frac{\delta_1}{L_p} L_{i+1}$$

Support displacement due to δ_1 .

Displacements weighted as to distance from anchor / midpoint (inches).

δ_i	(+x)	
0		(Anchor/Midpoint - No displacement.)
0.021	A87	(Displacements < 0.063 are considered negligible.)
0.043	A88	(Displacements < 0.063 are considered negligible.)
0.064	A89	<-----
0.086	A90	<-----
0.107	A91	<-----
0.129	A92	<-----
0.15	A93	<-----
0.172	A94	(Vertical-support - Displacements apply at lateral supports, only.)
0.178	A95	(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9 / 3 / 96
Checked: *P B 5/96*
Revised:
By: D.L. STONE *DL S*
By: *CD Jensen*

THEMAL DISPLACEMENTS for BEND at SUPERRNATE / SLURRY PIPE NODE A100

A98 and A99 Support Displacements corresponding to thermal expansion of Lp leg.

$\delta_t = 0.411$

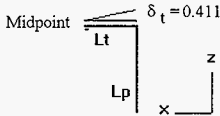
Lateral displacement of Lt leg caused by thermal expansion of Lp leg, provided by STAB. (Calculation # W-320-27-014).

$L = (2 \cdot 3.83) + (2 \cdot 11.25) + 11.84$

Total distance between adjacent bends.

$\frac{L}{2} - (3.83 + 11.25) = 5.92$

Segment adjacent to Midpoint.



$N := 3$

Number of pipe segments between bend and anchor / midpoint in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor / midpoint in feet.

0
5.92
11.25
3.83

$L_t := \left(\sum_i Seg_i \right) \cdot 12$

$L_t = 252$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

L_{i+1}
0
71.04
206.04
252

Effective pipe length (cumulative) from anchor / midpoint in inches.

$\delta_i := \frac{\delta_t}{L_t} \cdot L_{i+1}$

Support displacement due to δ_t

Displacements weighted as to distance from anchor / midpoint (inches).

$\delta_i \quad (+z)$

0
0.116
0.336
0.411

A98

A99

A100

(Anchor/Midpoint - No displacement.)



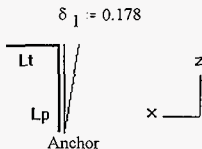
(Vertical-support - Displacements apply at lateral supports, only.)

(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9/3/96
 Checked: PDS/H/6
 Revised:
 By: D.L. STONE JLS
 By: [Signature]

Deflection of Lp leg corresponding to thermal displacement of Lt leg.



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$N := 7$

Number of pipe segments between bend and anchor / midpoint in feet.

$i := 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor / midpoint in feet.

0
12.25
12.25
12.25
12.25
12.25
13
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12$ $L_p = 936.96$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor / midpoint in inches.

L_{i+1}
0
147
294
441
588
735
891
936.96

$\delta_1 := \frac{\delta_1}{L_p} \cdot L_{i+1}$

Support displacement due to δ_1 .

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: *9/25/96*
 Revised:
 By: D.L. STONE DLS
 By: *C.D. Jensen*
 By:

Displacements weighted as to distance from anchor / midpoint (inches).

δ_i (-x)

.0		(Anchor/Midpoint - No displacement.)
0.028	A106	(Displacements < 0.063 are considered negligible.)
0.056	A105	(Displacements < 0.063 are considered negligible.)
0.084	A104	<-----
0.112	A103	<-----
0.14	A102	<-----
0.169	A101	(Vertical-support - Displacements apply at lateral supports, only.
0.178	A100	(Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

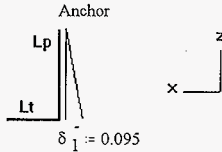
Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: *9/15/96*
 Revised:
 By: D.L. STONE *DLS*
 By: *CPD*

THERMAL DISPLACEMENTS for BEND at SUPERRNATE / SLURRY PIPE NODE A114

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A108 to A113 Support Displacements corresponding to thermal expansion of Lt leg.



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014) .

N := 9

Number of pipe segments between bend and anchor in feet.

i := 0..N L₀ := 0

Individual segment identifier, indexed from 0 to N.

Seg_i :=

Lengths of individual pipe segments between bend and anchor in feet.

0
12.25
12.25
12.25
2.88
1.62
11
11
11
3.83

$$L_p := \left(\sum_i \text{Seg}_i \right) \cdot 12 \quad L_p = 936.96$$

Total length of Lt leg (in inches).

$$L_{i+1} := L_i + (\text{Seg}_i) \cdot 12$$

Effective pipe length (cumulative) from anchor in inches.

L _{i+1}
0
147
294
441
475.56
495
627
759
891
936.96

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9 / 3 / 96
Checked: P. R. S. 196
Revised:
By: D.L. STONE DLS
By: C.D. Jones
By:

$$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$$

Support displacement due to δ_1 .

Displacements weighted as to distance from anchor (inches).

δ_i (-x)

δ_i		(-x)	
0			(Anchor/Midpoint - No displacement.)
0.015	A108		(Displacements < 0.063 are considered negligible.)
0.03	A109		(Displacements < 0.063 are considered negligible.)
0.045	A110		(Displacements < 0.063 are considered negligible.)
0.048	A111		(Displacements < 0.063 are considered negligible.)
0.05	A112		(Displacements < 0.063 are considered negligible.)
0.064	I112	<-----	
0.077	I113	<-----	
0.09			
0.095	A113		(Vertical-support - Displacements apply at lateral supports, only.)
	A114		(Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

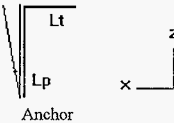
WO/Job No.: ER4319
Date: 9/3/96
Checked: *G B S Y P*
Revised:
By: D.L. STONE *DL S*
By: *CD Jones*
By:

THEMAL DISPLACEMENTS for BEND at SUPERRNATE / SLURRY PIPE NODE A117

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A118 to A124 Support Displacements corresponding to thermal expansion of Lt leg.

$\delta_1 := 0.095$



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$N := 8$

Number of pipe segments between bend and anchor in feet.

$i := 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor in feet.

0
13.83
13.83
13.83
13.83
13.83
13.83
13.74
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12$

$L_p = 1.207 \cdot 10^3$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor in inches.

L_{i+1}
0
165.96
331.92
497.88
663.84
829.8
995.76
$1.161 \cdot 10^3$
$1.207 \cdot 10^3$

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: *9/25/96*
 Revised:

By: D.L. STONE *DLS*
 By: *C.D. Jensen*
 By:

$$\delta_i := \frac{\delta_1}{L_P} \cdot L_{i+1}$$

Displacements weighted as to distance from anchor (inches).

Support displacement due to δ_1 .

δ_1 (+x)

0	(Anchor - No displacement.)
0.013	A124 (Displacements < 0.063 are considered negligible.)
0.026	A123 (Displacements < 0.063 are considered negligible.)
0.039	A122 (Displacements < 0.063 are considered negligible.)
0.052	A121 (Displacements < 0.063 are considered negligible.)
0.065	A120 <-----
0.078	A119 <-----
0.091	
0.095	A118 (Vertical-support - Displacements apply at lateral supports, only.)
	A117 (Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

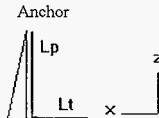
WO/Job No.: ER4319
Date: 9 / 3 / 96
Checked: *P. R. S. F. G.*
Revised:

By: D.L. STONE *DLS*
By: *[Signature]*

THERMAL DISPLACEMENTS for BEND at SUPERRNATE / SLURRY PIPE NODE A133

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A126 to A131 Support Displacements corresponding to thermal expansion Lt leg.



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$\delta_1 := 0.082$

$N := 8$

$i := 0..N$ $L_0 := 0$

$Seg_i :=$

0
13.83
13.83
13.83
13.83
13.83
13.83
13.74
3.83

Number of pipe segments between bend and anchor in feet.
Individual segment identifier, indexed from 0 to N.

Lengths of individual pipe segments between bend and anchor in feet.

$L_p := \left(\sum_i Seg_i \right) \cdot 12$

$L_p = 1.207 \cdot 10^3$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

L_{i+1}
0
165.96
331.92
497.88
663.84
829.8
995.76
$1.161 \cdot 10^3$
$1.207 \cdot 10^3$

Effective pipe length (cumulative) from anchor in inches.

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96 By: D.L. STONE *DLS*
 Checked: *9/12/96* By: *[Signature]*
 Revised: By:

$$\delta_i := \frac{\delta_1}{L} \cdot L_{i+1} \quad \text{Support displacement due to } \delta_1.$$

δ_i (+X) Displacements weighted as to distance from anchor (inches).

0	(Anchor - No displacement.)
0.011	A126 (Displacements < 0.063 are considered negligible.)
0.023	A127
0.034	A128
0.045	
0.056	A129
0.068	A130
0.079	A131 ←-----
0.082	A132 (Vertical-support - Displacements apply at lateral supports, only.)
	A133 (Bend - Displacements apply at supports, only.)

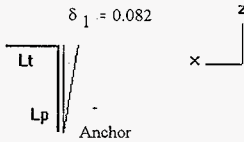
Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9/3/96
 Checked: *GR STP*
 Revised:
 By: D.L. STONE *Dis*
 By: *CD Jones*

THEMAL DISPLACEMENTS for BEND at SUPERRNATE / SLURRY PIPE NODE A135

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A136 to A142 Support Displacement corresponding to thermal expansion of Lt leg.



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

N := 8

Number of pipe segments between bend and anchor in feet.

i := 0..N L₀ := 0

Individual segment identifier, indexed from 0 to N.

Seg_i :=

Lengths of individual pipe segments between bend and anchor in feet.

0
13.83
13.83
13.83
13.83
13.83
13.83
13.75
3.83

$$L_p := \left(\sum_i \text{Seg}_i \right) \cdot 12 \quad L_p = 1.207 \cdot 10^3$$

Total length of Lt leg (in inches).

$$L_{i+1} = L_i + (\text{Seg}_i) \cdot 12$$

Effective pipe length (cumulative) from anchor in inches.

L _{i+1}
0
165.96
331.92
497.88
663.84
829.8
995.76
1.161 · 10 ³
1.207 · 10 ³

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: *WST/6*
Revised:
By: D.L. STONE *DIS*
By: *CD*

$$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1} \quad \text{Support displacement due to } \delta_1.$$

Displacements weighted as to distance from anchor (inches).

δ_i	(-X)	
0		(Anchor - No displacement.)
0.011	A142	
0.023	A141	
0.034	A140	(Displacements < 0.063 are considered negligible.)
0.045	A139	
0.056	A138	
0.068	A137	<-----
0.079	A136	(Vertical-support - Displacements apply at lateral supports, only.)
0.082	A135	(Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: *BS*
Revised:

By: D.L. STONE *DLS*
CDJ
By:

THERMAL DISPLACEMENTS for BEND at SLURRY PIPE NODE 151

A152 and A153 Support Displacements corresponding to thermal expansion of Lp leg.

$\delta_t := 0.456$

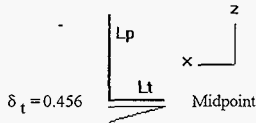
Lateral displacement of Lt leg caused by thermal expansion of Lp leg, provided by STAB. (Calculation # W-320-27-014).

$L := (2 \cdot 3.83) + 13 + 5.88 + 7.12 + 12.88$

Total distance between adjacent bends.

$\frac{L}{2} - (3.83 + 13) = 6.44$

Segment adjacent to Midpoint.



$N := 3$

Number of pipe segments between bend and midpoint in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and midpoint in feet.

0
6.44
13
3.83

$L_t := \left(\sum_i Seg_i \right) \cdot 12 \quad L_t = 279.24$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor in inches.

0
77.28
233.28
279.24

$\delta_i := \frac{\delta_t}{L_t} L_{i+1}$

Support displacement due to δ_t .

Displacements weighted as to distance from midpoint (inches).

δ_i	(-z)
0	
0.126	A153
0.381	A152
0.456	A151

(Midpoint - No displacement.)

(Vertical-support - Displacements apply at lateral supports, only.)
(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

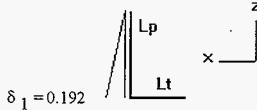
WO/Job No.: ER4319
Date: 9 / 3 / 96
Checked: *AST/96*
Revised:
By: D.L. STONE *DLS*
By: *C. Jones*

A144 to A150 Support Displacements corresponding to thermal expansion of Lt leg.

$\delta_1 = 0.192$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

Anchor



$N = 8$

Number of pipe segments between bend and anchor in feet.

$i = 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor in feet.

0
13.83
13.83
13.83
13.83
13.83
13.83
13.75
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 1.207 \cdot 10^3$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor in inches.

L_{i+1}
0
165.96
331.92
497.88
663.84
829.8
995.76
$1.161 \cdot 10^3$
$1.207 \cdot 10^3$

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

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 Date: 9/3/96 By: D.L. STONE JLS
 Checked: 9/25/96 By: C.D. JONG
 Revised: By:

$$\delta_i = \frac{\delta_1}{L} L_{i+1} \quad \text{Support displacement due to } \delta_1.$$

Displacements weighted as to distance from anchor (inches).

δ_i	(+x)	
0		(Anchor - No displacement.)
0.026	A144	(Displacements < 0.063 are considered negligible.)
0.053		
0.079	A146	<-----
0.106	A147	<-----
0.132	A148	<-----
0.158	A149	<-----
0.185	A150	(Vertical-support - Displacements apply at lateral supports, only.)
0.192	A151	(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
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Checked: 9/12/96
Revised:
By: D.L. STONE DLS
By: [Signature]By:

THEMAL DISPLACEMENTS for BEND at SLURRY PIPE NODE A157

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A155 and A156 Support Displacements corresponding to thermal expansion of Lt leg.

$\delta_1 = 0.025$

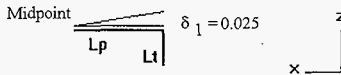
Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$L = (3.83 \cdot 2) + 13 + 5.88 + 7.12 + 12.88$

Total distance between adjacent bends.

$\frac{L}{2} - (3.83 + 12.88) = 6.56$

Segment adjacent to Midpoint.



$N := 3$

Number of pipe segments between bend and midpoint in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and midpoint in feet.

0
6.56
12.88
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 279.24$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from midpoint in inches.

0
78.72
233.28
279.24

$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$

Support displacement due to δ_1 .

Displacements weighted as to distance from midpoint (inches).

δ_i	(+z)
0	
0.007	A155
0.021	A156
0.025	A157

(Midpoint - No displacement.)
(Displacements < 0.063 are considered negligible.)
(Vertical-support - Displacements apply at lateral supports, only.)
(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
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PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

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Checked: *RSF/6*
Revised:
By: D.L. STONE *DLS*
By: *CD*

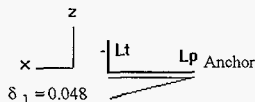
THERMAL DISPLACEMENTS for BEND at SLURRY PIPE NODES A160, A166 and A169

Since displacements are applicable only at lateral supports, analyses of offsets with only anchors or vertical supports have been omitted from this calculation.

A162 and A164 Support Displacements corresponding to thermal expansion of Lt leg.

$\delta_1 = 0.048$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).



$N := 3$

Number of pipe segments between bend and anchor in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor in feet.

0
14
10.92
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 345$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor in inches.

L_{i+1}
0
168
299.04
345

$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$

Support displacement due to δ_1 .

Displacements weighted as to distance from anchor (inches).

$\delta_i \quad (-Z)$

0
0.023
0.042
0.048

(Anchor - No displacement.)

A162 A164 (Displacements < 0.063 are considered negligible.)
A161 A165 (Vertical-support - Displacements apply at lateral supports, only.)
A160 A166 (Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9/3/96 By: D.L. STONE DLS
 Checked: 9/25/96 By: C.D. Jones
 Revised: By:

THERMAL DISPLACEMENTS for BEND at SUPERNATE PIPE NODE A03

A01 and A02 Support Displacements corresponding to thermal expansion of Lp leg.

$\theta := 45\text{-deg}$

Bend Angle

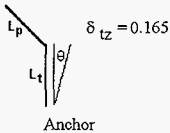
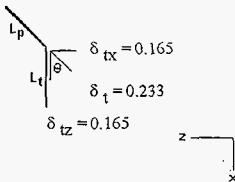
$\delta_t := 0.233$

Lateral displacement of Lt leg caused by thermal expansion of Lp leg, provided by STAB. (Calculation # W-320-27-014).

$\delta_{tx} := \delta_t \cos(\theta)$

$\delta_{tz} := \delta_t \sin(\theta)$

Components of δ_t (Global)



Displacement of Lt leg caused by growth of Lp leg.

$N := 3$

Number of pipe segments between bend and anchor in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

0
6.62
8.67
1.5

Lengths of individual pipe segments between bend and anchor in feet.

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: *9/15/96*
 Revised:
 By: D.L. STONE *Dis*
 By: *C.D. Stone*
 By:

$$L_t := \left(\sum_i \text{Seg}_i \right) \cdot 12 \quad L_t = 201.48$$

Total length of Lt leg in inches.

$$L_{i+1} := L_i + (\text{Seg}_i) \cdot 12$$

L_{i+1}
0
79.44
183.48
201.48

Effective pipe length (cumulative) from anchor in inches.

$$\delta_i := \frac{\delta_{tz}}{L_t} \cdot L_{i+1}$$

Support displacement due to δ_t

Displacements weighted as to distance from anchor (inches).

$$\delta_i \quad (-z)$$

0
0.065
0.15
0.165

- A00 (Anchor - No displacement.)
 A01 <-----
 A02 (Vertical-support - Displacements apply at lateral supports, only.)
 A03 (Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
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WO/Job No.: ER4319
Date: 9/3/96 By: D.L. STONE DLS
Checked: 9/25/96 By: e.D. Stone
Revised: By:

A04 and A05 support displacements corresponding to thermal expansion of Lt leg.

$\theta = 45 \text{ deg}$

Bend Angle

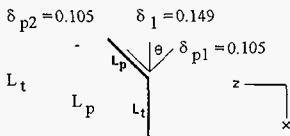
$\delta_1 = 0.149$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$\delta_{p1} = \delta_1 \cos(\theta)$

$\delta_{p2} = \delta_1 \sin(\theta)$

Components of δ_1 . (Global)



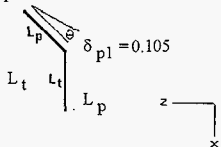
$L := 1.06 + (4 \cdot 11) + 5.98 + 4.33 + 3.83$

Total distance between adjacent bends.

$\frac{L}{2} - (1.5 + (2 \cdot 11)) = 6.1$

Support A05 to Midpoint.

Midpoint



Displacement of Lp leg caused by growth of Lt leg.

$N := 4$

Number of pipe segments between bend and midpoint in feet.

$i := 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

0
6.1
11
11
1.5

Lengths of individual pipe segments between bend and midpoint in feet.

$L_p := \left(\sum_i Seg_i \right) \cdot 12$ $L_p = 355.2$

Total length of Lp leg (in inches).

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
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Date: 9/3/96 By: D.L. STONE DLS
Checked: 9/12/96 By: [Signature]
Revised: By:

$$L_{i+1} := L_i + (\text{Seg}_i) \cdot 12$$

L_{i+1}
0
73.2
205.2
337.2
355.2

Effective pipe length (cumulative) from midpoint in inches.

$$\delta_i := \frac{\delta_{p1}}{L_p} \cdot L_{i+1}$$

Support displacement of Lp leg due to δ_{p1}

δ_i

0	Midpoint
0.022	A06
0.061	A05
0.1	A04
0.105	A03

Displacements weighted as to distance from midpoint (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

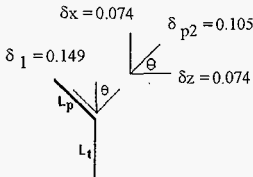
$$\theta := 45\text{-deg}$$

Orientation Angle of Pipeline

$$\delta_x := \delta_{p1} \cdot \cos(\theta)$$

x,z Coordinates of deflections for input to Autopipe:

$$\delta_z := \delta_{p1} \cdot \sin(\theta)$$



$$\delta_{x_1} := \delta_1 \cdot \cos(\theta)$$

$$\delta_{z_1} := \delta_1 \cdot \sin(\theta)$$

δ_{x_1} (-x)

0	
0.015	A06
0.043	A05
0.071	A04
0.074	A03

δ_{z_1} (-z)

0	
0.015	A06
0.043	A05
0.071	A04
0.074	A03

(Midpoint - No displacement.)

(Displacements < 0.063 are considered negligible.)

(Vertical-support - Displacements apply at lateral supports, only.)
(Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
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PROCESS PIPE STRESS ANALYSIS
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Checked: 9/25/96
Revised:
By: D.L. STONE JLS
By: C. D. Jones
By:

THEMAL DISPLACEMENTS for BEND at SUPERNATE PIPE NODE A10

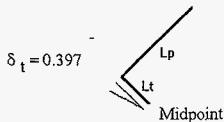
A07 and A08 Support Displacements corresponding to thermal expansion of Lp leg.

$\delta_t = 0.397$

Lateral displacement of Lt leg caused by thermal expansion of Lp leg, provided by STAB. (Calculation # W-320-27-014).

$L = 1.06 + (4-11) + 5.98 + 4.33 + 3.83$ Total distance between adjacent bends.

$\frac{L}{2} - (3.83 + 4.33 + 5.98 + 11) = 4.46$ Segment adjacent to Midpoint.



$N = 4$

Number of pipe segments between bend and anchor / midpoint in feet.

$i = 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor / midpoint in feet.

0
4.46
11
10.31
3.83

$L_t := \left(\sum_i Seg_i \right) \cdot 12$ $L_t = 355.2$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor / midpoint in inches.

L_{i+1}
0
53.52
185.52
309.24
355.2

$\delta_i := \frac{\delta_t}{L_t} L_{i+1}$

Support displacement due to δ_t

Displacements weighted as to distance from midpoint (inches).

δ_i
0
0.06
0.207
0.346
0.397

A07
A08
A09
A10

Client: WESTINGHOUSE HANFORD COMPANY
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Revised:
By: D.L. STONE *Dis*
By: *Stone*
By:

x,z Coordinates of weighted deflections for input to Autopipe:

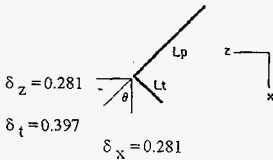
$\theta := 45 \text{ deg}$

Orientation Angle

$\delta_x := \delta_t \cdot \cos(\theta)$

x,z Coordinates of deflections for input to Autopipe:

$\delta_z := \delta_t \cdot \sin(\theta)$



$\delta x_i := \delta_i \cdot \cos(\theta)$

$\delta z_i := \delta_i \cdot \sin(\theta)$

δx_i	(+x)
0	
0.042	
0.147	
0.244	
0.281	

δz_i	(+z)
0	
0.042	A07
0.147	A08
0.244	A09
0.281	A10

(Anchor/Midpoint - No displacement.)
(Displacements < 0.063 are considered negligible.)

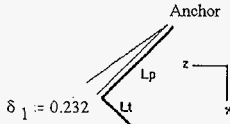
<-----

(Vertical-support - Displacements apply at lateral supports, only.)
(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
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Date: 9/3/96
Checked: 7/25/96
Revised:
By: D.L. STONE *DLs*
CDJ/ma
By:

A12 to A16 Support Displacements corresponding to thermal expansion of Lt leg.



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$N = 7$

Number of pipe segments between bend and anchor in feet.

$i = 0..N$ $L_0 = 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor in feet.

0
12
12
12
12
12
8.67
3.83

$$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 870$$

Total length of Lt leg (in inches).

$$L_{i+1} := L_i + (Seg_i) \cdot 12$$

L_{i+1}
0
144
288
432
576
720
824.04
870

Effective pipe length (cumulative) from anchor in inches.

$$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$$

Support displacement due to δ_1 .

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: 7/25/96
Revised:
By: D.L. STONE *DLS*
By: *CDN*

Displacements weighted as to distance from anchor (inches).

δ_1	(-x)
0	
0.038	A16
0.077	A15
0.115	A14
0.154	A13
0.192	A12
0.22	A11
0.232	A10

x,z Coordinates of weighted deflections for input to Autopipe:

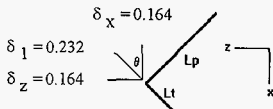
$\theta := 45 \text{ deg}$

Orientation Angle

$\delta_x := \delta_1 \cdot \cos(\theta)$

x,z Coordinates of deflections for input to Autopipe:

$\delta_z := \delta_1 \cdot \sin(\theta)$



$\delta x_1 := \delta_1 \cdot \cos(\theta)$

$\delta z_1 := \delta_1 \cdot \sin(\theta)$

δx_1 (-x)

0
0.027
0.054
0.081
0.109
0.136
0.155
0.164

δz_1 (+z)

0
0.027
0.054
0.081
0.109
0.136
0.155
0.164

(Anchor - No displacement.)

(Displacements < 0.063 are considered negligible.)

<-----
<-----
<-----

(Vertical-support - Displacements apply at lateral supports, only.)
(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

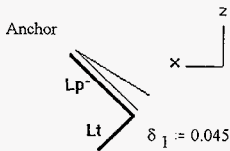
WO/Job No.: ER4319
 Date: 9/3/96
 Checked: T B S P
 Revised:

By: D.L. STONE *DIS*
 By: *CD Jensen*
 By:

THERMAL DISPLACEMENTS for BEND at SUPERNATE PIPE NODE A23

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

Deflection of Lp leg corresponding to thermal displacement of Lt leg.



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

N := 6

Number of pipe segments between bend and anchor in feet.

i := 0..N L₀ := 0

Individual segment identifier, indexed from 0 to N.

Seg_i :=

0
12
12
12
12
12
8.67
5.83

Lengths of individual pipe segments between bend and anchor in feet.

$$L_p := \left(\sum_i \text{Seg}_i \right) \cdot 12 \quad L_p = 726$$

Total length of Lt leg (in inches).

$$L_{i+1} := L_i + (\text{Seg}_i) \cdot 12$$

Effective pipe length (cumulative) from anchor in inches.

L _{i+1}
0
144
288
432
576
680.04
726

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96 By: D.L. STONE DLS
Checked: 9/13/96 By: CD Jones
Revised: By:

$$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$$

Displacement of Lt leg due to δ_1 .

δ_i	
0	(Anchor)
0.009	A18
0.018	A19
0.027	A20
0.036	A21
0.042	A22
0.045	A23
-	

Displacements weighted as to distance from Anchor (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

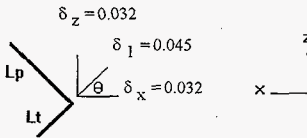
$$\theta := 45\text{-deg}$$

Orientation Angle

$$\delta_x := \delta_1 \cdot \cos(\theta)$$

x,z Coordinates of deflections for input to Autopipe:

$$\delta_z := \delta_1 \cdot \sin(\theta)$$



$$\delta_{x_i} := \delta_i \cdot \cos(\theta)$$

$$\delta_{z_i} := \delta_i \cdot \sin(\theta)$$

δ_{x_i} (-x)

0
0.006
0.013
0.019
0.025
0.03
0.032

δ_{z_i} (+z)

0
0.006
0.013
0.019
0.025
0.03
0.032

(Anchor - No displacement.)

A18
A19 (Displacements < 0.063 are considered negligible.)

A20
A21

A22 (Vertical-support - Displacements apply at lateral supports, only.)
A23 (Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

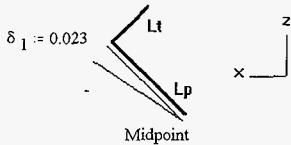
Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: 9/15/96
Revised:
By: D.L. STONE DIS
By: C.D. Stone

THERMAL DISPLACEMENTS for BEND at SUPERNATE PIPE NODE A26

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

Displacement of Lp leg corresponding to thermal displacement of Lt leg.



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$N := 3$

Number of pipe segments between bend and anchor/midpoint in feet.

$i := 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and midpoint in feet.

0
12.719
8.308
3.857

$L_p := \left(\sum_i Seg_i \right) \cdot 12$ $L_p = 298.608$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from midpoint in inches.

L_{i+1}
0
152.628
252.324
298.608

$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$

Displacement of Lt leg due to δ_1 .

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9/3/96
 Checked: 9/13/96
 Revised:
 By: D.L. STONE DLS
 By: C.D. Jones
 By:

δ_i	(Midpoint)
0	A28
0.012	A27
0.019	A26
0.023	A26

Displacements weighted as to distance from midpoint (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

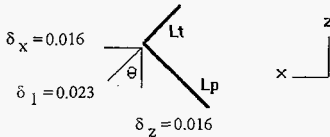
$\theta = 45 \text{ deg}$

Orientation Angle

$\delta_x = \delta_1 \cdot \cos(\theta)$

x,z Coordinates of deflections for input to Autopipe:

$\delta_z = \delta_1 \cdot \sin(\theta)$



$\delta x_i = \delta_1 \cdot \cos(\theta)$

$\delta z_i = \delta_1 \cdot \sin(\theta)$

δx_i	
0	
0.008	A28
0.014	A27
0.016	A26

δz_i	
0	
0.008	A28
0.014	A27
0.016	A26

(Anchor/Midpoint - No displacement.)

(Displacements < 0.063 are considered negligible.)

(Vertical-support - Displacements apply at lateral supports, only.)

(Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: 7/12/96
Revised:
By: D.L. STONE DLS
By: CD Jones
By:

THERMAL DISPLACEMENTS for BEND at SUPERNATE PIPE NODE A32

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

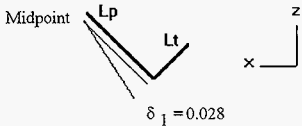
A30 support displacement corresponding to thermal expansion of Lt leg.

$d_1 := 0.028$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$L := 12.719 + 8.308 + 3.857$

Total distance between adjacent bends.



$N := 3$

Number of pipe segments between bend and midpoint in feet.

$i := 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and midpoint in feet.

0
12.712
9.481
3.855

$L_p := \left(\sum_i Seg_i \right) \cdot 12$ $L_p = 312.576$ Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$ L_{i+1} Effective pipe length (cumulative) from midpoint in inches.

0
152.544
266.316
312.576

$d_i := \frac{d_1}{L_p} \cdot L_{i+1}$

Support displacement due to d_1 .

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

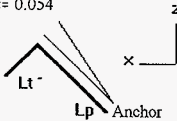
WO/Job No.: ER4319
Date: 9/3/96
Checked: P B S 96
Revised:
By: D.L. STONE DLS
By: CD Jones

THERMAL DISPLACEMENTS for BEND at SLURRY PIPE NODE A35

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A37 and A38 Support Displacements corresponding to thermal expansion of Lt leg.

$\delta_1 := 0.054$



Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014)

$N := 4$

Number of pipe segments between bend and anchor in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor in feet.

0
12
12
9.81
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 451.68$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor in inches.

0
144
288
405.72
451.68

$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$

Support displacement due to δ_1 .

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: P12596
Revised:
By: D.L. STONE DL
By: C.D. Jones
By:

δ_i	
0	(Anchor)
0.017	A38
0.034	A37
0.049	A36
0.054	A35

Displacements weighted as to distance from anchor (inches).

x,z Coordinates of weighted deflections for input to Autopipe:

$\theta = 45\text{-deg}$

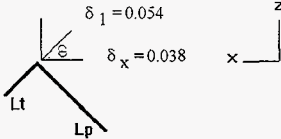
Orientation Angle

$\delta_x := \delta_1 \cdot \cos(\theta)$

x,z Coordinates of deflections for input to Autopipe:

$\delta_z := \delta_1 \cdot \sin(\theta)$

$\delta_z = 0.038$



$\delta x_i := \delta_i \cdot \cos(\theta)$

$\delta z_i := \delta_i \cdot \sin(\theta)$

δx_i	(-x)
0	
0.012	A38
0.024	A37
0.034	A36
0.038	A35

δz_i	(+z)
0	
0.012	A38
0.024	A37
0.034	A36
0.038	A35

(Anchor/Midpoint - No displacement.)

(Displacements < 0.063 are considered negligible.)

(Vertical-support - Displacements apply at lateral supports, only.)

(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: *g bsk*
Revised:

By: D.L. STONE *DL*
By: *OTJ*
By:

THERMAL DISPLACEMENTS for BEND at SUPERNATE PIPE NODE 151

A153 Support Displacement corresponding to thermal expansion of Lp leg.

$\delta_t = 0.456$

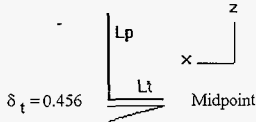
Lateral displacement of Lt leg caused by thermal expansion of Lp leg, provided by STAB. (Calculation # W-320-27-014).

$L = (2 \cdot 3.83) + 13 + 5.88 + 7.12 + 13.88$

Total distance between adjacent bends.

$\frac{L}{2} - (3.83 + 13) = 6.94$

Segment adjacent to Midpoint.



$N = 3$

Number of pipe segments between bend and midpoint in feet.

$i = 0..N \quad L_0 = 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i =$

Lengths of individual pipe segments between bend and midpoint in feet.

0
6.94
13
3.83

$L_t = \left(\sum_i Seg_i \right) \cdot 12 \quad L_t = 285.24$

Total length of Lt leg (in inches).

$L_{i+1} = L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor in inches.

L_{i+1}
0
83.28
239.28
285.24

$\delta_i = \frac{\delta_t}{L_t} \cdot L_{i+1}$

Support displacement due to δ_t .

Displacements weighted as to distance from midpoint (inches).

δ_i	(-z)
0	
0.133	A153
0.383	A152
0.456	A151

(Midpoint - No displacement.)

(Vertical-support - Displacements apply at lateral supports, only.)
(Bend - Displacements apply at supports, only.)

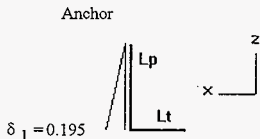
Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9/3/96
 Checked: *9/25/96*
 Revised:
 By: D.L. STONE *DLS*
 By: *CD Jones*

A144 to A150 Support Displacements corresponding to thermal expansion of Lt leg.

$\delta_1 := 0.195$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).



$\delta_1 = 0.195$

$N := 8$

Number of pipe segments between bend and anchor in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor in feet.

0
13.83
13.83
13.83
13.83
13.83
13.83
13.75
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 1.207 \cdot 10^3$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from anchor in inches.

L_{i+1}
0
165.96
331.92
497.88
663.84
829.8
995.76
$1.161 \cdot 10^3$
$1.207 \cdot 10^3$

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

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Checked: 9/25/96
Revised:
By: D.L. STONE DLS
By: *CD Jones*

$$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1} \quad \text{Support displacement due to } \delta_1$$

Displacements weighted as to distance from anchor (inches).

δ_i	(+x)	
0		(Anchor - No displacement.)
0.027	A144	(Displacements < 0.063 are considered negligible.)
0.054		
0.08	A146	<-----
0.107	A147	<-----
0.134	A148	<-----
0.161	A149	<-----
0.188	A150	(Vertical-support - Displacements apply at lateral supports, only.)
0.195	A151	(Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
Subject: PROJECT W-320 WASTE RETRIEVAL
PROCESS PIPE STRESS ANALYSIS
Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
Date: 9/3/96
Checked: *[Signature]*
Revised:
By: D.L. STONE *[Signature]*
By: C.D. JONES *[Signature]*
By:

Thermal Displacements for BEND at SUPERNATE PIPE NODE A157

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A155 Support Displacement corresponding to thermal expansion of Lt leg.

$\delta_1 := 0.027$

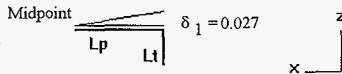
Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).

$L := (3.83 \cdot 2) + 13 + 5.88 + 7.12 + 13.88$

Total distance between adjacent bends.

$\frac{L}{2} - (3.83 + 13.88) = 6.06$

Segment adjacent to Midpoint.



$N := 3$

Number of pipe segments between bend and midpoint in feet.

$i := 0..N$ $L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and midpoint in feet.

0
6.06
13.88
3.83

$L_p := \left(\sum_i Seg_i \right) \cdot 12$ $L_p = 285.24$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

Effective pipe length (cumulative) from midpoint in inches.

L_{i+1}
0
72.72
239.28
285.24

$\delta_i := \frac{\delta_1}{L_p} L_{i+1}$

Support displacement due to δ_1 .

Displacements weighted as to distance from midpoint (inches).

δ_i	(+z)
0	
0.007	A155
0.023	A156
0.027	A157

(Midpoint - No displacement.)
(Displacements < 0.063 are considered negligible.)
(Vertical-support - Displacements apply at lateral supports, only.)
(Bend - Displacements apply at supports, only.)

DESIGN ANALYSIS

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9/3/96
 Checked: J B S F B
 Revised:
 By: D.L. STONE DLS
 By: ED Jones

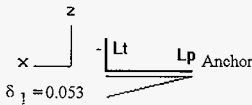
THERMAL DISPLACEMENTS for BEND at SUPERNATE PIPE NODES A160

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A162 Support Displacement corresponding to thermal expansion of Lt leg.

$d_1 := 0.053$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).



$N := 3$

Number of pipe segments between bend and anchor in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

0
14
9.92
3.83

Lengths of individual pipe segments between bend and anchor in feet.

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 333$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12 \quad L_{i+1}$

Effective pipe length (cumulative) from anchor in inches.

0
168
287.04
333

$d_i := \frac{d_1}{L_p} \cdot L_{i+1}$

Support displacement due to d_1 .

$d_i \quad (-Z)$

Displacements weighted as to distance from anchor (inches).

0
0.027
0.046
0.053

- (Anchor - No displacement.)
- A162 (Displacements < 0.063 are considered negligible.)
- A161 (Vertical-support - Displacements apply at lateral supports, only.)
- A160 (Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY
 Subject: PROJECT W-320 WASTE RETRIEVAL
 PROCESS PIPE STRESS ANALYSIS
 Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319
 Date: 9 / 3 / 96
 Checked: 9/13/96
 Revised:

By: D.L. STONE DLS
 By: CDJ/MS

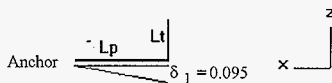
THERMAL DISPLACEMENTS for BEND at SUPERNATE PIPE NODE A165

Since displacements are applicable only at lateral supports, analysis of offset with vertical supports, only, has been omitted from this calculation.

A164 Support Displacement corresponding to thermal expansion of Lt leg.

$\delta_1 := 0.095$

Lateral displacement of Lp leg caused by thermal expansion of Lt leg, provided by STAB. (Calculation # W-320-27-014).



$N := 2$

Number of pipe segments between bend and anchor in feet.

$i := 0..N \quad L_0 := 0$

Individual segment identifier, indexed from 0 to N.

$Seg_i :=$

Lengths of individual pipe segments between bend and anchor in feet.

0
14
4.5

$L_p := \left(\sum_i Seg_i \right) \cdot 12 \quad L_p = 222$

Total length of Lt leg (in inches).

$L_{i+1} := L_i + (Seg_i) \cdot 12$

0
168
222

Effective pipe length (cumulative) from anchor in inches.

$\delta_i := \frac{\delta_1}{L_p} \cdot L_{i+1}$

Support displacement due to δ_1 .

Displacements weighted as to distance from anchor (inches).

$\delta_i \quad (-Z)$

0
0.072
0.095

A164 (Anchor - No displacement.)

A165 (Bend - Displacements apply at supports, only.)

Client: WESTINGHOUSE HANFORD COMPANY

Subject: PROJECT W-320 WASTE RETRIEVAL

PROCESS PIPE STRESS ANALYSIS

Location: C TANK FARM - 200 EAST AREA HANFORD

WO/Job No.: ER4319

Date: 9 / 3 / 96

Checked: *9/12/96*

Revised:

Filename: ECC.mcd

By: D.L. STONE *DLS*

By: *CD Jones*

By:

Interference Resulting from Pipe Displacements at Bends.

$$ID_8 := 7.981$$

Inner Diameter of 8" Encasement pipe.

$$r_8 := \frac{ID_8}{2} \quad r_8 = 3.99$$

Inner Radius of 8" Encasement pipe.

$$OD_4 := 4.5$$

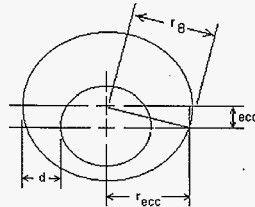
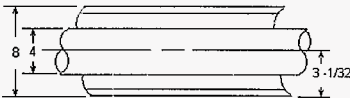
Outer Diameter of 4" Schedule 40 pipe.

$$r_4 := \frac{OD_4}{2} \quad r_4 = 2.25$$

Outer Radius of 4" Schedule 40 pipe.

$$ecc := r_8 - \left(3 + \frac{1}{32} \right) \quad ecc = 0.959$$

Eccentricity of pipe axes. (Ref , Detail 2)



$$r_{ecc} := \sqrt{\left(r_8^2 - ecc^2 \right)} \quad r_{ecc} = 3.873$$

Distance from axis of 4" pipe to inner surface of 8" pipe at eccentricity.

$$d := r_{ecc} - r_4 \quad d = 1.623$$

Distance between outer surface of 4" pipe and inner surface of 8" pipe at eccentricity.

$$\delta_{max} := 1.69$$

Axial Displacement as given by Autopipe analysis (Nodepoint A95) .

$$gap := d - \delta_{max} \quad gap = -0.067$$

Available gap at maximum displacement.

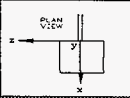
DESIGN ANALYSIS

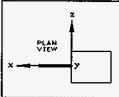
Client WESTINGHOUSE HANFORD CO.
Subject PROCESS PIPE STRESS ANALYSIS
PROJECT W-320 WASTE RETRIEVAL for TANK 241-C-106
Location C TANK FARM 200 EAST AREA

WO/Job No. ER4319
Date 9/13/1996
Checked *9/25/96*
Revised

Filename ANCOR-SL.xls
By D. L. STONE *DIS*
By *C.D. Jones*
By

ANCHOR LOADS AT PIT WALLS

Nozzle:	17	Pipe Loads	Pipe Length (*2)	Friction Force (*3)	Fx	Fy	Fz	Mx	My	Mz
Location:	241-C-06A Pump Pit		(in.)	(lb/ft)	(lbs)	(lbs)	(lbs)	(in-lb)	(in-lb)	(in-lb)
Identification: W-320 Pump Pit Slurry Line Nozzle Node #: A00 Orientation: 	Inner Pipe									
	(Seismic)				57	0	74	0	876	0
	(Thermal) (*1)				990	156	-564	2676	-15804	-5244
	Encasement									
	(Seismic) (*4)	L = 217	F1 = 24.48	5305.31						
(Thermal) (*5)	L = 217	F2 = 23.18	5023.57							
Absolute Sum					11376	156	638	2676	16680	5244

Nozzle:	U-11	Pipe Loads	Pipe Length (*2)	Friction Force (*3)	Fx	Fy	Fz	Mx	My	Mz
Location:	241-AY-02A Pump Pit		(in.)	(lb/ft)	(lbs)	(lbs)	(lbs)	(in-lb)	(in-lb)	(in-lb)
Identification: W-320 AY Slurry Line Nozzle Node #: A171 Orientation: 	Inner Pipe									
	(Seismic)				0	0	0	0	0	0
	(Thermal) (*1)				-536	-78	305	-108	-12720	-1344
	Encasement									
	(Seismic) (*4)	L = 138	F1 = -24.48	-3378.24						
(Thermal) (*5)	L = 138	F2 = -23.18	-3198.84							
Absolute Sum					7113	78	305	108	12720	1344

- (*1) (Ref. Appendix A, Autopipe Filename: TRAN-SL)
- (*2) L = Length of pipe immediately preceding anchor as per DWGS # ES-320-M3 and # ES-320-M6: (Ref. Appendix D)
- (*3) For underground pipe:
(For SEISMIC: Ref. Calculation W320-27-014, Appendix. A, Page 5, Soil Friction)
(For THERMAL: Ref. Calculation W320-27-014, Appendix. B, Page 5, Static Soil Friction)
- (*4) LOAD = F1 x L
- (*5) LOAD = F2 x L

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HANFORD COMPANY

Calc. No. W-320-27-013
Revision No. 2
Page No. 72 of 72

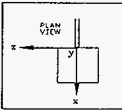
DESIGN ANALYSIS

Client WESTINGHOUSE HANFORD CO.
Subject PROCESS PIPE STRESS ANALYSIS
PROJECT W-320 WASTE RETRIEVAL for TANK 241-C-106
Location C TANK FARM 200 EAST AREA

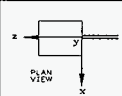
WO/Job No. ER4319
Date 9/3/1996
Checked 9/25/96
Revised

Filename ANCOR-SP.xls
By D. L. STONE
By CD Jones

ANCHOR LOADS AT PIT WALLS

Nozzle: 6 Location: 241-C-06C Sluice Pit	Pipe Loads	Pipe Length (*2) (in.)	Friction Force (*3) (lb/in)	Fx (lbs)	Fy (lbs)	Fz (lbs)	Mx (in-lb)	My (in-lb)	Mz (in-lb)
Identification: W-320 Supernate Line Nozzle Node #: A00 Orientation: 	Inner Pipe								
	(Seismic)			264	0	207	0	5424	0
	(Thermal) (*1)			378	-45	30	288	-3456	432
	Encasement								
	(Seismic) (*4)	L = 201	F1 = 24.48	4932.23					
(Thermal) (*5)	L = 201	F2 = 23.18	4670.31						
Absolute Sum				10245	45	237	288	8880	432

DLS 10-3-96

Nozzle: U-2 Location: 241-AY-02E Sluice Pump Pit	Pipe Loads	Pipe Length (*2) (in.)	Friction Force (*3) (lb/in)	Fx (lbs)	Fy (lbs)	Fz (lbs)	Mx (in-lb)	My (in-lb)	Mz (in-lb)
Identification: W-320 AY Supernate Line Nozzle Node #: A167 Orientation: 	Inner Pipe								
	(Seismic)			0	0	0	0	0	0
	(Thermal) (*1)			-633	-67	964	-972	33396	-36
	Encasement								
	(Seismic) (*4)	L = 120	F1 = 24.48			2937.60			
(Thermal) (*5)	L = 120	F2 = 23.18			2781.60				
Absolute Sum				633	67	6683	972	33396	36

- (*1) (Ref. Appendix B, Autopipe Filename: TRAN-SP)
- (*2) L = Length of pipe immediately preceding anchor as per DWGS # ES-320-M3 and # ES-320-M6: (Ref. Appendix D)
- (*3) For underground pipe:
(For SEISMIC: Ref. Calculation W320-27-014, Appendix. AO, Page 5, Soil Friction)
(For THERMAL: Ref. Calculation W320-27-014, Appendix. AP, Page 5, Static Soil Friction)
- (*4) LOAD = F1 x L
- (*5) LOAD = F2 x L

APPENDIX A

SLURRY LINE PROCESS PIPE

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
*** SEGMENT A						
A00	Run	0	0	0	PIPE-1	
A01	Run	-7.07	0	0		
A02	Run	-9.49	0	0		
A03	Bend	-1.50	0	0		Elbow, Radius = 40.00 inch Bend angle change = 45.03 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A04	Run	-1.06	0	-1.06		
A05	Run	-9.35	0	-9.35		
A06	Run	-10.08	0	-10.08		
A07	Run	-7.49	0	-7.49		
A08	Bend	-2.71	0	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A10	Run	-3.66	0	3.66		
A11	Bend	-2.71	0	2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.04 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A12	Run	-2.71	0	-2.71		
A13	Run	-5.30	0	-5.30		
A14	Run	-8.49	0	-8.48		
A15	Run	-8.49	0	-8.49		
A16	Run	-8.48	0	-8.49		
A17	Run	-8.48	0	-8.49		
A18	Run	-8.48	0	-8.49		
A19	Run	-8.48	0	-8.49		
A20	Run	-8.48	0	-8.48		
A21	Run	-8.48	0	-8.48		
A22	Run	-5.30	0	-5.30		
A23	Bend	-2.71	0	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A25	Run	3.66	0	-3.66		
A26	Bend	2.71	0	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
Flex = 1.000						
A27	Run	-2.71	0.44	-2.71		
A28	Run	-6.66	1.07	-6.66		
A29	Run	-8.93	1.44	-8.93		
A30	Run	-8.93	1.44	-8.93		
A31	Run	-6.66	1.07	-6.66		
A32	Bend	-2.71	0.44	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 89.98 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A33	Run	-2.71	0	2.71		
A34	Run	-3.13	0	3.13		
A35	Bend	-2.71	0	2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A36	Run	-2.71	0	-2.71		
A37	Run	-6.94	0	-6.94		
A38	Run	-8.49	0	-8.48		
A39	Run	-8.48	0	-8.48		
A40	Run	-8.48	0	-8.48		
A41	Run	-8.48	0	-8.48		
A42	Run	-8.41	0	-8.41		
A43	Bend	-1.06	0	-1.06		Elbow, Radius = 40.00 inch Bend angle change = 44.96 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A44	Run	0	0	-1.50		
A45	Run	0	0	-13.01		
A46	Run	0	0	-13.50		
A47	Run	0	0	-13.50		
A48	Run	0	0	-12.75		
A49	Run	0	0	-12.75		
A50	Run	0	0	-12.75		
A51	Run	0	0	-12.75		
A52	Run	0	0	-12.75		
A53	Run	0	0	-12.75		
A54	Run	0	0	-12.75		
A55	Bend	0	0	-13.25		
A55	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent

POINT DATA LISTING

POINT NAME	TYPE	---OFFSETS (ft)---			PIPE ID	DESCRIPTION
		X	Y	Z		
						SIF - In 1.00, Out = 1.00 Flex = 1.000
A56	Run	-3.83	0	0		
156	Run	-7.34	0	0		
A57	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A58	Run	0	0	-3.83		
A59	Run	0	0	-13.44		
A60	Run	0	0	-13.33		
A61	Run	0	0	-13.33		
A62	Run	0	0	-13.33		
A63	Run	0	0	-13.33		
A64	Run	0	0	-13.33		
A65	Run	0	0	-13.33		
A66	Run	0	0	-13.33		
A67	Run	0	0	-13.33		
A68	Run	0	0	-13.33		
A69	Run	0	0	-13.33		
A70	Run	0	0	-13.33		
A71	Run	0	0	-13.33		
A72	Run	0	0	-13.33		
A73	Run	0	0	-13.33		
A74	Run	0	0	-13.44		
A75	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A76	Run	-3.83	0.38	0		
176	Run	-7.34	0.73	0		
A77	Bend	-3.83	0.38	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A78	Run	0	0	-3.83		
A79	Run	0	0	-13.44		
A80	Run	0	0	-13.33		
A81	Run	0	0	-13.33		
A82	Run	0	0	-13.33		
A83	Run	0	0	-13.33		
A84	Run	0	0	-13.33		

POINT DATA LISTING

POINT NAME	TYPE	---OFFSETS (ft)---			PIPE ID	DESCRIPTION
		X	Y	Z		
A85	Run	0	0	-13.33		
A86	Run	0	0	-13.33		
A87	Run	0	0	-13.33		
A88	Run	0	0	-13.33		
A89	Run	0	0	-13.33		
A90	Run	0	0	-13.33		
A91	Run	0	0	-13.33		
A92	Run	0	0	-13.33		
A93	Run	0	0	-13.33		
A94	Run	0	0	-13.44		
A95	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A96	Run	-3.83	0	0		
A97	Run	-11.25	0	0		
A98	Run	-11.84	0	0		
A99	Run	-11.25	0	0		
A100	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A101	Run	0	0	-3.83		
A102	Run	0	0	-13.00		
A103	Run	0	0	-12.25		
A104	Run	0	0	-12.25		
A105	Run	0	0	-12.25		
A106	Run	0	0	-12.25		
A107	Run	0	0	-12.25		
A108	Run	0	0	-12.25		
A109	Run	0	0	-12.25		
A110	Run	0	0	-12.25		
A111	Run	0	0	-2.88		
A112	Run	0	0.11	-1.62		
I112	Run	0	0.72	-11.00		
I113	Run	0	0.72	-11.00		
A113	Run	0	0.72	-11.00		
A114	Bend	0	0.22	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A115	Run	3.83	0	0		
A116	Run	12.34	0	0		

POINT DATA LISTING

POINT NAME	TYPE	---OFFSETS (ft)---			PIPE ID	DESCRIPTION
		X	Y	Z		
A117	Bend	3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A118	Run	0	0	-3.83		
A119	Run	0	0	-13.74		
A120	Run	0	0	-13.83		
A121	Run	0	0	-13.83		
A122	Run	0	0	-13.83		
A123	Run	0	0	-13.83		
A124	Run	0	0	-13.83		
A125	Run	0	0	-13.83		
A126	Run	0	0	-13.83		
A127	Run	0	0	-13.83		
A128	Run	0	0	-13.83		
A129	Run	0	0	-13.83		
A130	Run	0	0	-13.83		
A131	Run	0	0	-13.83		
A132	Run	0	0	-13.74		
A133	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A134	Run	-3.83	0.32	0		
I134	Run	-9.34	0.91	0		
A135	Bend	-3.83	0.32	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A136	Run	0	0	-3.83		
A137	Run	0	0	-13.75		
A138	Run	0	0	-13.83		
A139	Run	0	0	-13.83		
A140	Run	0	0	-13.83		
A141	Run	0	0	-13.83		
A142	Run	0	0	-13.83		
A143	Run	0	0	-13.83		
A144	Run	0	0	-13.83		
A145	Run	0	0	-13.83		
A146	Run	0	0	-13.83		
A147	Run	0	0	-13.83		
A148	Run	0	0	-13.83		
A149	Run	0	0	-13.83		

POINT DATA LISTING

POINT NAME	TYPE	---OFFSETS (ft)---			PIPE ID	DESCRIPTION
		X	Y	Z		
A150	Run	0	0	-13.75		
A151	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A152	Run	-3.83	0	0		
A153	Run	-13.00	0	0		
A154	Run	-5.88	0	0		
A155	Run	-7.12	0	0		
A156	Run	-12.88	0	0		
A157	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A159	Run	0	0	-5.75		
A160	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A161	Run	-3.83	0	0		
A162	Run	-10.92	0	0		
A163	Run	-14.00	0	0		
A164	Run	-14.00	0	0		
A165	Run	-8.42	0	0		
A166	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A168	Run	0	0	5.92		
A169	Bend	0	0	3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A170	Run	-3.83	0	0		
A171	Run	-7.67	0	0		

Total weight of empty pipes : 19362 lb

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
*** SEGMENT A			
A00	0.00	0.00	0.00 ANCHOR Rigid Thermal movements : None
A01	-7.07	0.00	0.00 GUIDE ID : A01 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A02	-16.56	0.00	0.00
A03 N	-16.68	0.00	0.00
A03	-18.06	0.00	0.00 TI
A03 M	-17.95	0.00	-0.25
A03 F	-19.04	0.00	-0.98
A04	-19.12	0.00	-1.06
A05	-28.47	0.00	-10.41 GUIDE ID : A05 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A06	-38.55	0.00	-20.49 GUIDE ID : A06 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A07	-46.04	0.00	-27.98 INCLIN ID : A07 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A08 N	-46.39	0.00	-28.33
A08	-48.75	0.00	-30.69 TI
A08 M	-48.75	0.00	-29.31
A08 F	-51.11	0.00	-28.33
A10	-52.41	0.00	-27.03 INCLIN ID : A09 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A11 N	-52.76	0.00	-26.68
A11	-55.12	0.00	-24.32 TI
A11 M	-55.12	0.00	-25.70
A11 F	-57.48	0.00	-26.68
A12	-57.83	0.00	-27.03 INCLIN ID : A12 1, Connected to Ground Along global Y direction

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A13	-63.13	0.00	-32.33 GUIDE Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless ID : A13 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A14	-71.61	0.00	-40.82 GUIDE ID : A14 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A15	-80.10	0.00	-49.30 GUIDE ID : A15 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A16	-88.58	0.00	-57.79 GUIDE ID : A16 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A17	-97.07	0.00	-66.27 ANCHOR Rigid Thermal movements : None
A18	-105.55	0.00	-74.76 GUIDE ID : A18 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A19	-114.04	0.00	-83.24 GUIDE ID : A19 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A20	-122.52	0.00	-91.73 GUIDE ID : A20 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A21	-131.01	0.00	-100.21 GUIDE ID : A21 1, Connected to Ground

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A22	-136.31 0.00 -105.51	INCLIN	ID : A22 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A23 N	-136.66 0.00 -105.86		
A23	-139.02 0.00 -108.22	TI	
A23 M	-137.64 0.00 -108.22		
A23 F	-136.66 0.00 -110.58		
A25	-135.36 0.00 -111.88	INCLIN	ID : A24 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A26 N	-135.00 0.00 -112.23		
A26	-132.65 0.00 -114.59	TI	
A26 M	-134.02 0.11 -114.59		
A26 F	-134.99 0.38 -116.93		
A27	-135.35 0.44 -117.30	INCLIN	ID : A27 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A28	-142.01 1.51 -123.96	GUIDE	ID : A28 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A29	-150.95 2.95 -132.89	GUIDE	ID : A29 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A30	-159.88 4.39 -141.82	GUIDE	ID : A30 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A31	-166.54 5.46 -148.48	INCLIN	ID : A31 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A32 N	-166.90 5.52 -148.85		
A32	-169.24 5.90 -151.19	TI	
A32 M	-169.25 5.79 -149.81		
A32 F	-171.60 5.90 -148.83		
A33	-171.95 5.90 -148.48	INCLIN	ID : A33 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A34	-175.08 5.90 -145.36	INCLIN	ID : A34 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A35 N	-175.43 5.90 -145.01		
A35	-177.79 5.90 -142.65	TI	
A35 M	-177.79 5.90 -144.03		
A35 F	-180.15 5.90 -145.01		
A36	-180.50 5.90 -145.36	INCLIN	ID : A36 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A37	-187.43 5.90 -152.29	GUIDE	ID : A37 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A38	-195.92 5.90 -160.77	GUIDE	ID : A38 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A39	-204.40 5.90 -169.26	ANCHOR	Rigid
A40	-212.88 5.90 -177.74	GUIDE	Thermal movements : None ID : A40 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A41	-221.36 5.90 -186.22	GUIDE	ID : A41 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1
		DISPL	
A42	-229.77 5.90 -194.63		
A43 N	-229.85 5.90 -194.71		
A43	-230.83 5.90 -195.69	TI	
A43 M	-230.57 5.90 -195.79		
A43 F	-230.83 5.90 -197.07		
A44	-230.83 5.90 -197.19		
A45	-230.83 5.90 -210.20	GUIDE	ID : A45 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1
		DISPL	
A46	-230.83 5.90 -223.70	GUIDE	ID : A46 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1
		DISPL	
A47	-230.83 5.90 -237.20	GUIDE	ID : A47 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1
		DISPL	
A48	-230.83 5.90 -249.95	GUIDE	ID : A48 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Rigid
A49	-230.83 5.90 -262.70	ANCHOR	Thermal movements : None
A50	-230.83 5.90 -275.45	GUIDE	ID : A50 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Friction = 0.15 Gaps set Weightless
A51	-230.83 5.90 -288.20	GUIDE	ID : A51 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A52	-230.83 5.90 -300.95	GUIDE	ID : A52 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A53	-230.83 5.90 -313.70	GUIDE	ID : A53 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
153	-230.83 5.90 -326.45	GUIDE	ID : 153 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A54	-230.83 5.90 -339.70	INCLIN	ID : A54 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A55 N	-230.83 5.90 -340.20		
A55	-230.83 5.90 -343.53	TI	
A55 M	-231.80 5.90 -342.55		
A55 F	-234.16 5.90 -343.53		
A56	-234.66 5.90 -343.53	INCLIN	ID : A56 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
156	-242.00 5.90 -343.53	INCLIN	ID : 156 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A57 N	-242.49 5.90 -343.53		

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft)---			DATA TYPE	DESCRIPTION
	X	Y	Z		
A57	-245.83	5.90	-343.53	TI	
A57 M	-244.85	5.90	-344.51		
A57 F	-245.83	5.90	-346.86		
A58	-245.83	5.90	-347.36	INCLIN	ID : A58 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A59	-245.83	5.90	-360.80	GUIDE	ID : A59 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A60	-245.83	5.90	-374.13	GUIDE	ID : A60 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A61	-245.83	5.90	-387.46	GUIDE	ID : A61 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A62	-245.83	5.90	-400.79	GUIDE	ID : A62 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A63	-245.83	5.90	-414.12	GUIDE	ID : A63 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A64	-245.83	5.90	-427.45	GUIDE	ID : A64 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A65	-245.83	5.90	-440.78	GUIDE	ID : A65 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft)---			DATA TYPE	DESCRIPTION
	X	Y	Z		
A66	-245.83	5.90	-454.11	ANCHOR	Friction = 0.15 Gaps set Weightless
A67	-245.83	5.90	-467.44	GUIDE	Rigid Thermal movements = None ID : A67 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A68	-245.83	5.90	-480.77	GUIDE	ID : A68 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A69	-245.83	5.90	-494.10	GUIDE	ID : A69 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A70	-245.83	5.90	-507.43	GUIDE	ID : A70 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A71	-245.83	5.90	-520.76	GUIDE	ID : A71 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A72	-245.83	5.90	-534.09	GUIDE	ID : A72 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A73	-245.83	5.90	-547.42	GUIDE	ID : A73 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A74	-245.83	5.90	-560.86	INCLIN	ID : A74 1, Connected to Ground Along global Y direction Stiffness = RIGID

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A75 N	-245.83 5.90 -561.36		
A75	-245.83 5.90 -564.69	TI	
A75 M	-246.80 6.00 -563.71		
A75 F	-249.14 6.23 -564.69		
A76	-249.66 6.29 -564.69	INCLIN	ID : A76 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
176	-257.00 7.02 -564.69	INCLIN	ID : 176 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A77 N	-257.51 7.07 -564.69		
A77	-260.83 7.40 -564.69	TI	
A77 M	-259.86 7.31 -565.67		
A77 F	-260.83 7.40 -568.02		
A78	-260.83 7.40 -568.52	INCLIN	ID : A78 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A79	-260.83 7.40 -581.96	GUIDE	ID : A79 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A80	-260.83 7.40 -595.29	GUIDE	ID : A80 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A81	-260.83 7.40 -608.62	GUIDE	ID : A81 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A82	-260.83 7.40 -621.95	GUIDE	ID : A82 1, Connected to Ground Stiffness = RIGID

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A83	-260.83 7.40 -635.28	GUIDE	ID : A83 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A84	-260.83 7.40 -648.61	GUIDE	ID : A84 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A85	-260.83 7.40 -661.94	GUIDE	ID : A85 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A86	-260.83 7.40 -675.27	ANCHOR	Rigid Thermal movements : None
A87	-260.83 7.40 -688.60	GUIDE	ID : A87 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A88	-260.83 7.40 -701.93	GUIDE	ID : A88 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A89	-260.83 7.40 -715.26	GUIDE	ID : A89 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A90	-260.83 7.40 -728.59	GUIDE	DISPL Thermal 1 ID : A90 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X	Y	Z	DATA TYPE	DESCRIPTION
A91	-260.83	7.40	-741.92	GUIDE	Thermal 1 ID : A91 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A92	-260.83	7.40	-755.25	GUIDE	Thermal 1 ID : A92 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A93	-260.83	7.40	-768.58	GUIDE	Thermal 1 ID : A93 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A94	-260.83	7.40	-782.02	INCLIN	Thermal 1 ID : A94 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A95 N	-260.83	7.40	-782.52		
A95	-260.83	7.40	-785.85	TI	
A95 M	-261.80	7.40	-784.87		
A95 F	-264.16	7.40	-785.85		
A96	-264.66	7.40	-785.85	INCLIN	ID : A96 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A97	-275.91	7.40	-785.85	GUIDE	ID : A97 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A98	-287.75	7.40	-785.85	GUIDE	Thermal 1 ID : A98 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X	Y	Z	DATA TYPE	DESCRIPTION
A99	-299.00	7.40	-785.85	INCLIN	Friction = 0.15 Gaps set Weightless Thermal 1 ID : A99 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A100N	-299.49	7.40	-785.85		
A100	-302.83	7.40	-785.85	TI	
A100M	-301.85	7.40	-786.83		
A100F	-302.83	7.40	-789.18		
A101	-302.83	7.40	-789.68	INCLIN	ID : A101 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A102	-302.83	7.40	-802.68	GUIDE	ID : A102 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A103	-302.83	7.40	-814.93	GUIDE	Thermal 1 ID : A103 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A104	-302.83	7.40	-827.18	GUIDE	Thermal 1 ID : A104 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A105	-302.83	7.40	-839.43	GUIDE	Thermal 1 ID : A105 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A106	-302.83	7.40	-851.68	GUIDE	ID : A106 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A107	-302.83 7.40 -863.93	ANCHOR	Gaps set Weightless Rigid
			Thermal movements : None
A108	-302.83 7.40 -876.18	GUIDE	ID : A108 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
			Gaps set Weightless
A109	-302.83 7.40 -888.43	GUIDE	ID : A109 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
			Gaps set Weightless
A110	-302.83 7.40 -900.68	GUIDE	ID : A110 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
			Gaps set Weightless
A111	-302.83 7.40 -903.56		
A112	-302.83 7.51 -905.18	GUIDE	ID : A112 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
			Gaps set Weightless
			Thermal 1
1112	-302.83 8.23 -916.18	GUIDE	ID : 1112 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
1113	-302.83 8.95 -927.18	GUIDE	ID : 1113 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A113	-302.83 9.67 -938.18	INCLIN	ID : A113 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gaps set Weightless
A114N	-302.83 9.70 -938.68		
A114	-302.83 9.89 -942.01	TI	
A114M	-301.85 9.84 -941.04		
A114F	-299.49 9.89 -942.01		
A115	-299.00 9.89 -942.01	INCLIN	ID : A115 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15
			Gaps set Weightless
A116	-286.66 9.89 -942.01	INCLIN	ID : A116 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15
			Gaps set Weightless
A117N	-286.16 9.89 -942.01		
A117	-282.83 9.89 -942.01	TI	
A117M	-283.80 9.89 -942.99		
A117F	-282.83 9.89 -945.34		
A118	-282.83 9.89 -945.84	INCLIN	ID : A118 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15
			Gaps set Weightless
A119	-282.83 9.89 -959.58	GUIDE	ID : A119 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A120	-282.83 9.89 -973.41	GUIDE	ID : A120 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A121	-282.83 9.89 -987.24	GUIDE	ID : A121 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
			Gaps set Weightless
A122	-282.83 9.89-1001.07	GUIDE	ID : A122 1, Connected to Ground Stiffness = RIGID

12/18/96

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft)---			DATA TYPE	DESCRIPTION
	X	Y	Z		
A123	-282.83	9.89-1014.90		GUIDE	Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A123 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A124 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A125 1, Connected to Ground Stiffness = RIGID Thermal movements : None ID : A126 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A127 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A128 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A129 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A130 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A131 1, Connected to Ground
A124	-282.83	9.89-1028.73		GUIDE	
A125	-282.83	9.89-1042.56		ANCHOR	
A126	-282.83	9.89-1056.39		GUIDE	
A127	-282.83	9.89-1070.22		GUIDE	
A128	-282.83	9.89-1084.05		GUIDE	
A129	-282.83	9.89-1097.88		GUIDE	
A130	-282.83	9.89-1111.71		GUIDE	
A131	-282.83	9.89-1125.54		GUIDE	

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft)---			DATA TYPE	DESCRIPTION
	X	Y	Z		
A132	-282.83	9.89-1139.28		INCLIN	Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1 ID : A132 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A133N	-282.83	9.89-1139.78			
A133	-282.83	9.89-1143.11		TI	
A133M	-283.80	9.97-1142.13			
A133F	-286.15	10.17-1143.11			
A134	-286.66	10.21-1143.11		INCLIN	ID : A134 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless ID : A134 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
I134	-296.00	11.12-1143.11		INCLIN	
A135N	-296.51	11.17-1143.11			
A135	-299.83	11.44-1143.11		TI	
A135M	-298.85	11.36-1144.09			
A135F	-299.83	11.44-1146.44			
A136	-299.83	11.44-1146.94		INCLIN	ID : A136 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless ID : A137 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1 ID : A138 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch
A137	-299.83	11.44-1160.69		GUIDE	
A138	-299.83	11.44-1174.52		GUIDE	

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A139	-299.83 11.44-1188.35	GUIDE	Friction = 0.15 Gaps set Weightless ID : A139 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A140 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A140	-299.83 11.44-1202.18	GUIDE	Gaps set Weightless ID : A141 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A141	-299.83 11.44-1216.01	GUIDE	Gaps set Weightless ID : A142 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A142	-299.83 11.44-1229.84	GUIDE	Gaps set Weightless ID : A143 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A143	-299.83 11.44-1243.67	ANCHOR	Rigid Thermal movements : None
A144	-299.83 11.44-1257.50	GUIDE	ID : A144 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A145 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A145	-299.83 11.44-1271.33	GUIDE	Gaps set Weightless ID : A146 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1
A146	-299.83 11.44-1285.16	GUIDE	ID : A147 1, Connected to Ground Stiffness = RIGID
A147	-299.83 11.44-1298.99	DISPL GUIDE	

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A148	-299.83 11.44-1312.82	DISPL GUIDE	Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1 ID : A148 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1
A149	-299.83 11.44-1326.65	DISPL GUIDE	ID : A149 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1
A150	-299.83 11.44-1340.40	DISPL INCLIN	ID : A150 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A151N	-299.83 11.44-1340.90		
A151	-299.83 11.44-1344.23	TI	
A151M	-300.80 11.44-1343.25		
A151F	-303.16 11.44-1344.23		
A152	-303.66 11.44-1344.23	INCLIN	ID : A152 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless ID : A153 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1
A153	-316.66 11.44-1344.23	GUIDE	
A154	-322.54 11.44-1344.23	DISPL	
A155	-329.66 11.44-1344.23	GUIDE	ID : A155 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	--- DATA TYPE	DESCRIPTION
A156	-342.54 11.44-1344.23	INCLIN	ID : A156 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A157N	-343.03 11.44-1344.23		
A157	-346.37 11.44-1344.23	TI	
A157M	-345.39 11.44-1345.21		
A157F	-346.37 11.44-1347.56		
A159	-346.37 11.44-1349.98	INCLIN	ID : A158 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A160N	-346.37 11.44-1350.48		
A160	-346.37 11.44-1353.81	TI	
A160M	-347.34 11.44-1352.83		
A160F	-349.70 11.44-1353.81		
A161	-350.20 11.44-1353.81	INCLIN	ID : A161 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A162	-361.12 11.44-1353.81	GUIDE	ID : A162 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A163	-375.12 11.44-1353.81	ANCHOR	Rigid Thermal movements : None
A164	-389.12 11.44-1353.81	GUIDE	ID : A164 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A165	-397.54 11.44-1353.81	INCLIN	ID : A165 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A166N	-398.05 11.44-1353.81		
A166	-401.37 11.44-1353.81	TI	
A166M	-400.39 11.44-1352.83		

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	--- DATA TYPE	DESCRIPTION
A166F	-401.37 11.44-1350.48		
A168	-401.37 11.44-1347.89	INCLIN	ID : A167 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A169N	-401.37 11.44-1347.39		
A169	-401.37 11.44-1344.06	TI	
A169M	-402.34 11.44-1345.04		
A169F	-404.70 11.44-1344.06		
A170	-405.20 11.44-1344.06	INCLIN	ID : A170 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A171	-412.87 11.44-1344.06	ANCHOR	Rigid Thermal movements : None

Number of points in the system : 243

PIPE DATA LISTING

Pipe ID/ Material	Nom/ Sch	O.D. inch	-----Thickness(inch)-----				Spec Grav	Weight(lb/ft)			
			W.Th.	Corr	Mill	Insu		Ling	Pipe	Other	Total
PIPE-1	4	4.500	0.237	0.06	0.03	0	0	1.20	11.04	0	17.66
A312-TP304L	STD										

MATERIAL DATA LISTING

Material Name	Pipe ID	Density lb/cu.ft	Pois. Ratio	Temper. deg F	Modulus E6 psi	Expans. in/100ft	Allow. psi
A312-TP304L	PIPE-1	501.0	0.30	40.0 180.0	28.42	1.5442	16700.0 16700.0

TEMPERATURE AND PRESSURE DATA

POINT NAME	CASE 1			CASE 2			CASE 3		
	PRESS. psi	TEMPER deg F	EXPAN. in/100ft	PRESS. psi	TEMPER deg F	EXPAN. in/100ft	PRESS. psi	TEMPER deg F	EXPAN. in/100ft

*** SEGMENT A

A00	325	180	1.544
A171	325	180	1.544

THERMAL ANCHOR MOVEMENTS AND DISPLACEMENTS

POINT NAME	LOAD CASE	DX (in)	DY (in)	DZ (in)	RX (deg)	RY (deg)	RZ (deg)
A41	Thermal 1	-0.11	0.00	0.11	0.000	0.000	0.000
A45	Thermal 1	-0.15	0.00	0.00	0.000	0.000	0.000
A46	Thermal 1	-0.11	0.00	0.00	0.000	0.000	0.000
A47	Thermal 1	-0.07	0.00	0.00	0.000	0.000	0.000
A89	Thermal 1	0.06	0.00	0.00	0.000	0.000	0.000
A90	Thermal 1	0.09	0.00	0.00	0.000	0.000	0.000
A91	Thermal 1	0.11	0.00	0.00	0.000	0.000	0.000
A92	Thermal 1	0.13	0.00	0.00	0.000	0.000	0.000
A93	Thermal 1	0.15	0.00	0.00	0.000	0.000	0.000
A97	Thermal 1	0.00	0.00	-0.13	0.000	0.000	0.000
A98	Thermal 1	0.00	0.00	0.12	0.000	0.000	0.000
A102	Thermal 1	-0.14	0.00	0.00	0.000	0.000	0.000
A103	Thermal 1	-0.11	0.00	0.00	0.000	0.000	0.000
A104	Thermal 1	-0.08	0.00	0.00	0.000	0.000	0.000
I112	Thermal 1	-0.06	0.00	0.00	0.000	0.000	0.000
I113	Thermal 1	-0.08	0.00	0.00	0.000	0.000	0.000
A119	Thermal 1	0.08	0.00	0.00	0.000	0.000	0.000
A120	Thermal 1	0.06	0.00	0.00	0.000	0.000	0.000
A131	Thermal 1	0.07	0.00	0.00	0.000	0.000	0.000
A137	Thermal 1	-0.07	0.00	0.00	0.000	0.000	0.000
A146	Thermal 1	0.08	0.00	0.00	0.000	0.000	0.000
A147	Thermal 1	0.11	0.00	0.00	0.000	0.000	0.000
A148	Thermal 1	0.13	0.00	0.00	0.000	0.000	0.000
A149	Thermal 1	0.16	0.00	0.00	0.000	0.000	0.000
A153	Thermal 1	0.00	0.00	-0.13	0.000	0.000	0.000

ANALYSIS SUMMARY

Current model revision number : 29

Static -	Date and Time of analysis	Sep 6, 1996	9:50 AM
	Model Revision Number	29	
	Number of load cases	3	
	Load cases analyzed	GR T1 P1	
	Gaps/Friction/Yielding considered	No	
	Hanger design run	No	
	Cut short included	No	
	Weight of contents included	Yes	
	Pressure stiffening case	0	
	Water elevation for buoyancy loads	Not considered	
Modal -	Date and Time of analysis	Sep 6, 1996	9:50 AM
	Model Revision Number	29	
	Number of modes	12	
	Cutoff frequency (Hz)	33.0	
	Weight of contents included	Yes	
	Pressure stiffening case	0	
	Water elevation for buoyancy loads	Not considered	
Response -	Date and Time of analysis	Sep 6, 1996	9:51 AM
	Model Revision Number	29	
	Number of load cases	3	
	Load cases analyzed	R1 R2 R3	
	Date and time of modal analysis	Sep 6, 1996	9:50 AM
	Number of modes	12	
	Cutoff frequency (Hz)	33.0	
	Model revision of modal analysis	29	
	Weight of contents included	Yes	
	Pressure stiffening case	0	
	Water elevation for buoyancy loads	Not considered	

CODE COMPLIANCE COMBINATIONS

Combination	Category	Method	Load Factor	Allowable	Remarks
GR + Max P	Sustain	Sum	Gravity Max Long	1.00 1.00	Automatic Default
Cold to T1	Expansion	Sum	Thermal 1	1.00	Automatic Default
Max P	Hoop		Max Hoop	1.00	Automatic Default
SRSS	Occasion	SRSS	Response 1 Response 2 Response 3	1.00 1.00 1.00	Automatic User

OTHER USER COMBINATIONS

Combination	Method	Load	Factor	Remarks
GR	Sum	Gravity	1.00	Default
T1	Sum	Thermal 1	1.00	Default
P1	Sum	Press 1	1.00	Default
SUM	Sum	Gravity Thermal 1 Press 1	1.00 1.00 1.00	User
RESP	Abs sum	Response 1 Response 2 Response 3	1.00 1.00 1.00	User
TOTAL	Abs sum	SUM RESP	1.00 1.00	User

CODE COMPLIANCE

Y - Factor 0.40
 Weld efficiency factor 1.00
 Range reduction factor 1.00
 Design Pressure Factor 1.00
 Minimum stress ratio used in reports... 0.00
 Include corrosion in stress calcs. ... Y
 Include torsion in code stress N
 Include axial force in code stress N
 Longitudinal pressure calculation PD/4t
 Include rigorous pressure Y

RESPONSE SPECTRUM LOAD CASES :

Number of load cases analysed : 3

Load case 1 - R1

Missing mass : No
 ZPA : No

Combination method : SRSS

X- Spectrum : SC2&3
 Multiplier : 1.00

SC2&3

Freq(Hz)	Grav()	Freq(Hz)	Grav()	Freq(Hz)	Grav()
0.100	0.01	0.160	0.02	0.250	0.04
0.400	0.06	0.600	0.09	1.100	0.17
1.640	0.25	8.000	0.25	12.000	0.20
20.000	0.16	33.000	0.12	100.000	0.12

Load case 2 - R2

Missing mass : No
 ZPA : No

Combination method : SRSS

Y- Spectrum : SC2&3
 Multiplier : 1.00

SC2&3

Freq(Hz)	Grav()	Freq(Hz)	Grav()	Freq(Hz)	Grav()
0.100	0.01	0.160	0.02	0.250	0.04
0.400	0.06	0.600	0.09	1.100	0.17
1.640	0.25	8.000	0.25	12.000	0.20
20.000	0.16	33.000	0.12	100.000	0.12

Load case 3 - R3

Missing mass : No
 ZPA : No

Combination method : SRSS

Z- Spectrum : SC2&3
 Multiplier : 1.00

SC2&3

Freq(Hz)	Grav()	Freq(Hz)	Grav()	Freq(Hz)	Grav()
0.100	0.01	0.160	0.02	0.250	0.04
0.400	0.06	0.600	0.09	1.100	0.17
1.640	0.25	8.000	0.25	12.000	0.20
20.000	0.16	33.000	0.12	100.000	0.12

F R E Q U E N C I E S

Mode Number	Frequency (Rads/sec)	Frequency (Hertz)	Period (Sec)	Participation factors		
				X	Y	Z
1	10.3567	1.6483	0.607	1.650	0.000	-0.046
2	11.7521	1.8704	0.535	-1.264	0.000	0.085
3	12.7169	2.0240	0.494	1.283	0.000	0.125
4	12.8605	2.0468	0.489	-1.223	0.000	0.073
5	13.0496	2.0769	0.481	-1.220	0.000	0.073
6	16.0393	2.5527	0.392	-1.488	0.000	0.482
7	18.9508	3.0161	0.332	0.708	0.000	0.959
8	20.8845	3.3239	0.301	-0.074	0.052	-1.171
9	21.6873	3.4516	0.290	1.525	-0.091	0.420
10	22.3583	3.5584	0.281	0.000	-0.836	0.000
11	24.5125	3.9013	0.256	0.082	0.000	-1.356
12	28.8194	4.5867	0.218	-0.403	-0.030	0.986

D I S P L A C E M E N T S

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
*** Segment A begin ***							
A00	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A01	GR	0.000	0.000	0.000	0.082	0.000	0.075
	T1	-0.108	0.000	0.000	0.000	0.190	0.000
	P1	-0.001	0.000	0.000	0.000	0.003	0.000
	SUM	-0.110	0.000	0.000	0.082	0.192	0.075
	RESP TOTAL	0.000	0.000	0.000	0.000	0.025	0.000
A02	GR	0.000	-0.340	0.000	0.193	0.000	0.177
	T1	-0.254	0.000	0.769	0.000	0.273	0.000
	P1	-0.003	0.000	0.010	0.000	0.004	0.000
	SUM	-0.257	-0.340	0.779	0.193	0.277	0.177
	RESP TOTAL	0.000	0.000	0.108	0.000	0.045	0.000
A03 N	GR	0.000	-0.345	0.000	0.194	0.000	0.176
	T1	-0.255	0.000	0.775	0.000	0.262	0.000
	P1	-0.003	0.000	0.010	0.000	0.003	0.000
	SUM	-0.259	-0.345	0.786	0.194	0.266	0.176
	RESP TOTAL	0.000	0.000	0.109	0.000	0.044	0.000
A03 M	GR	0.000	-0.379	0.000	0.209	0.000	0.158
	T1	-0.284	0.000	0.825	0.000	0.130	0.000
	P1	-0.004	0.000	0.011	0.000	0.002	0.000
	SUM	-0.288	-0.379	0.836	0.209	0.132	0.158
	RESP TOTAL	0.002	0.000	0.119	0.000	0.030	0.000
A03 F	GR	0.000	-0.379	0.000	0.221	0.000	0.137
	T1	-0.309	0.000	0.828	0.000	-0.008	0.000
	P1	-0.004	0.000	0.011	0.000	0.000	0.000
	SUM	-0.313	-0.379	0.839	0.221	-0.008	0.137
	RESP TOTAL	0.005	0.000	0.124	0.000	0.014	0.000
TOTAL		0.318	0.379	0.963	0.221	0.022	0.137

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A04	GR	0.000	-0.378	0.000	0.222	0.000	0.135
	T1	-0.310	0.000	0.827	0.000	-0.020	0.000
	P1	-0.004	0.000	0.011	0.000	0.000	0.000
	SUM	-0.314	-0.378	0.837	0.222	-0.020	0.135
	TOTAL	0.005	0.000	0.125	0.000	0.012	0.000
A05	GR	0.000	0.000	0.000	0.190	0.000	0.061
	T1	-0.115	0.000	0.115	0.000	-0.172	0.000
	P1	0.002	0.000	0.002	0.000	-0.002	0.000
	SUM	-0.117	0.000	0.117	0.190	-0.175	0.061
	TOTAL	0.060	0.000	0.060	0.000	0.044	0.000
A06	GR	0.000	0.000	0.000	0.056	0.000	0.079
	T1	-0.039	0.000	-0.039	0.000	-0.201	0.000
	P1	0.000	0.000	0.000	0.000	-0.003	0.000
	SUM	-0.040	0.000	-0.040	0.056	-0.204	0.079
	TOTAL	0.060	0.000	0.060	0.000	0.064	0.000
A07	GR	0.000	0.000	0.000	0.056	0.268	0.079
	T1	0.000	0.000	0.000	0.038	0.000	0.012
	P1	0.264	0.000	-0.571	0.000	0.032	0.000
	SUM	0.004	0.000	-0.008	0.000	0.000	0.000
	TOTAL	0.267	0.000	-0.579	0.038	0.033	0.012
A08 N	GR	0.000	0.002	0.000	0.035	0.000	0.011
	T1	0.254	0.000	-0.572	0.000	0.097	0.000
	P1	0.004	0.000	-0.008	0.000	0.001	0.000
	SUM	0.257	0.002	-0.579	0.035	0.098	0.011
	TOTAL	0.068	0.000	0.188	0.000	0.052	0.000
A08 M	GR	0.335	0.000	0.766	0.038	0.085	0.012
	T1	0.000	0.005	0.000	0.022	0.000	0.002
	P1	0.172	0.000	-0.442	0.000	0.473	0.000
	SUM	0.002	0.000	-0.006	0.000	0.006	0.000
	TOTAL	0.175	0.005	-0.447	0.022	0.479	0.002
A08 H	GR	0.078	0.000	0.203	0.000	0.004	0.000
	T1	0.329	0.002	0.771	0.035	0.143	0.011
	P1	0.000	0.005	0.000	0.022	0.000	0.002
	SUM	0.172	0.000	-0.442	0.000	0.473	0.000
	TOTAL	0.078	0.000	0.203	0.000	0.004	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A08 F	GR	0.000	0.002	0.000	0.013	0.000	-0.004
	T1	0.274	0.000	-0.120	0.000	0.744	0.000
	P1	0.004	0.000	-0.002	0.000	0.010	0.000
	SUM	0.277	0.002	-0.122	0.013	0.754	-0.004
	TOTAL	0.083	0.000	0.196	0.000	0.035	0.000
A10	GR	0.360	0.002	0.317	0.013	0.789	0.004
	T1	0.000	0.000	0.000	0.011	0.000	-0.003
	P1	0.465	0.000	0.112	0.000	0.778	0.000
	SUM	0.006	0.000	0.001	0.000	0.010	0.000
	TOTAL	0.472	0.000	0.113	0.011	0.788	-0.003
A11 N	GR	0.095	0.000	0.183	0.000	0.058	0.000
	T1	0.567	0.000	0.296	0.011	0.846	0.003
	P1	0.000	-0.001	0.000	0.012	0.000	-0.002
	SUM	0.517	0.000	0.174	0.000	0.762	0.000
	TOTAL	0.007	0.000	0.002	0.000	0.010	0.000
A11 M	GR	0.524	-0.001	0.177	0.012	0.772	-0.002
	T1	0.100	0.000	0.178	0.000	0.063	0.000
	P1	0.624	0.001	0.355	0.012	0.836	0.002
	SUM	0.000	-0.003	0.000	0.011	0.000	-0.001
	TOTAL	0.625	0.000	0.516	0.000	0.533	0.000
A11 F	GR	0.008	0.000	0.007	0.000	0.007	0.000
	T1	0.633	-0.003	0.523	0.011	0.560	-0.001
	P1	0.115	0.000	0.141	0.000	0.085	0.000
	SUM	0.748	0.003	0.664	0.011	0.625	0.001
	TOTAL	0.000	-0.001	0.000	0.008	0.000	0.000
A12	GR	0.525	0.000	0.686	0.000	0.199	0.000
	T1	0.007	0.000	0.009	0.000	0.003	0.000
	P1	0.532	-0.001	0.695	0.008	0.201	0.000
	SUM	0.096	0.000	0.096	0.000	0.094	0.000
	TOTAL	0.628	0.001	0.791	0.008	0.296	0.000
A12	GR	0.000	0.000	0.000	0.007	0.000	0.001
	T1	0.508	0.000	0.693	0.000	0.143	0.000
	P1	0.007	0.000	0.009	0.000	0.002	0.000
	SUM	0.514	0.000	0.702	0.007	0.145	0.001
	TOTAL	0.089	0.000	0.089	0.000	0.095	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A13	GR	0.000	0.000	0.000	-0.002	0.000	0.009
	T1	0.519	0.000	0.519	0.000	-0.126	0.000
	P1	0.007	0.000	0.007	0.000	-0.002	0.000
	SUM	0.526	0.000	0.526	-0.002	-0.128	0.009
	RESP	0.000	0.000	0.000	0.000	0.047	0.000
	TOTAL	0.526	0.000	0.526	0.002	0.175	0.009
A14	GR	0.000	0.000	0.000	0.004	0.000	0.001
	T1	0.390	0.000	0.390	0.000	0.034	0.000
	P1	0.005	0.000	0.005	0.000	0.000	0.000
	SUM	0.395	0.000	0.395	0.004	0.034	0.001
	RESP	0.000	0.000	0.000	0.000	0.013	0.000
	TOTAL	0.395	0.000	0.395	0.004	0.047	0.001
A15	GR	0.000	0.000	0.000	0.001	0.000	0.002
	T1	0.260	0.000	0.260	0.000	-0.009	0.000
	P1	0.003	0.000	0.003	0.000	0.000	0.000
	SUM	0.263	0.000	0.263	0.001	-0.009	0.002
	RESP	0.000	0.000	0.000	0.000	0.003	0.000
	TOTAL	0.263	0.000	0.263	0.001	0.012	0.002
A16	GR	0.000	0.000	0.000	0.001	0.000	0.001
	T1	0.130	0.000	0.130	0.000	0.002	0.000
	P1	0.002	0.000	0.002	0.000	0.000	0.000
	SUM	0.132	0.000	0.132	0.001	0.002	0.001
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.132	0.000	0.132	0.001	0.003	0.001
A17	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A18	GR	0.000	0.000	0.000	0.001	0.000	0.001
	T1	-0.130	0.000	-0.130	0.000	-0.002	0.000
	P1	-0.002	0.000	-0.002	0.000	0.000	0.000
	SUM	-0.132	0.000	-0.132	0.001	-0.002	0.001
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.132	0.000	0.132	0.001	0.003	0.001

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A19	GR	0.000	0.000	0.000	0.002	0.000	0.001
	T1	-0.261	0.000	-0.261	0.000	0.007	0.000
	P1	-0.003	0.000	-0.003	0.000	0.000	0.000
	SUM	-0.264	0.000	-0.264	0.002	0.007	0.001
	RESP	0.001	0.000	0.001	0.001	0.004	0.001
	TOTAL	0.264	0.000	0.264	0.002	0.012	0.002
A20	GR	0.000	0.000	0.000	0.000	-0.002	0.004
	T1	-0.391	0.000	-0.391	0.000	-0.026	-0.001
	P1	-0.005	0.000	-0.005	0.000	0.000	0.000
	SUM	-0.396	0.000	-0.396	0.000	-0.028	0.003
	RESP	0.001	0.000	0.001	0.001	0.016	0.002
	TOTAL	0.396	0.000	0.396	0.002	0.044	0.005
A21	GR	0.000	0.000	0.000	0.009	0.006	-0.003
	T1	-0.521	0.000	-0.521	-0.002	0.097	0.001
	P1	-0.007	0.000	-0.007	0.000	0.001	0.000
	SUM	-0.528	0.000	-0.528	0.007	0.104	-0.003
	RESP	0.001	0.000	0.001	0.003	0.060	0.001
	TOTAL	0.529	0.000	0.529	0.010	0.164	0.003
A22	GR	-0.004	0.000	0.004	-0.002	-0.007	0.009
	T1	-0.693	0.000	-0.512	0.003	-0.055	-0.004
	P1	-0.009	0.000	-0.007	0.000	0.001	0.000
	SUM	-0.706	0.000	-0.514	0.001	-0.063	0.004
	RESP	0.102	0.000	0.102	0.001	0.114	0.005
	TOTAL	0.808	0.000	0.616	0.002	0.177	0.009
A23 N	GR	-0.003	-0.001	0.004	-0.004	-0.010	0.010
	T1	-0.693	0.004	-0.521	0.004	-0.091	-0.005
	P1	-0.009	0.000	-0.007	0.000	0.000	0.000
	SUM	-0.705	0.000	-0.526	0.000	-0.102	0.005
	RESP	0.110	0.000	0.110	0.002	0.117	0.006
	TOTAL	0.815	0.001	0.635	0.002	0.219	0.011
A23 M	GR	0.006	-0.006	0.000	-0.004	-0.026	0.014
	T1	-0.608	0.004	-0.592	0.005	-0.305	-0.005
	P1	-0.008	0.000	-0.008	0.000	0.004	0.000
	SUM	-0.610	-0.002	-0.599	0.000	-0.335	0.007
	RESP	0.164	0.003	0.150	0.003	0.147	0.009
	TOTAL	0.774	0.005	0.729	0.004	0.482	0.016

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A23 F	GR	0.022	-0.004	0.007	-0.001	-0.037	0.016
	T1	-0.401	0.004	-0.543	-0.001	-0.454	-0.009
	P1	-0.005	0.000	-0.007	0.000	-0.006	0.000
	SUM	-0.385	0.000	-0.542	-0.002	-0.497	0.007
	RESP	0.227	0.003	0.118	0.003	0.173	0.012
	TOTAL	0.612	0.003	0.660	0.005	0.670	0.019
A25	GR	0.032	0.000	0.018	-0.001	-0.038	0.014
	T1	-0.254	0.000	-0.435	-0.007	-0.460	-0.012
	P1	-0.003	0.000	-0.006	0.000	-0.006	0.000
	SUM	-0.225	0.000	-0.423	-0.009	-0.504	0.002
	RESP	0.262	0.000	0.130	0.002	0.167	0.015
	TOTAL	0.487	0.000	0.553	0.011	0.671	0.017
A26 N	GR	0.035	0.001	0.021	-0.002	-0.037	0.013
	T1	-0.215	-0.002	-0.407	-0.009	-0.446	-0.013
	P1	-0.003	0.000	-0.005	0.000	-0.006	0.000
	SUM	-0.182	-0.001	-0.392	-0.011	-0.488	0.000
	RESP	0.270	0.001	0.138	0.002	0.161	0.016
	TOTAL	0.453	0.002	0.530	0.013	0.650	0.016
A26 M	GR	0.050	0.003	0.027	0.000	-0.024	0.012
	T1	-0.017	-0.007	-0.361	-0.006	-0.277	-0.007
	P1	0.000	0.000	-0.005	0.000	-0.004	0.000
	SUM	0.033	-0.004	-0.338	-0.006	-0.305	0.005
	RESP	0.311	0.005	0.161	0.003	0.109	0.023
	TOTAL	0.344	0.009	0.499	0.008	0.414	0.028
A26 F	GR	0.057	0.001	0.025	0.002	-0.007	0.014
	T1	0.049	-0.002	-0.421	0.012	-0.043	0.002
	P1	0.001	0.000	-0.006	0.000	-0.001	0.000
	SUM	0.107	-0.001	-0.402	0.014	-0.050	0.016
	RESP	0.318	0.002	0.146	0.009	0.069	0.031
	TOTAL	0.425	0.003	0.548	0.023	0.120	0.047
A27	GR	0.057	0.000	0.025	0.002	-0.003	0.014
	T1	0.045	0.000	-0.428	0.015	-0.002	0.003
	P1	0.001	0.000	-0.006	0.000	0.000	0.000
	SUM	0.103	0.000	-0.409	0.017	-0.005	0.018
	RESP	0.315	0.000	0.142	0.010	0.074	0.033
	TOTAL	0.418	0.000	0.552	0.027	0.079	0.051

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A28	GR	0.041	-0.007	0.041	0.004	0.010	0.013
	T1	-0.291	0.007	-0.291	0.012	0.144	-0.001
	P1	-0.004	0.001	-0.004	0.000	0.002	0.000
	SUM	-0.255	0.041	-0.255	0.017	0.156	0.011
	RESP	0.185	0.030	0.185	0.018	0.080	0.030
	TOTAL	0.439	0.071	0.439	0.035	0.236	0.041
A29	GR	0.041	-0.007	0.041	0.006	-0.005	0.006
	T1	-0.428	0.069	-0.428	-0.022	0.008	-0.030
	P1	-0.006	0.001	-0.006	0.000	0.000	0.000
	SUM	-0.393	0.063	-0.393	-0.017	0.003	-0.025
	RESP	0.185	0.030	0.185	0.016	0.031	0.017
	TOTAL	0.578	0.093	0.578	0.033	0.034	0.041
A30	GR	0.041	-0.007	0.041	0.011	0.006	0.000
	T1	-0.566	0.091	-0.566	-0.084	-0.151	-0.036
	P1	-0.007	0.001	-0.007	-0.001	-0.002	0.000
	SUM	-0.532	0.086	-0.532	-0.074	-0.147	-0.037
	RESP	0.185	0.030	0.185	0.025	0.086	0.012
	TOTAL	0.717	0.115	0.717	0.099	0.234	0.049
A31	GR	0.034	0.000	0.048	0.007	-0.004	0.001
	T1	-0.452	0.000	-0.901	-0.093	0.088	-0.021
	P1	-0.006	0.000	-0.012	-0.001	0.001	0.000
	SUM	-0.424	0.000	-0.864	-0.087	0.085	-0.020
	RESP	0.290	0.000	0.242	0.024	0.167	0.005
	TOTAL	0.715	0.000	1.106	0.111	0.252	0.026
A32 N	GR	0.034	0.000	0.048	0.005	-0.006	0.002
	T1	-0.466	-0.004	-0.899	-0.087	0.142	-0.019
	P1	-0.006	0.000	-0.012	-0.001	0.002	0.000
	SUM	-0.438	-0.004	-0.862	-0.083	0.137	-0.018
	RESP	0.303	0.001	0.242	0.022	0.164	0.005
	TOTAL	0.741	0.006	1.105	0.105	0.301	0.023
A32 M	GR	0.036	0.000	0.043	0.002	-0.017	0.001
	T1	-0.551	-0.010	-0.769	-0.057	0.450	-0.005
	P1	-0.007	0.000	-0.010	-0.001	0.006	0.000
	SUM	-0.522	-0.010	-0.737	-0.056	0.440	-0.004
	RESP	0.334	0.003	0.246	0.015	0.141	0.003
	TOTAL	0.856	0.013	0.983	0.071	0.581	0.007

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A32 F	GR	0.031	0.000	0.032	0.000	-0.025	-0.001
	T1	-0.457	-0.001	-0.467	-0.030	0.708	0.009
	P1	-0.006	0.000	-0.006	0.000	0.009	0.000
	SUM	-0.432	-0.001	-0.441	-0.030	0.692	0.009
	RESP	0.309	0.000	0.292	0.008	0.125	0.001
	TOTAL	0.741	0.002	0.734	0.038	0.817	0.010
A33	GR	0.029	0.000	0.030	0.000	-0.027	-0.001
	T1	-0.409	0.000	-0.408	-0.025	0.740	0.011
	P1	-0.005	0.000	-0.005	0.000	0.010	0.000
	SUM	-0.385	0.000	-0.384	-0.025	0.723	0.011
	RESP	0.302	0.000	0.298	0.007	0.126	0.002
	TOTAL	0.686	0.000	0.682	0.032	0.849	0.012
A34	GR	0.011	0.000	0.012	0.001	-0.027	0.000
	T1	0.055	0.000	0.152	-0.007	0.734	0.009
	P1	0.001	0.000	0.002	0.000	0.010	0.000
	SUM	0.067	0.000	0.166	-0.006	0.717	0.009
	RESP	0.265	0.000	0.325	0.001	0.125	0.002
	TOTAL	0.332	0.000	0.491	0.007	0.842	0.012
A35 N	GR	0.009	0.000	0.010	0.001	-0.025	0.000
	T1	0.103	0.000	0.210	-0.006	0.700	0.007
	P1	0.001	0.000	0.003	0.000	0.009	0.000
	SUM	0.113	0.000	0.223	-0.005	0.684	0.008
	RESP	0.265	0.000	0.325	0.001	0.122	0.002
	TOTAL	0.379	0.000	0.548	0.006	0.806	0.009
A35 M	GR	0.004	0.000	0.000	0.001	-0.017	-0.001
	T1	0.194	0.000	0.508	-0.004	0.435	0.000
	P1	0.002	0.000	0.007	0.000	0.006	0.000
	SUM	0.201	-0.001	0.514	-0.003	0.424	-0.001
	RESP	0.272	0.000	0.301	0.001	0.094	0.000
	TOTAL	0.473	0.001	0.815	0.004	0.517	0.001
A35 F	GR	0.006	0.000	-0.006	-0.002	-0.006	0.000
	T1	0.112	0.000	0.632	-0.002	0.119	-0.002
	P1	0.001	0.000	0.008	0.000	0.002	0.000
	SUM	0.120	0.000	0.635	-0.004	0.115	-0.003
	RESP	0.247	0.000	0.247	0.000	0.140	0.001
	TOTAL	0.367	0.000	0.882	0.004	0.255	0.003

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A36	GR	0.007	0.000	-0.007	-0.003	-0.004	0.001
	T1	0.100	0.000	0.634	-0.002	0.066	-0.002
	P1	0.001	0.000	0.008	0.000	0.001	0.000
	SUM	0.108	0.000	0.636	-0.005	0.063	-0.001
	RESP	0.237	0.000	0.237	0.000	0.150	0.001
	TOTAL	0.345	0.000	0.872	0.005	0.212	0.002
A37	GR	0.000	0.000	0.000	-0.003	0.005	0.002
	T1	0.261	0.000	0.260	-0.001	-0.179	-0.001
	P1	0.003	0.000	0.003	0.000	-0.002	0.000
	SUM	0.264	0.000	0.264	-0.005	-0.176	0.000
	RESP	0.000	0.000	0.000	0.000	0.099	0.000
	TOTAL	0.264	0.000	0.264	0.005	0.275	0.000
A38	GR	0.000	0.000	0.000	0.000	-0.001	-0.001
	T1	0.130	0.000	0.130	-0.001	0.045	-0.001
	P1	0.002	0.000	0.002	0.000	0.001	0.000
	SUM	0.132	0.000	0.132	-0.001	0.044	-0.002
	RESP	0.000	0.000	0.000	0.000	0.025	0.000
	TOTAL	0.132	0.000	0.132	0.001	0.069	0.002
A39	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A40	GR	0.000	0.000	0.000	0.133	0.000	0.082
	T1	-0.129	0.000	-0.129	0.000	-0.084	0.000
	P1	-0.002	0.000	-0.002	0.000	-0.002	0.000
	SUM	-0.131	0.000	-0.131	0.133	-0.086	0.082
	RESP	0.000	0.000	0.000	0.042	0.000	0.028
	TOTAL	0.131	0.000	0.131	0.174	0.086	0.109
A41	GR	0.000	0.000	0.000	0.112	0.000	0.317
	T1	-0.370	0.000	-0.148	0.000	0.526	0.000
	P1	-0.003	0.000	-0.003	0.000	0.007	0.000
	SUM	-0.373	0.000	-0.151	0.112	0.532	0.317
	RESP	0.000	0.000	0.000	0.041	0.000	0.098
	TOTAL	0.373	0.000	0.151	0.152	0.532	0.415

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A42	GR	0.000	-0.658	0.000	0.144	0.000	0.496
	T1	-1.772	0.000	0.998	0.000	0.344	0.000
	P1	-0.023	0.000	0.013	0.000	0.005	0.000
	SUM	-1.795	-0.658	1.011	0.144	0.349	0.496
	RESP	0.000	0.191	0.000	0.048	0.000	0.159
TOTAL	1.795	0.849	1.011	0.192	0.349	0.656	
A43 N	GR	0.000	-0.664	0.000	0.147	0.000	0.496
	T1	-1.779	0.000	1.002	0.000	0.324	0.000
	P1	-0.023	0.000	0.013	0.000	0.005	0.000
	SUM	-1.802	-0.664	1.015	0.147	0.329	0.496
	RESP	0.000	0.193	0.000	0.049	0.000	0.159
TOTAL	1.802	0.858	1.015	0.196	0.329	0.655	
A43 M	GR	0.000	-0.703	0.000	0.173	0.000	0.491
	T1	-1.837	0.000	1.020	0.000	0.097	0.000
	P1	-0.024	0.000	0.013	0.000	0.001	0.000
	SUM	-1.861	-0.703	1.033	0.173	0.098	0.491
	RESP	0.000	0.205	0.000	0.057	0.000	0.158
TOTAL	1.861	0.908	1.033	0.231	0.098	0.649	
A43 F	GR	0.000	-0.679	0.000	0.199	0.000	0.483
	T1	-1.835	0.000	1.001	0.000	-0.134	0.000
	P1	-0.024	0.000	0.013	0.000	-0.002	0.000
	SUM	-1.859	-0.679	1.014	0.199	-0.136	0.483
	RESP	0.000	0.197	0.000	0.066	0.000	0.155
TOTAL	1.859	0.876	1.014	0.265	0.136	0.638	
A44	GR	0.000	-0.674	0.000	0.201	0.000	0.482
	T1	-1.832	0.000	0.999	0.000	-0.154	0.000
	P1	-0.024	0.000	0.013	0.000	-0.002	0.000
	SUM	-1.855	-0.674	1.012	0.201	-0.156	0.482
	RESP	0.000	0.196	0.000	0.067	0.000	0.155
TOTAL	1.855	0.869	1.012	0.268	0.156	0.637	
A45	GR	0.000	0.000	0.000	0.146	0.000	0.386
	T1	-0.151	0.000	0.801	0.000	-0.468	0.000
	P1	0.000	0.000	0.010	0.000	-0.007	0.000
	SUM	-0.151	0.000	0.811	0.146	-0.475	0.386
	RESP	0.000	0.000	0.000	0.040	0.000	0.124
TOTAL	0.151	0.000	0.811	0.186	0.475	0.510	

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A46	GR	0.000	0.000	0.000	-0.039	0.000	0.287
	T1	-0.112	0.000	0.595	0.000	0.110	0.000
	P1	0.000	0.000	0.008	0.000	0.002	0.000
	SUM	-0.112	0.000	0.603	-0.039	0.112	0.287
	RESP	0.000	0.000	0.000	0.011	0.000	0.092
TOTAL	0.112	0.000	0.603	0.050	0.112	0.379	
A47	GR	0.000	0.000	0.000	0.012	0.000	0.188
	T1	-0.073	0.000	0.389	0.000	-0.056	0.000
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	-0.073	0.000	0.394	0.012	-0.056	0.188
	RESP	0.000	0.000	0.000	0.003	0.000	0.060
TOTAL	0.073	0.000	0.394	0.015	0.056	0.248	
A48	GR	0.000	0.000	0.000	-0.003	0.000	0.094
	T1	0.000	0.000	0.195	0.000	-0.007	0.000
	P1	0.000	0.000	0.003	0.000	0.000	0.000
	SUM	0.000	0.000	0.197	-0.003	-0.006	0.094
	RESP	0.000	0.000	0.000	0.001	0.000	0.030
TOTAL	0.000	0.000	0.197	0.004	0.006	0.124	
A49	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	
A50	GR	0.000	0.000	0.000	0.000	0.000	0.002
	T1	0.000	0.000	-0.196	0.000	-0.001	0.000
	P1	0.000	0.000	-0.003	0.000	0.000	0.000
	SUM	0.000	0.000	-0.198	0.000	-0.001	0.002
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.198	0.000	0.001	0.002	
A51	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.392	0.000	0.004	0.000
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.397	0.000	0.004	0.005
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
TOTAL	0.000	0.000	0.397	0.000	0.006	0.005	

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A52	GR	0.000	0.000	0.000	0.000	0.000	0.007
	T1	0.000	0.000	-0.588	0.000	-0.014	0.000
	P1	0.000	0.000	-0.008	0.000	0.000	0.000
	SUM	0.000	0.000	-0.595	0.000	-0.015	0.007
	RESP	0.000	0.000	0.000	0.000	0.007	0.000
	TOTAL	0.000	0.000	0.595	0.000	0.022	0.007
A53	GR	0.000	0.000	0.000	0.002	0.000	0.009
	T1	0.000	0.000	-0.784	0.000	0.054	0.000
	P1	0.000	0.000	-0.010	0.000	0.001	0.000
	SUM	0.000	0.000	-0.794	0.002	0.055	0.009
	RESP	0.000	0.000	0.000	0.000	0.027	0.000
	TOTAL	0.000	0.000	0.794	0.002	0.082	0.009
I53	GR	0.000	0.000	0.000	-0.006	0.000	0.011
	T1	0.000	0.000	-0.980	0.000	-0.202	0.000
	P1	0.000	0.000	-0.013	0.000	-0.003	0.000
	SUM	0.000	0.000	-0.992	-0.006	-0.205	0.011
	RESP	0.000	0.000	0.000	0.000	0.102	0.000
	TOTAL	0.000	0.000	0.992	0.006	0.307	0.011
A54	GR	0.000	0.000	0.000	0.018	0.000	0.014
	T1	0.495	0.000	-1.183	0.000	0.234	0.000
	P1	0.007	0.000	-0.015	0.000	0.003	0.000
	SUM	0.502	0.000	-1.199	0.018	0.238	0.014
	RESP	0.536	0.000	0.000	0.000	0.191	0.000
	TOTAL	1.038	0.000	1.199	0.018	0.429	0.014
A55 N	GR	0.000	0.002	0.000	0.015	0.000	0.014
	T1	0.468	0.000	-1.191	0.000	0.296	0.000
	P1	0.006	0.000	-0.015	0.000	0.004	0.000
	SUM	0.474	0.002	-1.206	0.015	0.300	0.014
	RESP	0.556	0.000	0.000	0.000	0.184	0.000
	TOTAL	1.030	0.002	1.206	0.015	0.484	0.014
A55 M	GR	0.000	0.005	0.000	0.009	0.000	0.012
	T1	0.225	0.000	-1.119	0.000	0.652	0.000
	P1	0.003	0.000	-0.015	0.000	0.009	0.000
	SUM	0.228	0.005	-1.133	0.009	0.661	0.012
	RESP	0.636	0.000	0.032	0.000	0.139	0.000
	TOTAL	0.864	0.005	1.165	0.009	0.799	0.012

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A55 F	GR	0.000	0.001	0.000	0.005	0.000	0.009
	T1	0.031	0.000	-0.726	0.000	0.964	0.000
	P1	0.000	0.000	-0.010	0.000	0.013	0.000
	SUM	0.032	0.001	-0.735	0.005	0.976	0.009
	RESP	0.661	0.000	0.087	0.000	0.086	0.000
	TOTAL	0.693	0.001	0.822	0.005	1.062	0.009
A56	GR	0.000	0.000	0.000	0.005	0.000	0.009
	T1	0.024	0.000	-0.623	0.000	1.008	0.000
	P1	0.000	0.000	-0.008	0.000	0.013	0.000
	SUM	0.024	0.000	-0.631	0.005	1.021	0.009
	RESP	0.661	0.000	0.095	0.000	0.075	0.000
	TOTAL	0.685	0.000	0.726	0.005	1.097	0.009
I56	GR	0.000	0.000	0.000	-0.005	0.000	-0.010
	T1	-0.089	0.000	1.085	0.000	1.004	0.000
	P1	-0.001	0.000	0.014	0.000	0.013	0.000
	SUM	-0.090	0.000	1.099	-0.005	1.017	-0.010
	RESP	0.661	0.000	0.094	0.000	0.076	0.000
	TOTAL	0.752	0.000	1.193	0.005	1.093	0.010
A57 N	GR	0.000	0.001	0.000	-0.006	0.000	-0.010
	T1	-0.097	0.000	1.187	0.000	0.959	0.000
	P1	-0.001	0.000	0.016	0.000	0.013	0.000
	SUM	-0.098	0.001	1.203	-0.006	0.972	-0.010
	RESP	0.661	0.000	0.086	0.000	0.086	0.000
	TOTAL	0.759	0.001	1.289	0.006	1.058	0.010
A57 M	GR	0.000	0.005	0.000	-0.009	0.000	-0.013
	T1	-0.289	0.000	1.578	0.000	0.665	0.000
	P1	-0.004	0.000	0.021	0.000	0.008	0.000
	SUM	-0.293	0.005	1.598	-0.009	0.653	-0.013
	RESP	0.637	0.000	0.031	0.000	0.137	0.000
	TOTAL	0.929	0.005	1.630	0.009	0.790	0.013
A57 F	GR	0.000	0.002	0.000	-0.016	0.000	-0.014
	T1	-0.528	0.000	1.648	0.000	0.286	0.000
	P1	-0.007	0.000	0.021	0.000	0.004	0.000
	SUM	-0.535	0.002	1.669	-0.016	0.290	-0.014
	RESP	0.557	0.000	0.000	0.000	0.181	0.000
	TOTAL	1.092	0.002	1.669	0.016	0.471	0.014

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A58	GR	0.000	0.000	0.000	-0.018	0.000	-0.014
	T1	-0.554	0.000	1.640	0.000	0.224	0.000
	P1	-0.007	0.000	0.021	0.000	0.003	0.000
	SUM	-0.561	0.000	1.662	-0.018	0.227	-0.014
	RESP	0.538	0.000	0.000	0.000	0.188	0.000
	TOTAL	1.099	0.000	1.662	0.018	0.415	0.014
A59	GR	0.000	0.000	0.000	0.005	0.000	-0.013
	T1	0.000	0.000	1.434	0.000	-0.217	0.000
	P1	0.000	0.000	0.019	0.000	-0.003	0.000
	SUM	0.000	0.000	1.452	0.005	-0.220	-0.013
	RESP	0.000	0.000	0.000	0.000	0.103	0.000
	TOTAL	0.000	0.000	1.453	0.005	0.322	0.013
A60	GR	0.000	0.000	0.000	-0.001	0.000	-0.011
	T1	0.000	0.000	1.229	0.000	0.058	0.000
	P1	0.000	0.000	0.016	0.000	0.001	0.000
	SUM	0.000	0.000	1.245	-0.001	0.059	-0.011
	RESP	0.000	0.000	0.000	0.000	0.027	0.000
	TOTAL	0.000	0.000	1.245	0.001	0.086	0.011
A61	GR	0.000	0.000	0.000	0.000	0.000	-0.009
	T1	0.000	0.000	1.024	0.000	-0.015	0.000
	P1	0.000	0.000	0.013	0.000	0.000	0.000
	SUM	0.000	0.000	1.037	0.000	-0.016	-0.009
	RESP	0.000	0.000	0.000	0.000	0.007	0.000
	TOTAL	0.000	0.000	1.038	0.000	0.023	0.009
A62	GR	0.000	0.000	0.000	0.000	0.000	-0.007
	T1	0.000	0.000	0.819	0.000	0.004	0.000
	P1	0.000	0.000	0.011	0.000	0.000	0.000
	SUM	0.000	0.000	0.830	0.000	0.004	-0.007
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.830	0.000	0.006	0.007
A63	GR	0.000	0.000	0.000	0.000	0.000	-0.005
	T1	0.000	0.000	0.614	0.000	-0.001	0.000
	P1	0.000	0.000	0.008	0.000	0.000	0.000
	SUM	0.000	0.000	0.622	0.000	-0.001	-0.005
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.623	0.000	0.002	0.005

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A64	GR	0.000	0.000	0.000	0.000	0.000	-0.004
	T1	0.000	0.000	0.410	0.000	0.000	0.000
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.415	0.000	0.000	-0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.415	0.000	0.000	0.004
A65	GR	0.000	0.000	0.000	0.000	0.000	-0.002
	T1	0.000	0.000	0.205	0.000	0.000	0.000
	P1	0.000	0.000	0.003	0.000	0.000	0.000
	SUM	0.000	0.000	0.207	0.000	0.000	-0.002
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.208	0.000	0.000	0.002
A66	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A67	GR	0.000	0.000	0.000	0.000	0.000	0.002
	T1	0.000	0.000	-0.205	0.000	0.000	0.006
	P1	0.000	0.000	-0.003	0.000	0.000	0.000
	SUM	0.000	0.000	-0.207	0.000	0.000	0.007
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.207	0.000	0.000	0.007
A68	GR	0.000	0.000	0.000	0.000	0.000	0.004
	T1	0.000	0.000	-0.409	0.000	0.000	0.011
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.415	0.000	0.000	0.015
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.415	0.000	0.000	0.015
A69	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.614	0.000	-0.001	0.017
	P1	0.000	0.000	-0.008	0.000	0.000	0.000
	SUM	0.000	0.000	-0.622	0.000	-0.001	0.022
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.622	0.000	0.002	0.022

D I S P L A C E M E N T S

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A70	GR	0.000	0.000	0.000	0.000	0.000	0.007
	T1	0.000	0.000	-0.819	0.000	0.005	0.022
	P1	0.000	0.000	-0.011	0.000	0.000	0.000
	SUM	0.000	0.000	-0.829	0.000	0.005	0.030
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.829	0.000	0.007	0.030
A71	GR	0.000	0.000	0.000	0.000	0.000	0.009
	T1	0.000	0.000	-1.023	0.000	-0.017	0.028
	P1	0.000	0.000	-0.013	0.000	0.000	0.000
	SUM	0.000	0.000	-1.037	-0.001	-0.017	0.037
	RESP	0.000	0.000	0.000	0.000	0.008	0.000
	TOTAL	0.000	0.000	1.037	0.001	0.025	0.037
A72	GR	0.000	0.000	0.000	0.001	0.000	0.011
	T1	0.000	0.000	-1.228	0.001	0.064	0.033
	P1	0.000	0.000	-0.016	0.000	0.001	0.000
	SUM	0.000	0.000	-1.244	0.002	0.065	0.044
	RESP	0.000	0.000	0.000	0.000	0.028	0.000
	TOTAL	0.000	0.000	1.244	0.002	0.093	0.045
A73	GR	0.000	0.000	0.000	-0.005	0.000	0.013
	T1	0.000	0.000	-1.433	-0.003	-0.239	0.039
	P1	0.000	0.000	-0.019	0.000	-0.003	0.001
	SUM	0.000	0.000	-1.451	-0.008	-0.243	0.052
	RESP	0.000	0.000	0.000	0.000	0.106	0.000
	TOTAL	0.000	0.000	1.452	0.008	0.348	0.052
A74	GR	0.000	0.000	0.000	0.018	0.000	0.011
	T1	0.591	0.000	-1.639	0.011	0.269	0.044
	P1	0.008	0.000	-0.021	0.000	0.003	0.001
	SUM	0.599	0.000	-1.661	0.030	0.273	0.059
	RESP	0.553	0.000	0.000	0.000	0.194	0.000
	TOTAL	1.152	0.000	1.661	0.030	0.466	0.059
A75 N	GR	0.000	0.002	0.000	0.016	0.000	0.014
	T1	0.559	0.001	-1.647	0.013	0.340	0.044
	P1	0.007	0.000	-0.021	0.000	0.004	0.001
	SUM	0.567	0.003	-1.668	0.029	0.344	0.059
	RESP	0.573	0.000	0.000	0.000	0.186	0.000
	TOTAL	1.140	0.003	1.668	0.029	0.530	0.060

D I S P L A C E M E N T S

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A75 M	GR	-0.000	0.005	0.000	0.009	0.000	0.013
	T1	0.282	0.005	-1.559	0.037	0.746	0.041
	P1	0.004	0.000	-0.020	0.000	0.010	0.001
	SUM	0.286	0.010	-1.579	0.047	0.755	0.054
	RESP	0.655	0.000	0.032	0.000	0.141	0.000
	TOTAL	0.941	0.010	1.612	0.047	0.896	0.054
A75 F	GR	0.000	0.000	0.000	0.006	0.000	0.010
	T1	0.065	0.002	-1.107	0.069	1.101	0.026
	P1	0.001	0.000	-0.014	0.001	0.014	0.000
	SUM	0.066	0.003	-1.121	0.075	1.116	0.036
	RESP	0.680	0.000	0.088	0.000	0.088	0.000
	TOTAL	0.746	0.003	1.209	0.075	1.203	0.036
A76	GR	-0.001	0.000	0.001	0.005	0.000	0.010
	T1	0.057	0.000	-0.985	0.074	1.154	0.021
	P1	0.001	0.000	-0.013	0.001	0.015	0.000
	SUM	0.057	0.000	-0.997	0.080	1.169	0.031
	RESP	0.680	0.000	0.097	0.000	0.077	0.000
	TOTAL	0.737	0.000	1.094	0.080	1.246	0.031
I76	GR	-0.001	0.000	0.001	-0.005	0.000	-0.010
	T1	-0.057	0.000	0.985	0.074	1.154	0.021
	P1	-0.001	0.000	0.013	0.001	0.015	0.000
	SUM	-0.058	0.000	0.999	0.070	1.169	0.011
	RESP	0.680	0.000	0.097	0.000	0.077	0.000
	TOTAL	0.738	0.000	1.095	0.070	1.246	0.011
A77 N	GR	0.000	0.001	0.000	-0.006	0.000	-0.010
	T1	-0.065	-0.002	1.107	0.069	1.101	0.026
	P1	-0.001	0.000	0.014	0.001	0.014	0.000
	SUM	-0.066	-0.001	1.122	0.064	1.116	0.016
	RESP	0.680	0.000	0.088	0.000	0.088	0.000
	TOTAL	0.747	0.001	1.210	0.064	1.204	0.017
A77 M	GR	0.000	0.005	0.000	-0.009	0.000	-0.013
	T1	-0.282	-0.005	1.559	0.037	0.746	0.041
	P1	-0.004	0.000	0.020	0.000	0.010	0.001
	SUM	-0.286	-0.001	1.580	0.029	0.756	0.029
	RESP	0.655	0.000	0.032	0.000	0.141	0.000
	TOTAL	0.941	0.001	1.612	0.029	0.896	0.029

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A77 F	GR	0.000	0.002	0.000	-0.016	0.000	-0.014
	T1	-0.559	-0.001	1.647	0.013	0.340	0.044
	P1	-0.007	0.000	0.021	0.000	0.004	0.001
	SUM	-0.566	0.000	1.668	-0.002	0.344	0.031
	RESP	0.573	0.000	0.000	0.000	0.186	0.000
	TOTAL	1.140	0.001	1.668	0.002	0.531	0.031
A78	GR	0.000	0.000	0.000	-0.018	0.000	-0.014
	T1	-0.591	0.000	1.639	0.011	0.269	0.044
	P1	-0.008	0.000	0.021	0.000	0.003	0.001
	SUM	-0.598	0.000	1.661	-0.007	0.273	0.030
	RESP	0.553	0.000	0.000	0.000	0.194	0.000
	TOTAL	1.152	0.000	1.661	0.007	0.467	0.031
A79	GR	0.000	0.000	0.000	-0.005	0.000	-0.013
	T1	0.000	0.000	1.433	-0.003	-0.239	0.039
	P1	0.000	0.000	0.019	0.000	-0.003	0.001
	SUM	0.000	0.000	1.451	0.002	-0.242	0.027
	RESP	0.000	0.000	0.000	0.000	0.106	0.000
	TOTAL	0.000	0.000	1.452	0.002	0.348	0.027
A80	GR	0.000	0.000	0.000	-0.001	0.000	-0.011
	T1	0.000	0.000	1.228	0.001	0.064	0.033
	P1	0.000	0.000	0.016	0.000	0.001	0.000
	SUM	0.000	0.000	1.244	-0.001	0.065	0.023
	RESP	0.000	0.000	0.000	0.000	0.028	0.000
	TOTAL	0.000	0.000	1.244	0.001	0.093	0.023
A81	GR	0.000	0.000	0.000	0.000	0.000	-0.009
	T1	0.000	0.000	1.023	0.000	-0.017	0.028
	P1	0.000	0.000	0.013	0.000	-0.000	0.000
	SUM	0.000	0.000	1.037	0.000	-0.017	0.019
	RESP	0.000	0.000	0.000	0.000	0.008	0.000
	TOTAL	0.000	0.000	1.037	0.000	0.025	0.019
A82	GR	0.000	0.000	0.000	0.000	0.000	-0.007
	T1	0.000	0.000	0.819	0.000	0.005	0.022
	P1	0.000	0.000	0.011	0.000	0.000	0.000
	SUM	0.000	0.000	0.829	0.000	0.005	0.015
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.829	0.000	0.007	0.015

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A83	GR	0.000	0.000	0.000	0.000	0.000	-0.005
	T1	0.000	0.000	0.614	0.000	-0.001	0.017
	P1	0.000	0.000	0.008	0.000	0.000	0.000
	SUM	0.000	0.000	0.622	0.000	-0.001	0.011
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.622	0.000	0.002	0.012
A84	GR	0.000	0.000	0.000	0.000	0.000	-0.004
	T1	0.000	0.000	0.409	0.000	0.000	0.011
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.415	0.000	0.000	0.008
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.415	0.000	0.000	0.008
A85	GR	0.000	0.000	0.000	0.000	0.000	-0.002
	T1	0.000	0.000	0.205	0.000	0.000	0.006
	P1	0.000	0.000	0.003	0.000	0.000	0.000
	SUM	0.000	0.000	0.207	0.000	0.000	0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.207	0.000	0.000	0.004
A86	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A87	GR	0.000	0.000	0.000	0.000	0.000	0.003
	T1	0.000	0.000	-0.205	0.000	0.003	0.000
	P1	0.000	0.000	-0.003	0.000	0.000	0.000
	SUM	0.000	0.000	-0.208	0.000	0.003	0.003
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.208	0.000	0.003	0.003
A88	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.411	0.000	-0.013	0.000
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.416	0.000	-0.013	0.005
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.416	0.000	0.013	0.005

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A89	GR	0.000	0.000	0.000	0.000	0.000	0.008
	T1	0.064	0.000	-0.616	0.000	-0.019	0.000
	P1	0.000	0.000	-0.008	0.000	0.000	0.000
	SUM	0.064	0.000	-0.624	0.000	-0.019	0.008
	TOTAL	0.064	0.000	0.624	0.000	0.020	0.008
A90	GR	0.000	0.000	0.000	0.000	0.000	0.010
	T1	0.086	0.000	-0.821	0.000	-0.003	0.000
	P1	0.000	0.000	-0.011	0.000	0.000	0.000
	SUM	0.086	0.000	-0.832	0.000	-0.003	0.010
	TOTAL	0.086	0.000	0.833	0.000	0.006	0.010
A91	GR	0.000	0.000	0.000	0.000	0.000	0.013
	T1	0.107	0.000	-1.027	0.000	-0.016	0.000
	P1	0.000	0.000	-0.013	0.000	0.000	0.000
	SUM	0.107	0.000	-1.040	0.000	-0.016	0.013
	TOTAL	0.107	0.000	1.041	0.000	0.027	0.013
A92	GR	0.000	0.000	0.000	0.002	0.000	0.016
	T1	0.129	0.000	-1.232	0.000	0.019	0.000
	P1	0.000	0.000	-0.016	0.000	0.001	0.000
	SUM	0.129	0.000	-1.248	0.002	0.020	0.016
	TOTAL	0.129	0.000	1.249	0.002	0.063	0.016
A93	GR	0.000	0.000	0.000	-0.007	0.000	0.018
	T1	0.150	0.000	-1.437	0.000	-0.109	0.000
	P1	0.000	0.000	-0.019	0.000	-0.002	0.000
	SUM	0.150	0.000	-1.456	-0.007	-0.111	0.018
	TOTAL	0.150	0.000	1.457	0.007	0.163	0.018
A94	GR	0.000	0.000	0.000	0.024	0.000	0.021
	T1	0.400	0.000	-1.644	0.000	0.128	0.000
	P1	0.006	0.000	-0.021	0.000	0.001	0.000
	SUM	0.406	0.000	-1.666	0.024	0.130	0.021
	TOTAL	0.418	0.000	1.667	0.024	0.259	0.021

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A95 N	GR	0.000	0.002	0.000	0.022	0.000	0.021
	T1	0.385	0.000	-1.652	0.000	0.160	0.000
	P1	0.005	0.000	-0.021	0.000	0.002	0.000
	SUM	0.391	0.002	-1.674	0.022	0.162	0.021
	TOTAL	0.844	0.000	0.001	0.022	0.245	0.000
A95 M	GR	0.000	0.008	0.000	0.018	0.000	0.020
	T1	0.250	0.000	-1.632	0.000	0.341	0.000
	P1	0.004	0.000	-0.021	0.000	0.005	0.000
	SUM	0.253	0.008	-1.653	0.018	0.345	0.020
	TOTAL	0.945	0.000	0.037	0.000	0.157	0.000
A95 F	GR	0.000	0.002	0.000	0.016	0.000	0.018
	T1	0.132	0.000	-1.434	0.000	0.500	0.000
	P1	0.002	0.000	-0.018	0.000	0.007	0.000
	SUM	0.134	0.002	-1.453	0.016	0.507	0.018
	TOTAL	0.970	0.000	0.091	0.000	0.067	0.000
A96	GR	0.000	0.000	0.000	0.016	0.000	0.019
	T1	0.124	0.000	-1.381	0.000	0.523	0.000
	P1	0.002	0.000	-0.018	0.000	0.008	0.000
	SUM	0.126	0.000	-1.399	0.016	0.530	0.019
	TOTAL	0.970	0.000	0.097	0.000	0.052	0.000
A97	GR	0.000	0.000	0.000	0.006	0.000	-0.005
	T1	-0.049	0.000	-0.133	0.000	0.298	0.000
	P1	-0.001	0.000	0.000	0.000	0.003	0.000
	SUM	-0.050	0.000	-0.133	0.006	0.301	-0.005
	TOTAL	0.971	0.000	0.000	0.000	0.060	0.000
A98	GR	0.000	0.000	0.000	0.006	0.361	0.005
	T1	-0.232	0.000	0.116	-0.005	0.000	0.005
	P1	-0.003	0.000	0.000	0.000	0.002	0.000
	SUM	-0.235	0.000	0.116	-0.005	0.204	0.005
	TOTAL	0.971	0.000	0.000	0.000	0.061	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A99	GR	0.000	0.000	0.000	-0.014	0.000	-0.018
	T1	-0.405	0.000	1.009	0.000	0.352	0.000
	P1	-0.005	0.000	0.013	0.000	0.005	0.000
	SUM	-0.411	0.000	1.022	-0.014	0.357	-0.018
	RESP	0.970	0.000	0.102	0.000	0.054	0.000
	TOTAL	1.381	0.000	1.124	0.014	0.412	0.018
A100N	GR	0.000	0.002	0.000	-0.015	0.000	-0.017
	T1	-0.413	0.000	1.045	0.000	0.331	0.000
	P1	-0.005	0.000	0.013	0.000	0.005	0.000
	SUM	-0.418	0.002	1.058	-0.015	0.336	-0.017
	RESP	0.970	0.000	0.096	0.000	0.070	0.000
	TOTAL	1.389	0.002	1.154	0.015	0.406	0.017
A100M	GR	0.000	0.007	0.000	-0.016	0.000	-0.018
	T1	-0.498	0.000	1.161	0.000	0.186	0.000
	P1	-0.007	0.000	0.015	0.000	0.003	0.000
	SUM	-0.505	0.007	1.177	-0.016	0.189	-0.018
	RESP	0.944	0.000	0.040	0.000	0.165	0.000
	TOTAL	1.448	0.007	1.216	0.016	0.354	0.018
A100F	GR	0.000	0.002	0.000	-0.020	0.000	-0.019
	T1	-0.563	0.000	1.152	0.000	0.028	0.000
	P1	-0.007	0.000	0.015	0.000	0.000	0.000
	SUM	-0.571	0.002	1.167	-0.020	0.028	-0.019
	RESP	0.837	0.000	0.001	0.000	0.257	0.000
	TOTAL	1.408	0.002	1.168	0.020	0.285	0.019
A101	GR	0.000	0.000	0.000	-0.022	0.000	-0.019
	T1	-0.565	0.000	1.144	0.000	0.001	0.000
	P1	-0.007	0.000	0.015	0.000	0.000	0.000
	SUM	-0.572	0.000	1.159	-0.022	0.001	-0.019
	RESP	0.810	0.000	0.001	0.000	0.272	0.000
	TOTAL	1.382	0.000	1.160	0.022	0.272	0.019
A102	GR	0.000	0.000	0.000	0.008	0.000	-0.016
	T1	-0.140	0.000	0.944	0.000	-0.128	0.000
	P1	0.000	0.000	0.012	0.000	-0.002	0.000
	SUM	-0.140	0.000	0.956	0.008	-0.130	-0.016
	RESP	0.000	0.000	0.001	0.000	0.162	0.000
	TOTAL	0.140	0.000	0.957	0.008	0.292	0.016

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A103	GR	0.000	0.000	0.000	-0.002	0.000	-0.012
	T1	-0.112	0.000	0.755	0.000	0.024	0.000
	P1	0.000	0.000	0.010	0.000	0.001	0.000
	SUM	-0.112	0.000	0.765	-0.002	0.025	-0.012
	RESP	0.000	0.000	0.001	0.000	0.043	0.000
	TOTAL	0.112	0.000	0.765	0.002	0.068	0.012
A104	GR	0.000	0.000	0.000	0.001	0.000	-0.009
	T1	-0.084	0.000	0.566	0.000	-0.034	0.000
	P1	0.000	0.000	0.007	0.000	0.000	0.000
	SUM	-0.084	0.000	0.574	0.001	-0.035	-0.009
	RESP	0.000	0.000	0.000	0.000	0.011	0.000
	TOTAL	0.084	0.000	0.574	0.001	0.046	0.009
A105	GR	0.000	0.000	0.000	0.000	0.000	-0.006
	T1	0.000	0.000	0.378	0.000	-0.017	0.000
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.382	0.000	-0.017	-0.006
	RESP	0.000	0.000	0.000	0.000	0.003	0.000
	TOTAL	0.000	0.000	0.383	0.000	0.020	0.006
A106	GR	0.000	0.000	0.000	0.000	0.000	-0.003
	T1	0.000	0.000	0.189	0.000	0.004	0.000
	P1	0.000	0.000	0.002	0.000	0.000	0.000
	SUM	0.000	0.000	0.191	0.000	0.004	-0.003
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.191	0.000	0.005	0.003
A107	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A108	GR	0.000	0.000	0.000	0.001	0.000	-0.002
	T1	0.000	0.000	-0.189	0.002	0.000	0.012
	P1	0.000	0.000	-0.002	0.000	0.000	0.000
	SUM	0.000	0.000	-0.191	0.003	0.000	0.010
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.191	0.003	0.000	0.010

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A109	GR	0.000	0.000	0.000	-0.003	0.000	-0.005
	T1	0.000	0.000	-0.377	-0.009	0.001	0.025
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.382	-0.009	0.001	0.020
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.382	0.012	0.002	0.021
A110	GR	0.000	0.000	0.000	0.010	0.000	-0.007
	T1	0.000	0.000	-0.566	0.035	-0.005	0.037
	P1	0.000	0.000	-0.007	0.000	0.000	0.000
	SUM	0.000	0.000	-0.573	0.045	-0.005	0.030
	RESP	0.000	0.000	0.000	0.000	0.002	0.001
	TOTAL	0.000	0.000	0.573	0.045	0.007	0.031
A111	GR	0.000	0.002	0.000	-0.002	0.000	-0.008
	T1	0.003	0.026	-0.611	0.045	0.000	0.040
	P1	0.000	0.000	-0.008	0.001	0.000	0.000
	SUM	0.003	0.028	-0.618	0.043	0.000	0.033
	RESP	0.001	0.000	0.000	0.000	0.000	0.001
	TOTAL	0.004	0.028	0.618	0.043	0.001	0.033
A112	GR	0.000	0.000	0.000	-0.009	0.000	-0.008
	T1	0.000	0.042	-0.635	0.033	0.012	0.042
	P1	0.000	0.001	-0.008	0.000	0.000	0.000
	SUM	0.000	0.042	-0.643	0.025	0.012	0.034
	RESP	0.000	0.000	0.000	0.000	0.005	0.001
	TOTAL	0.000	0.042	0.643	0.025	0.018	0.035
I112	GR	0.000	0.000	0.000	0.004	0.001	-0.011
	T1	-0.064	0.053	-0.804	-0.005	-0.002	0.047
	P1	0.000	0.001	-0.010	0.000	0.000	0.001
	SUM	-0.064	0.053	-0.814	-0.001	-0.001	0.037
	RESP	0.000	0.000	0.000	0.000	0.030	0.005
	TOTAL	0.064	0.053	0.814	0.001	0.032	0.042
I113	GR	0.000	0.000	0.000	-0.005	0.001	-0.013
	T1	-0.077	0.064	-0.973	-0.014	0.076	0.058
	P1	0.000	0.001	-0.013	0.000	0.001	0.001
	SUM	-0.077	0.065	-0.986	-0.020	0.078	0.046
	RESP	0.000	0.000	0.000	0.001	0.118	0.002
	TOTAL	0.077	0.065	0.986	0.021	0.196	0.048

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A113	GR	0.001	0.000	0.000	0.019	0.001	-0.015
	T1	-0.183	0.000	-1.148	-0.035	-0.170	0.048
	P1	-0.002	0.000	-0.015	0.000	-0.002	0.001
	SUM	-0.184	0.000	-1.163	-0.017	-0.172	0.034
	RESP	0.537	0.000	0.000	0.003	0.255	0.009
	TOTAL	0.721	0.000	1.163	0.020	0.426	0.042
A114N	GR	0.001	0.002	0.000	0.018	0.001	-0.015
	T1	-0.163	-0.003	-1.156	-0.034	-0.207	0.046
	P1	-0.002	0.000	-0.015	0.000	-0.002	0.001
	SUM	-0.164	-0.001	-1.171	-0.017	-0.209	0.031
	RESP	0.563	0.000	0.000	0.003	0.248	0.008
	TOTAL	0.728	0.002	1.171	0.020	0.457	0.039
A114M	GR	0.001	0.007	0.001	0.017	0.000	-0.016
	T1	0.002	-0.009	-1.122	-0.029	-0.422	0.032
	P1	0.000	0.000	-0.015	0.000	-0.005	0.000
	SUM	0.003	-0.002	-1.136	-0.013	-0.427	0.017
	RESP	0.675	0.001	0.045	0.004	0.200	0.005
	TOTAL	0.678	0.003	1.181	0.017	0.627	0.022
A114F	GR	0.001	0.002	0.001	0.013	0.000	-0.021
	T1	0.139	-0.002	-0.873	-0.025	-0.628	0.018
	P1	0.002	0.000	-0.012	0.000	-0.008	0.000
	SUM	0.142	0.000	-0.884	-0.012	-0.636	-0.002
	RESP	0.712	0.000	0.128	0.004	0.139	0.002
	TOTAL	0.854	0.001	1.012	0.016	0.775	0.004
A115	GR	0.001	0.000	0.001	0.012	0.000	-0.023
	T1	0.146	0.000	-0.806	-0.024	-0.660	0.016
	P1	0.002	0.000	-0.011	0.000	-0.009	0.000
	SUM	0.150	0.000	-0.816	-0.012	-0.669	-0.007
	RESP	0.712	0.000	0.142	0.004	0.127	0.002
	TOTAL	0.862	0.000	0.958	0.016	0.796	0.009
A116	GR	0.001	0.000	0.000	-0.018	0.000	0.028
	T1	0.337	0.000	1.197	-0.004	-0.614	-0.003
	P1	0.005	0.000	0.016	0.000	-0.008	0.000
	SUM	0.342	0.000	1.213	-0.022	-0.622	0.025
	RESP	0.712	0.000	0.126	0.001	0.124	0.000
	TOTAL	1.055	0.000	1.339	0.022	0.746	0.025

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)	Point Load	name combination	TRANSLATIONS (in)			ROTATIONS (deg)	Point Load	name combination
		X	Y	Z				X	Y	Z			
A117N	GR	0.001	0.003	0.000	-0.019	0.000	0.026	0.000	0.000	0.000	0.000	0.026	GR
A117N	T1	0.344	0.000	0.000	-0.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000	T1
A117N	P1	0.005	0.000	0.000	-0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	P1
A117N	SUM	0.550	0.003	0.000	-0.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	SUM
A117N	RESP	0.172	0.000	0.000	0.113	0.001	0.000	0.000	0.000	0.000	0.000	0.000	RESP
A117N	TOTAL	1.062	0.003	1.389	0.022	0.000	0.026	0.000	0.000	0.000	0.026	0.000	TOTAL
A117Z	GR	0.001	0.010	0.000	-0.026	0.000	0.025	0.000	0.000	0.000	0.000	0.025	GR
A117Z	T1	0.669	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	T1
A117Z	P1	0.007	0.000	0.000	-0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	P1
A117Z	SUM	0.677	0.010	0.000	-0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	SUM
A117Z	RESP	0.680	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	RESP
A117Z	TOTAL	1.356	0.010	1.556	0.023	0.000	0.025	0.000	0.000	0.000	0.000	0.025	TOTAL
A117E	GR	0.001	0.003	0.000	-0.026	0.000	0.025	0.000	0.000	0.000	0.000	0.025	GR
A117E	T1	0.596	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	T1
A117E	P1	0.008	0.000	0.000	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	P1
A117E	SUM	0.605	0.003	0.000	-0.026	0.000	0.025	0.000	0.000	0.000	0.000	0.025	SUM
A117E	RESP	0.566	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	RESP
A117E	TOTAL	1.172	0.003	1.518	0.026	0.000	0.025	0.000	0.000	0.000	0.000	0.025	TOTAL
A118	GR	0.001	0.000	0.000	-0.029	0.000	0.025	0.000	0.000	0.000	0.000	0.025	GR
A118	T1	0.606	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	T1
A118	P1	0.008	0.000	0.000	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	P1
A118	SUM	0.615	0.000	0.000	-0.028	0.000	0.025	0.000	0.000	0.000	0.000	0.025	SUM
A118	RESP	0.566	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	RESP
A118	TOTAL	1.179	0.000	1.510	0.028	0.000	0.025	0.000	0.000	0.000	0.000	0.025	TOTAL
A119	GR	0.000	0.000	0.000	0.008	0.000	0.021	0.000	0.000	0.000	0.000	0.021	GR
A119	T1	0.078	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	T1
A119	P1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	P1
A119	SUM	0.078	0.000	0.000	0.007	0.000	0.022	0.000	0.000	0.000	0.000	0.022	SUM
A119	RESP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	RESP
A119	TOTAL	0.078	0.000	1.295	0.007	0.000	0.022	0.000	0.000	0.000	0.000	0.022	TOTAL
A120	GR	0.000	0.000	0.000	-0.002	0.000	0.018	0.000	0.000	0.000	0.000	0.018	GR
A120	T1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	T1
A120	P1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	P1
A120	SUM	0.000	0.000	0.000	-0.002	0.000	0.018	0.000	0.000	0.000	0.000	0.018	SUM
A120	RESP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	RESP
A120	TOTAL	0.000	0.000	0.000	0.002	0.000	0.018	0.000	0.000	0.000	0.000	0.018	TOTAL

DISPLACEMENTS

DISPLACEMENTS

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DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A127	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.426	0.000	-0.001	0.009
	P1	0.000	0.000	-0.006	0.000	0.000	0.000
	SUM	0.000	0.000	-0.431	0.000	-0.001	0.015
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.431	0.000	0.001	0.015
A128	GR	0.000	0.000	0.000	0.000	0.000	0.008
	T1	0.000	0.000	-0.638	0.000	0.002	0.014
	P1	0.000	0.000	-0.008	0.000	0.000	0.000
	SUM	0.000	0.000	-0.647	0.000	0.002	0.022
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.647	0.000	0.005	0.022
A129	GR	0.000	0.000	0.000	0.000	0.000	0.011
	T1	0.000	0.000	-0.851	0.000	-0.009	0.019
	P1	0.000	0.000	-0.011	0.000	0.000	0.000
	SUM	0.000	0.000	-0.862	-0.001	-0.009	0.030
	RESP	0.000	0.000	0.000	0.000	0.009	0.000
	TOTAL	0.000	0.000	0.862	0.001	0.018	0.030
A130	GR	0.000	0.000	0.000	0.002	0.000	0.013
	T1	0.000	0.000	-1.064	0.001	0.033	0.024
	P1	0.000	0.000	-0.014	0.000	0.001	0.000
	SUM	0.000	0.000	-1.078	0.002	0.034	0.037
	RESP	0.000	0.000	0.000	0.000	0.033	0.000
	TOTAL	0.000	0.000	1.078	0.002	0.067	0.037
A131	GR	0.000	0.000	0.000	-0.006	0.000	0.016
	T1	0.068	0.000	-1.277	-0.003	-0.195	0.028
	P1	0.000	0.000	-0.017	0.000	-0.003	0.000
	SUM	0.068	0.000	-1.293	-0.008	-0.197	0.044
	RESP	0.000	0.000	0.000	0.000	0.123	0.000
	TOTAL	0.068	0.000	1.293	0.008	0.321	0.045
A132	GR	0.000	0.000	0.000	0.023	0.000	0.018
	T1	0.502	0.000	-1.488	0.010	0.224	0.033
	P1	0.007	0.000	-0.019	0.000	0.003	0.000
	SUM	0.509	0.000	-1.508	0.033	0.226	0.052
	RESP	0.661	0.000	0.000	0.000	0.231	0.000
	TOTAL	1.170	0.000	1.508	0.033	0.457	0.052

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A133N	GR	0.000	0.002	0.000	0.021	0.000	0.018
	T1	0.476	0.001	-1.496	0.011	0.276	0.033
	P1	0.006	0.000	-0.019	0.000	0.003	0.000
	SUM	0.482	0.003	-1.515	0.032	0.279	0.052
	RESP	0.685	0.000	0.000	0.000	0.223	0.000
	TOTAL	1.167	0.003	1.515	0.032	0.502	0.052
A133M	GR	0.000	0.007	0.000	0.014	0.000	0.017
	T1	0.255	0.004	-1.435	0.028	0.576	0.031
	P1	0.003	0.000	-0.019	0.000	0.007	0.000
	SUM	0.259	0.011	-1.454	0.043	0.584	0.049
	RESP	0.784	0.000	0.039	0.000	0.175	0.000
	TOTAL	1.043	0.012	1.493	0.043	0.758	0.049
A133F	GR	0.000	0.002	0.001	0.010	0.000	0.016
	T1	0.080	0.001	-1.091	0.052	0.848	0.022
	P1	0.001	0.000	-0.014	0.001	0.011	0.000
	SUM	0.080	0.003	-1.105	0.062	0.859	0.038
	RESP	0.816	0.000	0.111	0.000	0.118	0.000
	TOTAL	0.897	0.003	1.215	0.063	0.977	0.038
A134	GR	-0.001	0.000	0.001	0.009	0.000	0.016
	T1	0.072	0.000	-0.998	0.056	0.890	0.018
	P1	0.001	0.000	-0.013	0.001	0.012	0.000
	SUM	0.072	0.000	-1.010	0.066	0.902	0.035
	RESP	0.816	0.000	0.123	0.000	0.106	0.000
	TOTAL	0.888	0.000	1.133	0.066	1.008	0.035
I134	GR	-0.001	0.000	0.001	-0.009	0.000	-0.016
	T1	-0.074	0.000	0.998	0.056	0.890	0.018
	P1	-0.001	0.000	0.013	0.001	0.012	0.000
	SUM	-0.075	0.000	1.012	0.048	0.902	0.002
	RESP	0.816	0.000	0.123	0.000	0.106	0.000
	TOTAL	0.892	0.000	1.135	0.048	1.008	0.002
A135N	GR	0.000	0.002	0.001	-0.010	0.000	-0.016
	T1	-0.082	-0.001	1.091	0.052	0.848	0.022
	P1	-0.001	0.000	0.014	0.001	0.011	0.000
	SUM	-0.083	0.000	1.106	0.042	0.859	0.006
	RESP	0.816	0.000	0.111	0.000	0.118	0.000
	TOTAL	0.900	0.000	1.217	0.043	0.977	0.006

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A135M	GR	0.000	-0.007	0.000	-0.014	0.000	-0.017
	T1	-0.257	-0.004	1.436	0.028	0.576	0.031
	P1	-0.003	0.000	0.019	0.000	0.007	0.000
	SUM	-0.260	0.002	1.435	0.014	0.584	0.015
	RESP	0.784	0.000	0.039	0.000	0.175	0.000
	TOTAL	1.045	0.002	1.494	0.014	0.759	0.015
A135F	GR	0.000	0.002	0.000	-0.021	0.000	-0.019
	T1	-0.478	-0.001	1.496	0.011	0.275	0.033
	P1	-0.006	0.000	0.019	0.000	0.003	0.000
	SUM	-0.484	0.001	1.515	-0.009	0.279	0.015
	RESP	0.685	0.000	0.000	0.000	0.225	0.000
	TOTAL	1.169	0.001	1.516	0.010	0.502	0.015
A136	GR	0.000	0.000	0.000	-0.023	0.000	-0.018
	T1	-0.504	0.000	1.488	0.010	0.223	0.033
	P1	-0.007	0.000	0.019	0.000	0.003	0.000
	SUM	-0.510	0.000	1.508	-0.013	0.226	0.015
	RESP	0.661	0.000	0.000	0.000	0.231	0.000
	TOTAL	1.171	0.000	1.508	0.013	0.457	0.015
A137	GR	0.000	0.000	0.000	0.006	0.000	-0.016
	T1	-0.068	0.000	1.277	-0.003	-0.195	0.028
	P1	0.000	0.000	0.017	0.000	-0.003	0.000
	SUM	-0.068	0.000	1.293	0.003	-0.198	0.013
	RESP	0.000	0.000	0.000	0.000	0.123	0.000
	TOTAL	0.068	0.000	1.293	0.003	0.321	0.013
A138	GR	0.000	0.000	0.000	-0.002	0.000	-0.013
	T1	0.000	0.000	1.064	0.001	0.033	0.024
	P1	0.000	0.000	0.014	0.000	0.001	0.000
	SUM	0.000	0.000	1.078	-0.001	0.034	0.011
	RESP	0.000	0.000	0.000	0.000	0.033	0.000
	TOTAL	0.000	0.000	1.078	0.001	0.067	0.011
A139	GR	0.000	0.000	0.000	0.000	0.000	-0.011
	T1	0.000	0.000	0.851	0.000	-0.009	0.019
	P1	0.000	0.000	0.011	0.000	0.000	0.000
	SUM	0.000	0.000	0.862	0.000	-0.009	0.009
	RESP	0.000	0.000	0.000	0.000	0.009	0.000
	TOTAL	0.000	0.000	0.862	0.000	0.018	0.009

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A140	GR	0.000	0.000	0.000	0.000	0.000	-0.008
	T1	0.000	0.000	0.638	0.000	0.002	0.014
	P1	0.000	0.000	0.008	0.000	0.000	0.000
	SUM	0.000	0.000	0.647	0.000	0.002	0.006
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.647	0.000	0.005	0.007
A141	GR	0.000	0.000	0.000	0.000	0.000	-0.005
	T1	0.000	0.000	0.426	0.000	-0.001	0.009
	P1	0.000	0.000	0.006	0.000	0.000	0.000
	SUM	0.000	0.000	0.431	0.000	-0.001	0.004
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.431	0.000	0.001	0.004
A142	GR	0.000	0.000	0.000	0.000	0.000	-0.003
	T1	0.000	0.000	0.213	0.000	0.000	0.005
	P1	0.000	0.000	0.003	0.000	0.000	0.000
	SUM	0.000	0.000	0.216	0.000	0.000	0.002
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.216	0.000	0.000	0.002
A143	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A144	GR	0.000	0.000	0.000	0.000	0.000	0.004
	T1	0.000	0.000	-0.213	0.000	0.004	0.000
	P1	0.000	0.000	-0.003	0.000	0.000	0.000
	SUM	0.000	0.000	-0.216	0.000	0.004	0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.216	0.000	0.004	0.004
A145	GR	0.000	0.000	0.000	0.000	0.000	0.008
	T1	0.000	0.000	-0.426	0.000	-0.017	0.000
	P1	0.000	0.000	-0.006	0.000	0.000	0.000
	SUM	0.000	0.000	-0.432	0.000	-0.017	0.008
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.432	0.000	0.017	0.008

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A146	GR	0.000	0.000	0.000	0.000	0.000	0.012
	T1	0.079	0.000	-0.639	0.000	-0.018	0.000
	P1	0.000	0.000	-0.008	0.000	0.000	0.000
	SUM	0.079	0.000	-0.648	0.000	-0.018	0.012
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.079	0.000	0.648	0.000	0.020	0.012
	A147	GR	0.000	0.000	0.000	-0.001	0.000
T1		0.106	0.000	-0.852	0.000	-0.020	0.000
P1		0.000	0.000	-0.011	0.000	0.000	0.000
SUM		0.106	0.000	-0.864	-0.001	-0.020	0.016
RESP		0.000	0.000	0.000	0.000	0.005	0.000
TOTAL		0.106	0.000	0.864	0.001	0.025	0.016
A148		GR	0.000	0.000	0.000	0.002	0.000
	T1	0.132	0.000	-1.066	0.000	0.042	0.000
	P1	0.000	0.000	-0.014	0.000	0.001	0.000
	SUM	0.132	0.000	-1.079	0.002	0.042	0.019
	RESP	0.000	0.000	0.000	0.000	0.020	0.000
	TOTAL	0.132	0.000	1.080	0.002	0.062	0.019
	A149	GR	0.000	0.000	0.000	-0.008	0.000
T1		0.158	0.000	-1.279	0.000	-0.202	0.000
P1		0.000	0.000	-0.017	0.000	-0.003	0.000
SUM		0.158	0.000	-1.295	-0.008	-0.205	0.023
RESP		0.000	0.000	0.000	0.000	0.074	0.000
TOTAL		0.158	0.000	1.296	0.008	0.279	0.023
A150		GR	0.000	0.000	0.000	0.030	0.000
	T1	0.955	0.000	-1.491	0.000	-0.093	0.000
	P1	0.012	0.000	-0.019	0.000	-0.002	0.000
	SUM	0.967	0.000	-1.510	0.030	-0.095	0.027
	RESP	0.000	0.000	0.000	0.000	0.115	0.000
	TOTAL	1.342	0.000	1.510	0.030	0.210	0.027
	A151N	GR	0.000	0.003	0.000	0.028	0.000
T1		0.963	0.000	-1.498	0.000	-0.060	0.000
P1		0.013	0.000	-0.019	0.000	-0.001	0.000
SUM		0.975	0.003	-1.518	0.028	-0.061	0.027
RESP		0.386	0.000	0.000	0.000	0.109	0.000
TOTAL		1.361	0.003	1.518	0.028	0.170	0.027

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A151M	GR	0.000	0.011	0.000	0.026	0.000	0.027
	T1	0.933	0.000	-1.521	0.000	0.136	0.000
	P1	0.012	0.000	-0.020	0.000	0.002	0.000
	SUM	0.945	0.011	-1.541	0.026	0.138	0.027
	RESP	0.431	0.000	0.017	0.000	0.074	0.000
	TOTAL	1.377	0.011	1.558	0.026	0.212	0.027
	A151F	GR	0.000	0.003	0.000	0.025	0.000
T1		0.855	0.000	-1.417	0.000	0.326	0.000
P1		0.011	0.000	-0.018	0.000	0.005	0.000
SUM		0.866	0.003	-1.436	0.025	0.330	0.027
RESP		0.444	0.000	0.045	0.000	0.041	0.000
TOTAL		1.310	0.003	1.481	0.025	0.371	0.027
A152		GR	0.000	0.000	0.000	0.025	0.000
	T1	0.847	0.000	-1.382	0.000	0.356	0.000
	P1	0.011	0.000	-0.018	0.000	0.005	0.000
	SUM	0.858	0.000	-1.400	0.025	0.361	0.028
	RESP	0.444	0.000	0.049	0.000	0.035	0.000
	TOTAL	1.302	0.000	1.449	0.025	0.396	0.028
	A153	GR	0.000	0.000	0.000	0.015	0.000
T1		0.647	0.000	-0.126	0.000	0.292	0.000
P1		0.008	0.000	0.000	0.000	0.004	0.000
SUM		0.655	0.000	-0.126	0.015	0.296	-0.008
RESP		0.444	0.000	0.000	0.000	0.053	0.000
TOTAL		1.099	0.000	0.126	0.015	0.349	0.008
A154		GR	0.000	-0.007	0.000	0.010	0.000
	T1	0.556	0.000	0.036	0.000	0.013	0.000
	P1	0.007	0.000	0.002	0.000	-0.001	0.000
	SUM	0.563	-0.007	0.038	0.010	0.012	0.003
	RESP	0.444	0.000	0.060	0.000	0.028	0.000
	TOTAL	1.007	0.007	0.098	0.010	0.041	0.003
	A155	GR	0.000	0.000	0.000	0.005	0.000
T1		0.446	0.000	0.000	0.000	-0.001	0.000
P1		0.006	0.000	0.000	0.000	-0.001	0.000
SUM		0.452	0.000	0.000	0.005	-0.002	0.004
RESP		0.444	0.000	0.000	0.000	0.132	0.000
TOTAL		0.896	0.000	0.000	0.005	0.134	0.004

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A156	GR	0.000	0.000	0.000	-0.005	0.000	-0.009
	T1	0.248	0.000	0.120	0.000	-0.012	0.000
	P1	0.003	0.000	0.001	0.000	0.000	0.000
	SUM	0.251	0.000	0.121	-0.005	-0.013	-0.009
	RESP	0.443	0.000	0.520	0.000	0.139	0.000
	TOTAL	0.694	0.000	0.641	0.005	0.151	0.009
A157N	GR	0.000	0.001	0.000	-0.006	0.000	-0.006
	T1	0.240	0.000	0.118	0.000	-0.025	0.000
	P1	0.003	0.000	0.001	0.000	0.000	0.000
	SUM	0.243	0.001	0.119	-0.006	-0.025	-0.006
	RESP	0.443	0.000	0.530	0.000	0.135	0.000
	TOTAL	0.687	0.001	0.649	0.006	0.160	0.006
A157M	GR	0.000	0.000	0.000	-0.005	0.000	0.002
	T1	0.219	0.000	0.073	0.000	-0.099	0.000
	P1	0.003	0.000	0.001	0.000	-0.001	0.000
	SUM	0.222	0.000	0.074	-0.005	-0.100	0.002
	RESP	0.418	0.000	0.557	0.000	0.182	0.000
	TOTAL	0.640	0.000	0.630	0.005	0.283	0.002
A157F	GR	0.000	-0.001	0.000	0.001	0.000	0.002
	T1	0.269	0.000	0.012	0.000	-0.152	0.000
	P1	0.003	0.000	0.000	0.000	-0.002	0.000
	SUM	0.272	-0.001	0.012	0.001	-0.155	0.002
	RESP	0.378	0.000	0.533	0.000	0.247	0.000
	TOTAL	0.591	0.001	0.565	0.001	0.402	0.002
A159	GR	0.000	0.000	0.000	0.002	0.000	0.002
	T1	0.349	0.000	-0.025	0.000	-0.156	0.000
	P1	0.005	0.000	-0.001	0.000	-0.002	0.000
	SUM	0.354	0.000	-0.026	0.002	-0.159	0.002
	RESP	0.193	0.000	0.553	0.000	0.264	0.000
	TOTAL	0.546	0.000	0.579	0.002	0.423	0.002
A160N	GR	0.000	0.000	0.000	0.002	0.000	0.002
	T1	0.365	0.000	-0.033	0.000	-0.151	0.000
	P1	0.005	0.000	-0.001	0.000	-0.002	0.000
	SUM	0.370	0.000	-0.034	0.002	-0.153	0.002
	RESP	0.166	0.000	0.553	0.000	0.262	0.000
	TOTAL	0.536	0.000	0.587	0.002	0.415	0.002

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A160M	GR	0.000	0.001	0.000	0.003	0.000	0.002
	T1	0.414	0.000	-0.093	0.000	-0.096	0.000
	P1	0.005	0.000	-0.002	0.000	-0.001	0.000
	SUM	0.419	0.001	-0.095	0.003	-0.097	0.002
	RESP	0.046	0.000	0.520	0.000	0.231	0.000
	TOTAL	0.465	0.001	0.615	0.003	0.328	0.002
A160F	GR	0.000	0.000	0.000	0.004	0.000	0.004
	T1	0.392	0.000	-0.136	0.000	-0.019	0.000
	P1	0.005	0.000	-0.002	0.000	0.000	0.000
	SUM	0.397	0.000	-0.138	0.004	-0.019	0.004
	RESP	0.001	0.000	0.432	0.000	0.210	0.000
	TOTAL	0.398	0.000	0.570	0.004	0.229	0.004
A161	GR	0.000	0.000	0.000	0.004	0.000	0.006
	T1	0.384	0.000	-0.137	0.000	-0.006	0.000
	P1	0.005	0.000	-0.002	0.000	0.000	0.000
	SUM	0.389	0.000	-0.139	0.004	-0.006	0.006
	RESP	0.001	0.000	0.413	0.000	0.209	0.000
	TOTAL	0.390	0.000	0.552	0.004	0.215	0.006
A162	GR	0.000	0.000	0.000	0.002	0.000	0.005
	T1	0.216	0.000	0.000	0.000	0.052	0.000
	P1	0.003	0.000	0.000	0.000	0.001	0.000
	SUM	0.219	0.000	0.000	0.002	0.053	0.005
	RESP	0.000	0.000	0.000	0.000	0.103	0.000
	TOTAL	0.219	0.000	0.000	0.002	0.156	0.005
A163	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A164	GR	0.000	0.000	0.000	-0.002	0.000	-0.012
	T1	-0.215	0.000	0.000	0.000	-0.140	0.000
	P1	-0.003	0.000	0.000	0.000	-0.002	0.000
	SUM	-0.218	0.000	0.000	-0.002	-0.142	-0.012
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.218	0.000	0.000	0.002	0.142	0.012

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A165	GR	0.000	0.000	0.000	-0.003	0.000	0.009
	T1	-0.345	0.000	-0.293	0.000	-0.048	0.000
	P1	-0.004	0.000	-0.004	0.000	-0.001	0.000
	SUM	-0.349	0.000	-0.297	-0.003	-0.049	0.009
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.349	0.000	0.297	0.003	0.049	0.009
A166N	GR	0.000	-0.001	0.000	-0.003	0.000	0.011
	T1	-0.352	0.000	-0.297	0.000	-0.016	0.000
	P1	-0.005	0.000	-0.004	0.000	0.000	0.000
	SUM	-0.357	-0.001	-0.301	-0.003	-0.016	0.011
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.357	0.001	0.301	0.003	0.016	0.011
A166M	GR	0.000	-0.007	0.000	-0.005	0.000	0.014
	T1	-0.365	0.000	-0.245	0.000	0.182	0.000
	P1	-0.005	0.000	-0.003	0.000	0.002	0.000
	SUM	-0.370	-0.007	-0.248	-0.005	0.184	0.014
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.370	0.007	0.248	0.005	0.184	0.014
A166F	GR	0.000	-0.006	0.000	-0.010	0.000	0.012
	T1	-0.245	0.000	-0.158	0.000	0.339	0.000
	P1	-0.003	0.000	-0.002	0.000	0.005	0.000
	SUM	-0.248	-0.006	-0.161	-0.010	0.344	0.012
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.248	0.006	0.161	0.010	0.344	0.012
A168	GR	0.000	0.000	0.000	-0.008	0.000	0.010
	T1	-0.046	0.000	-0.119	0.000	0.367	0.000
	P1	-0.001	0.000	-0.002	0.000	0.005	0.000
	SUM	-0.047	0.000	-0.120	-0.008	0.372	0.010
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.047	0.000	0.120	0.008	0.372	0.010
A169N	GR	0.000	0.001	0.000	-0.007	0.000	0.010
	T1	-0.009	0.000	-0.111	0.000	0.356	0.000
	P1	0.000	0.000	-0.002	0.000	0.005	0.000
	SUM	-0.009	0.001	-0.112	-0.007	0.361	0.010
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.009	0.001	0.112	0.007	0.361	0.010

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A169M	GR	0.000	0.002	0.000	-0.004	0.000	0.006
	T1	0.127	0.000	-0.017	0.000	0.228	0.000
	P1	0.002	0.000	0.000	0.000	0.003	0.000
	SUM	0.129	0.002	-0.017	-0.004	0.231	0.006
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.129	0.002	0.017	0.004	0.231	0.006
A169F	GR	0.000	0.000	0.000	-0.004	0.000	0.004
	T1	0.126	0.000	0.066	0.000	0.059	0.000
	P1	0.002	0.000	0.001	0.000	0.001	0.000
	SUM	0.127	0.000	0.066	-0.004	0.060	0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.127	0.000	0.066	0.004	0.060	0.004
A170	GR	0.000	0.000	0.000	-0.003	0.000	0.004
	T1	0.118	0.000	0.070	0.000	0.033	0.000
	P1	0.002	0.000	0.001	0.000	0.000	0.000
	SUM	0.119	0.000	0.071	-0.003	0.033	0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.119	0.000	0.071	0.003	0.033	0.004
A171	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000

*** Segment A end ***

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L		Dirn	G L O B A L			
				Force	Deform		Force	Deform		
A01 A01 1 Stiff	1 Guide :RIGID	GR	down left	514 0.000	0.000 0.000	X Y Z	-514 0.000 0.000	0.000 0.000 0.000		
		T1	down left	1067 0.000	0.000 0.000	X Y Z	1067 0.000 0.000	-0.108 0.000 0.000		
		P1	down left	14 0.000	0.000 0.000	X Y Z	14 0.000 0.000	-0.001 0.000 0.000		
		SUM	down left	514 1081	0.000 0.000	X Y Z	-514 1081	-0.110 0.000 0.000		
		RESP	down left	137 0.000	0.000 0.000	X Y Z	137 0.000 0.000	0.000 0.000 0.000		
		TOTAL	down left	514 1218	0.000 0.000	X Y Z	514 1218	0.110 0.000 0.000		
		A05 A05 1 Stiff	1 Guide :RIGID	GR	down left	399 0	0.000 0.000	X Y Z	0 -399 0	0.000 0.000 0.000
				T1	down left	603 0.000	0.000 0.000	X Y Z	-427 0.000 427	0.115 0.000 0.115
				P1	down left	8 0.000	0.000 0.000	X Y Z	-6 0.000 6	0.002 0.000 0.002
				SUM	down left	399 611	0.000 0.000	X Y Z	-432 -399 432	0.117 0.000 0.117
				RESP	down left	14 0.000	0.000 0.000	X Y Z	10 0.000 10	0.060 0.000 0.060
				TOTAL	down left	399 626	0.000 0.000	X Y Z	443 399 443	0.177 0.000 0.177

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L		Dirn	G L O B A L			
				Force	Deform		Force	Deform		
A06 A06 1 Stiff	1 Guide :RIGID	GR	down right	167 0	0.000 0.000	X Y Z	0 -167 0	0.000 0.000 0.000		
		T1	down right	753 0.000	0.000 0.000	X Y Z	533 0.000 -533	-0.039 0.000 -0.039		
		P1	down right	10 0.000	0.000 0.000	X Y Z	7 0.000 -7	0.000 0.000 0.000		
		SUM	down right	167 763	0.000 0.000	X Y Z	540 -167 -540	-0.040 0.000 -0.040		
		RESP	down left	75 0.000	0.000 0.000	X Y Z	53 0.000 53	0.060 0.000 0.060		
		TOTAL	down left	167 859	0.000 0.000	X Y Z	593 167 593	0.099 0.000 0.099		
		A07 A07 1 Stiff	1 Inclined :RIGID	GR	back	143 0.000	0.000 0.000	X Y Z	-143 0.000 0.000	0.000 0.000 0.000
				T1	back	0.000 0.000	0.000 0.000	X Y Z	0.264 0.000 -0.571	0.000 0.000 0.000
				P1	back	0.000 0.000	0.000 0.000	X Y Z	0.004 0.000 -0.008	0.000 0.000 0.000
				SUM	back	143 0.000	0.000 0.000	X Y Z	-143 0.000 -0.579	0.267 0.000 0.000
				RESP	back	0.000 0.000	0.000 0.000	X Y Z	0.068 0.000 0.188	0.068 0.000 0.188
				TOTAL	back	143 0.000	0.000 0.000	X Y Z	143 0.000 0.766	0.335 0.000 0.766
A10	GR			back	137 0.000	0.000 0.000	X	0.000	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		Dirn	GLOBAL	
				Force	Deform		Force	Deform
A09 1 Stiff	Inclined :RIGID					Y	-137	0.000
						Z		0.000
		T1	back		0.000	X		0.465
						Y	0.000	
						Z	0.112	
	P1	back		0.000	X		0.006	
						Y	0.000	
						Z	0.001	
	SUM	back	137	0.000	X		0.472	
						Y	0.000	
						Z	-137 0.113	
	RESP	back		0.000	X		0.095	
						Y	0.000	
						Z	0.183	
	TOTAL	back	137	0.000	X		0.567	
					Y	0.000		
					Z	137 0.296		
A12 A12 1 Stiff	Inclined :RIGID					X		0.000
						Y	-112	0.000
						Z		0.000
	T1	back		0.000	X		0.508	
						Y	0.000	
						Z	0.693	
	P1	back		0.000	X		0.007	
						Y	0.000	
						Z	0.009	
	SUM	back	112	0.000	X		0.514	
						Y	-112 0.000	
						Z	0.702	
	RESP	back		0.000	X		0.089	
						Y	0.000	
						Z	0.089	
TOTAL	back	112	0.000	X		0.603		
					Y	0.000		
					Z	112 0.792		
A13 A13 1	Guide		down	176	0.000	X	0	0.000
			left	0	0.000	Y	-176	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		Dirn	GLOBAL	
				Force	Deform		Force	Deform
A14 A14 1 Stiff	Guide :RIGID					Z	0	0.000
		T1	down left		0.000 0.000	X	-407	0.519
						Y	0.000	
						Z	407	0.519
	P1	down left		0.000 0.000	X	-5	0.007	
						Y	0.000	
						Z	5 0.007	
	SUM	down left	176 584	0.000 0.000	X	-413	0.526	
						Y	-176 0.000	
						Z	413 0.526	
	RESP	down left		0.000 0.000	X	59	0.000	
						Y	0.000	
						Z	59 0.000	
	TOTAL	down left	176 668	0.000 0.000	X	472	0.526	
						Y	176 0.000	
					Z	472 0.526		
A14 A14 1 Stiff	Guide :RIGID		down left	219 0	0.000 0.000	X	0	0.000
						Y	-219	0.000
						Z	0	0.000
	T1	down right		0.000 0.000	X	86	0.390	
						Y	0.000	
						Z	-86 0.390	
	P1	down right		0.000 0.000	X	1	0.005	
						Y	0.000	
						Z	-1 0.005	
	SUM	down right	219 123	0.000 0.000	X	87	0.395	
						Y	-219 0.000	
						Z	-87 0.395	
	RESP	down left		0.000 0.000	X	32	0.000	
						Y	0.000	
						Z	32 0.000	
TOTAL	down left	219 168	0.000 0.000	X	119	0.395		
					Y	219 0.000		
					Z	119 0.395		
A15 A15 1	Guide :RIGID		down left	210 0	0.000 0.000	X	0	0.000
						Y	-210	0.000
					Z	0	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL										
			Dirn	Force	Deform	Dirn	Force	Deform							
T1	down left	32	0.000	X	-23	0.260	Y	0.000	Z	23	0.260				
				Y	0.000										
				Z	0.000										
P1	down left	0	0.000	X	0	0.003	Y	0.000	Z	0	0.003				
				Y	0.000										
				Z	0.003										
SUM	down left	210 33	0.000	X	-23	0.263	Y	-210	0.000	Z	23	0.263			
				Y	0.000										
				Z	0.263										
RESP	down left	12	0.000	X	9	0.000	Y	0.000	Z	9	0.000				
				Y	0.000										
				Z	0.000										
TOTAL	down left	210 45	0.000	X	32	0.263	Y	210	0.000	Z	32	0.263			
				Y	0.000										
				Z	0.263										
A16 A18 1 Stiff	Guide :RIGID	GR	down left	213 0	0.000	0.000	X	0	0.000	Y	-213	0.000			
													Z	0	0.000
Y	0.000														
Z	0.130														
P1	down right	0	0.000	X	0	0.002	Y	0.000	Z	0	0.002				
				Y	0.000										
				Z	0.002										
SUM	down right	213 9	0.000	X	7	0.132	Y	-213	0.000	Z	-7	0.132			
				Y	0.000										
				Z	0.132										
RESP	down left	3	0.000	X	2	0.000	Y	0.000	Z	2	0.000				
				Y	0.000										
				Z	0.000										
TOTAL	down left	213 13	0.000	X	9	0.132	Y	213	0.000	Z	9	0.132			
				Y	0.000										
				Z	0.132										
A18 A18 1 Stiff	Guide :RIGID	GR	down right	213 0	0.000	0.000	X	0	0.000	Y	-213	0.000			
													Z	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL										
			Dirn	Force	Deform	Dirn	Force	Deform							
P1	up right	0	0.000	X	0	0.000	Y	0	0.000	Z	0	-0.002			
				Y	0.000										
				Z	0.000										
SUM	down right	212 8	0.000	X	5	-0.132	Y	-212	0.000	Z	-5	-0.132			
				Y	0.000										
				Z	0.000										
RESP	down left	4	0.000	X	3	0.000	Y	0	0.000	Z	3	0.000			
				Y	0.000										
				Z	0.000										
TOTAL	down left	213 12	0.000	X	8	0.132	Y	213	0.000	Z	8	0.132			
				Y	0.000										
				Z	0.132										
A19 A19 1 Stiff	Guide :RIGID	GR	down left	210 1	0.000	0.000	X	-1	0.000	Y	-210	0.000			
													Z	1	0.000
Y	0.000														
Z	-18	-0.261													
P1	down left	0	0.000	X	0	-0.003	Y	0	0.000	Z	0	-0.003			
				Y	0.000										
				Z	0.000										
SUM	down left	210 27	0.000	X	-19	-0.264	Y	-210	0.000	Z	19	-0.264			
				Y	0.000										
				Z	0.000										
RESP	down left	15	0.000	X	11	0.001	Y	0	0.000	Z	11	0.001			
				Y	0.000										
				Z	0.000										
TOTAL	down left	210 42	0.000	X	30	0.264	Y	210	0.000	Z	30	0.264			
				Y	0.000										
				Z	0.264										
A20 A20 1 Stiff	Guide :RIGID	GR	down right	220 6	0.000	0.000	X	4	0.000	Y	-220	0.000			
													Z	-4	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z	-65	-0.391
		P1	up	0	0.000	X	1	-0.005
			right	1	0.000	Y	0	0.000
						Z	-1	-0.005
		SUM	down	219	0.000	X	70	-0.396
			right	99	0.000	Y	-219	0.000
						Z	-70	-0.396
		RESP	down	1	0.000	X	41	0.001
			left	58	0.000	Y	1	0.000
						Z	41	0.001
		TOTAL	down	220	0.000	X	111	0.396
			left	157	0.000	Y	220	0.000
						Z	111	0.396
A21 A21 1 Stiff	Guide :RIGID	GR	down	169	0.000	X	-19	0.000
			left	27	0.000	Y	-169	0.000
						Z	19	0.000
		T1	down	11	0.000	X	-278	-0.521
			left	393	0.000	Y	-11	0.000
						Z	278	-0.521
		P1	down	0	0.000	X	-4	-0.007
			left	5	0.000	Y	0	0.000
						Z	4	-0.007
		SUM	down	179	0.000	X	-301	-0.528
			left	425	0.000	Y	-179	0.000
						Z	301	-0.528
		RESP	down	9	0.000	X	118	0.001
			left	167	0.000	Y	9	0.000
						Z	118	0.001
		TOTAL	down	188	0.000	X	419	0.529
			left	592	0.000	Y	188	0.000
						Z	419	0.529
A22 A22 1 Stiff	Inclined :RIGID	GR	back	135	0.000	X	-0.004	0.000
						Y	-135	0.000
						Z	0.004	0.004
		T1	forw	32	0.000	X	32	-0.693
						Y	0	0.000
						Z	0	-0.512

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		P1	forw	0	0.000	X		-0.009
						Y	0	0.000
						Z		-0.007
		SUM	back	103	0.000	X		-0.706
						Y	-103	0.000
						Z		-0.514
		RESP	back	17	0.000	X		0.102
						Y	17	0.000
						Z		0.102
		TOTAL	back	120	0.000	X		0.808
						Y	120	0.000
						Z		0.616
A25 A24 1 Stiff	Inclined :RIGID	GR	back	122	0.000	X		0.032
						Y	-122	0.000
						Z		0.018
		T1	back	134	0.000	X		-0.254
						Y	-134	0.000
						Z		-0.435
		P1	back	2	0.000	X		-0.003
						Y	-2	0.000
						Z		-0.006
		SUM	back	258	0.000	X		-0.225
						Y	-258	0.000
						Z		-0.423
		RESP	back	12	0.000	X		0.262
						Y	12	0.000
						Z		0.130
		TOTAL	back	269	0.000	X		0.487
						Y	269	0.000
						Z		0.553
A27 A27 1 Stiff	Inclined :RIGID	GR	back	125	0.000	X		0.057
						Y	-125	0.000
						Z		0.025
		T1	forw	56	0.000	X		0.045
						Y	56	0.000
						Z		-0.428
		P1	forw	1	0.000	X		0.001

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL	
				Force	Deform	Force	Deform
						Y	1 0.000
						Z	-0.006
	SUM	back	68	0.000	X	0.103	0.000
					Y	-68	-0.409
					Z		
	RESP	back	12	0.000	X	0.315	0.000
					Y	12	0.142
					Z		
	TOTAL	back	80	0.000	X	0.418	0.000
					Y	80	0.552
					Z		
A28	1 Guide Stiff :RIGID	GR	down	203	0.000	X	4 0.041
		right	29	0.000	Y	-201	-0.007
					Z	-37 0.041	
	T1	down	35	0.000	X	319	-0.291
		right	455	0.000	Y	-35	0.047
					Z	-325	-0.291
	P1	down	0	0.000	X	4	-0.004
		right	6	0.000	Y	0	0.001
					Z	-4	-0.004
	SUM	down	238	0.000	X	328	-0.255
		right	491	0.000	Y	-237	0.041
					Z	-366	-0.255
	RESP	down	18	0.000	X	133	0.185
		left	186	0.000	Y	18	0.030
					Z	131	0.185
	TOTAL	down	256	0.000	X	460	0.439
		left	677	0.000	Y	254	0.071
					Z	497	0.439
A29	1 Guide Stiff :RIGID	GR	down	235	0.000	X	-22 0.041
		left	5	0.000	Y	-234	-0.007
					Z	-16 0.041	
	T1	up	39	0.000	X	-194	-0.428
		left	279	0.000	Y	39	0.069
					Z	200	-0.428
	P1	up	1	0.000	X	-3	-0.006
		left	4	0.000	Y	1	0.001

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL	
				Force	Deform	Force	Deform
						Z	3 -0.006
	SUM	down	196	0.000	X	-219	-0.393
		left	287	0.000	Y	-194	0.063
					Z	187	-0.393
	RESP	down	16	0.000	X	75	0.185
		left	105	0.000	Y	16	0.030
					Z	73	0.185
	TOTAL	down	212	0.000	X	293	-0.578
		left	392	0.000	Y	210	0.093
					Z	261	-0.578
A30	1 Guide Stiff :RIGID	GR	down	197	0.000	X	-26 0.041
		left	14	0.000	Y	-195	-0.007
					Z	-5 0.041	
	T1	down	65	0.000	X	373	-0.566
		right	535	0.000	Y	-65	0.091
					Z	-383	-0.566
	P1	down	1	0.000	X	5	-0.007
		right	7	0.000	Y	-1	0.001
					Z	-5	-0.007
	SUM	down	263	0.000	X	352	-0.532
		right	527	0.000	Y	-261	0.086
					Z	-394	-0.532
	RESP	down	21	0.000	X	104	0.185
		left	146	0.000	Y	21	0.030
					Z	102	0.185
	TOTAL	down	284	0.000	X	456	0.717
		left	673	0.000	Y	282	0.115
					Z	496	0.717
A31	1 Inclined Stiff :RIGID	GR	back	139	0.000	X	0.034
						Y	-139
					Z		0.048
	T1	forw	61	0.000	X		-0.452
					Y	61	0.000
					Z		-0.901
	P1	forw	1	0.000	X		-0.006
					Y	1	0.000
					Z		-0.012

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		SUM	back	77	0.000	X Y Z	-77	-0.424 0.000 -0.864
		RESP	back	22	0.000	X Y Z	22	0.290 0.000 0.242
		TOTAL	back	99	0.000	X Y Z	99	0.715 0.000 1.106
A33 A33 Stiff	1 Inclined :RIGID	GR	back	86	0.000	X Y Z	-86	0.029 0.000 0.030
		T1	back	5	0.000	X Y Z	-5	-0.409 0.000 -0.408
		P1	back	0	0.000	X Y Z	0	-0.005 0.000 -0.005
		SUM	back	91	0.000	X Y Z	-91	-0.385 0.000 -0.384
		RESP	back	21	0.000	X Y Z	21	0.302 0.000 0.298
		TOTAL	back	112	0.000	X Y Z	112	0.686 0.000 0.682
A34 A34 Stiff	1 Inclined :RIGID	GR	back	89	0.000	X Y Z	-89	0.011 0.000 0.012
		T1	forw	77	0.000	X Y Z	77	0.055 0.000 0.152
		P1	forw	1	0.000	X Y Z	1	0.001 0.000 0.002
		SUM	back	11	0.000	X		0.067

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		RESP	back	25	0.000	X Y Z		0.265 0.000 0.325
		TOTAL	back	36	0.000	X Y Z	36	0.332 0.000 0.491
A36 A36 Stiff	1 Inclined :RIGID	GR	back	140	0.000	X Y Z	-140	0.007 0.000 -0.007
		T1	back	18	0.000	X Y Z	-18	0.100 0.000 0.634
		P1	back	0	0.000	X Y Z	0	0.001 0.000 0.008
		SUM	back	158	0.000	X Y Z	-158	0.108 0.000 0.636
		RESP	back	5	0.000	X Y Z	5	0.237 0.000 0.237
		TOTAL	back	164	0.000	X Y Z	164	0.345 0.000 0.872
A37 A37 Stiff	1 Guide :RIGID	GR	down rgh	199 17	0.000 0.000	X Y Z	12 -199 -12	0.000 0.000 0.000
		T1	up left	1 530	0.000 0.000	X Y Z	-375 1 375	0.261 0.000 0.260
		P1	up left	0 7	0.000 0.000	X Y Z	-5 0 5	0.003 0.000 0.003
		SUM	down left	199 521	0.000 0.000	X Y	-368 -199	0.264 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L		Dirn	G L O B A L	
				Force	Deform		Force	Deform
						Z	368	0.264
	RESP		down	1	0.000	X	141	0.000
			left	199	0.000	Y	1	0.000
						Z	141	0.000
	TOTAL		down	199	0.000	X	509	0.264
			left	720	0.000	Y	199	0.000
						Z	509	0.264
A38	GR		down	215	0.000	X	-4	0.000
A38 1			left	5	0.000	Y	-215	0.000
Stiff						Z	4	0.000
	T1		down	0	0.000	X	130	0.130
			right	184	0.000	Y	0	0.000
						Z	-130	0.130
	P1		down	0	0.000	X	2	0.002
			right	2	0.000	Y	0	0.000
						Z	-2	0.002
	SUM		down	215	0.000	X	128	0.132
			right	182	0.000	Y	-215	0.000
						Z	-128	0.132
	RESP		down	0	0.000	X	72	0.000
			left	102	0.000	Y	0	0.000
						Z	72	0.000
	TOTAL		down	215	0.000	X	201	0.132
			left	284	0.000	Y	215	0.000
						Z	201	0.132
A40	GR		down	62	0.000	X	0	0.000
A40 1			left	0	0.000	Y	-62	0.000
Stiff						Z	0	0.000
	T1		down	0	0.000	X	293	-0.129
			right	414	0.000	Y	0	0.000
						Z	-293	-0.129
	P1		down	7	0.000	X	5	-0.002
			right	0	0.000	Y	0	0.000
						Z	-5	-0.002
	SUM		down	62	0.000	X	298	-0.131
			right	421	0.000	Y	-62	0.000
						Z	-298	-0.131

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L		Dirn	G L O B A L	
				Force	Deform		Force	Deform
	RESP		down	42	0.000	X	0	0.000
			left	0	0.000	Y	42	0.000
						Z	0	0.000
	TOTAL		down	104	0.000	X	298	0.131
			left	421	0.000	Y	104	0.000
						Z	298	0.131
A41	GR		down	465	0.000	X	0	0.000
A41 1			right	0	0.000	Y	-465	0.000
Stiff						Z	0	0.000
	T1		down	934	0.000	X	-660	-0.370
			left	0	0.000	Y	0	0.000
						Z	660	-0.148
	P1		down	14	0.000	X	-10	-0.003
			left	0	0.000	Y	10	0.000
						Z	-10	-0.003
	SUM		down	465	0.000	X	-670	-0.373
			left	948	0.000	Y	-465	0.000
						Z	670	-0.151
	RESP		down	68	0.000	X	0	0.000
			left	0	0.000	Y	68	0.000
						Z	0	0.000
	TOTAL		down	532	0.000	X	670	0.373
			left	948	0.000	Y	532	0.000
						Z	670	0.151
A45	GR		down	450	0.000	X	0	0.000
A45 1			left	0	0.000	Y	-450	0.000
Stiff						Z	0	0.000
	T1		down	807	0.000	X	-807	-0.151
			left	0	0.000	Y	0	0.000
						Z	807	-0.151
	P1		down	12	0.000	X	-12	0.000
			left	0	0.000	Y	0	0.000
						Z	0	0.010
	SUM		down	450	0.000	X	-818	-0.151
			left	818	0.000	Y	-450	0.000
						Z	818	0.010
	RESP		down	56	0.000	X	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		Dirn	GLOBAL	
				Force	Deform		Force	Deform
			left		0.000	Y	56	0.000
						Z		0.000
		TOTAL	down			X	818	0.151
			left	507	0.000	Y	507	0.000
				818	0.000	Z		0.811
A46 A46 Stiff	1 Guide :RIGID	GR	down	129	0.000	X		0.000
			left		0.000	Y	-129	0.000
						Z		0.000
		T1	down		0.000	X	336	-0.112
			right	336	0.000	Y		0.000
						Z		0.595
		P1	down		0.000	X	5	0.000
			right	5	0.000	Y		0.000
						Z		0.008
		SUM	down	129	0.000	X	341	-0.112
			right	341	0.000	Y	-129	0.000
						Z		0.603
		RESP	down	31	0.000	X		0.000
			left		0.000	Y	31	0.000
						Z		0.000
		TOTAL	down	160	0.000	X	341	0.112
			left	341	0.000	Y	160	0.000
						Z		0.603
A47 A47 Stiff	1 Guide :RIGID	GR	down	262	0.000	X		0.000
			left		0.000	Y	-262	0.000
						Z		0.000
		T1	down		0.000	X	-74	-0.073
			left	74	0.000	Y		0.000
						Z		0.389
		P1	down		0.000	X	-1	0.000
			left	1	0.000	Y		0.000
						Z		0.005
		SUM	down	262	0.000	X	-75	-0.073
			left	75	0.000	Y	-262	0.000
						Z		0.394
		RESP	down	8	0.000	X		0.000
			left		0.000	Y	8	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		Dirn	GLOBAL	
				Force	Deform		Force	Deform
						Z		0.000
		TOTAL	down	271	0.000	X	75	0.073
			left	75	0.000	Y	271	0.000
						Z		0.394
A48 A48 Stiff	1 Guide :RIGID	GR	down	214	0.000	X		0.000
			left		0.000	Y	-214	0.000
						Z		0.000
		T1	down		0.000	X	1	0.000
			right	1	0.000	Y		0.000
						Z		0.195
		P1	down		0.000	X	0	0.000
			right	0	0.000	Y		0.000
						Z		0.003
		SUM	down	214	0.000	X	2	0.000
			right	2	0.000	Y	-214	0.000
						Z		0.197
		RESP	down	3	0.000	X		0.000
			left		0.000	Y	3	0.000
						Z		0.000
		TOTAL	down	217	0.000	X	2	0.000
			left	2	0.000	Y	217	0.000
						Z		0.197
A50 A50 Stiff	1 Guide :RIGID	GR	down	225	0.000	X		0.000
			left		0.000	Y	-225	0.000
						Z		0.000
		T1	down		0.000	X	3	0.000
			right	3	0.000	Y		0.000
						Z		-0.196
		P1	down		0.000	X	0	0.000
			right	0	0.000	Y		0.000
						Z		-0.003
		SUM	down	225	0.000	X	4	0.000
			right	4	0.000	Y	-225	0.000
						Z		-0.198
		RESP	down		0.000	X	2	0.000
			left	2	0.000	Y		0.000
						Z		0.000

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SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL		
			Dirn	Force	Dirn	Force	
		TOTAL	down	225	0.000	X	5
			left	5	0.000	Y	225
						Z	0.198
A51	1 Guide	GR	down	225	0.000	X	0.000
A51	1 Guide		left		0.000	Y	-225
Stiff	:RIGID					Z	0.000
		T1	down	12	0.000	X	-12
			left		0.000	Y	0.000
						Z	-0.392
		P1	down	0	0.000	X	0
			left		0.000	Y	0.000
						Z	-0.005
		SUM	down	225	0.000	X	-12
			left	12	0.000	Y	-225
						Z	0.000
		RESP	down	6	0.000	X	6
			left		0.000	Y	0.000
						Z	0.000
		TOTAL	down	225	0.000	X	19
			left	19	0.000	Y	225
						Z	0.000
A52	1 Guide	GR	down	227	0.000	X	0.000
A52	1 Guide		left		0.000	Y	-227
Stiff	:RIGID					Z	0.000
		T1	down	46	0.000	X	46
			right		0.000	Y	0.000
						Z	-0.588
		P1	down	1	0.000	X	1
			right		0.000	Y	0.000
						Z	-0.008
		SUM	down	227	0.000	X	46
			right	46	0.000	Y	-227
						Z	0.000
		RESP	down	23	0.000	X	23
			left		0.000	Y	0.000
						Z	0.000
		TOTAL	down	227	0.000	X	69
						Y	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL		
			Dirn	Force	Dirn	Force	
		TOTAL	down	69	0.000	X	227
			left			Y	0.000
						Z	0.595
A53	1 Guide	GR	down	220	0.000	X	0.000
A53	1 Guide		left		0.000	Y	-220
Stiff	:RIGID					Z	0.000
		T1	down	172	0.000	X	-172
			left		0.000	Y	0.000
						Z	-0.784
		P1	down	2	0.000	X	-2
			left		0.000	Y	0.000
						Z	-0.010
		SUM	down	220	0.000	X	-174
			left	174	0.000	Y	-220
						Z	0.000
		RESP	down	87	0.000	X	87
			left		0.000	Y	0.000
						Z	0.000
		TOTAL	down	220	0.000	X	261
			left	261	0.000	Y	220
						Z	0.794
I53	1 Guide	GR	down	244	0.000	X	0.000
I53	1 Guide		left		0.000	Y	-244
Stiff	:RIGID					Z	0.000
		T1	down	465	0.000	X	465
			right		0.000	Y	0.000
						Z	-0.980
		P1	down	6	0.000	X	6
			right		0.000	Y	0.000
						Z	-0.013
		SUM	down	244	0.000	X	471
			right	471	0.000	Y	-244
						Z	0.000
		RESP	down	147	0.000	X	147
			left		0.000	Y	0.000
						Z	0.000
		TOTAL	down	244	0.000	X	618
			left	618	0.000	Y	244
						Z	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform		Dirn	Force	Deform
							Z	0.992	
A54 A54 1 Stiff	Inclined :RIGID	GR	back	176	0.000	X		0.000	
						Y	-176	0.000	
						Z		0.000	
		T1	back		0.000	X		0.495	
						Y		0.000	
						Z		-1.183	
		P1	back		0.000	X		0.007	
						Y		0.000	
						Z		-0.015	
		SUM	back	176	0.000	X		0.502	
						Y	-176	0.000	
						Z		-1.199	
		RESP	back		0.000	X		0.536	
						Y		0.000	
						Z		0.000	
	TOTAL	back	176	0.000	X		1.038		
					Y	176	0.000		
					Z		1.199		
A56 A56 1 Stiff	Inclined :RIGID	GR	back	106	0.000	X		0.000	
						Y	-106	0.000	
						Z		0.000	
		T1	back		0.000	X		0.024	
						Y		0.000	
						Z		-0.623	
		P1	back		0.000	X		0.000	
						Y		0.000	
						Z		-0.008	
		SUM	back	106	0.000	X		0.024	
						Y	-106	0.000	
						Z		-0.631	
		RESP	back		0.000	X		0.661	
						Y		0.000	
						Z		0.095	
	TOTAL	back	106	0.000	X		0.685		
					Y	106	0.000		
					Z		0.726		

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform		Dirn	Force	Deform
I56 I56 1 Stiff	Inclined :RIGID	GR	back	105	0.000	X		0.000	
						Y	-105	0.000	
						Z		0.000	
		T1	back		0.000	X		-0.089	
						Y		0.000	
						Z		1.085	
		P1	back		0.000	X		-0.001	
						Y		0.000	
						Z		0.014	
		SUM	back	105	0.000	X		-0.090	
						Y	-105	0.000	
						Z		1.099	
		RESP	back		0.000	X		0.661	
						Y		0.000	
						Z		0.094	
	TOTAL	back	105	0.000	X		0.752		
					Y	105	0.000		
					Z		1.193		
A58 A58 1 Stiff	Inclined :RIGID	GR	back	178	0.000	X		0.000	
						Y	-178	0.000	
						Z		0.000	
		T1	back		0.000	X		-0.554	
						Y		0.000	
						Z		1.640	
		P1	back		0.000	X		-0.007	
						Y		0.000	
						Z		0.021	
		SUM	back	178	0.000	X		-0.561	
						Y	-178	0.000	
						Z		1.662	
		RESP	back		0.000	X		0.538	
						Y		0.000	
						Z		0.000	
	TOTAL	back	178	0.000	X		1.099		
					Y	178	0.000		
					Z		1.662		
A59	GR	down	250	0.000	X		0.000		

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SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL					
			Dirn	Force	Deform	Dirn	Force	Deform		
A59 Stiff	1 Guide :RIGID		left		0.000		Y	-250	0.000	0.000
	T1		down			X	-463	0.000		
			left	463	0.000	Y		0.000		
						Z		1.434		
	P1		down		0.000	X	-6	0.000		
			left	6	0.000	Y		0.000		
						Z		0.019		
	SUM		down		0.000	X	-469	0.000		
			left	469	0.000	Y	-250	0.000		
						Z		1.452		
	RESP		down		0.000	X	138	0.000		
			left	138	0.000	Y		0.000		
						Z		0.000		
	TOTAL		down		0.000	X	607	0.000		
			left	607	0.000	Y	250	0.000		
						Z		1.453		
A60 A60 Stiff	1 Guide :RIGID		down		0.000	X		0.000		
	GR		left	231	0.000	Y		0.000		
						Z		0.000		
	T1		down		0.000	X	168	0.000		
			right	168	0.000	Y		0.000		
						Z		1.229		
	P1		down		0.000	X	2	0.000		
			right	2	0.000	Y		0.000		
						Z		0.016		
	SUM		down		0.000	X	171	0.000		
			right	171	0.000	Y	-231	0.000		
						Z		1.245		
	RESP		down		0.000	X	80	0.000		
			left	80	0.000	Y		0.000		
						Z		0.000		
	TOTAL		down		0.000	X	250	0.000		
			left	250	0.000	Y	231	0.000		
						Z		1.245		
A61 A61 Stiff	1 Guide :RIGID		down		0.000	X		0.000		
	GR		left	237	0.000	Y		0.000		
						Z		0.000		

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL					
			Dirn	Force	Deform	Dirn	Force	Deform		
A62 Stiff	1 Guide :RIGID						Z			0.000
	T1		down			X		-45	0.000	
			left	45	0.000	Y		0.000		
						Z		1.024		
	P1		down		0.000	X		-1	0.000	
			left	1	0.000	Y		0.000		
						Z		0.013		
	SUM		down		0.000	X	237	0.000		
			left	46	0.000	Y		-46	0.000	
						Z		-237	0.000	
	RESP		down		0.000	X		21	0.000	
			left	21	0.000	Y		0.000		
						Z		0.000		
	TOTAL		down		0.000	X	237	0.000		
			left	67	0.000	Y	67	0.000		
						Z		237	0.000	
										1.038
A62 A62 Stiff	1 Guide :RIGID		down		0.000	X		0.000		
	GR		left	235	0.000	Y		0.000		
						Z		-235	0.000	
	T1		down		0.000	X		12	0.000	
			right	12	0.000	Y		0.000		
						Z		0.819		
	P1		down		0.000	X		0	0.000	
			right	0	0.000	Y		0.000		
						Z		0.011		
	SUM		down		0.000	X	235	0.000		
			right	12	0.000	Y		-235	0.000	
						Z		0.830		
	RESP		down		0.000	X		6	0.000	
			left	6	0.000	Y		0.000		
						Z		0.000		
	TOTAL		down		0.000	X	235	0.000		
			left	18	0.000	Y	18	0.000		
						Z		235	0.000	
										0.830
A63 A63 Stiff	1 Guide :RIGID		down		0.000	X		0.000		
	GR		left	236	0.000	Y		0.000		
						Z		-236	0.000	

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SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL		
			Dirn	Force	Dirn	Force	Deform
		T1	down left	3	0.000 0.000	X Y Z	-3 0.000 0.614
		P1	down left	0	0.000 0.000	X Y Z	0 0.000 0.008
		SUM	down left	236 3	0.000 0.000	X Y Z	-3 0.000 -236 0.000 0.622
		RESP	down left	2	0.000 0.000	X Y Z	2 0.000 0.000
		TOTAL	down left	236 5	0.000 0.000	X Y Z	5 236 0.000 0.000 0.623
A64 A64 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z	0.000 0.000 0.000
		T1	down right	1	0.000 0.000	X Y Z	1 0.000 0.410
		P1	down right	0	0.000 0.000	X Y Z	0 0.000 0.005
		SUM	down right	235 1	0.000 0.000	X Y Z	1 -235 0.000 0.415
		RESP	down left	0	0.000 0.000	X Y Z	0 0.000 0.000
		TOTAL	down left	235 1	0.000 0.000	X Y Z	1 235 0.000 0.415
A65 A65 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z	0.000 0.000 0.000
		T1	down		0.000	X	0 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL		
			Dirn	Force	Dirn	Force	Deform
		P1	down left	0	0.000 0.000	X Y Z	0 0.000 0.003
		SUM	down left	235 0	0.000 0.000	X Y Z	0 0.000 -235 0.000 0.207
		RESP	down left	0	0.000 0.000	X Y Z	0 0.000 0.000
		TOTAL	down left	235 0	0.000 0.000	X Y Z	0 235 0.000 0.000 0.208
A67 A67 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z	0.000 0.000 0.000
		T1	down right	0	0.000 0.000	X Y Z	0 0.000 -0.205
		P1	down right	0	0.000 0.000	X Y Z	0 0.000 -0.003
		SUM	down right	235 0	0.000 0.000	X Y Z	0 -235 0.000 -0.207
		RESP	down left	0	0.000 0.000	X Y Z	0 0.000 0.000
		TOTAL	down left	235 0	0.000 0.000	X Y Z	0 235 0.000 0.207
A68 A68 1 Stiff	Guide :RIGID	GR	down left	235 0	0.000 0.000	X Y Z	0 -235 0.000 0.000
		T1	up left	0 1	0.000 0.000	X Y	-1 0 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		-0.409
	P1	up	0	0.000	X	0	0.000	0.000
		left	0	0.000	Y	0	0.000	0.000
					Z			-0.005
	SUM	down	235	0.000	X	-1	0.000	0.000
		left	1	0.000	Y	-235	0.000	0.000
					Z			-0.415
	RESP	down	0	0.000	X	0	0.000	0.000
		left	0	0.000	Y	0	0.000	0.000
					Z			0.000
	TOTAL	down	235	0.000	X	1	0.000	0.000
		left	1	0.000	Y	235	0.000	0.000
					Z			0.415
A69	GR	down	236	0.000	X	0	0.000	0.000
A69		right	0	0.000	Y	-236	0.000	0.000
Stiff					Z			0.000
	T1	down	0	0.000	X	4	0.000	0.000
		right	4	0.000	Y	0	0.000	0.000
					Z			-0.614
	P1	down	0	0.000	X	0	0.000	0.000
		right	0	0.000	Y	0	0.000	0.000
					Z			-0.008
	SUM	down	236	0.000	X	4	0.000	0.000
		right	4	0.000	Y	-236	0.000	0.000
					Z			-0.622
	RESP	down	0	0.000	X	2	0.000	0.000
		left	2	0.000	Y	0	0.000	0.000
					Z			0.000
	TOTAL	down	236	0.000	X	5	0.000	0.000
		left	5	0.000	Y	236	0.000	0.000
					Z			0.622
A70	GR	down	235	0.000	X	0	0.000	0.000
A70		left	0	0.000	Y	-235	0.000	0.000
Stiff					Z			0.000
	T1	up	0	0.000	X	-13	0.000	0.000
		left	13	0.000	Y	0	0.000	0.000
					Z			-0.819

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
	P1	up	0	0.000	X	0	0.000	0.000
		left	0	0.000	Y	0	0.000	0.000
					Z			-0.011
	SUM	down	235	0.000	X	-13	0.000	0.000
		left	13	0.000	Y	-235	0.000	0.000
					Z			-0.829
	RESP	down	0	0.000	X	6	0.000	0.000
		left	6	0.000	Y	0	0.000	0.000
					Z			0.000
	TOTAL	down	235	0.000	X	19	0.000	0.000
		left	19	0.000	Y	235	0.000	0.000
					Z			0.829
A71	GR	down	237	0.000	X	0	0.000	0.000
A71		right	0	0.000	Y	-237	0.000	0.000
Stiff					Z			0.000
	T1	down	1	0.000	X	50	0.000	0.000
		right	50	0.000	Y	-1	0.000	0.000
					Z			-1.023
	P1	down	0	0.000	X	1	0.000	0.000
		right	1	0.000	Y	0	0.000	0.000
					Z			-0.013
	SUM	down	237	0.000	X	50	0.000	0.000
		right	50	0.000	Y	-237	0.000	0.000
					Z			-1.037
	RESP	down	0	0.000	X	22	0.000	0.000
		left	22	0.000	Y	0	0.000	0.000
					Z			0.000
	TOTAL	down	237	0.000	X	72	0.000	0.000
		left	72	0.000	Y	237	0.000	0.000
					Z			1.037
A72	GR	down	231	0.000	X	0	0.000	0.000
A72		left	0	0.000	Y	-231	0.000	0.000
Stiff					Z			0.000
	T1	up	2	0.000	X	-186	0.000	0.000
		left	186	0.000	Y	2	0.000	0.000
					Z			-1.228
	P1	up	0	0.000	X	-2	0.000	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	2	0.000	Y Z	0 -0.016	0.000 -0.016
		SUM	down left	229 189	0.000 0.000	X Y Z	-189 -229 -1.244	0.000 0.000 -1.244
		RESP	down left	0 82	0.000 0.000	X Y Z	82 0 0.000	0.000 0.000 0.000
		TOTAL	down left	229 271	0.000 0.000	X Y Z	271 229 1.244	0.000 0.000 1.244
A73 A73 Stiff	1 Guide :RIGID	GR	down right	250 0	0.000 0.000	X Y Z	0 -250 0.000	0.000 0.000 0.000
		T1	down right	9 517	0.000 0.000	X Y Z	517 -9 -1.433	0.000 0.000 -1.433
		P1	down right	0 7	0.000 0.000	X Y Z	7 0 -0.019	0.000 0.000 -0.019
		SUM	down right	259 524	0.000 0.000	X Y Z	524 -259 -1.451	0.000 0.000 -1.451
		RESP	down left	0 142	0.000 0.000	X Y Z	142 0 0.000	0.000 0.000 0.000
		TOTAL	down left	259 666	0.000 0.000	X Y Z	666 259 1.452	0.000 0.000 1.452
A74 A74 Stiff	1 Inclined :RIGID	GR	back	178	0.000	X Y Z	0.000 -178 0.000	0.000 0.000 0.000
		T1	back	101	0.000	X Y Z	0.591 -101 -1.639	0.591 0.000 -1.639
		P1	back	1	0.000	X Y	0.008 -1	0.008 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		-0.021
		SUM	back	280	0.000	X Y Z	-280	0.599 0.000 -1.661
		RESP	back	3	0.000	X Y Z	3	0.553 0.000 0.000
		TOTAL	back	283	0.000	X Y Z	283	1.152 0.000 1.661
A76 A76 Stiff	1 Inclined :RIGID	GR	back	106	0.000	X Y Z	-106	-0.001 0.000 0.001
		T1	forw	143	0.000	X Y Z	143	0.057 0.000 -0.985
		P1	forw	2	0.000	X Y Z	2	0.001 0.000 -0.013
		SUM	forw	39	0.000	X Y Z	39	0.057 0.000 -0.997
		RESP	back	3	0.000	X Y Z	3	0.680 0.000 0.097
		TOTAL	back	42	0.000	X Y Z	42	0.737 0.000 1.094
176 176 Stiff	1 Inclined :RIGID	GR	back	106	0.000	X Y Z	-106	-0.001 0.000 0.001
		T1	back	143	0.000	X Y Z	-143	-0.057 0.000 0.985
		P1	back	2	0.000	X Y Z	-2	-0.001 0.000 0.013

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L		G L O B A L			
			Dirn	Force	Deform	Dirn	Force	Deform
A78 A78 1 Stiff	Inclined :RIGID	SUM	back	250	0.000	X Y Z	-0.058 0.000 0.999	
		RESP	back	3	0.000	X Y Z	0.680 0.000 0.097	
		TOTAL	back	253	0.000	X Y Z	0.738 0.000 1.095	
	GR	back	178	0.000	X Y Z	0.000 0.000 0.000	-178	
		T1	forw	101	0.000	X Y Z	-0.591 0.000 1.639	101
		P1	forw	1	0.000	X Y Z	-0.008 0.000 0.021	1
	SUM	back	75	0.000	X Y Z	-0.598 0.000 1.661	-75	
		RESP	back	3	0.000	X Y Z	0.553 0.000 0.000	3
		TOTAL	back	78	0.000	X Y Z	1.152 0.000 1.661	78
	A79 A79 1 Stiff	Guide :RIGID	GR	down right	250 0	0.000 0.000	X Y Z	0.000 -250.000 0.000
			T1	up left	9 517	0.000 0.000	X Y Z	-517.000 0.000 1.433
			P1	up left	0 7	0.000 0.000	X Y Z	-7.000 0.000 0.019
SUM	down	242	0.000	X	-524	0.000		

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L		G L O B A L			
			Dirn	Force	Deform	Dirn	Force	Deform
A80 A80 1 Stiff	Guide :RIGID	RESP	down left	524	0.000	X Y Z	-242.000 0.000 1.451	
		TOTAL	down left	242 666	0.000 0.000	X Y Z	666.000 242.000 1.452	
		GR	down left	231 0	0.000 0.000	X Y Z	0.000 -231.000 0.000	
	T1	down right	2 186	0.000 0.000	X Y Z	186.000 -2.000 1.228	2	
		P1	down right	0 2	0.000 0.000	X Y Z	2.000 0.000 0.016	0
		SUM	down right	234 188	0.000 0.000	X Y Z	188.000 -234.000 1.244	
	RESP	down left	0 82	0.000 0.000	X Y Z	82.000 0.000 0.000	82	
		TOTAL	down left	234 271	0.000 0.000	X Y Z	271.000 234.000 1.244	
		GR	down right	237 0	0.000 0.000	X Y Z	0.000 -237.000 0.000	
	T1	up left	1 50	0.000 0.000	X Y Z	-50.000 1.000 1.023	-50	
		P1	up left	0 1	0.000 0.000	X Y Z	-1.000 0.000 0.013	-1
		SUM	down left	236 50	0.000 0.000	X Y	-50.000 -236.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform		Dirn	Force	Deform
						Z		1.037	
		RESP	down	0	0.000	X	22	0.000	
			left	22	0.000	Y	0	0.000	
						Z		0.000	
		TOTAL	down	236	0.000	X	72	0.000	
			left	72	0.000	Y	236	0.000	
						Z		1.037	
A82	1	GR	down	235	0.000	X	0	0.000	
A82	1	Guide	left	0	0.000	Y	-235	0.000	
Stiff		:RIGID				Z		0.000	
		T1	down	0	0.000	X	13	0.000	
			right	13	0.000	Y	0	0.000	
						Z		0.819	
		P1	down	0	0.000	X	0	0.000	
			right	0	0.000	Y	0	0.000	
						Z		0.011	
		SUM	down	235	0.000	X	13	0.000	
			right	13	0.000	Y	-235	0.000	
						Z		0.829	
		RESP	down	0	0.000	X	6	0.000	
			left	6	0.000	Y	0	0.000	
						Z		0.000	
		TOTAL	down	235	0.000	X	19	0.000	
			left	19	0.000	Y	235	0.000	
						Z		0.829	
A83	1	GR	down	236	0.000	X	0	0.000	
A83	1	Guide	right	0	0.000	Y	-236	0.000	
Stiff		:RIGID				Z		0.000	
		T1	up	0	0.000	X	-4	0.000	
			left	4	0.000	Y	0	0.000	
						Z		0.614	
		P1	up	0	0.000	X	0	0.000	
			left	0	0.000	Y	0	0.000	
						Z		0.008	
		SUM	down	235	0.000	X	-4	0.000	
			left	4	0.000	Y	-235	0.000	
						Z		0.622	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform		Dirn	Force	Deform
		RESP	down	0	0.000	X	2	0.000	
			left	2	0.000	Y	0	0.000	
						Z		0.000	
		TOTAL	down	235	0.000	X	5	0.000	
			left	5	0.000	Y	235	0.000	
						Z		0.622	
A84	1	GR	down	235	0.000	X	0	0.000	
A84	1	Guide	left	0	0.000	Y	-235	0.000	
Stiff		:RIGID				Z		0.000	
		T1	down	0	0.000	X	1	0.000	
			right	1	0.000	Y	0	0.000	
						Z		0.409	
		P1	down	0	0.000	X	0	0.000	
			right	0	0.000	Y	0	0.000	
						Z		0.005	
		SUM	down	235	0.000	X	1	0.000	
			right	1	0.000	Y	-235	0.000	
						Z		0.415	
		RESP	down	0	0.000	X	0	0.000	
			left	0	0.000	Y	0	0.000	
						Z		0.000	
		TOTAL	down	235	0.000	X	1	0.000	
			left	1	0.000	Y	235	0.000	
						Z		0.415	
A85	1	GR	down	235	0.000	X	0	0.000	
A85	1	Guide	left	0	0.000	Y	-235	0.000	
Stiff		:RIGID				Z		0.000	
		T1	up	0	0.000	X	0	0.000	
			left	0	0.000	Y	0	0.000	
						Z		0.205	
		P1	down	0	0.000	X	0	0.000	
			left	0	0.000	Y	0	0.000	
						Z		0.003	
		SUM	down	235	0.000	X	0	0.000	
			left	0	0.000	Y	-235	0.000	
						Z		0.207	
		RESP	down		0.000	X	0	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	0	0.000	Y		0.000
						Z		0.000
		TOTAL	down	235	0.000	X	0	0.000
			left	0	0.000	Y	235	0.000
						Z		0.207
A87 A87 1 Stiff	Guide :RIGID	GR	down	235	0.000	X		0.000
			left		0.000	Y	-235	0.000
						Z		0.000
		T1	down		0.000	X	-11	0.000
			left	11	0.000	Y		0.000
						Z		-0.205
		P1	down		0.000	X	0	0.000
			right	0	0.000	Y		0.000
						Z		-0.003
		SUM	down	235	0.000	X	-11	0.000
			left	11	0.000	Y	-235	0.000
						Z		-0.208
		RESP	down		0.000	X	0	0.000
			left	0	0.000	Y		0.000
						Z		0.000
		TOTAL	down	235	0.000	X	11	0.000
			left	11	0.000	Y	235	0.000
						Z		0.208
A88 A88 1 Stiff	Guide :RIGID	GR	down	235	0.000	X		0.000
			left		0.000	Y	-235	0.000
						Z		0.000
		T1	down		0.000	X	20	0.000
			right	20	0.000	Y		0.000
						Z		-0.411
		P1	down		0.000	X	0	0.000
			left	0	0.000	Y		0.000
						Z		-0.005
		SUM	down	235	0.000	X	20	0.000
			right	20	0.000	Y	-235	0.000
						Z		-0.416
		RESP	down		0.000	X	1	0.000
			left	1	0.000	Y		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
								Z
		TOTAL	down	235	0.000	X	20	0.000
			left	20	0.000	Y	235	0.000
						Z		0.416
A89 A89 1 Stiff	Guide :RIGID	GR	down	236	0.000	X		0.000
			left		0.000	Y	-236	0.000
						Z		0.000
		T1	down		0.000	X	-17	0.064
			left	17	0.000	Y		0.000
						Z		-0.616
		P1	down		0.000	X	0	0.000
			right	0	0.000	Y		0.000
						Z		-0.008
		SUM	down	236	0.000	X	-16	0.064
			left	16	0.000	Y	-236	0.000
						Z		-0.624
		RESP	down		0.000	X	2	0.000
			left	2	0.000	Y		0.000
						Z		0.000
		TOTAL	down	236	0.000	X	19	0.064
			left	19	0.000	Y	236	0.000
						Z		0.624
A90 A90 1 Stiff	Guide :RIGID	GR	down	235	0.000	X		0.000
			left		0.000	Y	-235	0.000
						Z		0.000
		T1	down		0.000	X	2	0.086
			right	2	0.000	Y		0.000
						Z		-0.821
		P1	down		0.000	X	0	0.000
			left	0	0.000	Y		0.000
						Z		-0.011
		SUM	down	235	0.000	X	2	0.086
			right	2	0.000	Y	-235	0.000
						Z		-0.832
		RESP	down		0.000	X	9	0.000
			left	9	0.000	Y		0.000
						Z		0.001

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L			G L O B A L		
				Force	Deform	Dirn	Force	Deform	
TOTAL			down left	235 11	0.000 0.000	X Y Z	11 235	0.086 0.000 0.833	
A91 A91 1 Stiff	Guide :RIGID	GR	down left	237	0.000 0.000	X Y Z	-237	0.000 0.000 0.000	
		T1	down right	19	0.000 0.000	X Y Z	19	0.107 0.000 -1.027	
		P1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.013	
		SUM	down right	237 20	0.000 0.000	X Y Z	20 -237	0.107 0.000 -1.040	
		RESP	down left	34	0.000 0.000	X Y Z	34	0.000 0.000 0.001	
TOTAL			down left	237 53	0.000 0.000	X Y Z	53 237 1.041	0.107 0.000 1.041	
A92 A92 1 Stiff	Guide :RIGID	GR	down left	230	0.000 0.000	X Y Z	-230	0.000 0.000 0.000	
		T1	down left	78	0.000 0.000	X Y Z	-78	0.129 0.000 -1.232	
		P1	down left	1	0.000 0.000	X Y Z	-1	0.000 0.000 -0.016	
		SUM	down left	230 80	0.000 0.000	X Y Z	-80 -230	0.129 0.000 -1.248	
		RESP	down left	127	0.000 0.000	X Y Z	127	0.000 0.000 0.001	
TOTAL			down	230	0.000	X	207	0.129	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L			G L O B A L		
				Force	Deform	Dirn	Force	Deform	
TOTAL			down left	207	0.000	Y Z	230	0.000 1.249	
A93 A93 1 Stiff	Guide :RIGID	GR	down left	255	0.000 0.000	X Y Z	-255	0.000 0.000 0.000	
		T1	down right	225	0.000 0.000	X Y Z	225	0.150 0.000 -1.437	
		P1	down right	4	0.000 0.000	X Y Z	4	0.000 0.000 -0.019	
		SUM	down right	255 229	0.000 0.000	X Y Z	229 -255	0.150 0.000 -1.456	
		RESP	down left	230	0.000 0.000	X Y Z	230	0.000 0.000 0.001	
TOTAL			down left	255 459	0.000 0.000	X Y Z	459 255	0.150 0.000 1.457	
A94 A94 1 Stiff	Inclined :RIGID	GR	back	168	0.000	X Y Z	-168	0.000 0.000 0.000	
		T1	back		0.000	X Y Z		0.400 0.000 -1.644	
		P1	back		0.000	X Y Z		0.006 0.000 -0.021	
		SUM	back	168	0.000	X Y Z	-168	0.406 0.000 -1.666	
		RESP	back		0.000	X Y Z		0.818 0.000 0.001	
TOTAL			back	168	0.000	X Y	168	1.223 0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL		
				Force	Deform	Dirn	Force	Deform
A96 A96 1 Stiff	Inclined :RIGID	GR	back	130	0.000	X		1.667
						Y	-130	0.000
						Z		0.000
		T1	back		0.000	X	0.124	
						Y	0.000	
						Z	-1.381	
		P1	back		0.000	X	0.002	
						Y	0.000	
						Z	-0.018	
		SUM	back	130	0.000	X	0.126	
						Y	-130	0.000
						Z	-1.399	
		RESP	back		0.000	X	0.970	
						Y	0.000	
						Z	0.097	
		TOTAL	back	130	0.000	X	1.096	
						Y	0.000	
						Z	1.496	
A97 A97 1 Stiff	Guide :RIGID	GR	down left	221	0.000	X	0.000	
						Y	0.000	
						Z	-221	0.000
		T1	down right	597	0.000	X	-0.049	
						Y	0.000	
						Z	-597	-0.133
		P1	down right	10	0.000	X	-0.001	
						Y	0.000	
						Z	-10	0.000
		SUM	down right	221 608	0.000	X	-0.050	
						Y	-221	0.000
						Z	-608	-0.133
		RESP	down left	85	0.000	X	0.971	
						Y	0.000	
						Z	85	0.000
		TOTAL	down left	221 693	0.000	X	1.020	
						Y	221	0.000
						Z	693	0.133

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL			
				Force	Deform	Dirn	Force	Deform	
A98 A98 1 Stiff	Guide :RIGID	GR	down left	220	0.000	X	0.000		
						Y	-220	0.000	
						Z		0.000	
		T1	down left		556	0.000	X	-0.232	
							Y	0.000	
							Z	556	0.116
		P1	down left		10	0.000	X	-0.003	
							Y	0.000	
							Z	10	0.000
		SUM	down left	220 565	0.000	X	-0.235		
						Y	-220	0.000	
						Z	565	0.116	
		RESP	down left		95	0.000	X	0.971	
							Y	0.000	
							Z	95	0.000
		TOTAL	down left	220 660	0.000	X	1.205		
						Y	220	0.000	
						Z	660	0.116	
A99 A99 1 Stiff	Inclined :RIGID	GR	back	132	0.000	X	0.000		
						Y	-132	0.000	
						Z		0.000	
		T1	back		0.000	X	-0.405		
						Y	0.000		
						Z	1.009		
		P1	back		0.000	X	-0.005		
						Y	0.000		
						Z	0.013		
		SUM	back	132	0.000	X	-0.411		
						Y	-132	0.000	
						Z		1.022	
		RESP	back		0.000	X	0.970		
						Y	0.000		
						Z		0.102	
		TOTAL	back	132	0.000	X	1.381		
						Y	132	0.000	
						Z		1.124	
A101	GR	back	164	0.000	X	0.000			

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL			
				Force	Deform	Dirn	Force	Deform	
A101 1 Stiff	Inclined :RIGID					Y	-164	0.000	
					Z			0.000	
		T1	back	0.000	X	-0.565			
					Y	0.000			
					Z	1.144			
		P1	back	0.000	X	-0.007			
					Y	0.000			
					Z	0.015			
		SUM	back	164 0.000	X	-0.572			
					Y	0.000	-164		
					Z	1.159			
		RESP	back	0.000	X	0.810			
					Y	0.000			
					Z	0.001			
		TOTAL	back	164 0.000	X	1.382			
			Y	0.000	164				
			Z	1.160					
A102 A102 1 Stiff	Guide :RIGID	GR	down left	241 0.000 0.000	X Y	0.000 -241	0.000 0.000		
					Z	0.000			
		T1	down left	244 0.000 0.000	X Y	-244 0.140 0.000	0.000 0.944		
					Z	0.000			
		P1	down left	4 0.000 0.000	X Y	-4 0.000 0.000	0.000 0.007		
					Z	0.012			
		SUM	down left	241 0.000 248 0.000	X Y	-248 0.140 -241 0.000	-0.140 0.956		
					Z	0.000			
		RESP	down left	259 0.000 0.000	X Y	259 0.000 0.000	0.000 0.001		
					Z	0.001			
		TOTAL	down left	241 0.000 508 0.000	X Y	508 0.140 241 0.000	0.140 0.957		
					Z	0.000			
		A103 A103 1	Guide	GR	down left	209 0.000 0.000	X Y	0.000 -209	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL			
				Force	Deform	Dirn	Force	Deform	
A104 A104 1 Stiff	Guide :RIGID					Z		0.000	
		T1	down right	0.000 0.000 93 0.000	X Y	-0.112 0.000	93	0.000 0.755	
					Z	0.000			
		P1	down right	2 0.000 0.000	X Y	2 0.000 0.000	2	0.000 0.010	
					Z	0.015			
		SUM	down right	209 0.000 95 0.000	X Y	-0.112 -209	95	-0.112 0.000 0.765	
					Z	1.159			
		RESP	down left	149 0.000 0.000	X Y	149 0.000 0.000	149	0.000 0.000 0.001	
					Z	0.001			
		TOTAL	down left	209 0.000 243 0.000	X Y	0.112 209	243	0.112 0.000 0.765	
					Z	1.160			
		A105 A105 1 Stiff	Guide :RIGID	GR	down left	218 0.000 0.000	X Y	0.000 -218	0.000 0.000 0.000
							Z	0.000	
				T1	down right	3 0.000 0.000	X Y	3 -0.084 0.000	3
					Z	0.000			
P1	down left			1 0.000 0.000	X Y	-1 0.000 0.000	-1	0.000 0.000 0.007	
					Z	0.012			
SUM	down right			218 0.000 2 0.000	X Y	-0.084 -218	2	-0.084 0.000 0.574	
					Z	0.000			
RESP	down left			40 0.000 0.000	X Y	40 0.000 0.000	40	0.000 0.000 0.000	
					Z	0.001			
TOTAL	down left			218 0.000 42 0.000	X Y	0.084 218	42	0.084 0.000 0.574	
					Z	0.000			
A105 A105 1 Stiff	Guide :RIGID			GR	down left	216 0.000 0.000	X Y	0.000 -216	0.000 0.000 0.000
							Z	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		T1	down left	27	0.000 0.000	X Y Z	-27	0.000 0.000 0.378
		P1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 0.005
		SUM	down left	216 26	0.000 0.000	X Y Z	-26 -216	0.000 0.000 0.382
		RESP	down left	11	0.000 0.000	X Y Z	11	0.000 0.000 0.000
		TOTAL	down left	216 37	0.000 0.000	X Y Z	37 216	0.000 0.000 0.383
A106 A106 1 Stiff	Guide :RIGID	GR	down left	217	0.000 0.000	X Y Z	-217	0.000 0.000 0.000
		T1	down right	17	0.000 0.000	X Y Z	17	0.000 0.000 0.189
		P1	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.002
		SUM	down right	217 17	0.000 0.000	X Y Z	17 -217	0.000 0.000 0.191
		RESP	down left	3	0.000 0.000	X Y Z	3	0.000 0.000 0.000
		TOTAL	down left	217 20	0.000 0.000	X Y Z	20 217	0.000 0.000 0.191
A108 A108 1 Stiff	Guide :RIGID	GR	down left	214 0	0.000 0.000	X Y Z	0 -214	0.000 0.000 0.000
		T1	up	9	0.000	X	1	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	1	0.000	Y Z	9	0.000 -0.189
		P1	up right	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.002
		SUM	down right	205 1	0.000 0.000	X Y Z	1 -205	0.000 0.000 -0.191
		RESP	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.000
		TOTAL	down left	205 2	0.000 0.000	X Y Z	2 205	0.000 0.000 0.191
A109 A109 1 Stiff	Guide :RIGID	GR	down right	225 A109 1	0.000 0.000	X Y Z	0	0.000 0.000 0.000
		T1	down left	32 5	0.000 0.000	X Y Z	-5 -32	0.000 0.000 -0.377
		P1	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.005
		SUM	down left	258 5	0.000 0.000	X Y Z	-5 -258	0.000 0.000 -0.382
		RESP	down left	0	0.000 0.000	X Y Z	2	0.000 0.000 0.000
		TOTAL	down left	258 7	0.000 0.000	X Y Z	7 258	0.000 0.000 0.382
A110 A110 1 Stiff	.Guide :RIGID	GR	down right	150 0	0.000 0.000	X Y Z	0 -150	0.000 0.000 0.000
		T1	up right	135 64	0.000 0.000	X Y	64 135	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL		Dirn	Force	Deform
			Dirn	Force	Dirn	Force			
							Z		-0.566
	P1	up	2	0.000	X	0	0	0.000	
		right	0	0.000	Y	2	0	0.000	
					Z				-0.007
	SUM	down	12	0.000	X	64	0	0.000	
		right	64	0.000	Y	-12	0	0.000	
					Z				-0.573
	RESP	down	0	0.000	X	24	0	0.000	
		left	24	0.000	Y	0	0	0.000	
					Z				0.000
	TOTAL	down	13	0.000	X	89	0	0.000	
		left	89	0.000	Y	13	0	0.000	
					Z				0.573
A112	GR	down	124	0.000	X	0	0	0.000	
A112 1		left	0	0.000	Y	-124	0	0.000	
Stiff					Z				-8
									0.000
	T1	down	163	0.000	X	-108	0	0.000	
		left	108	0.000	Y	-163	0	0.042	
					Z				-11
									-0.635
	P1	down	2	0.000	X	-1	0	0.000	
		left	1	0.000	Y	-2	0	0.001	
					Z				-0.008
	SUM	down	289	0.000	X	-109	0	0.000	
		left	109	0.000	Y	-289	0	0.042	
					Z				-19
									-0.643
	RESP	down	0	0.000	X	54	0	0.000	
		left	54	0.000	Y	0	0	0.000	
					Z				0.000
	TOTAL	down	289	0.000	X	163	0	0.000	
		left	163	0.000	Y	289	0	0.042	
					Z				19
									0.643
	GR	down	198	0.000	X	0	0	0.000	
		right	0	0.000	Y	-198	0	0.000	
					Z				-13
									0.000
	T1	up	58	0.000	X	133	-0	0.064	
		right	133	0.000	Y	58	0	0.053	
					Z				4
									-0.804

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL		Dirn	Force	Deform
			Dirn	Force	Dirn	Force			
	P1	up	1	0.000	X	1	0	0.000	
		right	1	0.000	Y	1	0	0.001	
					Z				0
									-0.010
	SUM	down	139	0.000	X	135	0	0.000	
		right	135	0.000	Y	-139	0	0.053	
					Z				-9
									-0.814
	RESP	down	1	0.000	X	138	0	0.000	
		left	138	0.000	Y	1	0	0.000	
					Z				0
	TOTAL	down	140	0.000	X	273	0	0.064	
		left	273	0.000	Y	140	0	0.053	
					Z				9
									0.814
I113	GR	down	213	0.000	X	0	0	0.000	
I113 1		left	0	0.000	Y	-212	0	0.000	
Stiff					Z				-14
									0.000
	T1	down	42	0.000	X	-303	-0	0.077	
		left	303	0.000	Y	-42	0	0.064	
					Z				-3
									-0.973
	P1	down	1	0.000	X	-4	0	0.000	
		left	4	0.000	Y	-1	0	0.001	
					Z				0
									-0.013
	SUM	down	255	0.000	X	-308	-0	0.077	
		left	308	0.000	Y	-255	0	0.065	
					Z				-17
									-0.986
	RESP	down	3	0.000	X	219	0	0.000	
		left	219	0.000	Y	3	0	0.000	
					Z				0
	TOTAL	down	258	0.000	X	527	0	0.077	
		left	527	0.000	Y	258	0	0.065	
					Z				17
									0.986
A113	GR	back	116	0.000	X	Y			0.001
A113 1					Y	-116	0	0.000	
Stiff					Z				0.000
									0.000
	T1	forw	27	0.000	X	Z			-0.183
					Y	27	0	0.000	
					Z				-1.148
									0.000
	P1	forw	0	0.000	X				-0.002

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		Dirn	GLOBAL	
				Force	Deform		Force	Deform
						Y	0	0.000
						Z		-0.015
	SUM	back	89	0.000	X			-0.184
					Y	-89		0.000
					Z			-1.163
	RESP	back	9	0.000	X			0.537
					Y	9		0.000
					Z			0.000
	TOTAL	back	99	0.000	X			0.721
					Y	99		0.000
					Z			1.163
A115 A115 1 Stiff	Inclined :RIGID	GR	back	189	0.000	X		0.001
					Y	-189		0.000
					Z			0.001
	T1	back	3	0.000	X			0.146
					Y	-3		0.000
					Z			-0.806
	P1	back	0	0.000	X			0.002
					Y	0		0.000
					Z			-0.011
	SUM	back	192	0.000	X			0.150
					Y	-192		0.000
					Z			-0.816
	RESP	back	6	0.000	X			0.712
					Y	6		0.000
					Z			0.142
	TOTAL	back	198	0.000	X			0.862
					Y	198		0.000
					Z			0.958
A116 A116 1 Stiff	Inclined :RIGID	GR	back	165	0.000	X		0.001
					Y	-165		0.000
					Z			0.000
	T1	forw	23	0.000	X			0.337
					Y	23		0.000
					Z			1.197
	P1	forw	0	0.000	X			0.005
					Y	0		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		Dirn	GLOBAL	
				Force	Deform		Force	Deform
						Y		
						Z		0.016
	SUM	back	141	0.000	X			0.342
					Y	-141		0.000
					Z			1.213
	RESP	back	3	0.000	X			0.712
					Y	3		0.000
					Z			0.126
	TOTAL	back	144	0.000	X			1.055
					Y	144		0.000
					Z			1.339
A118 A118 1 Stiff	Inclined :RIGID	GR	back	154	0.000	X		0.001
					Y	-154		0.000
					Z			0.000
	T1	back	11	0.000	X			0.606
					Y	-11		0.000
					Z			1.490
	P1	back	0	0.000	X			0.008
					Y	0		0.000
					Z			0.019
	SUM	back	165	0.000	X			0.615
					Y	-165		0.000
					Z			1.509
	RESP	back	1	0.000	X			0.564
					Y	1		0.000
					Z			0.000
	TOTAL	back	167	0.000	X			1.179
					Y	167		0.000
					Z			1.510
A119 A119 1 Stiff	Guide :RIGID	GR	down right	265 0	0.000 0.000	X Y		0.000
					Z	-265		0.000
					X			0.000
	T1	up right	1 320	0.000 0.000	X Y		320	0.078
					Z		1	0.000
					Y			1.278
	P1	up right	0 4	0.000 0.000	X Y		4	0.000
					Z		0	0.000
					X			0.017

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
		SUM	down right	264 324	0.000 0.000	X Y Z	324 -264 1.295	0.078 0.000 0.000
		RESP	down left	0 122	0.000 0.000	X Y Z	122 0 0.000	0.000 0.000 0.000
		TOTAL	down left	264 446	0.000 0.000	X Y Z	446 264 1.295	0.078 0.000 1.295
A120 A120 1 Stiff	Guide :RIGID	GR	down left	239 0	0.000 0.000	X Y Z	0 -239 0.000	0.000 0.000 0.000
		T1	down left	0 138	0.000 0.000	X Y Z	-138 0 1.065	0.065 0.000 1.065
		P1	down left	0 2	0.000 0.000	X Y Z	-2 0 0.014	0.000 0.000 0.014
		SUM	down left	239 140	0.000 0.000	X Y Z	-140 -239 1.079	0.065 0.000 1.079
		RESP	down left	0 .74	0.000 0.000	X Y Z	74 0 0.000	0.000 0.000 0.000
		TOTAL	down left	239 214	0.000 0.000	X Y Z	214 239 1.079	0.065 0.000 1.079
A121 A121 1 Stiff	Guide :RIGID	GR	down right	246 0	0.000 0.000	X Y Z	0 -246 0.000	0.000 0.000 0.000
		T1	up right	0 51	0.000 0.000	X Y Z	51 0 0.852	0.000 0.000 0.852
		P1	up right	0 0	0.000 0.000	X Y Z	0 0 0.011	0.000 0.000 0.011
		SUM	down	246	0.000	X	52	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	52	0.000	Y Z	-246	0.000 0.863
		RESP	down left	0 20	0.000 0.000	X Y Z	20 0 0.000	0.000 0.000 0.000
		TOTAL	down left	246 71	0.000 0.000	X Y Z	71 246 0.864	0.000 0.000 0.864
A122 A122 1 Stiff	Guide :RIGID	GR	down left	244 0	0.000 0.000	X Y Z	0 -244 0.000	0.000 0.000 0.000
		T1	down left	0 18	0.000 0.000	X Y Z	-18 0 0.639	0.000 0.000 0.639
		P1	down left	0 0	0.000 0.000	X Y Z	0 0 0.008	0.000 0.000 0.008
		SUM	down left	244 19	0.000 0.000	X Y Z	-19 -244 0.648	0.000 0.000 0.648
		RESP	down left	0 5	0.000 0.000	X Y Z	5 0 0.000	0.000 0.000 0.000
		TOTAL	down left	244 24	0.000 0.000	X Y Z	24 244 0.648	0.000 0.000 0.648
A123 A123 1 Stiff	Guide :RIGID	GR	down right	244 0	0.000 0.000	X Y Z	0 -244 0.000	0.000 0.000 0.000
		T1	up right	0 5	0.000 0.000	X Y Z	5 0 0.426	0.000 0.000 0.426
		P1	down right	0	0.000	X Y Z	0	0.000 0.000 0.006
		SUM	down right	244 5	0.000 0.000	X Y	5 -244	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		0.432
		RESP	down	0	0.000	X	1	0.000
			left	1	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	244	0.000	X	6	0.000
			left	6	0.000	Y	244	0.000
						Z		0.432
A124		GR	down	244	0.000	X	0	0.000
A124 1	Guide		left	0	0.000	Y	-244	0.000
Stiff	:RIGID					Z		0.000
		T1	down	0	0.000	X	-1	0.000
			left	1	0.000	Y	0	0.000
						Z		0.213
		P1	down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.003
		SUM	down	244	0.000	X	-1	0.000
			left	1	0.000	Y	-244	0.000
						Z		0.216
		RESP	down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	244	0.000	X	2	0.000
			left	2	0.000	Y	244	0.000
						Z		0.216
A126		GR	down	244	0.000	X	0	0.000
A126 1	Guide		left	0	0.000	Y	-244	0.000
Stiff	:RIGID					Z		0.000
		T1	up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		-0.213
		P1	up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		-0.003
		SUM	down	244	0.000	X	0	0.000
			left	0	0.000	Y	-244	0.000
						Z		-0.216

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						X	0	0.000
		RESP	down	0	0.000	Y	0	0.000
			left	0	0.000	Z		0.000
		TOTAL	down	244	0.000	X	1	0.000
			left	1	0.000	Y	244	0.000
						Z		0.216
A127		GR	down	244	0.000	X	0	0.000
A127 1	Guide		right	0	0.000	Y	-244	0.000
Stiff	:RIGID					Z		0.000
		T1	down	0	0.000	X	2	0.000
			right	2	0.000	Y	0	0.000
						Z		-0.426
		P1	down	0	0.000	X	0	0.000
			right	0	0.000	Y	0	0.000
						Z		-0.006
		SUM	down	244	0.000	X	2	0.000
			right	2	0.000	Y	-244	0.000
						Z		-0.431
		RESP	down	0	0.000	X	2	0.000
			left	2	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	244	0.000	X	3	0.000
			left	3	0.000	Y	244	0.000
						Z		0.431
A128		GR	down	244	0.000	X	0	0.000
A128 1	Guide		left	0	0.000	Y	-244	0.000
Stiff	:RIGID					Z		0.000
		T1	up	0	0.000	X	-6	0.000
			left	6	0.000	Y	0	0.000
						Z		-0.638
		P1	up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		-0.008
		SUM	down	244	0.000	X	-7	0.000
			left	7	0.000	Y	-244	0.000
						Z		-0.647
		RESP	down	0	0.000	X	6	0.000

10/1/96

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	6	0.000	Y	0	0.000
						Z	0	0.000
		TOTAL	down	244	0.000	X	13	0.000
			left	13	0.000	Y	244	0.000
						Z	0.647	
A129	Guide	GR	down	245	0.000	X	0	0.000
A129 1	:RIGID		right	0	0.000	Y	-245	0.000
						Z	0.000	
		T1	down	0	0.000	X	24	0.000
			right	24	0.000	Y	0	0.000
						Z	-0.851	
		P1	down	0	0.000	X	0	0.000
			right	0	0.000	Y	0	0.000
						Z	-0.011	
		SUM	down	246	0.000	X	24	0.000
			right	24	0.000	Y	-246	0.000
						Z	-0.862	
		RESP	down	0	0.000	X	24	0.000
			left	24	0.000	Y	0	0.000
						Z	0.000	
		TOTAL	down	246	0.000	X	48	0.000
			left	48	0.000	Y	246	0.000
						Z	0.862	
A130	Guide	GR	down	240	0.000	X	0	0.000
A130 1	:RIGID		left	0	0.000	Y	-240	0.000
						Z	0.000	
		T1	up	2	0.000	X	-108	0.000
			left	108	0.000	Y	2	0.000
						Z	-1.064	
		P1	up	0	0.000	X	-2	0.000
			left	2	0.000	Y	0	0.000
						Z	-0.014	
		SUM	down	238	0.000	X	-110	0.000
			left	110	0.000	Y	-238	0.000
						Z	-1.078	
		RESP	down	0	0.000	X	89	0.000
			left	89	0.000	Y	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		0.000
		TOTAL	down	238	0.000	X	199	0.000
			left	199	0.000	Y	238	0.000
						Z		1.078
A131	Guide	GR	down	260	0.000	X	0	0.000
A131 1	:RIGID		right	0	0.000	Y	-260	0.000
						Z	0.000	
		T1	down	7	0.000	X	349	0.068
			right	349	0.000	Y	-7	0.000
						Z		-1.277
		P1	down	0	0.000	X	5	0.000
			right	5	0.000	Y	0	0.000
						Z		-0.017
		SUM	down	267	0.000	X	354	0.068
			right	354	0.000	Y	-267	0.000
						Z		-1.293
		RESP	down	0	0.000	X	153	0.000
			left	153	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	267	0.000	X	508	0.068
			left	508	0.000	Y	267	0.000
						Z		1.293
A132	Inclined	GR	back	171	0.000	X	0	0.000
A132 1	:RIGID					Y	-171	0.000
						Z	0.000	
		T1	back	63	0.000	X		0.502
						Y	-63	0.000
						Z		-1.488
		P1	back	1	0.000	X		0.007
						Y	-1	0.000
						Z		-0.019
		SUM	back	235	0.000	X		0.509
						Y	-235	0.000
						Z		-1.508
		RESP	back	3	0.000	X		0.661
						Y	3	0.000
						Z		0.000

UNSAFE

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		Dirn	GLOBAL	
				Force	Deform		Force	Deform
		TOTAL	back	238	0.000	X	1.170	
						Y	238	0.000
						Z		1.508
A134		GR	back	130	0.000	X	-0.001	
A134 1	Inclined					Y	-130	0.000
Stiff	:RIGID					Z		0.001
		T1	forw	80	0.000	X	0.072	
						Y	80	0.000
						Z		-0.998
		P1	forw	1	0.000	X	0.001	
						Y	1	0.000
						Z		-0.013
		SUM	back	49	0.000	X	0.072	
						Y	-49	0.000
						Z		-1.010
		RESP	back	3	0.000	X	0.816	
						Y	3	0.000
						Z		0.123
		TOTAL	back	52	0.000	X	0.888	
						Y	52	0.000
						Z		1.133
1134		GR	back	130	0.000	X	-0.001	
1134 1	Inclined					Y	-130	0.000
Stiff	:RIGID					Z		0.001
		T1	back	81	0.000	X	-0.074	
						Y	-81	0.000
						Z		0.998
		P1	back	1	0.000	X	-0.001	
						Y	-1	0.000
						Z		0.013
		SUM	back	212	0.000	X	-0.075	
						Y	-212	0.000
						Z		1.012
		RESP	back	3	0.000	X	0.816	
						Y	3	0.000
						Z		0.123
		TOTAL	back	215	0.000	X	0.892	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		Dirn	GLOBAL	
				Force	Deform		Force	Deform
		TOTAL	back			Y	215	0.000
						Z		1.135
A136		GR	back	171	0.000	X	0	0.000
A136 1	Inclined					Y	-171	0.000
Stiff	:RIGID					Z		0.000
		T1	forw	63	0.000	X	0	0.000
						Y	63	0.000
						Z		1.488
		P1	forw	1	0.000	X	-0.007	
						Y	1	0.000
						Z		0.019
		SUM	back	107	0.000	X	-0.510	
						Y	-107	0.000
						Z		1.508
		RESP	back	3	0.000	X	0.661	
						Y	3	0.000
						Z		0.000
		TOTAL	back	110	0.000	X	1.171	
						Y	110	0.000
						Z		1.508
A137		GR	down	260	0.000	X	0	0.000
A137 1	Guide		right	0	0.000	Y	-260	0.000
Stiff	:RIGID					Z		0.000
		T1	up	7	0.000	X	-350	-0.068
			left	350	0.000	Y	7	0.000
						Z		1.277
		P1	up	0	0.000	X	-5	0.000
			left	5	0.000	Y	0	0.000
						Z		0.017
		SUM	down	253	0.000	X	-355	-0.068
			left	355	0.000	Y	-253	0.000
						Z		1.293
		RESP	down	0	0.000	X	153	0.000
			left	153	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	253	0.000	X	508	0.068
			left	508	0.000	Y	253	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		1.293
A138 A138 1 Stiff	Guide :RIGID	GR	down	240	0.000	X	0	0.000
			left	0	0.000	Y	-240	0.000
						Z		0.000
	T1	down	right	2	0.000	X	108	0.000
				108	0.000	Y	-2	0.000
					Z		1.064	
	P1	down	right	0	0.000	X	2	0.000
				2	0.000	Y	0	0.000
					Z		0.014	
	SUM	down	right	242	0.000	X	110	0.000
				110	0.000	Y	-242	0.000
					Z		1.078	
	RESP	down	left	0	0.000	X	89	0.000
				89	0.000	Y	0	0.000
					Z		0.000	
TOTAL	down	left	242	0.000	X	199	0.000	
			199	0.000	Y	242	0.000	
				Z		1.078		
A139 A139 1 Stiff	Guide :RIGID	GR	down	245	0.000	X	0	0.000
			right	0	0.000	Y	-245	0.000
					Z		0.000	
	T1	up	left	0	0.000	X	-24	0.000
				24	0.000	Y	0	0.000
					Z		0.851	
	P1	up	left	0	0.000	X	0	0.000
				0	0.000	Y	0	0.000
					Z		0.011	
	SUM	down	left	245	0.000	X	-24	0.000
				24	0.000	Y	-245	0.000
					Z		0.862	
	RESP	down	left	0	0.000	X	24	0.000
				24	0.000	Y	0	0.000
					Z		0.000	
TOTAL	down	left	245	0.000	X	48	0.000	
			48	0.000	Y	245	0.000	
				Z		0.862		

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A140 A140 1 Stiff	Guide :RIGID	GR	down	244	0.000	X	0	0.000
			left	0	0.000	Y	-244	0.000
					Z		0.000	
	T1	down	right	0	0.000	X	6	0.000
				6	0.000	Y	0	0.000
					Z		0.638	
	P1	down	right	0	0.000	X	0	0.000
				0	0.000	Y	0	0.000
					Z		0.008	
	SUM	down	right	244	0.000	X	7	0.000
				7	0.000	Y	-244	0.000
					Z		0.647	
	RESP	down	left	0	0.000	X	6	0.000
				6	0.000	Y	0	0.000
					Z		0.000	
TOTAL	down	left	244	0.000	X	13	0.000	
			13	0.000	Y	244	0.000	
				Z		0.647		
A141 A141 1 Stiff	Guide :RIGID	GR	down	244	0.000	X	0	0.000
			right	0	0.000	Y	-244	0.000
					Z		0.000	
	T1	up	left	0	0.000	X	-2	0.000
				2	0.000	Y	0	0.000
					Z		0.426	
	P1	up	left	0	0.000	X	0	0.000
				0	0.000	Y	0	0.000
					Z		0.006	
	SUM	down	left	244	0.000	X	-2	0.000
				2	0.000	Y	-244	0.000
					Z		0.431	
	RESP	down	left	0	0.000	X	2	0.000
				2	0.000	Y	0	0.000
					Z		0.000	
TOTAL	down	left	244	0.000	X	3	0.000	
			3	0.000	Y	244	0.000	
				Z		0.431		
A142	GR	down	244	0.000	X	0	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
A142 1 Stiff	Guide :RIGID		left	0	0.000	Y Z	-244	0.000 0.000
	T1	down right	0	0.000	X Y Z	0	0.000 0.000 0.213	
	P1	down right	0	0.000	X Y Z	0	0.000 0.000 0.003	
	SUM	down right	244	0.000	X Y Z	0	0.000 -244 0.000 0.216	
	RESP	down left	0	0.000	X Y Z	0	0.000 0.000 0.000	
	TOTAL	down left	244	0.000	X Y Z	1	0.000 0.000 0.216	
A144 A144 1 Stiff	Guide :RIGID		down left	244	0.000	X Y Z	-244	0.000 0.000 0.000
	T1	down left	13	0.000	X Y Z	-13	0.000 0.000 -0.213	
	P1	down left	0	0.000	X Y Z	0	0.000 0.000 -0.003	
	SUM	down left	244	0.000	X Y Z	-13	0.000 -244 0.000 -0.216	
	RESP	down left	0	0.000	X Y Z	0	0.000 0.000 0.000	
	TOTAL	down left	244	0.000	X Y Z	13	0.000 244 0.000 0.216	
A145 A145 1	Guide :RIGID		down left	244	0.000	X Y	0.000 -244	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
A146 A146 1 Stiff	Guide :RIGID					Z		0.000
	T1	down right	25	0.000	X Y Z	25	0.000 0.000 -0.426	
	P1	down right	0	0.000	X Y Z	0	0.000 0.000 -0.006	
	SUM	down right	244	0.000	X Y Z	25	0.000 -244 0.000 -0.432	
	RESP	down left	1	0.000	X Y Z	1	0.000 0.000 0.000	
	TOTAL	down left	244	0.000	X Y Z	26	0.000 244 0.000 0.432	
	GR	down left	244	0.000	X Y Z	-244	0.000 0.000 0.000	
	T1	down left	30	0.000	X Y Z	-30	0.079 0.000 -0.639	
	P1	down left	0	0.000	X Y Z	0	0.000 0.000 -0.008	
	SUM	down left	244	0.000	X Y Z	-30	0.079 -244 0.000 -0.648	
	RESP	down left	4	0.000	X Y Z	4	0.000 0.000 0.000	
	TOTAL	down left	244	0.000	X Y Z	34	0.079 244 0.000 0.648	
A147 A147 1 Stiff	Guide :RIGID		down left	246	0.000	X Y Z	-246	0.000 0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL			
			Dirn	Force	Dirn	Force	Deform	
T1		down right		0.000	X	46	0.106	
				46	0.000	Y		0.000
						Z		-0.852
P1		down right		0.000	X	1	0.000	
				1	0.000	Y		0.000
						Z		-0.011
SUM		down right		0.000	X	47	0.106	
				47	0.000	Y		-246
						Z		-0.864
RESP		down left		0.000	X	14	0.000	
				14	0.000	Y		0.000
						Z		0.000
TOTAL		down left		0.000	X	61	0.106	
				61	0.000	Y		-246
						Z		0.864
A148 A148 1 Stiff	Guide :RIGID	down left		0.000	X		0.000	
				239	0.000	Y		-239
						Z		0.000
T1		down left		0.000	X	-142	0.132	
				142	0.000	Y		0.000
						Z		-1.066
P1		down left		0.000	X	-2	0.000	
				2	0.000	Y		0.000
						Z		-0.014
SUM		down left		0.000	X	-144	0.132	
				144	0.000	Y		-239
						Z		-1.079
RESP		down left		0.000	X	53	0.000	
				53	0.000	Y		0.000
						Z		0.000
TOTAL		down left		0.000	X	197	0.132	
				239	0.000	Y		239
						Z		1.080
A149 A149 1 Stiff	Guide :RIGID	down left		0.000	X		0.000	
				265	0.000	Y		-265
						Z		0.000
T1		down		0.000	X	314	0.158	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL			
			Dirn	Force	Dirn	Force	Deform	
		down right		0.000	X	314	0.000	
						Y		0.000
						Z		-1.279
P1		down right		0.000	X	5	0.000	
				5	0.000	Y		0.000
						Z		-0.017
SUM		down right		0.000	X	265	0.000	
				319	0.000	Y		319
						Z		-265
RESP		down left		0.000	X	98	0.000	
				98	0.000	Y		0.000
						Z		0.000
TOTAL		down left		0.000	X	417	0.158	
				265	0.000	Y		265
						Z		1.296
A150 A150 1 Stiff	Inclined :RIGID	back		0.000	X		0.000	
				161	0.000	Y		-161
						Z		0.000
T1		back		0.000	X		0.955	
						Y		0.000
						Z		-1.491
P1		back		0.000	X		0.012	
						Y		0.000
						Z		-0.019
SUM		back		0.000	X	161	0.000	
						Y		0.000
						Z		-1.510
RESP		back		0.000	X		0.374	
						Y		0.000
						Z		0.000
TOTAL		back		0.000	X	161	1.342	
						Y		161
						Z		1.510
A152 A152 1 Stiff	Inclined :RIGID	back		0.000	X		0.000	
				150	0.000	Y		-150
						Z		0.000
T1		back		0.000	X		0.847	
						Y		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL	
			Dirn	Force	Dirn	Deform
					Z	-1.382
	P1	back		0.000	X	0.011
					Y	0.000
					Z	-0.018
	SUM	back	150	0.000	X	0.858
					Y	0.000
					Z	-1.400
	RESP	back		0.000	X	0.444
					Y	0.000
					Z	0.049
	TOTAL	back	150	0.000	X	1.302
					Y	0.000
					Z	1.449
A153 A153 1 Stiff	Guide :RIGID	GR	down left	251 0.000	X Y Z	0.000 0.000 -251 0.000
		T1	down right	416 0.000	X Y Z	0.647 0.000 -416 -0.126
		P1	down right	7 0.000	X Y Z	0.008 0.000 -7 0.000
		SUM	down right	251 423 0.000	X Y Z	0.655 0.000 -251 -423 -0.126
		RESP	down left	72 0.000	X Y Z	0.444 0.000 72 0.000
		TOTAL	down left	251 495 0.000	X Y Z	1.099 0.000 251 495 0.126
A155 A155 1 Stiff	Guide :RIGID	GR	down left	230 0.000	X Y Z	0.000 0.000 -230 0.000
		T1	down left	266 0.000	X Y Z	0.446 0.000 266 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL	
			Dirn	Force	Dirn	Force
		P1	down left	4 0.000	X Y Z	0.006 0.000 4 0.000
		SUM	down left	230 270 0.000	X Y Z	0.452 0.000 -230 270 0.000
		RESP	down left	206 0.000	X Y Z	0.444 0.000 206 0.000
		TOTAL	down left	230 476 0.000	X Y Z	0.896 0.000 230 476 0.000
A156 A156 1 Stiff	Inclined :RIGID	GR	back	196 0.000	X Y Z	0.000 0.000 -196 0.000
		T1	back	0.000	X Y Z	0.268 0.000 0.120
		P1	back	0.000	X Y Z	0.003 0.000 0.001
		SUM	back	196 0.000	X Y Z	0.251 0.000 -196 0.121
		RESP	back	0.000	X Y Z	0.443 0.000 0.520
		TOTAL	back	196 0.000	X Y Z	0.694 0.000 196 0.641
A159 A158 1 Stiff	Inclined :RIGID	GR	back	103 0.000	X Y Z	0.000 0.000 -103 0.000
		T1	back	0.000	X Y Z	0.349 0.000 -0.025
		P1	back	0.000	X	0.005

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL Force	Deform	Dirn	GLOBAL Force	Deform
						Y		0.000
						Z		-0.001
	SUM	back		103	0.000	X		0.354
						Y	-103	0.000
						Z		-0.026
	RESP	back			0.000	X		0.193
						Y		0.000
						Z		0.553
	TOTAL	back		103	0.000	X		0.546
						Y	103	0.000
						Z		0.579
A161 A161 1 Stiff	Inclined :RIGID	GR	back	146	0.000	X		0.000
						Y	-146	0.000
						Z		0.000
	T1	back			0.000	X		0.384
						Y		0.000
						Z		-0.137
	P1	back			0.000	X		0.005
						Y		0.000
						Z		-0.002
	SUM	back		146	0.000	X		0.389
						Y	-146	0.000
						Z		-0.139
	RESP	back			0.000	X		0.001
						Y		0.000
						Z		0.413
	TOTAL	back		146	0.000	X		0.390
						Y	146	0.000
						Z		0.552
A162 A162 1 Stiff	Guide :RIGID	GR	down left	230 0.000	0.000	X		0.000
						Y	-230	0.000
						Z		0.000
	T1	down right		0.000 0.000		X		0.216
				131	0.000	Y		0.000
						Z	-131	0.000
	P1	down right		0.000 0.000		X		0.003
				2	0.000	Y		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL Force	Deform	Dirn	GLOBAL Force	Deform
						Z		-2
						X		0.219
	SUM	down right		230 133	0.000 0.000	Y	-230	0.000
						Z		-133
	RESP	down left		205 0.000	0.000 0.000	X		0.000
						Y		0.000
						Z	205	0.000
	TOTAL	down left		230 338	0.000 0.000	X		0.219
						Y	230	0.000
						Z	338	0.000
A164 A164 1 Stiff	Guide :RIGID	GR	down left	197 0.000	0.000 0.000	X		0.000
						Y	-197	0.000
						Z		0.000
	T1	down right		407 0.000	0.000 0.000	X		-0.215
						Y		0.000
						Z	-407	0.000
	P1	down right		6 0.000	0.000 0.000	X		-0.003
						Y		0.000
						Z	-6	0.000
	SUM	down right		197 412	0.000 0.000	X		-0.218
						Y	-197	0.000
						Z	-412	0.000
	RESP	down left		0 0.000	0.000 0.000	X		0.000
						Y		0.000
						Z	0	0.000
	TOTAL	down left		197 412	0.000 0.000	X		0.218
						Y	197	0.000
						Z	412	0.000
A165 A165 1 Stiff	Inclined :RIGID	GR	back	143	0.000	X		0.000
						Y	-143	0.000
						Z		0.000
	T1	back			0.000	X		-0.345
						Y		0.000
						Z		-0.293
	P1	back			0.000	X		-0.004
						Y		0.000
						Z		-0.004

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		SUM	back	143	0.000	X Y Z	-143	-0.369 0.000 -0.297
		RESP	back		0.000	X Y Z		0.000 0.000 0.000
		TOTAL	back	143	0.000	X Y Z	143	0.369 0.000 0.297
A168 A167 1 Stiff	Inclined :RIGID	GR	back	129	0.000	X Y Z	-129	0.000 0.000 0.000
		T1	back		0.000	X Y Z		-0.046 0.000 -0.119
		P1	back		0.000	X Y Z		-0.001 0.000 -0.002
		SUM	back	129	0.000	X Y Z	-129	-0.047 0.000 -0.120
		RESP	back		0.000	X Y Z		0.000 0.000 0.000
		TOTAL	back	129	0.000	X Y Z	129	0.047 0.000 0.120
A170 A170 1 Stiff	Inclined :RIGID	GR	back	109	0.000	X Y Z	-109	0.000 0.000 0.000
		T1	back		0.000	X Y Z		0.118 0.000 0.070
		P1	back		0.000	X Y Z		0.002 0.000 0.001
		SUM	back	109	0.000	X		0.119

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						X Y Z	-109	0.000 0.000 0.071
		RESP	back		0.000	X Y Z		0.000 0.000 0.000
		TOTAL	back	109	0.000	X Y Z	109	0.119 0.000 0.071

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A00	Anchor								
	GR	0	156	0	156	223	0	-437	490
	T1	977	0	-557	1125	0	-1299	0	1299
	P1	13	0	-7	15	0	-17	0	17
	SUM	990	156	-564	1150	223	-1317	-437	1405
	RESP	57	0	74	94	0	173	0	173
	TOTAL	1047	156	638	1236	223	1490	437	1568
A01	Guide								
	GR	0	-514	0	514	0	0	0	0
	T1	0	0	1067	1067	0	0	0	0
	P1	0	0	14	14	0	0	0	0
	SUM	0	-514	1081	1197	0	0	0	0
	RESP	0	0	137	137	0	0	0	0
	TOTAL	0	514	1218	1322	0	0	0	0
A05	Guide								
	GR	0	-399	0	399	0	0	0	0
	T1	-427	0	427	603	0	0	0	0
	P1	-6	0	6	8	0	0	0	0
	SUM	-432	-399	432	730	0	0	0	0
	RESP	10	0	10	14	0	0	0	0
	TOTAL	443	399	443	742	0	0	0	0
A06	Guide								
	GR	0	-167	0	167	0	0	0	0
	T1	533	0	-533	753	0	0	0	0
	P1	7	0	-7	10	0	0	0	0
	SUM	540	-167	-540	781	0	0	0	0
	RESP	53	0	53	75	0	0	0	0
	TOTAL	593	167	593	855	0	0	0	0
A07	Inclined								
	GR	0	-143	0	143	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-143	0	143	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	143	0	143	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A10	Inclined								
	GR	0	-137	0	137	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-137	0	137	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	137	0	137	0	0	0	0
A12	Inclined								
	GR	0	-112	0	112	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-112	0	112	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	112	0	112	0	0	0	0
A13	Guide								
	GR	0	-176	0	176	0	0	0	0
	T1	-407	0	407	576	0	0	0	0
	P1	-5	0	5	8	0	0	0	0
	SUM	-413	-176	413	610	0	0	0	0
	RESP	59	0	59	84	0	0	0	0
	TOTAL	472	176	472	691	0	0	0	0
A14	Guide								
	GR	0	-219	0	219	0	0	0	0
	T1	86	0	-86	121	0	0	0	0
	P1	1	0	-1	2	0	0	0	0
	SUM	87	-219	-87	251	0	0	0	0
	RESP	32	0	32	45	0	0	0	0
	TOTAL	119	219	119	276	0	0	0	0
A15	Guide								
	GR	0	-210	0	210	0	0	0	0
	T1	-23	0	23	32	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-23	-210	23	213	0	0	0	0
	RESP	9	0	9	12	0	0	0	0
	TOTAL	32	210	32	215	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A16	Guide								
	GR	0	-213	0	213	0	0	0	0
	T1	7	0	-7	9	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	7	-213	-7	213	0	0	0	0
	RESP	2	0	2	3	0	0	0	0
TOTAL	9	213	9	213	0	0	0	0	
A17	Anchor								
	GR	35	-212	35	217	3	0	2	4
	T1	-272	0	-267	381	0	-2	0	2
	P1	-4	0	-4	5	0	0	0	0
	SUM	-241	-212	-235	398	2	-2	2	4
	RESP	167	0	168	238	1	6	1	6
TOTAL	409	212	404	612	3	8	3	9	
A18	Guide								
	GR	0	-213	0	213	0	0	0	0
	T1	5	0	-5	7	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	5	-212	-5	213	0	0	0	0
	RESP	3	0	3	4	0	0	0	0
TOTAL	8	213	8	213	0	0	0	0	
A19	Guide								
	GR	-1	-210	1	210	0	0	0	0
	T1	-18	0	18	25	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-19	-210	19	212	0	0	0	0
	RESP	11	0	11	15	0	0	0	0
TOTAL	30	210	30	215	0	0	0	0	
A20	Guide								
	GR	4	-220	-4	220	0	0	0	0
	T1	65	2	-65	93	0	0	0	0
	P1	1	0	-1	1	0	0	0	0
	SUM	70	-219	-70	240	0	0	0	0
	RESP	41	1	41	58	0	0	0	0
TOTAL	111	220	111	270	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A21	Guide								
	GR	-19	-169	19	171	0	0	0	0
	T1	-278	-11	278	393	0	0	0	0
	P1	-4	0	4	5	0	0	0	0
	SUM	-301	-179	301	461	0	0	0	0
	RESP	118	9	118	167	0	0	0	0
TOTAL	419	188	419	621	0	0	0	0	
A22	Inclined								
	GR	0	-135	0	135	0	0	0	0
	T1	0	32	0	32	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-103	0	103	0	0	0	0
	RESP	0	17	0	17	0	0	0	0
TOTAL	0	120	0	120	0	0	0	0	
A25	Inclined								
	GR	0	-122	0	122	0	0	0	0
	T1	0	-134	0	134	0	0	0	0
	P1	0	-2	0	2	0	0	0	0
	SUM	0	-258	0	258	0	0	0	0
	RESP	0	12	0	12	0	0	0	0
TOTAL	0	269	0	269	0	0	0	0	
A27	Inclined								
	GR	0	-125	0	125	0	0	0	0
	T1	0	56	0	56	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-68	0	68	0	0	0	0
	RESP	0	12	0	12	0	0	0	0
TOTAL	0	80	0	80	0	0	0	0	
A28	Guide								
	GR	4	-201	-37	205	0	0	0	0
	T1	319	-35	-325	457	0	0	0	0
	P1	4	0	-4	6	0	0	0	0
	SUM	328	-237	-366	546	0	0	0	0
	RESP	133	18	131	187	0	0	0	0
TOTAL	460	254	497	724	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A29	Guide								
	GR	-22	-234	-16	235	0	0	0	0
	T1	-194	39	200	282	0	0	0	0
	P1	-3	1	3	4	0	0	0	0
	SUM	-219	-194	187	348	0	0	0	0
	RESP	75	16	73	106	0	0	0	0
	TOTAL	293	210	261	445	0	0	0	0
A30	Guide								
	GR	-26	-195	-5	197	0	0	0	0
	T1	373	-65	-383	539	0	0	0	0
	P1	5	-1	-5	7	0	0	0	0
	SUM	352	-261	-394	589	0	0	0	0
	RESP	104	21	102	147	0	0	0	0
	TOTAL	456	282	496	730	0	0	0	0
A31	Inclined								
	GR	0	-139	0	139	0	0	0	0
	T1	0	61	0	61	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-77	0	77	0	0	0	0
	RESP	0	22	0	22	0	0	0	0
	TOTAL	0	99	0	99	0	0	0	0
A33	Inclined								
	GR	0	-86	0	86	0	0	0	0
	T1	0	-5	0	5	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-91	0	91	0	0	0	0
	RESP	0	21	0	21	0	0	0	0
	TOTAL	0	112	0	112	0	0	0	0
A34	Inclined								
	GR	0	-89	0	89	0	0	0	0
	T1	0	77	0	77	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-11	0	11	0	0	0	0
	RESP	0	25	0	25	0	0	0	0
	TOTAL	0	36	0	36	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A36	Inclined								
	GR	0	-140	0	140	0	0	0	0
	T1	0	-18	0	18	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-158	0	158	0	0	0	0
	RESP	0	5	0	5	0	0	0	0
	TOTAL	0	164	0	164	0	0	0	0
A37	Guide								
	GR	12	-199	-12	200	0	0	0	0
	T1	-375	1	375	530	0	0	0	0
	P1	-5	0	5	7	0	0	0	0
	SUM	-368	-199	368	557	0	0	0	0
	RESP	141	1	141	199	0	0	0	0
	TOTAL	509	199	509	747	0	0	0	0
A38	Guide								
	GR	-4	-215	4	215	0	0	0	0
	T1	130	0	-130	184	0	0	0	0
	P1	2	0	-2	2	0	0	0	0
	SUM	128	-215	-128	282	0	0	0	0
	RESP	72	0	72	102	0	0	0	0
	TOTAL	201	215	201	356	0	0	0	0
A39	Anchor								
	GR	17	-248	15	249	63	5	278	285
	T1	403	0	591	715	-1	162	-1	162
	P1	6	0	10	11	0	5	0	5
	SUM	426	-248	615	788	62	172	277	332
	RESP	82	10	73	111	26	101	85	135
	TOTAL	508	259	688	894	88	273	362	462
A40	Guide								
	GR	0	-62	0	62	0	0	0	0
	T1	293	0	-293	414	0	0	0	0
	P1	5	0	-5	7	0	0	0	0
	SUM	298	-62	-298	425	0	0	0	0
	RESP	0	42	0	42	0	0	0	0
	TOTAL	298	104	298	434	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A41	Guide								
	GR	0	-465	0	465	0	0	0	0
	T1	-660	0	660	934	0	0	0	0
	P1	-10	0	10	14	0	0	0	0
	SUM	-670	-465	670	1056	0	0	0	0
	RESP	0	68	0	68	0	0	0	0
	TOTAL	670	532	670	1087	0	0	0	0
A45	Guide								
	GR	0	-450	0	450	0	0	0	0
	T1	-807	0	0	807	0	0	0	0
	P1	-12	0	0	12	0	0	0	0
	SUM	-818	-450	0	934	0	0	0	0
	RESP	0	56	0	56	0	0	0	0
	TOTAL	818	507	0	963	0	0	0	0
A46	Guide								
	GR	0	-129	0	129	0	0	0	0
	T1	336	0	0	336	0	0	0	0
	P1	5	0	0	5	0	0	0	0
	SUM	341	-129	0	365	0	0	0	0
	RESP	0	31	0	31	0	0	0	0
	TOTAL	341	160	0	377	0	0	0	0
A47	Guide								
	GR	0	-262	0	262	0	0	0	0
	T1	-74	0	0	74	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	-75	-262	0	273	0	0	0	0
	RESP	0	8	0	8	0	0	0	0
	TOTAL	75	271	0	281	0	0	0	0
A48	Guide								
	GR	0	-214	0	214	0	0	0	0
	T1	1	0	0	1	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	2	-214	0	214	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	2	217	0	217	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A49	Anchor								
	GR	0	-228	0	228	12	0	144	145
	T1	5	0	-824	824	0	29	0	29
	P1	0	0	-13	13	0	0	0	0
	SUM	5	-228	-837	868	12	29	144	148
	RESP	0	1	3	3	3	2	45	45
	TOTAL	5	229	840	871	15	30	190	193
A50	Guide								
	GR	0	-225	0	225	0	0	0	0
	T1	3	0	0	3	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	4	-225	0	225	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	5	225	0	225	0	0	0	0
A51	Guide								
	GR	0	-225	0	225	0	0	0	0
	T1	-12	0	0	12	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-12	-225	0	225	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	19	225	0	226	0	0	0	0
A52	Guide								
	GR	0	-227	0	227	0	0	0	0
	T1	46	0	0	46	0	0	0	0
	P1	-1	0	0	-1	0	0	0	0
	SUM	46	-227	0	231	0	0	0	0
	RESP	23	0	0	23	0	0	0	0
	TOTAL	69	227	0	237	0	0	0	0
A53	Guide								
	GR	0	-220	0	220	0	0	0	0
	T1	-172	0	0	172	0	0	0	0
	P1	-2	0	0	2	0	0	0	0
	SUM	-174	-220	0	280	0	0	0	0
	RESP	87	0	0	87	0	0	0	0
	TOTAL	261	220	0	341	0	0	0	0

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RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
I53	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	465	0	0	465	0	0	0	0
	P1	6	0	0	6	0	0	0	0
	SUM	471	-244	0	531	0	0	0	0
	RESP	147	0	0	147	0	0	0	0
TOTAL	618	244	0	665	0	0	0	0	
A54	Inclined								
	GR	0	-176	0	176	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-176	0	176	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	176	0	176	0	0	0	0	
A56	Inclined								
	GR	0	-106	0	106	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-106	0	106	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	106	0	106	0	0	0	0	
I56	Inclined								
	GR	0	-105	0	105	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-105	0	105	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	105	0	105	0	0	0	0	
A58	Inclined								
	GR	0	-178	0	178	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-178	0	178	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	178	0	178	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A59	Guide								
	GR	0	-250	0	250	0	0	0	0
	T1	-463	0	0	463	0	0	0	0
	P1	-6	0	0	6	0	0	0	0
	SUM	-469	-250	0	531	0	0	0	0
	RESP	138	0	0	138	0	0	0	0
TOTAL	607	250	0	656	0	0	0	0	
A60	Guide								
	GR	0	-231	0	231	0	0	0	0
	T1	168	0	0	168	0	0	0	0
	P1	2	0	0	2	0	0	0	0
	SUM	171	-231	0	288	0	0	0	0
	RESP	80	0	0	80	0	0	0	0
TOTAL	250	231	0	341	0	0	0	0	
A61	Guide								
	GR	0	-237	0	237	0	0	0	0
	T1	-45	0	0	45	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	-46	-237	0	241	0	0	0	0
	RESP	21	0	0	21	0	0	0	0
TOTAL	67	237	0	246	0	0	0	0	
A62	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	12	0	0	12	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	12	-235	0	235	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
TOTAL	18	235	0	236	0	0	0	0	
A63	Guide								
	GR	0	-236	0	236	0	0	0	0
	T1	-3	0	0	3	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-3	-236	0	236	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
TOTAL	5	236	0	236	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)		
		X	Y	Z	X	Y	Z
A64	Guide						
	GR	0	-235	0	235	0	0
	T1	1	0	0	1	0	0
	P1	0	0	0	0	0	0
	SUM	1	-235	0	235	0	0
	RESP	0	0	0	0	0	0
	TOTAL	1	235	0	235	0	0
A65	Guide						
	GR	0	-235	0	235	0	0
	T1	0	0	0	0	0	0
	P1	0	0	0	0	0	0
	SUM	0	-235	0	235	0	0
	RESP	0	0	0	0	0	0
	TOTAL	0	235	0	235	0	0
A66	Anchor						
	GR	0	-235	0	235	0	0
	T1	0	0	76	76	0	1
	P1	0	0	1	1	0	0
	SUM	0	-235	77	248	0	1
	RESP	0	0	8	8	0	0
	TOTAL	0	235	84	250	0	1
A67	Guide						
	GR	0	-235	0	235	0	0
	T1	0	0	0	0	0	0
	P1	0	0	0	0	0	0
	SUM	0	-235	0	235	0	0
	RESP	0	0	0	0	0	0
	TOTAL	0	235	0	235	0	0
A68	Guide						
	GR	0	-235	0	235	0	0
	T1	-1	0	0	1	0	0
	P1	0	0	0	0	0	0
	SUM	-1	-235	0	235	0	0
	RESP	0	0	0	0	0	0
	TOTAL	1	235	0	235	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)		
		X	Y	Z	X	Y	Z
A69	Guide						
	GR	0	-236	0	236	0	0
	T1	4	0	0	4	0	0
	P1	0	0	0	0	0	0
	SUM	4	-236	0	236	0	0
	RESP	2	0	0	2	0	0
	TOTAL	5	236	0	236	0	0
A70	Guide						
	GR	0	-235	0	235	0	0
	T1	-13	0	0	13	0	0
	P1	0	0	0	0	0	0
	SUM	-13	-235	0	235	0	0
	RESP	6	0	0	6	0	0
	TOTAL	19	235	0	236	0	0
A71	Guide						
	GR	0	-237	0	237	0	0
	T1	50	-1	0	50	0	0
	P1	1	0	0	1	0	0
	SUM	50	-237	0	242	0	0
	RESP	22	0	0	22	0	0
	TOTAL	72	237	0	248	0	0
A72	Guide						
	GR	0	-231	0	231	0	0
	T1	-186	2	0	186	0	0
	P1	-2	0	0	2	0	0
	SUM	-189	-229	0	297	0	0
	RESP	82	0	0	82	0	0
	TOTAL	271	229	0	355	0	0
A73	Guide						
	GR	0	-250	0	250	0	0
	T1	517	-9	0	517	0	0
	P1	7	0	0	7	0	0
	SUM	524	-259	0	585	0	0
	RESP	142	0	0	142	0	0
	TOTAL	666	259	0	715	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A74	Inclined								
	GR	0	-178	0	178	0	0	0	0
	T1	0	-101	0	101	0	0	0	0
	P1	0	-1	0	1	0	0	0	0
	SUM	0	-280	0	280	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	283	0	283	0	0	0	0
A76	Inclined								
	GR	0	-106	0	106	0	0	0	0
	T1	0	143	0	143	0	0	0	0
	P1	0	2	0	2	0	0	0	0
	SUM	0	39	0	39	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	42	0	42	0	0	0	0
176	Inclined								
	GR	0	-106	0	106	0	0	0	0
	T1	0	-143	0	143	0	0	0	0
	P1	0	-2	0	2	0	0	0	0
	SUM	0	-250	0	250	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	253	0	253	0	0	0	0
A78	Inclined								
	GR	0	-178	0	178	0	0	0	0
	T1	0	101	0	101	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-75	0	75	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	78	0	78	0	0	0	0
A79	Guide								
	GR	0	-250	0	250	0	0	0	0
	T1	-517	9	0	517	0	0	0	0
	P1	-7	0	0	7	0	0	0	0
	SUM	-524	-242	0	577	0	0	0	0
	RESP	142	0	0	142	0	0	0	0
	TOTAL	666	242	0	709	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A80	Guide								
	GR	0	-231	0	231	0	0	0	0
	T1	186	-2	0	186	0	0	0	0
	P1	2	0	0	2	0	0	0	0
	SUM	188	-234	0	300	0	0	0	0
	RESP	82	0	0	82	0	0	0	0
	TOTAL	271	234	0	358	0	0	0	0
A81	Guide								
	GR	0	-237	0	237	0	0	0	0
	T1	-50	1	0	50	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	-50	-236	0	241	0	0	0	0
	RESP	22	0	0	22	0	0	0	0
	TOTAL	72	236	0	247	0	0	0	0
A82	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	13	0	0	13	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	13	-235	0	236	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	19	235	0	236	0	0	0	0
A83	Guide								
	GR	0	-236	0	236	0	0	0	0
	T1	-4	0	0	4	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-4	-235	0	236	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	5	235	0	236	0	0	0	0
A84	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	1	0	0	1	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	1	-235	0	235	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	1	235	0	235	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A85	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-235	0	235	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	235	0	235	0	0	0	0	
A86	Anchor								
	GR	0	-235	0	235	0	0	1	1
	T1	3	0	-366	366	0	-12	8	14
	P1	0	0	-4	4	0	0	0	0
	SUM	3	-235	-370	439	0	-12	9	15
	RESP	0	0	84	84	0	0	0	0
TOTAL	3	235	454	511	0	12	9	15	
A87	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	-11	0	0	11	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-11	-235	0	236	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	11	235	0	236	0	0	0	0	
A88	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	20	0	0	20	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	20	-235	0	236	0	0	0	0
	RESP	1	0	0	1	0	0	0	0
TOTAL	20	235	0	236	0	0	0	0	
A89	Guide								
	GR	0	-236	0	236	0	0	0	0
	T1	-17	0	0	17	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-16	-236	0	236	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
TOTAL	19	236	0	236	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A90	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	2	0	0	2	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	2	-235	0	235	0	0	0	0
	RESP	9	0	0	9	0	0	0	0
TOTAL	11	235	0	235	0	0	0	0	
A91	Guide								
	GR	0	-237	0	237	0	0	0	0
	T1	19	0	0	19	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	20	-237	0	238	0	0	0	0
	RESP	34	0	0	34	0	0	0	0
TOTAL	53	237	0	243	0	0	0	0	
A92	Guide								
	GR	0	-230	0	230	0	0	0	0
	T1	-78	0	0	78	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	-80	-230	0	244	0	0	0	0
	RESP	127	0	0	127	0	0	0	0
TOTAL	207	230	0	309	0	0	0	0	
A93	Guide								
	GR	0	-255	0	255	0	0	0	0
	T1	225	0	0	225	0	0	0	0
	P1	4	0	0	4	0	0	0	0
	SUM	229	-255	0	342	0	0	0	0
	RESP	230	0	0	230	0	0	0	0
TOTAL	459	255	0	525	0	0	0	0	
A94	Inclined								
	GR	0	-168	0	168	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-168	0	168	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	168	0	168	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A96	Inclined								
	GR	0	-130	0	130	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-130	0	130	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	130	0	130	0	0	0	0	
A97	Guide								
	GR	0	-221	0	221	0	0	0	0
	T1	0	0	-597	597	0	0	0	0
	P1	0	0	-10	10	0	0	0	0
	SUM	0	-221	-608	647	0	0	0	0
	RESP	0	0	85	85	0	0	0	0
TOTAL	0	221	693	727	0	0	0	0	
A98	Guide								
	GR	0	-220	0	220	0	0	0	0
	T1	0	0	556	556	0	0	0	0
	P1	0	0	10	10	0	0	0	0
	SUM	0	-220	565	607	0	0	0	0
	RESP	0	0	95	95	0	0	0	0
TOTAL	0	220	660	696	0	0	0	0	
A99	Inclined								
	GR	0	-132	0	132	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-132	0	132	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	132	0	132	0	0	0	0	
A101	Inclined								
	GR	0	-164	0	164	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-164	0	164	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	164	0	164	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A102	Guide								
	GR	0	-241	0	241	0	0	0	0
	T1	-244	0	0	244	0	0	0	0
	P1	-4	0	0	4	0	0	0	0
	SUM	-248	-241	0	346	0	0	0	0
	RESP	259	0	0	259	0	0	0	0
TOTAL	508	241	0	562	0	0	0	0	
A103	Guide								
	GR	0	-209	0	209	0	0	0	0
	T1	93	0	0	93	0	0	0	0
	P1	2	0	0	2	0	0	0	0
	SUM	95	-209	0	230	0	0	0	0
	RESP	149	0	0	149	0	0	0	0
TOTAL	243	209	0	321	0	0	0	0	
A104	Guide								
	GR	0	-218	0	218	0	0	0	0
	T1	3	0	0	3	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	2	-218	0	218	0	0	0	0
	RESP	40	0	0	40	0	0	0	0
TOTAL	42	218	0	222	0	0	0	0	
A105	Guide								
	GR	0	-216	0	216	0	0	0	0
	T1	-27	0	0	27	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-26	-216	0	217	0	0	0	0
	RESP	11	0	0	11	0	0	0	0
TOTAL	37	216	0	219	0	0	0	0	
A106	Guide								
	GR	0	-217	0	217	0	0	0	0
	T1	17	0	0	17	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	17	-217	0	217	0	0	0	0
	RESP	3	0	0	3	0	0	0	0
TOTAL	20	217	0	217	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A107	Anchor								
	GR	0	-217	35	220	-3	0	-9	9
	T1	-5	-2	39	40	-9	-16	19	27
	P1	0	0	0	0	0	0	0	0
	SUM	-5	-219	74	232	-12	-16	11	23
	RESP	1	0	89	89	0	3	0	3
	TOTAL	5	219	163	273	12	19	11	25
A108	Guide								
	GR	0	-214	0	214	0	0	0	0
	T1	1	9	0	9	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	1	-205	0	205	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	2	205	0	205	0	0	0	0
A109	Guide								
	GR	0	-225	0	225	0	0	0	0
	T1	-5	-32	0	33	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-5	-258	0	258	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	7	258	0	258	0	0	0	0
A110	Guide								
	GR	0	-150	0	150	0	0	0	0
	T1	64	135	0	150	0	0	0	0
	P1	0	2	0	2	0	0	0	0
	SUM	64	-12	0	66	0	0	0	0
	RESP	24	0	0	24	0	0	0	0
	TOTAL	89	13	0	90	0	0	0	0
A112	Guide								
	GR	0	-124	-8	124	0	0	0	0
	T1	-108	-163	-11	196	0	0	0	0
	P1	-1	-2	0	2	0	0	0	0
	SUM	-109	-289	-19	309	0	0	0	0
	RESP	54	0	0	54	0	0	0	0
	TOTAL	163	289	19	332	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
I112	Guide								
	GR	0	-198	-13	198	0	0	0	0
	T1	133	58	4	145	0	0	0	0
	P1	1	1	0	2	0	0	0	0
	SUM	135	-139	-9	194	0	0	0	0
	RESP	138	1	0	138	0	0	0	0
	TOTAL	273	140	9	307	0	0	0	0
I113	Guide								
	GR	0	-212	-14	213	0	0	0	0
	T1	-303	-42	-3	306	0	0	0	0
	P1	-4	-1	0	4	0	0	0	0
	SUM	-308	-255	-17	400	0	0	0	0
	RESP	219	3	0	219	0	0	0	0
	TOTAL	527	258	17	587	0	0	0	0
A113	Inclined								
	GR	0	-116	0	116	0	0	0	0
	T1	0	27	0	27	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-89	0	89	0	0	0	0
	RESP	0	9	0	9	0	0	0	0
	TOTAL	0	99	0	99	0	0	0	0
A115	Inclined								
	GR	0	-189	0	189	0	0	0	0
	T1	0	-3	0	3	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-192	0	192	0	0	0	0
	RESP	0	6	0	6	0	0	0	0
	TOTAL	0	198	0	198	0	0	0	0
A116	Inclined								
	GR	0	-165	0	165	0	0	0	0
	T1	0	23	0	23	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-141	0	141	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	144	0	144	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A118	Inclined								
	GR	0	-154	0	154	0	0	0	0
	T1	0	-11	0	11	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-165	0	165	0	0	0	0
	RESP	0	1	0	1	0	0	0	0
	TOTAL	0	167	0	167	0	0	0	0
A119	Guide								
	GR	0	-265	0	265	0	0	0	0
	T1	320	1	0	320	0	0	0	0
	P1	4	0	0	4	0	0	0	0
	SUM	324	-264	0	418	0	0	0	0
	RESP	122	0	0	122	0	0	0	0
	TOTAL	446	264	0	519	0	0	0	0
A120	Guide								
	GR	0	-239	0	239	0	0	0	0
	T1	-138	0	0	138	0	0	0	0
	P1	-2	0	0	2	0	0	0	0
	SUM	-140	-239	0	277	0	0	0	0
	RESP	74	0	0	74	0	0	0	0
	TOTAL	214	239	0	321	0	0	0	0
A121	Guide								
	GR	0	-246	0	246	0	0	0	0
	T1	51	0	0	51	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	52	-246	0	251	0	0	0	0
	RESP	20	0	0	20	0	0	0	0
	TOTAL	71	246	0	256	0	0	0	0
A122	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-18	0	0	18	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-19	-244	0	245	0	0	0	0
	RESP	5	0	0	5	0	0	0	0
	TOTAL	24	244	0	245	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A123	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	5	0	0	5	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	5	-244	0	244	0	0	0	0
	RESP	1	0	0	1	0	0	0	0
	TOTAL	6	244	0	244	0	0	0	0
A124	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-1	0	0	1	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-1	-244	0	244	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	2	244	0	244	0	0	0	0
A125	Anchor								
	GR	0	-244	0	244	0	0	9	9
	T1	0	0	148	148	0	1	7	7
	P1	0	0	2	2	0	0	0	0
	SUM	0	-244	150	287	0	1	15	15
	RESP	0	0	23	23	0	1	0	1
	TOTAL	1	244	173	299	0	2	15	15
A126	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-244	0	244	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	1	244	0	244	0	0	0	0
A127	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	2	0	0	2	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	2	-244	0	244	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	3	244	0	244	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A128	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-6	0	0	6	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-7	-244	0	244	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	13	244	0	244	0	0	0	0
A129	Guide								
	GR	0	-245	0	245	0	0	0	0
	T1	24	0	0	24	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	24	-246	0	247	0	0	0	0
	RESP	24	0	0	24	0	0	0	0
	TOTAL	48	246	0	251	0	0	0	0
A130	Guide								
	GR	0	-240	0	240	0	0	0	0
	T1	-108	2	0	108	0	0	0	0
	P1	-2	0	0	2	0	0	0	0
	SUM	-110	-238	0	262	0	0	0	0
	RESP	89	0	0	89	0	0	0	0
	TOTAL	199	238	0	310	0	0	0	0
A131	Guide								
	GR	0	-260	0	260	0	0	0	0
	T1	349	-7	0	349	0	0	0	0
	P1	5	0	0	5	0	0	0	0
	SUM	354	-267	0	444	0	0	0	0
	RESP	153	0	0	153	0	0	0	0
	TOTAL	508	267	0	574	0	0	0	0
A132	Inclined								
	GR	0	-171	0	171	0	0	0	0
	T1	0	-63	0	63	0	0	0	0
	P1	0	-1	0	1	0	0	0	0
	SUM	0	-235	0	235	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	238	0	238	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A134	Inclined								
	GR	0	-130	0	130	0	0	0	0
	T1	0	80	0	80	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-49	0	49	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	52	0	52	0	0	0	0
I134	Inclined								
	GR	0	-130	0	130	0	0	0	0
	T1	0	-81	0	81	0	0	0	0
	P1	0	-1	0	1	0	0	0	0
	SUM	0	-212	0	212	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	215	0	215	0	0	0	0
A136	Inclined								
	GR	0	-171	0	171	0	0	0	0
	T1	0	63	0	63	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-107	0	107	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	110	0	110	0	0	0	0
A137	Guide								
	GR	0	-260	0	260	0	0	0	0
	T1	-350	7	0	350	0	0	0	0
	P1	-5	0	0	5	0	0	0	0
	SUM	-355	-253	0	436	0	0	0	0
	RESP	153	0	0	153	0	0	0	0
	TOTAL	508	253	0	567	0	0	0	0
A138	Guide								
	GR	0	-240	0	240	0	0	0	0
	T1	108	-2	0	108	0	0	0	0
	P1	2	0	0	2	0	0	0	0
	SUM	110	-242	0	266	0	0	0	0
	RESP	89	0	0	89	0	0	0	0
	TOTAL	199	242	0	313	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A139	Guide								
	GR	0	-245	0	245	0	0	0	0
	T1	-24	0	0	24	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-24	-245	0	246	0	0	0	0
	RESP	24	0	0	24	0	0	0	0
	TOTAL	48	245	0	250	0	0	0	0
A140	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	6	0	0	6	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	7	-244	0	244	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	13	244	0	244	0	0	0	0
A141	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-2	0	0	2	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-2	-244	0	244	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	3	244	0	244	0	0	0	0
A142	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-244	0	244	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	1	244	0	244	0	0	0	0
A143	Anchor								
	GR	0	-244	0	244	0	0	2	2
	T1	3	0	-175	175	0	-16	7	17
	P1	0	0	-2	2	0	0	0	0
	SUM	3	-244	-177	302	0	-16	8	18
	RESP	0	0	21	21	0	1	0	1
	TOTAL	3	244	198	315	0	16	8	18

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A144	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-13	0	0	13	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-13	-244	0	245	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	13	244	0	245	0	0	0	0
A145	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	25	0	0	25	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	25	-244	0	246	0	0	0	0
	RESP	1	0	0	1	0	0	0	0
	TOTAL	26	244	0	246	0	0	0	0
A146	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-30	0	0	30	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-30	-244	0	246	0	0	0	0
	RESP	4	0	0	4	0	0	0	0
	TOTAL	34	244	0	246	0	0	0	0
A147	Guide								
	GR	0	-246	0	246	0	0	0	0
	T1	46	0	0	46	0	0	0	0
	P1	1	0	0	1	0	0	0	0
	SUM	47	-246	0	250	0	0	0	0
	RESP	14	0	0	14	0	0	0	0
	TOTAL	61	246	0	253	0	0	0	0
A148	Guide								
	GR	0	-239	0	239	0	0	0	0
	T1	-142	0	0	142	0	0	0	0
	P1	-2	0	0	2	0	0	0	0
	SUM	-144	-239	0	279	0	0	0	0
	RESP	53	0	0	53	0	0	0	0
	TOTAL	197	239	0	310	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)				
		X	Y	Z	Result	X	Y	Z	Result
A149	Guide								
	GR	0	-265	0	265	0	0	0	0
	T1	314	0	0	314	0	0	0	0
	P1	5	0	0	5	0	0	0	0
	SUM	319	-265	0	415	0	0	0	0
	RESP	98	0	0	98	0	0	0	0
	TOTAL	417	265	0	494	0	0	0	0
A150	Inclined								
	GR	0	-161	0	161	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-161	0	161	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	161	0	161	0	0	0	0
A152	Inclined								
	GR	0	-150	0	150	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-150	0	150	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	150	0	150	0	0	0	0
A153	Guide								
	GR	0	-251	0	251	0	0	0	0
	T1	0	0	-416	416	0	0	0	0
	P1	0	0	-7	7	0	0	0	0
	SUM	0	-251	-423	491	0	0	0	0
	RESP	0	0	72	72	0	0	0	0
	TOTAL	0	251	495	555	0	0	0	0
A155	Guide								
	GR	0	-230	0	230	0	0	0	0
	T1	0	0	266	266	0	0	0	0
	P1	0	0	4	4	0	0	0	0
	SUM	0	-230	270	355	0	0	0	0
	RESP	0	0	206	206	0	0	0	0
	TOTAL	0	230	476	528	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)				
		X	Y	Z	Result	X	Y	Z	Result
A156	Inclined								
	GR	0	-196	0	196	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-196	0	196	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	196	0	196	0	0	0	0
A159	Inclined								
	GR	0	-103	0	103	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-103	0	103	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	103	0	103	0	0	0	0
A161	Inclined								
	GR	0	-146	0	146	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-146	0	146	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	146	0	146	0	0	0	0
A162	Guide								
	GR	0	-230	0	230	0	0	0	0
	T1	0	0	-131	131	0	0	0	0
	P1	0	0	-2	2	0	0	0	0
	SUM	0	-230	-133	266	0	0	0	0
	RESP	0	0	205	205	0	0	0	0
	TOTAL	0	230	338	409	0	0	0	0
A163	Anchor								
	GR	0	-261	0	261	1	0	25	25
	T1	319	0	146	351	0	311	0	311
	P1	4	0	2	5	0	4	0	4
	SUM	323	-261	148	441	1	315	25	316
	RESP	261	0	78	273	0	364	0	364
	TOTAL	584	261	226	679	1	679	25	680

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A164	Guide								
	GR	0	-197	0	197	0	0	0	0
	T1	0	0	-407	407	0	0	0	0
	P1	0	0	-6	6	0	0	0	0
	SUM	0	-197	-412	457	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	197	412	457	0	0	0	0
A165	Inclined								
	GR	0	-143	0	143	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-143	0	143	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	143	0	143	0	0	0	0
A168	Inclined								
	GR	0	-129	0	129	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-129	0	129	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	129	0	129	0	0	0	0
A170	Inclined								
	GR	0	-109	0	109	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-109	0	109	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	109	0	109	0	0	0	0
A171	Anchor								
	GR	0	-78	0	78	-9	0	-112	112
	T1	-523	0	300	603	0	-1045	0	1045
	P1	-7	0	4	8	0	-15	0	15
	SUM	-530	-78	305	616	-9	-1060	-112	1066
	RESP	0	0	0	0	0	0	0	0
	TOTAL	530	78	305	616	9	1060	112	1066

ASME B31.3c (1992) CODE COMPLIANCE

Point name	Load combination	MOMENTS (in ft-lb)			S.I.F		(Stress in psi)		Code	Code
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	Eq. Load no.	type		
*** Segment A begin ***										
A00	Max P									
	GR + Max P	437	17		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	0	1299		0	1.00	(17) DISP	4157	16700	
	SRSS	0	163		1.00	1.00	(18) OCC	4851	25050	
								784	22211	
A01	Max P									
	GR + Max P	1109	35		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	0	2638		0	1.00	(17) DISP	7386	16700	
	SRSS	0	332		1.00	1.00	(18) OCC	9847	25050	
								1592	22211	
A02	Max P									
	GR + Max P	305	29		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	0	2202		0	1.00	(17) DISP	3530	16700	
	SRSS	0	232		1.00	1.00	(18) OCC	8220	25050	
								1114	22211	
A03 N-	Max P									
	GR + Max P	312	30		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	0	2262		0	1.00	(17) DISP	3567	16700	
	SRSS	0	238		1.00	1.00	(18) OCC	8445	25050	
								1141	22211	
A03 N+	Max P									
	GR + Max P	30	312		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	2262	0		0	1.00	(17) DISP	3567	16700	
	SRSS	238	0		1.00	1.00	(18) OCC	8445	25050	
								1141	22211	
A03 M	Max P									
	GR + Max P	35	440		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	2665	0		0	1.00	(17) DISP	4177	16700	
	SRSS	280	0		1.00	1.00	(18) OCC	9949	25050	
								1344	22211	
A03 F-	Max P									
	GR + Max P	33	470		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	2510	0		0	1.00	(17) DISP	4321	16700	
	SRSS	284	0		1.00	1.00	(18) OCC	9369	25050	
								1364	22211	
A03 F+	Max P									
	GR + Max P	470	33		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	0	2510		0	1.00	(17) DISP	4321	16700	
	SRSS	0	284		1.00	1.00	(18) OCC	9369	25050	
								1364	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE				(Stress in psi)			
		(Moments in ft-lb)		Torsion		Code		Code	
		In-Pl. Moment	Out-Pl. Moment	S.I.F In	S.I.F Out	Eq. Load no.	Code type	Eq. Load no.	Code Allow.
A04	Max P GR + Max P Cold to T1 SRSS	472 0 0	33 2471 283	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 4330 9224 1357	16700 16700 25050 22211
A05	Max P GR + Max P Cold to T1 SRSS	877 0 0	25 1896 81	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 6274 7079 388	16700 16700 25050 22211
A06	Max P GR + Max P Cold to T1 SRSS	96 0 0	27 1996 278	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2540 7452 1334	16700 16700 25050 22211
A07	Max P GR + Max P Cold to T1 SRSS	73 0 0	41 3093 331	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2464 11547 1588	16700 16700 25050 22211
A08 N-	Max P GR + Max P Cold to T1 SRSS	50 0 0	44 3333 347	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2380 12442 1663	16700 16700 25050 22211
A08 N+	Max P GR + Max P Cold to T1 SRSS	44 3333 347	50 0 0	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2380 12442 1663	16700 16700 25050 22211
A08 M	Max P GR + Max P Cold to T1 SRSS	46 3439 381	86 0 0	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2529 12837 1827	16700 16700 25050 22211
A08 F-	Max P GR + Max P Cold to T1 SRSS	19 1429 323	57 0 0	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2351 5335 1549	16700 16700 25050 22211
A08 F+	Max P GR + Max P Cold to T1 SRSS	57 0 0	19 1429 323	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2351 5335 1549	16700 16700 25050 22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE				(Stress in psi)			
		(Moments in ft-lb)		Torsion		Code		Code	
		In-Pl. Moment	Out-Pl. Moment	S.I.F In	S.I.F Out	Eq. Load no.	Code type	Eq. Load no.	Code Allow.
A10	Max P GR + Max P Cold to T1 SRSS	64 0 0	7 509 261	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2372 1899 1252	16700 16700 25050 22211
A11 N-	Max P GR + Max P Cold to T1 SRSS	39 0 0	14 1031 243	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2262 3849 1168	16700 16700 25050 22211
A11 N+	Max P GR + Max P Cold to T1 SRSS	14 1031 243	39 0 0	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2262 3849 1168	16700 16700 25050 22211
A11 M	Max P GR + Max P Cold to T1 SRSS	40 3041 140	10 0 0	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2260 11352 672	16700 16700 25050 22211
A11 F-	Max P GR + Max P Cold to T1 SRSS	39 2933 38	61 0 0	1.00 1.00 1.00	1.00 1.00 1.00	(18) (18) (18)	HOOP SUST DISP OCC	4844 2408 10951 183	16700 16700 25050 22211
A11 F+	Max P GR + Max P Cold to T1 SRSS	61 0 0	39 2933 38	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2408 10951 183	16700 16700 25050 22211
A12	Max P GR + Max P Cold to T1 SRSS	86 0 0	36 2696 22	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2509 10064 106	16700 16700 25050 22211
A13	Max P GR + Max P Cold to T1 SRSS	157 0 0	12 905 320	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 2816 3380 1537	16700 16700 25050 22211
A14	Max P GR + Max P Cold to T1 SRSS	227 0 0	3 241 85	1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	HOOP SUST DISP OCC	4844 3148 901 410	16700 16700 25050 22211

JUNIP-101

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			S.I.F		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	Eq. no.	Load type		
A15	Max P						(3a)	HOOP	4844	16700
	GR + Max P	208	1		1.00	1.00	(18)	SUST	3058	16700
	Cold to T1	0	65	0	1.00	1.00	(17)	DISP	241	25050
	SRSS	0	23		1.00	1.00	(18)	OCC	110	22211
A16	Max P						(3a)	HOOP	4844	16700
	GR + Max P	213	0		1.00	1.00	(18)	SUST	3075	16700
	Cold to T1	0	18	0	1.00	1.00	(17)	DISP	68	25050
	SRSS	0	6		1.00	1.00	(18)	OCC	31	22211
A17 -	Max P						(3a)	HOOP	4844	16700
	GR + Max P	211	0		1.00	1.00	(18)	SUST	3075	16700
	Cold to T1	0	9	0	1.00	1.00	(17)	DISP	34	25050
	SRSS	0	3		1.00	1.00	(18)	OCC	15	22211
A17 +	Max P						(3a)	HOOP	4844	16700
	GR + Max P	211	1		1.00	1.00	(18)	SUST	3076	16700
	Cold to T1	0	7	0	1.00	1.00	(17)	DISP	26	25050
	SRSS	0	3		1.00	1.00	(18)	OCC	16	22211
A18	Max P						(3a)	HOOP	4844	16700
	GR + Max P	213	1		1.00	1.00	(18)	SUST	3085	16700
	Cold to T1	0	14	0	1.00	1.00	(17)	DISP	52	25050
	SRSS	0	7		1.00	1.00	(18)	OCC	31	22211
A19	Max P						(3a)	HOOP	4844	16700
	GR + Max P	207	4		1.00	1.00	(18)	SUST	3058	16700
	Cold to T1	1	49	0	1.00	1.00	(17)	DISP	184	25050
	SRSS	0	23		1.00	1.00	(18)	OCC	111	22211
A20	Max P						(3a)	HOOP	4844	16700
	GR + Max P	229	14		1.00	1.00	(18)	SUST	3161	16700
	Cold to T1	3	185	0	1.00	1.00	(17)	DISP	689	25050
	SRSS	2	86		1.00	1.00	(18)	OCC	414	22211
A21	Max P						(3a)	HOOP	4844	16700
	GR + Max P	149	51		1.00	1.00	(18)	SUST	2819	16700
	Cold to T1	12	693	0	1.00	1.00	(17)	DISP	2587	25050
	SRSS	7	324		1.00	1.00	(18)	OCC	1555	22211
A22	Max P						(3a)	HOOP	4844	16700
	GR + Max P	124	152		1.00	1.00	(18)	SUST	3004	16700
	Cold to T1	57	1703	0	1.00	1.00	(17)	DISP	6560	25050
	SRSS	33	419		1.00	1.00	(18)	OCC	2017	22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			S.I.F		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	Eq. no.	Load type		
A23 N-	Max P						(3a)	HOOP	4844	16700
	GR + Max P	90	166		1.00	1.00	(18)	SUST	2967	16700
	Cold to T1	46	1862	0	1.00	1.00	(17)	DISP	6954	25050
	SRSS	30	456		1.00	1.00	(18)	OCC	2191	22211
A23 N+	Max P						(3a)	HOOP	4844	16700
	GR + Max P	166	90		1.00	1.00	(18)	SUST	2967	16700
	Cold to T1	1862	46	0	1.00	1.00	(17)	DISP	6954	25050
	SRSS	456	30		1.00	1.00	(18)	OCC	2191	22211
A23 M	Max P						(3a)	HOOP	4844	16700
	GR + Max P	172	29		1.00	1.00	(18)	SUST	2900	16700
	Cold to T1	1961	20	11	1.00	1.00	(17)	DISP	7322	25050
	SRSS	483	6		1.00	1.00	(18)	OCC	2317	22211
A23 F-	Max P						(3a)	HOOP	4844	16700
	GR + Max P	61	16		1.00	1.00	(18)	SUST	2365	16700
	Cold to T1	693	75	28	1.00	1.00	(17)	DISP	2606	25050
	SRSS	279	21		1.00	1.00	(18)	OCC	1343	22211
A23 F+	Max P						(3a)	HOOP	4844	16700
	GR + Max P	16	61		1.00	1.00	(18)	SUST	2365	16700
	Cold to T1	75	693	28	1.00	1.00	(17)	DISP	2606	25050
	SRSS	21	279		1.00	1.00	(18)	OCC	1343	22211
A25	Max P						(3a)	HOOP	4844	16700
	GR + Max P	67	47		1.00	1.00	(18)	SUST	2460	16700
	Cold to T1	116	542	28	1.00	1.00	(17)	DISP	2070	25050
	SRSS	33	313		1.00	1.00	(18)	OCC	1509	22211
A26 N-	Max P						(3a)	HOOP	4844	16700
	GR + Max P	39	77		1.00	1.00	(18)	SUST	2476	16700
	Cold to T1	60	876	28	1.00	1.00	(17)	DISP	3280	25050
	SRSS	40	361		1.00	1.00	(18)	OCC	1746	22211
A26 N+	Max P						(3a)	HOOP	4844	16700
	GR + Max P	72	47		1.00	1.00	(18)	SUST	2476	16700
	Cold to T1	864	160	28	1.00	1.00	(17)	DISP	3280	25050
	SRSS	363	18		1.00	1.00	(18)	OCC	1746	22211
A26 M	Max P						(3a)	HOOP	4844	16700
	GR + Max P	191	25		1.00	1.00	(18)	SUST	2987	16700
	Cold to T1	2151	53	60	1.00	1.00	(17)	DISP	8035	25050
	SRSS	599	9		1.00	1.00	(18)	OCC	2874	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft.-lb.)		CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.		
A26 F-	Max P	183	31				(3a) HOOP	4844	16700
	GR + Max P				1.00	1.00	(18) SUST	2954	16700
	Cold to T1	2060	85	47	1.00	1.00	(17) DISP	7699	25050
	SRSS	555	21		1.00	1.00	(18) OCC	2666	22211
A26 F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	31	183		1.00	1.00	(18) SUST	2954	16700
	Cold to T1	85	2060	47	1.00	1.00	(17) DISP	7699	25050
	SRSS	21	555		1.00	1.00	(18) OCC	2666	22211
A27	Max P						(3a) HOOP	4844	16700
	GR + Max P	57	169		1.00	1.00	(18) SUST	2918	16700
	Cold to T1	103	1893	44	1.00	1.00	(17) DISP	7081	25050
	SRSS	23	515		1.00	1.00	(18) OCC	2475	22211
A28	Max P						(3a) HOOP	4844	16700
	GR + Max P	190	88		1.00	1.00	(18) SUST	3065	16700
	Cold to T1	97	1136	44	1.00	1.00	(17) DISP	4261	25050
	SRSS	46	384		1.00	1.00	(18) OCC	1856	22211
A29	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	18		1.00	1.00	(18) SUST	3319	16700
	Cold to T1	83	589	44	1.00	1.00	(17) DISP	2227	25050
	SRSS	24	152		1.00	1.00	(18) OCC	739	22211
A30	Max P						(3a) HOOP	4844	16700
	GR + Max P	183	17		1.00	1.00	(18) SUST	2943	16700
	Cold to T1	237	1231	45	1.00	1.00	(17) DISP	4682	25050
	SRSS	51	437		1.00	1.00	(18) OCC	2112	22211
A31	Max P						(3a) HOOP	4844	16700
	GR + Max P	98	53		1.00	1.00	(18) SUST	2596	16700
	Cold to T1	145	2481	48	1.00	1.00	(17) DISP	9280	25050
	SRSS	44	302		1.00	1.00	(18) OCC	1465	22211
A32 N-	Max P						(3a) HOOP	4844	16700
	GR + Max P	67	57		1.00	1.00	(18) SUST	2485	16700
	Cold to T1	134	2686	48	1.00	1.00	(17) DISP	10040	25050
	SRSS	39	328		1.00	1.00	(18) OCC	1588	22211
A32 N+	Max P						(3a) HOOP	4844	16700
	GR + Max P	57	67		1.00	1.00	(18) SUST	2485	16700
	Cold to T1	2686	134	48	1.00	1.00	(17) DISP	10040	25050
	SRSS	328	39		1.00	1.00	(18) OCC	1588	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft.-lb.)		CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.		
A32 M	Max P						(3a) HOOP	4844	16700
	GR + Max P	64	24		1.00	1.00	(18) SUST	2390	16700
	Cold to T1	2959	78	40	1.00	1.00	(17) DISP	11053	25050
	SRSS	408	7		1.00	1.00	(18) OCC	1959	22211
A32 F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	35	13		1.00	1.00	(18) SUST	2243	16700
	Cold to T1	1774	23	63	1.00	1.00	(17) DISP	6628	25050
	SRSS	378	37		1.00	1.00	(18) OCC	1821	22211
A32 F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	9	36		1.00	1.00	(18) SUST	2243	16700
	Cold to T1	225	1760	63	1.00	1.00	(17) DISP	6628	25050
	SRSS	50	376		1.00	1.00	(18) OCC	1821	22211
A33	Max P						(3a) HOOP	4844	16700
	GR + Max P	31	30		1.00	1.00	(18) SUST	2269	16700
	Cold to T1	198	1430	63	1.00	1.00	(17) DISP	5395	25050
	SRSS	49	367		1.00	1.00	(18) OCC	1776	22211
A34	Max P						(3a) HOOP	4844	16700
	GR + Max P	37	29		1.00	1.00	(18) SUST	2291	16700
	Cold to T1	65	1502	63	1.00	1.00	(17) DISP	5615	25050
	SRSS	13	414		1.00	1.00	(18) OCC	1986	22211
A35 N-	Max P						(3a) HOOP	4844	16700
	GR + Max P	16	36		1.00	1.00	(18) SUST	2252	16700
	Cold to T1	56	1833	63	1.00	1.00	(17) DISP	5649	25050
	SRSS	11	433		1.00	1.00	(18) OCC	2080	22211
A35 N+	Max P						(3a) HOOP	4844	16700
	GR + Max P	36	16		1.00	1.00	(18) SUST	2252	16700
	Cold to T1	1833	56	63	1.00	1.00	(17) DISP	6849	25050
	SRSS	433	11		1.00	1.00	(18) OCC	2080	22211
A35 M	Max P						(3a) HOOP	4844	16700
	GR + Max P	60	22		1.00	1.00	(18) SUST	2367	16700
	Cold to T1	3014	43	22	1.00	1.00	(17) DISP	11253	25050
	SRSS	506	7		1.00	1.00	(18) OCC	2431	22211
A35 F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	56	68		1.00	1.00	(18) SUST	2485	16700
	Cold to T1	2739	5	2	1.00	1.00	(17) DISP	10223	25050
	SRSS	428	1		1.00	1.00	(18) OCC	2053	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)		CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type	Code Stress		
A35 F+	Max P					(3a) HOOP	4844	16700	
	GR + Max P	68	56	1.00	1.00	(18) SUST	2485	16700	
	Cold to T1	5	2739	2	1.00	(17) DISP	10223	25050	
	SRSS	1	428	1.00	1.00	(18) OCC	2053	22211	
A36	Max P					(3a) HOOP	4844	16700	
	GR + Max P	98	52	1.00	1.00	(18) SUST	2592	16700	
	Cold to T1	4	2544	2	1.00	(17) DISP	9498	25050	
	SRSS	2	396	1.00	1.00	(18) OCC	1902	22211	
A37	Max P					(3a) HOOP	4844	16700	
	GR + Max P	188	20	1.00	1.00	(18) SUST	2971	16700	
	Cold to T1	1	1297	2	1.00	(17) DISP	4843	25050	
	SRSS	1	492	1.00	1.00	(18) OCC	2360	22211	
A38	Max P					(3a) HOOP	4844	16700	
	GR + Max P	218	6	1.00	1.00	(18) SUST	3111	16700	
	Cold to T1	0	368	2	1.00	(17) DISP	1375	25050	
	SRSS	0	140	1.00	1.00	(18) OCC	670	22211	
A39	Max P					(3a) HOOP	4844	16700	
	GR + Max P	208	3	1.00	1.00	(18) SUST	3063	16700	
	Cold to T1	0	183	2	1.00	(17) DISP	684	25050	
	SRSS	0	69	1.00	1.00	(18) OCC	333	22211	
A39 +	Max P					(3a) HOOP	4844	16700	
	GR + Max P	360	7	1.00	1.00	(18) SUST	3738	16700	
	Cold to T1	0	345	0	1.00	(17) DISP	1289	25050	
	SRSS	42	0	1.00	1.00	(18) OCC	200	22211	
A40	Max P					(3a) HOOP	4844	16700	
	GR + Max P	87	14	1.00	1.00	(18) SUST	2480	16700	
	Cold to T1	0	694	0	1.00	(17) DISP	2590	25050	
	SRSS	84	0	1.00	1.00	(18) OCC	401	22211	
A41	Max P					(3a) HOOP	4844	16700	
	GR + Max P	1264	50	1.00	1.00	(18) SUST	8128	16700	
	Cold to T1	0	3226	0	1.00	(17) DISP	12044	25050	
	SRSS	294	0	1.00	1.00	(18) OCC	1413	22211	
A42	Max P					(3a) HOOP	4844	16700	
	GR + Max P	412	57	1.00	1.00	(18) SUST	4055	16700	
	Cold to T1	0	3989	0	1.00	(17) DISP	14891	25050	
	SRSS	134	0	1.00	1.00	(18) OCC	645	22211	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)		CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type	Code Stress		
A43 N-	Max P					(3a) HOOP	4844	16700	
	GR + Max P	416	58	1.00	1.00	(18) SUST	4076	16700	
	Cold to T1	0	4061	0	1.00	(17) DISP	15162	25050	
	SRSS	135	0	1.00	1.00	(18) OCC	650	22211	
A43 N+	Max P					(3a) HOOP	4844	16700	
	GR + Max P	58	416	1.00	1.00	(18) SUST	4076	16700	
	Cold to T1	4061	0	0	1.00	(17) DISP	15162	25050	
	SRSS	0	135	1.00	1.00	(18) OCC	650	22211	
A43 M	Max P					(3a) HOOP	4844	16700	
	GR + Max P	65	506	1.00	1.00	(18) SUST	4503	16700	
	Cold to T1	4489	0	0	1.00	(17) DISP	16758	25050	
	SRSS	0	164	1.00	1.00	(18) OCC	785	22211	
A43 F-	Max P					(3a) HOOP	4844	16700	
	GR + Max P	60	488	1.00	1.00	(18) SUST	4418	16700	
	Cold to T1	4159	0	0	1.00	(17) DISP	15527	25050	
	SRSS	0	159	1.00	1.00	(18) OCC	764	22211	
A43 F+	Max P					(3a) HOOP	4844	16700	
	GR + Max P	488	60	1.00	1.00	(18) SUST	4418	16700	
	Cold to T1	0	4159	0	1.00	(17) DISP	15527	25050	
	SRSS	159	0	1.00	1.00	(18) OCC	764	22211	
A44	Max P					(3a) HOOP	4844	16700	
	GR + Max P	486	59	1.00	1.00	(18) SUST	4409	16700	
	Cold to T1	0	4094	0	1.00	(17) DISP	15284	25050	
	SRSS	159	0	1.00	1.00	(18) OCC	762	22211	
A45	Max P					(3a) HOOP	4844	16700	
	GR + Max P	1197	42	1.00	1.00	(18) SUST	7806	16700	
	Cold to T1	0	2889	0	1.00	(17) DISP	10787	25050	
	SRSS	258	0	1.00	1.00	(18) OCC	1240	22211	
A46	Max P					(3a) HOOP	4844	16700	
	GR + Max P	23	11	1.00	1.00	(18) SUST	2182	16700	
	Cold to T1	0	755	0	1.00	(17) DISP	2818	25050	
	SRSS	69	0	1.00	1.00	(18) OCC	331	22211	
A47	Max P					(3a) HOOP	4844	16700	
	GR + Max P	323	3	1.00	1.00	(18) SUST	3606	16700	
	Cold to T1	0	143	0	1.00	(17) DISP	532	25050	
	SRSS	19	0	1.00	1.00	(18) OCC	91	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE									
		(Moments in ft-lb)			(Stress in psi)			(Stress in psi)			
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type	Code Stress	Code Allow.	Code Stress	Code Allow.
A48	Max P GR + Max P Cold to T1 SRSS	216 0 5	1 51 0	0	1.00 1.00 1.00	1.00 1.00 1.00	(18) SUST (17) DISP (18) OCC	4844 3092 190 26	16700 16700 25050 22211		
A49	Max P GR + Max P Cold to T1 SRSS	251 0 3	0 25 0	0	1.00 1.00 1.00	1.00 1.00 1.00	(18) SUST (17) DISP (18) OCC	4844 3262 94 13	16700 16700 25050 22211		
A49	Max P GR + Max P Cold to T1 SRSS	239 0 0	0 4 2	0	1.00 1.00 1.00	1.00 1.00 1.00	(18) SUST (17) DISP (18) OCC	4844 3211 14 8	16700 16700 25050 22211		
A50	Max P GR + Max P Cold to T1 SRSS	239 0 0	0 7 4	0	1.00 1.00 1.00	1.00 1.00 1.00	(18) SUST (17) DISP (18) OCC	4844 3212 28 17	16700 16700 25050 22211		
A51	Max P GR + Max P Cold to T1 SRSS	239 0 0	0 26 12	0	1.00 1.00 1.00	1.00 1.00 1.00	(18) SUST (17) DISP (18) OCC	4844 3207 97 59	16700 16700 25050 22211		
A52	Max P GR + Max P Cold to T1 SRSS	242 0 0	1 97 46	0	1.00 1.00 1.00	1.00 1.00 1.00	(18) SUST (17) DISP (18) OCC	4844 3225 362 222	16700 16700 25050 22211		
A53	Max P GR + Max P Cold to T1 SRSS	228 0 0	5 363 174	0	1.00 1.00 1.00	1.00 1.00 1.00	(18) SUST (17) DISP (18) OCC	4844 3160 1357 833	16700 16700 25050 22211		
A53	Max P GR + Max P Cold to T1 SRSS	280 0 0	18 1364 651	0	1.00 1.00 1.00	1.00 1.00 1.00	(18) SUST (17) DISP (18) OCC	4844 3408 5091 3126	16700 16700 25050 22211		
A54	Max P GR + Max P Cold to T1 SRSS	148 0 0	40 3005 334	0	1.00 1.00 1.00	1.00 1.00 1.00	(18) SUST (17) DISP (18) OCC	4844 2796 11220 1601	16700 16700 25050 22211		

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE									
		(Moments in ft-lb)			(Stress in psi)			(Stress in psi)			
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type	Code Stress	Code Allow.	Code Stress	Code Allow.
A55 N	Max P GR + Max P Cold to T1 SRSS	115 0 0	42 3169 357	0	1.00 1.00 1.00	1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2651 11831 1714	16700 16700 25050 22211		
A55 N+	Max P GR + Max P Cold to T1 SRSS	42 3169 357	115 0 0	0	1.00 1.00 1.00	1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2651 11831 1714	16700 16700 25050 22211		
A55 M	Max P GR + Max P Cold to T1 SRSS	45 3389 456	1 0 0	0	1.00 1.00 1.00	1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2276 12652 2189	16700 16700 25050 22211		
A55 F	Max P GR + Max P Cold to T1 SRSS	31 2365 489	2 0 0	0	1.00 1.00 1.00	1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2214 8830 2349	16700 16700 25050 22211		
A55 F+	Max P GR + Max P Cold to T1 SRSS	2 0 0	31 2365 489	0	1.00 1.00 1.00	1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2214 8830 2349	16700 16700 25050 22211		
A56	Max P GR + Max P Cold to T1 SRSS	16 0 0	27 2082 490	0	1.00 1.00 1.00	1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2216 7771 2352	16700 16700 25050 22211		
A56	Max P GR + Max P Cold to T1 SRSS	13 0 0	28 2109 479	0	1.00 1.00 1.00	1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2210 7872 2300	16700 16700 25050 22211		
A57 N-	Max P GR + Max P Cold to T1 SRSS	5 0 0	31 2392 477	0	1.00 1.00 1.00	1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2217 8931 2290	16700 16700 25050 22211		
A57 N+	Max P GR + Max P Cold to T1 SRSS	31 2392 477	5 0 0	0	1.00 1.00 1.00	1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2217 8931 2290	16700 16700 25050 22211		

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A57 M	Max P						(3a) HOOP	4844	16700
	GR + Max P	45	2		1.00	1.00	(18) SUST	2278	16700
	Cold to T1	3416	0	0	1.00	1.00	(17) DISP	12752	25050
	SRSS	441	0		1.00	1.00	(18) OCC	2116	22211
A57 F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	42	117		1.00	1.00	(18) SUST	2661	16700
	Cold to T1	3196	0	0	1.00	1.00	(17) DISP	11932	25050
	SRSS	348	0		1.00	1.00	(18) OCC	1671	22211
A57 F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	117	42		1.00	1.00	(18) SUST	2661	16700
	Cold to T1	0	3196	0	1.00	1.00	(17) DISP	11932	25050
	SRSS	0	348		1.00	1.00	(18) OCC	1671	22211
A58	Max P						(3a) HOOP	4844	16700
	GR + Max P	150	40		1.00	1.00	(18) SUST	2807	16700
	Cold to T1	0	3032	0	1.00	1.00	(17) DISP	11320	25050
	SRSS	0	327		1.00	1.00	(18) OCC	1567	22211
A59	Max P						(3a) HOOP	4844	16700
	GR + Max P	295	19		1.00	1.00	(18) SUST	3481	16700
	Cold to T1	0	1399	0	1.00	1.00	(17) DISP	5224	25050
	SRSS	0	627		1.00	1.00	(18) OCC	3008	22211
A60	Max P						(3a) HOOP	4844	16700
	GR + Max P	253	5		1.00	1.00	(18) SUST	3275	16700
	Cold to T1	0	373	0	1.00	1.00	(17) DISP	1393	25050
	SRSS	0	167		1.00	1.00	(18) OCC	802	22211
A61	Max P						(3a) HOOP	4844	16700
	GR + Max P	264	1		1.00	1.00	(18) SUST	3329	16700
	Cold to T1	0	100	0	1.00	1.00	(17) DISP	371	25050
	SRSS	0	45		1.00	1.00	(18) OCC	214	22211
A62	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3315	16700
	Cold to T1	0	27	0	1.00	1.00	(17) DISP	99	25050
	SRSS	0	12		1.00	1.00	(18) OCC	57	22211
A63	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3319	16700
	Cold to T1	0	7	0	1.00	1.00	(17) DISP	26	25050
	SRSS	0	3		1.00	1.00	(18) OCC	15	22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A64	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	2	0	1.00	1.00	(17) DISP	7	25050
	SRSS	0	1		1.00	1.00	(18) OCC	4	22211
A65	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	1	0	1.00	1.00	(17) DISP	2	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A66 -	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	0	0	1.00	1.00	(17) DISP	1	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A66 +	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	0	8	1.00	1.00	(17) DISP	30	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A67	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	1	8	1.00	1.00	(17) DISP	30	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A67	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3317	16700
	Cold to T1	0	2	8	1.00	1.00	(17) DISP	31	25050
	SRSS	0	1		1.00	1.00	(18) OCC	4	22211
A69	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	8	8	1.00	1.00	(17) DISP	42	25050
	SRSS	0	3		1.00	1.00	(18) OCC	16	22211
A70	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3314	16700
	Cold to T1	0	29	8	1.00	1.00	(17) DISP	113	25050
	SRSS	0	12		1.00	1.00	(18) OCC	59	22211
A71	Max P						(3a) HOOP	4844	16700
	GR + Max P	264	1		1.00	1.00	(18) SUST	3329	16700
	Cold to T1	1	110	8	1.00	1.00	(17) DISP	41	25050
	SRSS	0	46		1.00	1.00	(18) OCC	220	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			S.I.F		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	Eq. Load no.	Code type		
A72	Max P						(3a) HOOP	4844	16700	
	GR + Max P	253	6		1.00	1.00	(18) SUST	3275	16700	
	Cold to T1	5	412	8	1.00	1.00	(17) DISP	1539	25050	
	SRSS	0	172		1.00	1.00	(18) OCC	826	22211	
A73	Max P						(3a) HOOP	4844	16700	
	GR + Max P	295	21		1.00	1.00	(18) SUST	3483	16700	
	Cold to T1	19	1546	8	1.00	1.00	(17) DISP	5770	25050	
	SRSS	0	645		1.00	1.00	(18) OCC	3096	22211	
A74	Max P						(3a) HOOP	4844	16700	
	GR + Max P	149	45		1.00	1.00	(18) SUST	2809	16700	
	Cold to T1	72	3432	8	1.00	1.00	(17) DISP	12815	25050	
	SRSS	1	336		1.00	1.00	(18) OCC	1614	22211	
A75 N-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	116	47		1.00	1.00	(18) SUST	2662	16700	
	Cold to T1	126	3616	8	1.00	1.00	(17) DISP	13507	25050	
	SRSS	1	359		1.00	1.00	(18) OCC	1722	22211	
A75 N+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	35	120		1.00	1.00	(18) SUST	2662	16700	
	Cold to T1	3611	235	8	1.00	1.00	(17) DISP	13507	25050	
	SRSS	357	35		1.00	1.00	(18) OCC	1722	22211	
A75 M	Max P						(3a) HOOP	4844	16700	
	GR + Max P	48	1		1.00	1.00	(18) SUST	2293	16700	
	Cold to T1	3873	6	92	1.00	1.00	(17) DISP	14463	25050	
	SRSS	454	28		1.00	1.00	(18) OCC	2181	22211	
A75 F-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	33	8		1.00	1.00	(18) SUST	2226	16700	
	Cold to T1	2719	227	0	1.00	1.00	(17) DISP	10186	25050	
	SRSS	489	1		1.00	1.00	(18) OCC	2345	22211	
A75 F+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	8	33		1.00	1.00	(18) SUST	2226	16700	
	Cold to T1	227	2719	0	1.00	1.00	(17) DISP	10186	25050	
	SRSS	1	489		1.00	1.00	(18) OCC	2345	22211	
A76	Max P						(3a) HOOP	4844	16700	
	GR + Max P	10	29		1.00	1.00	(18) SUST	2210	16700	
	Cold to T1	263	2385	0	1.00	1.00	(17) DISP	8959	25050	
	SRSS	1	490		1.00	1.00	(18) OCC	2352	22211	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			S.I.F		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	Eq. Load no.	Code type		
I76	Max P						(3a) HOOP	4844	16700	
	GR + Max P	18	34		1.00	1.00	(18) SUST	2248	16700	
	Cold to T1	263	2385	0	1.00	1.00	(17) DISP	8959	25050	
	SRSS	1	490		1.00	1.00	(18) OCC	2352	22211	
A77 N-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	1	39		1.00	1.00	(18) SUST	2249	16700	
	Cold to T1	227	2719	0	1.00	1.00	(17) DISP	10186	25050	
	SRSS	1	489		1.00	1.00	(18) OCC	2345	22211	
A77 N+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	39	1		1.00	1.00	(18) SUST	2249	16700	
	Cold to T1	2719	227	0	1.00	1.00	(17) DISP	10186	25050	
	SRSS	489	1		1.00	1.00	(18) OCC	2345	22211	
A77 M	Max P						(3a) HOOP	4844	16700	
	GR + Max P	54	2		1.00	1.00	(18) SUST	2319	16700	
	Cold to T1	3873	6	92	1.00	1.00	(17) DISP	14463	25050	
	SRSS	454	28		1.00	1.00	(18) OCC	2181	22211	
A77 F-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	59	114		1.00	1.00	(18) SUST	2677	16700	
	Cold to T1	3611	235	8	1.00	1.00	(17) DISP	13507	25050	
	SRSS	357	35		1.00	1.00	(18) OCC	1722	22211	
A77 F+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	119	48		1.00	1.00	(18) SUST	2677	16700	
	Cold to T1	126	3616	8	1.00	1.00	(17) DISP	13507	25050	
	SRSS	1	359		1.00	1.00	(18) OCC	1722	22211	
A78	Max P						(3a) HOOP	4844	16700	
	GR + Max P	151	45		1.00	1.00	(18) SUST	2817	16700	
	Cold to T1	72	3432	8	1.00	1.00	(17) DISP	12815	25050	
	SRSS	1	336		1.00	1.00	(18) OCC	1614	22211	
A79	Max P						(3a) HOOP	4844	16700	
	GR + Max P	295	20		1.00	1.00	(18) SUST	3480	16700	
	Cold to T1	19	1546	8	1.00	1.00	(17) DISP	5770	25050	
	SRSS	0	645		1.00	1.00	(18) OCC	3096	22211	
A80	Max P						(3a) HOOP	4844	16700	
	GR + Max P	253	5		1.00	1.00	(18) SUST	3275	16700	
	Cold to T1	5	412	8	1.00	1.00	(17) DISP	1539	25050	
	SRSS	0	172		1.00	1.00	(18) OCC	826	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE									
		(Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type				
A81	Max P GR + Max P Cold to T1 SRSS	264 1 0	1 110 46		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3329 411	16700 16700 25050	22211
A82	Max P GR + Max P Cold to T1 SRSS	261 0 0	0 29 12		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3315 113	16700 16700 25050	22211
A83	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 8 3		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3318 42	16700 16700 25050	22211
A84	Max P GR + Max P Cold to T1 SRSS	261 0 0	0 2 1		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3317 31	16700 16700 25050	22211
A85	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 1 1		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3318 30	16700 16700 25050	22211
A86	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3318 30	16700 16700 25050	22211
A86 +	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 12 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3319 46	16700 16700 25050	22211
A87	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 25 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3319 92	16700 16700 25050	22211
A88	Max P GR + Max P Cold to T1 SRSS	261 0 0	0 86 1		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3319 323	16700 16700 25050	22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE									
		(Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type				
A89	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 65 5		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3320 242	16700 16700 25050	22211
A90	Max P GR + Max P Cold to T1 SRSS	261 0 0	0 4 19		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3315 16	16700 16700 25050	22211
A91	Max P GR + Max P Cold to T1 SRSS	265 0 0	1 43 73		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3334 162	16700 16700 25050	22211
A92	Max P GR + Max P Cold to T1 SRSS	250 0 0	3 174 273		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 3265 651	16700 16700 25050	22211
A93	Max P GR + Max P Cold to T1 SRSS	304 0 0	12 653 1026		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 2438 4923	16700 25050 22211	22211
A94	Max P GR + Max P Cold to T1 SRSS	115 0 0	25 1532 679		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 2628 5718	16700 16700 25050	22211
A95 -	Max P GR + Max P Cold to T1 SRSS	86 0 0	26 1612 728		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 2494 6019	16700 16700 25050	22211
A95 +	Max P GR + Max P Cold to T1 SRSS	26 1612 728	86 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 2494 6019	16700 16700 25050	22211
A95 M	Max P GR + Max P Cold to T1 SRSS	28 1722 869	7 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	4844 2201 6423	16700 16700 25050	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE (Stress in psi)						
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F In	S.I.F Out	Eq. Load no.	Code type	Code Stress	Code Allow.	
A95 F-	Max P				(3a)			4844	16700		
	GR + Max P	19	19		1.00	1.00	(18) SUST	2194	16700		
	Cold to T1	1219	0	0	1.00	1.00	(17) DISP	4551	25050		
	SRSS	757	0		1.00	1.00	(18) OCC	3635	22211		
A95 F+	Max P				(3a)			4844	16700		
	GR + Max P	19	19		1.00	1.00	(18) SUST	2194	16700		
	Cold to T1	0	1219	0	1.00	1.00	(17) DISP	4551	25050		
	SRSS	0	757		1.00	1.00	(18) OCC	3635	22211		
A96	Max P				(3a)			4844	16700		
	GR + Max P	40	17		1.00	1.00	(18) SUST	2273	16700		
	Cold to T1	0	1080	0	1.00	1.00	(17) DISP	4031	25050		
	SRSS	0	717		1.00	1.00	(18) OCC	3440	22211		
A97	Max P				(3a)			4844	16700		
	GR + Max P	227	36		1.00	1.00	(18) SUST	3169	16700		
	Cold to T1	0	2076	0	1.00	1.00	(17) DISP	7750	25050		
	SRSS	0	236		1.00	1.00	(18) OCC	1135	22211		
A98	Max P				(3a)			4844	16700		
	GR + Max P	225	31		1.00	1.00	(18) SUST	3155	16700		
	Cold to T1	0	1675	0	1.00	1.00	(17) DISP	6253	25050		
	SRSS	0	260		1.00	1.00	(18) OCC	1246	22211		
A99	Max P				(3a)			4844	16700		
	GR + Max P	47	16		1.00	1.00	(18) SUST	2302	16700		
	Cold to T1	0	1012	0	1.00	1.00	(17) DISP	3779	25050		
	SRSS	0	758		1.00	1.00	(18) OCC	3638	22211		
A100N-	Max P				(3a)			4844	16700		
	GR + Max P	25	18		1.00	1.00	(18) SUST	2213	16700		
	Cold to T1	0	1131	0	1.00	1.00	(17) DISP	4221	25050		
	SRSS	0	801		1.00	1.00	(18) OCC	3847	22211		
A100N+	Max P				(3a)			4844	16700		
	GR + Max P	18	25		1.00	1.00	(18) SUST	2213	16700		
	Cold to T1	1131	0	0	1.00	1.00	(17) DISP	4221	25050		
	SRSS	801	0		1.00	1.00	(18) OCC	3847	22211		
A100H	Max P				(3a)			4844	16700		
	GR + Max P	25	6		1.00	1.00	(18) SUST	2188	16700		
	Cold to T1	1535	0	0	1.00	1.00	(17) DISP	5731	25050		
	SRSS	914	0		1.00	1.00	(18) OCC	4389	22211		

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE (Stress in psi)						
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F In	S.I.F Out	Eq. Load no.	Code type	Code Stress	Code Allow.	
A100F-	Max P				(3a)			4844	16700		
	GR + Max P	23	81		1.00	1.00	(18) SUST	2467	16700		
	Cold to T1	1385	0	0	1.00	1.00	(17) DISP	5171	25050		
	SRSS	749	0		1.00	1.00	(18) OCC	3595	22211		
A100F+	Max P				(3a)			4844	16700		
	GR + Max P	81	23		1.00	1.00	(18) SUST	2467	16700		
	Cold to T1	0	1385	0	1.00	1.00	(17) DISP	5171	25050		
	SRSS	0	749		1.00	1.00	(18) OCC	3595	22211		
A101	Max P				(3a)			4844	16700		
	GR + Max P	109	21		1.00	1.00	(18) SUST	2598	16700		
	Cold to T1	0	1304	0	1.00	1.00	(17) DISP	4870	25050		
	SRSS	0	693		1.00	1.00	(18) OCC	3327	22211		
A102	Max P				(3a)			4844	16700		
	GR + Max P	274	14		1.00	1.00	(18) SUST	3383	16700		
	Cold to T1	0	809	0	1.00	1.00	(17) DISP	3019	25050		
	SRSS	0	1104		1.00	1.00	(18) OCC	5299	22211		
A103	Max P				(3a)			4844	16700		
	GR + Max P	207	4		1.00	1.00	(18) SUST	3056	16700		
	Cold to T1	0	189	0	1.00	1.00	(17) DISP	705	25050		
	SRSS	0	294		1.00	1.00	(18) OCC	1412	22211		
A104	Max P				(3a)			4844	16700		
	GR + Max P	225	1		1.00	1.00	(18) SUST	3142	16700		
	Cold to T1	0	49	0	1.00	1.00	(17) DISP	185	25050		
	SRSS	0	78		1.00	1.00	(18) OCC	376	22211		
A105	Max P				(3a)			4844	16700		
	GR + Max P	220	0		1.00	1.00	(18) SUST	3119	16700		
	Cold to T1	0	121	0	1.00	1.00	(17) DISP	450	25050		
	SRSS	0	21		1.00	1.00	(18) OCC	101	22211		
A106	Max P				(3a)			4844	16700		
	GR + Max P	221	0		1.00	1.00	(18) SUST	3126	16700		
	Cold to T1	0	34	0	1.00	1.00	(17) DISP	128	25050		
	SRSS	0	6		1.00	1.00	(18) OCC	29	22211		
A107	Max P				(3a)			4844	16700		
	GR + Max P	221	0		1.00	1.00	(18) SUST	3123	16700		
	Cold to T1	0	17	0	1.00	1.00	(17) DISP	64	25050		
	SRSS	0	3		1.00	1.00	(18) OCC	14	22211		

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)		CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.	
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type			
A107 +	Max P						(3a)	HOOP	4844	16700
	GR + Max P	224	0		1.00	1.00	(18)	SUST	3137	16700
	Cold to T1	9	1	19	1.00	1.00	(17)	DISP	80	25050
	SRSS	0	0		1.00	1.00	(18)	OCC	2	22211
A108	Max P						(3a)	HOOP	4844	16700
	GR + Max P	215	0		1.00	1.00	(18)	SUST	3098	16700
	Cold to T1	19	3	19	1.00	1.00	(17)	DISP	101	25050
	SRSS	0	1		1.00	1.00	(18)	OCC	4	22211
A109	Max P						(3a)	HOOP	4844	16700
	GR + Max P	240	0		1.00	1.00	(18)	SUST	3217	16700
	Cold to T1	66	10	19	1.00	1.00	(17)	DISP	258	25050
	SRSS	0	3		1.00	1.00	(18)	OCC	15	22211
A110	Max P						(3a)	HOOP	4844	16700
	GR + Max P	148	0		1.00	1.00	(18)	SUST	2777	16700
	Cold to T1	245	38	19	1.00	1.00	(17)	DISP	929	25050
	SRSS	0	12		1.00	1.00	(18)	OCC	57	22211
A111	Max P						(3a)	HOOP	4844	16700
	GR + Max P	86	2		1.00	1.00	(18)	SUST	2477	16700
	Cold to T1	72	136	11	1.00	1.00	(17)	DISP	575	25050
	SRSS	1	49		1.00	1.00	(18)	OCC	235	22211
A112	Max P						(3a)	HOOP	4844	16700
	GR + Max P	120	2		1.00	1.00	(18)	SUST	2638	16700
	Cold to T1	280	233	11	1.00	1.00	(17)	DISP	1360	25050
	SRSS	0	83		1.00	1.00	(18)	OCC	400	22211
I112	Max P						(3a)	HOOP	4844	16700
	GR + Max P	184	3		1.00	1.00	(18)	SUST	2949	16700
	Cold to T1	107	293	11	1.00	1.00	(17)	DISP	1166	25050
	SRSS	1	231		1.00	1.00	(18)	OCC	1111	22211
I113	Max P						(3a)	HOOP	4844	16700
	GR + Max P	214	9		1.00	1.00	(18)	SUST	3092	16700
	Cold to T1	150	646	11	1.00	1.00	(17)	DISP	2476	25050
	SRSS	5	848		1.00	1.00	(18)	OCC	4070	22211
A113	Max P						(3a)	HOOP	4844	16700
	GR + Max P	36	25		1.00	1.00	(18)	SUST	2274	16700
	Cold to T1	55	1760	3	1.00	1.00	(17)	DISP	6574	25050
	SRSS	20	284		1.00	1.00	(18)	OCC	1366	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)		CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.	
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type			
A114N-	Max P						(3a)	HOOP	4844	16700
	GR + Max P	20	27		1.00	1.00	(18)	SUST	2225	16700
	Cold to T1	52	1870	3	1.00	1.00	(17)	DISP	6983	25050
	SRSS	17	325		1.00	1.00	(18)	OCC	1562	22211
A114N+	Max P						(3a)	HOOP	4844	16700
	GR + Max P	27	20		1.00	1.00	(18)	SUST	2225	16700
	Cold to T1	1870	52	3	1.00	1.00	(17)	DISP	6983	25050
	SRSS	325	17		1.00	1.00	(18)	OCC	1562	22211
A114M	Max P						(3a)	HOOP	4844	16700
	GR + Max P	31	14		1.00	1.00	(18)	SUST	2224	16700
	Cold to T1	2122	20	33	1.00	1.00	(17)	DISP	7923	25050
	SRSS	499	1		1.00	1.00	(18)	OCC	2394	22211
A114F-	Max P						(3a)	HOOP	4844	16700
	GR + Max P	31	114		1.00	1.00	(18)	SUST	2629	16700
	Cold to T1	1702	23	31	1.00	1.00	(17)	DISP	6354	25050
	SRSS	547	15		1.00	1.00	(18)	OCC	2629	22211
A114F+	Max P						(3a)	HOOP	4844	16700
	GR + Max P	115	24		1.00	1.00	(18)	SUST	2629	16700
	Cold to T1	122	1697	31	1.00	1.00	(17)	DISP	6354	25050
	SRSS	16	547		1.00	1.00	(18)	OCC	2629	22211
A115	Max P						(3a)	HOOP	4844	16700
	GR + Max P	150	22		1.00	1.00	(18)	SUST	2793	16700
	Cold to T1	117	1564	31	1.00	1.00	(17)	DISP	5856	25050
	SRSS	13	544		1.00	1.00	(18)	OCC	2613	22211
A116	Max P						(3a)	HOOP	4844	16700
	GR + Max P	93	24		1.00	1.00	(18)	SUST	2524	16700
	Cold to T1	40	1751	31	1.00	1.00	(17)	DISP	6541	25050
	SRSS	5	385		1.00	1.00	(18)	OCC	1849	22211
A117N-	Max P						(3a)	HOOP	4844	16700
	GR + Max P	65	26		1.00	1.00	(18)	SUST	2400	16700
	Cold to T1	35	1885	31	1.00	1.00	(17)	DISP	7038	25050
	SRSS	4	376		1.00	1.00	(18)	OCC	1805	22211
A117N+	Max P						(3a)	HOOP	4844	16700
	GR + Max P	26	65		1.00	1.00	(18)	SUST	2400	16700
	Cold to T1	1885	35	31	1.00	1.00	(17)	DISP	7038	25050
	SRSS	376	4		1.00	1.00	(18)	OCC	1805	22211

10/2/96

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE		(Stress in psi)			
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Code type	Code Stress	Code Allow.
A117M	Max P						(3a)	HOOP	4844	16700
	GR + Max P	32	14		1.00	1.00	(18)	SUST	2322	16700
	Cold to T1	2305	22	8	1.00	1.00	(17)	DISP	8605	25050
	SRSS	317	3		1.00	1.00	(18)	OCC	1523	22211
A117F-	Max P						(3a)	HOOP	4844	16700
	GR + Max P	28	70		1.00	1.00	(18)	SUST	2439	16700
	Cold to T1	2053	4	0	1.00	1.00	(17)	DISP	7663	25050
	SRSS	238	0		1.00	1.00	(18)	OCC	1144	22211
A117F+	Max P						(3a)	HOOP	4844	16700
	GR + Max P	70	28		1.00	1.00	(18)	SUST	2428	16700
	Cold to T1	4	2053	0	1.00	1.00	(17)	DISP	7663	25050
	SRSS	0	238		1.00	1.00	(18)	OCC	1144	22211
A118	Max P						(3a)	HOOP	4844	16700
	GR + Max P	93	27		1.00	1.00	(18)	SUST	2527	16700
	Cold to T1	9	1944	0	1.00	1.00	(17)	DISP	7258	25050
	SRSS	1	223		1.00	1.00	(18)	OCC	1070	22211
A119	Max P						(3a)	HOOP	4844	16700
	GR + Max P	329	16		1.00	1.00	(18)	SUST	3644	16700
	Cold to T1	2	1055	0	1.00	1.00	(17)	DISP	3937	25050
	SRSS	0	580		1.00	1.00	(18)	OCC	2783	22211
A120	Max P						(3a)	HOOP	4844	16700
	GR + Max P	269	4		1.00	1.00	(18)	SUST	3355	16700
	Cold to T1	1	351	0	1.00	1.00	(17)	DISP	1309	25050
	SRSS	0	155		1.00	1.00	(18)	OCC	742	22211
A121	Max P						(3a)	HOOP	4844	16700
	GR + Max P	285	1		1.00	1.00	(18)	SUST	3432	16700
	Cold to T1	0	158	0	1.00	1.00	(17)	DISP	591	25050
	SRSS	0	41		1.00	1.00	(18)	OCC	198	22211
A122	Max P						(3a)	HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18)	SUST	3411	16700
	Cold to T1	0	42	0	1.00	1.00	(17)	DISP	158	25050
	SRSS	0	11		1.00	1.00	(18)	OCC	53	22211
A123	Max P						(3a)	HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18)	SUST	3417	16700
	Cold to T1	0	11	0	1.00	1.00	(17)	DISP	42	25050
	SRSS	0	3		1.00	1.00	(18)	OCC	14	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE		(Stress in psi)			
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Code type	Code Stress	Code Allow.
A124	Max P						(3a)	HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18)	SUST	3415	16700
	Cold to T1	0	3	0	1.00	1.00	(17)	DISP	12	25050
	SRSS	0	1		1.00	1.00	(18)	OCC	4	22211
A125 -	Max P						(3a)	HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18)	SUST	3416	16700
	Cold to T1	0	2	0	1.00	1.00	(17)	DISP	6	25050
	SRSS	0	0		1.00	1.00	(18)	OCC	2	22211
A125 +	Max P						(3a)	HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18)	SUST	3415	16700
	Cold to T1	0	1	7	1.00	1.00	(17)	DISP	24	25050
	SRSS	0	1		1.00	1.00	(18)	OCC	2	22211
A126	Max P						(3a)	HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18)	SUST	3414	16700
	Cold to T1	0	1	7	1.00	1.00	(17)	DISP	25	25050
	SRSS	0	1		1.00	1.00	(18)	OCC	5	22211
A127	Max P						(3a)	HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18)	SUST	3416	16700
	Cold to T1	0	4	7	1.00	1.00	(17)	DISP	28	25050
	SRSS	0	4		1.00	1.00	(18)	OCC	18	22211
A128	Max P						(3a)	HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18)	SUST	3411	16700
	Cold to T1	0	15	7	1.00	1.00	(17)	DISP	60	25050
	SRSS	0	14		1.00	1.00	(18)	OCC	66	22211
A129	Max P						(3a)	HOOP	4844	16700
	GR + Max P	284	1		1.00	1.00	(18)	SUST	3427	16700
	Cold to T1	1	55	7	1.00	1.00	(17)	DISP	207	25050
	SRSS	0	51		1.00	1.00	(18)	OCC	246	22211
A130	Max P						(3a)	HOOP	4844	16700
	GR + Max P	272	4		1.00	1.00	(18)	SUST	3368	16700
	Cold to T1	4	206	7	1.00	1.00	(17)	DISP	771	25050
	SRSS	0	192		1.00	1.00	(18)	OCC	921	22211
A131	Max P						(3a)	HOOP	4844	16700
	GR + Max P	318	16		1.00	1.00	(18)	SUST	3592	16700
	Cold to T1	16	1028	7	1.00	1.00	(17)	DISP	3838	25050
	SRSS	0	720		1.00	1.00	(18)	OCC	3454	22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)		Torsion		S.I.F		(Stress in psi)	
		In-Pl. Moment	Out-Pl. Moment	In	Out	Eq. Load	Code Stress	Code Allow.	
A132	Max P						(3a)	HOOP	4844 16700
	GR + Max P	133	34			1.00	1.00	(18)	SUST 2722 16700
	Cold to T1	60	2546	7		1.00	1.00	(17)	DISP 9508 25050
	SRSS	1	352			1.00	1.00	(18)	OCC 1689 22211
A133N-	Max P						(3a)	HOOP	4844 16700
	GR + Max P	103	36			1.00	1.00	(18)	SUST 2589 16700
	Cold to T1	94	2675	7		1.00	1.00	(17)	DISP 9993 25050
	SRSS	1	377			1.00	1.00	(18)	OCC 1809 22211
A133N+	Max P						(3a)	HOOP	4844 16700
	GR + Max P	27	106			1.00	1.00	(18)	SUST 2589 16700
	Cold to T1	2674	128	7		1.00	1.00	(17)	DISP 9993 25050
	SRSS	376	31			1.00	1.00	(18)	OCC 1809 22211
A133M	Max P						(3a)	HOOP	4844 16700
	GR + Max P	37	7			1.00	1.00	(18)	SUST 2242 16700
	Cold to T1	2891	15	40		1.00	1.00	(17)	DISP 10795 25050
	SRSS	484	24			1.00	1.00	(18)	OCC 2326 22211
A133F-	Max P						(3a)	HOOP	4844 16700
	GR + Max P	26	18			1.00	1.00	(18)	SUST 2217 16700
	Cold to T1	2168	150	28		1.00	1.00	(17)	DISP 8112 25050
	SRSS	526	1			1.00	1.00	(18)	OCC 2523 22211
A133F+	Max P						(3a)	HOOP	4844 16700
	GR + Max P	18	26			1.00	1.00	(18)	SUST 2217 16700
	Cold to T1	150	2168	28		1.00	1.00	(17)	DISP 8112 25050
	SRSS	1	526			1.00	1.00	(18)	OCC 2523 22211
A134	Max P						(3a)	HOOP	4844 16700
	GR + Max P	40	23			1.00	1.00	(18)	SUST 2285 16700
	Cold to T1	174	1955	0		1.00	1.00	(17)	DISP 7328 25050
	SRSS	1	527			1.00	1.00	(18)	OCC 2529 22211
I134	Max P						(3a)	HOOP	4844 16700
	GR + Max P	44	30			1.00	1.00	(18)	SUST 2320 16700
	Cold to T1	174	1956	28		1.00	1.00	(17)	DISP 7331 25050
	SRSS	1	527			1.00	1.00	(18)	OCC 2529 22211
A135N-	Max P						(3a)	HOOP	4844 16700
	GR + Max P	22	33			1.00	1.00	(18)	SUST 2254 16700
	Cold to T1	150	2168	28		1.00	1.00	(17)	DISP 8115 25050
	SRSS	1	525			1.00	1.00	(18)	OCC 2520 22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)		Torsion		S.I.F		(Stress in psi)	
		In-Pl. Moment	Out-Pl. Moment	In	Out	Eq. Load	Code Stress	Code Allow.	
A135N+	Max P						(3a)	HOOP	4844 16700
	GR + Max P	33	22			1.00	1.00	(18)	SUST 2254 16700
	Cold to T1	2168	150	28		1.00	1.00	(17)	DISP 8115 25050
	SRSS	525	1			1.00	1.00	(18)	OCC 2520 22211
A135M	Max P						(3a)	HOOP	4844 16700
	GR + Max P	42	7			1.00	1.00	(18)	SUST 2268 16700
	Cold to T1	2892	15	40		1.00	1.00	(17)	DISP 10798 25050
	SRSS	483	24			1.00	1.00	(18)	OCC 2323 22211
A135F-	Max P						(3a)	HOOP	4844 16700
	GR + Max P	45	103			1.00	1.00	(18)	SUST 2602 16700
	Cold to T1	2675	128	7		1.00	1.00	(17)	DISP 9996 25050
	SRSS	375	31			1.00	1.00	(18)	OCC 1807 22211
A135F+	Max P						(3a)	HOOP	4844 16700
	GR + Max P	106	36			1.00	1.00	(18)	SUST 2602 16700
	Cold to T1	94	2676	7		1.00	1.00	(17)	DISP 9996 25050
	SRSS	0	376			1.00	1.00	(18)	OCC 1807 22211
A136	Max P						(3a)	HOOP	4844 16700
	GR + Max P	135	35			1.00	1.00	(18)	SUST 2731 16700
	Cold to T1	60	2547	7		1.00	1.00	(17)	DISP 9510 25050
	SRSS	1	352			1.00	1.00	(18)	OCC 1688 22211
A137	Max P						(3a)	HOOP	4844 16700
	GR + Max P	318	15			1.00	1.00	(18)	SUST 3592 16700
	Cold to T1	16	1030	7		1.00	1.00	(17)	DISP 3845 25050
	SRSS	0	719			1.00	1.00	(18)	OCC 3451 22211
A138	Max P						(3a)	HOOP	4844 16700
	GR + Max P	272	4			1.00	1.00	(18)	SUST 3368 16700
	Cold to T1	4	207	7		1.00	1.00	(17)	DISP 773 25050
	SRSS	0	192			1.00	1.00	(18)	OCC 920 22211
A139	Max P						(3a)	HOOP	4844 16700
	GR + Max P	284	1			1.00	1.00	(18)	SUST 3427 16700
	Cold to T1	1	55	7		1.00	1.00	(17)	DISP 207 25050
	SRSS	0	51			1.00	1.00	(18)	OCC 246 22211
A140	Max P						(3a)	HOOP	4844 16700
	GR + Max P	281	0			1.00	1.00	(18)	SUST 3411 16700
	Cold to T1	0	15	7		1.00	1.00	(17)	DISP 60 25050
	SRSS	0	14			1.00	1.00	(18)	OCC 66 22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)				(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F	Eq. Load	Code		
A141	Max P	282	0			(3a) HOOP	4844	16700	
	GR + Max P	0	4	7	1.00 1.00	(18) SUST	3416	16700	
	Cold to T1	0	4		1.00 1.00	(17) DISP	28	25050	
	SRSS	0	4		1.00 1.00	(18) OCC	18	22211	
A142	Max P	281	0			(3a) HOOP	4844	16700	
	GR + Max P	0	1	7	1.00 1.00	(18) SUST	3414	16700	
	Cold to T1	0	1		1.00 1.00	(17) DISP	25	25050	
	SRSS	0	1		1.00 1.00	(18) OCC	5	22211	
A143 -	Max P	282	0			(3a) HOOP	4844	16700	
	GR + Max P	0	1	7	1.00 1.00	(18) SUST	3415	16700	
	Cold to T1	0	1		1.00 1.00	(17) DISP	24	25050	
	SRSS	0	1		1.00 1.00	(18) OCC	2	22211	
A143 +	Max P	282	0			(3a) HOOP	4844	16700	
	GR + Max P	0	15	0	1.00 1.00	(18) SUST	3416	16700	
	Cold to T1	0	0		1.00 1.00	(17) DISP	56	25050	
	SRSS	0	0		1.00 1.00	(18) OCC	1	22211	
A144	Max P	281	0			(3a) HOOP	4844	16700	
	GR + Max P	0	30	0	1.00 1.00	(18) SUST	3415	16700	
	Cold to T1	0	1		1.00 1.00	(17) DISP	113	25050	
	SRSS	0	1		1.00 1.00	(18) OCC	2	22211	
A145	Max P	282	0			(3a) HOOP	4844	16700	
	GR + Max P	0	106	0	1.00 1.00	(18) SUST	3417	16700	
	Cold to T1	0	2		1.00 1.00	(17) DISP	397	25050	
	SRSS	0	2		1.00 1.00	(18) OCC	9	22211	
A146	Max P	281	0			(3a) HOOP	4844	16700	
	GR + Max P	0	101	0	1.00 1.00	(18) SUST	3411	16700	
	Cold to T1	0	7		1.00 1.00	(17) DISP	378	25050	
	SRSS	0	7		1.00 1.00	(18) OCC	32	22211	
A147	Max P	285	1			(3a) HOOP	4844	16700	
	GR + Max P	0	105	0	1.00 1.00	(18) SUST	3432	16700	
	Cold to T1	0	25		1.00 1.00	(17) DISP	393	25050	
	SRSS	0	25		1.00 1.00	(18) OCC	120	22211	
A148	Max P	269	5			(3a) HOOP	4844	16700	
	GR + Max P	0	326	0	1.00 1.00	(18) SUST	3354	16700	
	Cold to T1	0	94		1.00 1.00	(17) DISP	1216	25050	
	SRSS	0	94		1.00 1.00	(18) OCC	452	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)				(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F	Eq. Load	Code		
A149	Max P	330	19			(3a) HOOP	4844	16700	
	GR + Max P	0	1202	0	1.00 1.00	(18) SUST	3650	16700	
	Cold to T1	0	353		1.00 1.00	(17) DISP	4488	25050	
	SRSS	0	353		1.00 1.00	(18) OCC	1693	22211	
A150	Max P	90	24			(3a) HOOP	4844	16700	
	GR + Max P	0	1596	0	1.00 1.00	(18) SUST	2512	16700	
	Cold to T1	0	236		1.00 1.00	(17) DISP	5958	25050	
	SRSS	0	236		1.00 1.00	(18) OCC	1134	22211	
A151N-	Max P	64	26			(3a) HOOP	4844	16700	
	GR + Max P	0	1697	0	1.00 1.00	(18) SUST	2394	16700	
	Cold to T1	0	245		1.00 1.00	(17) DISP	6335	25050	
	SRSS	0	245		1.00 1.00	(18) OCC	1177	22211	
A151N+	Max P	26	64			(3a) HOOP	4844	16700	
	GR + Max P	1697	0	0	1.00 1.00	(18) SUST	2394	16700	
	Cold to T1	245	0		1.00 1.00	(17) DISP	6335	25050	
	SRSS	245	0		1.00 1.00	(18) OCC	1177	22211	
A151M	Max P	29	8			(3a) HOOP	4844	16700	
	GR + Max P	1941	0	0	1.00 1.00	(18) SUST	2209	16700	
	Cold to T1	261	0		1.00 1.00	(17) DISP	7245	25050	
	SRSS	261	0		1.00 1.00	(18) OCC	1255	22211	
A151F-	Max P	24	40			(3a) HOOP	4844	16700	
	GR + Max P	1569	0	0	1.00 1.00	(18) SUST	2289	16700	
	Cold to T1	233	0		1.00 1.00	(17) DISP	5859	25050	
	SRSS	233	0		1.00 1.00	(18) OCC	1119	22211	
A151F+	Max P	40	24			(3a) HOOP	4844	16700	
	GR + Max P	0	1569	0	1.00 1.00	(18) SUST	2289	16700	
	Cold to T1	0	233		1.00 1.00	(17) DISP	5859	25050	
	SRSS	0	233		1.00 1.00	(18) OCC	1119	22211	
A152	Max P	64	22			(3a) HOOP	4844	16700	
	GR + Max P	0	1449	0	1.00 1.00	(18) SUST	2391	16700	
	Cold to T1	0	227		1.00 1.00	(17) DISP	5410	25050	
	SRSS	0	227		1.00 1.00	(18) OCC	1088	22211	
A153	Max P	295	27			(3a) HOOP	4844	16700	
	GR + Max P	0	1694	0	1.00 1.00	(18) SUST	3484	16700	
	Cold to T1	0	98		1.00 1.00	(17) DISP	6324	25050	
	SRSS	0	98		1.00 1.00	(18) OCC	471	22211	

12/24/96

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE									
		(Moments in ft-lb)				(Stress in psi)			()		
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In Out	Eq. Load no. type	Code Stress	Code Allow.	In	Out	Code Allow.
A154	Max P GR + Max P Cold to T1 SRSS	96 0 0	10 670 242		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2527 2501 1163	16700 16700 25050 22211			
A155	Max P GR + Max P Cold to T1 SRSS	249 0 0	10 570 598		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 3260 2127 2872	16700 16700 25050 22211			
A156	Max P GR + Max P Cold to T1 SRSS	188 0 0	9 612 820		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2970 2286 3937	16700 16700 25050 22211			
A157N-	Max P GR + Max P Cold to T1 SRSS	147 0 0	10 658 860		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2774 2457 4130	16700 16700 25050 22211			
A157N+	Max P GR + Max P Cold to T1 SRSS	10 658 860	147 0 0		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2774 2457 4130	16700 16700 25050 22211			
A157M	Max P GR + Max P Cold to T1 SRSS	10 676 884	12 0 0		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2139 2523 4241	16700 16700 25050 22211			
A157F-	Max P GR + Max P Cold to T1 SRSS	4 286 587	49 0 0		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2303 1067 2818	16700 16700 25050 22211			
A157F+	Max P GR + Max P Cold to T1 SRSS	49 0 0	4 286 587		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2303 1067 2818	16700 16700 25050 22211			
A159	Max P GR + Max P Cold to T1 SRSS	37 0 0	4 206 417		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2244 769 2000	16700 16700 25050 22211			

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE									
		(Moments in ft-lb)				(Stress in psi)			()		
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In Out	Eq. Load no. type	Code Stress	Code Allow.	In	Out	Code Allow.
A160N-	Max P GR + Max P Cold to T1 SRSS	16 0 0	5 307 438		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2527 2501 1163	16700 16700 25050 22211			
A160N+	Max P GR + Max P Cold to T1 SRSS	5 307 438	16 0 0		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2527 2501 1163	16700 16700 25050 22211			
A160M	Max P GR + Max P Cold to T1 SRSS	11 697 672	20 0 0		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2970 2286 3937	16700 16700 25050 22211			
A160F-	Max P GR + Max P Cold to T1 SRSS	11 679 667	70 0 0		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2774 2457 4130	16700 16700 25050 22211			
A160F+	Max P GR + Max P Cold to T1 SRSS	70 0 0	11 679 667		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2774 2457 4130	16700 16700 25050 22211			
A161	Max P GR + Max P Cold to T1 SRSS	100 0 0	10 634 630		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2139 2523 4241	16700 16700 25050 22211			
A162	Max P GR + Max P Cold to T1 SRSS	250 0 0	6 369 522		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2303 1067 2818	16700 16700 25050 22211			
A163 -	Max P GR + Max P Cold to T1 SRSS	308 0 0	3 184 260		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2303 1067 2818	16700 16700 25050 22211			
A163 +	Max P GR + Max P Cold to T1 SRSS	332 0 0	7 495 0		1.00 1.00 0 1.00 1.00 1.00 1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	4844 2244 769 2000	16700 16700 25050 22211			

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.	
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	no. type			
A164	Max P GR + Max P Cold to T1 SRSS	200 0 0	14 993 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 3027 3707 0	16700 16700 25050 22211
A165	Max P GR + Max P Cold to T1 SRSS	132 0 0	21 1536 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2704 5735 0	16700 16700 25050 22211
A166N-	Max P GR + Max P Cold to T1 SRSS	97 0 0	23 1685 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2539 6292 0	16700 16700 25050 22211
A166N+	Max P GR + Max P Cold to T1 SRSS	23 1685 0	97 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2539 6292 0	16700 16700 25050 22211
A166M	Max P GR + Max P Cold to T1 SRSS	26 1883 0	36 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2274 7030 0	16700 16700 25050 22211
A166F-	Max P GR + Max P Cold to T1 SRSS	13 945 0	32 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2230 3526 0	16700 16700 25050 22211
A166F+	Max P GR + Max P Cold to T1 SRSS	32 0 0	13 945 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2230 3526 0	16700 16700 25050 22211
A168	Max P GR + Max P Cold to T1 SRSS	91 0 0	6 407 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2502 1521 0	16700 16700 25050 22211
A169N-	Max P GR + Max P Cold to T1 SRSS	64 0 0	9 667 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2374 2490 0	16700 16700 25050 22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.	
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	no. type			
A169N+	Max P GR + Max P Cold to T1 SRSS	9 -667 0	64 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2374 2490 0	16700 16700 25050 22211
A169M	Max P GR + Max P Cold to T1 SRSS	22 1606 0	28 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2233 5994 0	16700 16700 25050 22211
A169F-	Max P GR + Max P Cold to T1 SRSS	19 1408 0	12 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 5255 0 0	16700 16700 25050 22211
A169F+	Max P GR + Max P Cold to T1 SRSS	12 0 0	19 1408 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2171 5255 0	16700 16700 25050 22211
A170	Max P GR + Max P Cold to T1 SRSS	35 0 0	17 1259 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2249 4699 0	16700 16700 25050 22211
A171	Max P GR + Max P Cold to T1 SRSS	112 0 0	15 1045 0		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	4844 2606 3902 0	16700 16700 25050 22211

*** Segment A end ***

JUN 1997

SYSTEM SUMMARY

Maximum displacements (in)

Maximum X :	-1.861	Point : A43 M	Load Comb. : SUM
Maximum Y :	0.908	Point : A43 M	Load Comb. : TOTAL
Maximum Z :	1.690	Point : A95 M	Load Comb. : TOTAL
Max. total:	2.314	Point : A43 M	Load Comb. : TOTAL

Maximum rotations (deg)

Maximum X :	0.268	Point : A44	Load Comb. : TOTAL
Maximum Y :	1.246	Point : 176	Load Comb. : TOTAL
Maximum Z :	0.656	Point : A42	Load Comb. : TOTAL
Max. total:	1.249	Point : A76	Load Comb. : TOTAL

Maximum restraint forces(lb)

Maximum X :	1047	Point : A00	Load Comb. : TOTAL
Maximum Y :	532	Point : A41	Load Comb. : TOTAL
Maximum Z :	1218	Point : A01	Load Comb. : TOTAL
Max. total:	1322	Point : A01	Load Comb. : TOTAL

Maximum restraint moments(ft-lb)

Maximum X :	223	Point : A00	Load Comb. : GR
Maximum Y :	1490	Point : A00	Load Comb. : TOTAL
Maximum Z :	-437	Point : A00	Load Comb. : GR
Max. total:	1568	Point : A00	Load Comb. : TOTAL

SYSTEM SUMMARY

Maximum sustained stress

Point	:	A41
Stress	psi	: 8128
Allowable	psi	: 16700
Ratio	:	: 0.49
Load combination	:	: GR + Max P

Maximum displacement stress

Point	:	A43 M
Stress	psi	: 16758
Allowable	psi	: 25050
Ratio	:	: 0.67
Load combination	:	: Cold to T1

Maximum occasional stress

Point	:	A102
Stress	psi	: 5299
Allowable	psi	: 22211
Ratio	:	: 0.24
Load combination	:	: SRSS

Maximum hoop stress

Point	:	A00
Stress	psi	: 4844
Allowable	psi	: 16700
Ratio	:	: 0.29
Load combination	:	: Max P

Maximum sustained stress ratio

Point	:	A41
Stress	psi	: 8128
Allowable	psi	: 16700
Ratio	:	: 0.49
Load combination	:	: GR + Max P

Maximum displacement stress ratio

Point	:	A43 M
Stress	psi	: 16758
Allowable	psi	: 25050
Ratio	:	: 0.67
Load combination	:	: Cold to T1

SYSTEM SUMMARY

Maximum occasional stress ratio

Point : A102
Stress psi : 5299
Allowable psi : 22211
Ratio : 0.24
Load combination : SRSS

Maximum hoop stress ratio

Point : A00
Stress psi : 4844
Allowable psi : 16700
Ratio : 0.29
Load combination : Max P

*** The system satisfies ASME B31.3 code requirements ***
*** for the selected options ***

Max occasional stress: $S_{UST} + S_{EISMIC}$

$$8128 \text{ psi} + 5299 \text{ psi} = 13427 \text{ psi}$$

$$\text{Ratio} = 0.60$$

Rev. 3
KH 11/18/97

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3.12.98

APPENDIX B

SUPERNATE LINE PROCESS PIPE

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
*** SEGMENT A						
A00	Run	0	0	0	PIPE-1	
A01	Run	-6.62	0	0		
A02	Run	-8.67	0	0		
A03	Bend	-1.50	0	0		Elbow, Radius = 40.00 inch Bend angle change = 45.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A04	Run	-1.06	0	1.06		
A05	Run	-7.78	0	7.78		
A06	Run	-7.78	0	7.78		
A07	Run	-7.78	0	7.78		
A08	Run	-7.78	0	7.78		
A085	Run	-4.23	0	4.23		
A09	Run	-3.06	0	3.06		
A10	Bend	-2.71	0	2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A11	Run	-2.71	0	-2.71		
A12	Run	-6.13	0	-6.13		
A13	Run	-8.49	0	-8.48		
A14	Run	-8.48	0	-8.48		
A15	Run	-8.48	0	-8.48		
A16	Run	-8.48	0	-8.48		
A17	Run	-8.48	0	-8.48		
A18	Run	-8.48	0	-8.48		
A19	Run	-8.48	0	-8.48		
A20	Run	-8.48	0	-8.48		
A21	Run	-8.48	0	-8.48		
A22	Run	-6.13	0	-6.13		
A23	Bend	-2.71	0	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A25	Run	3.66	0	-3.66		
A26	Bend	2.71	0	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A27	Run	-2.71	0.46	-2.71		

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
A28	Run	-5.83	0.98	-5.83		
A29	Run	-8.93	1.50	-8.93		
A30	Run	-8.93	1.50	-8.93		
A31	Run	-5.83	0.98	-5.83		
A32	Bend	-2.71	0.46	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 89.98 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A33	Run	-2.71	0	2.71		
A34	Run	-2.30	0	2.30		
A35	Bend	-2.71	0	2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A36	Run	-2.71	0	-2.71		
A37	Run	-6.94	0	-6.94		
A38	Run	-8.49	0	-8.48		
A39	Run	-8.49	0	-8.49		
A40	Run	-8.49	0	-8.48		
A41	Run	-8.49	0	-8.49		
A42	Run	-8.41	0	-8.41		
A43	Bend	-1.06	0	-1.06		Elbow, Radius = 40.00 inch Bend angle change = 44.96 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A44	Run	0	0	-1.50		
A45	Run	0	0	-13.01		
A46	Run	0	0	-13.50		
A47	Run	0	0	-13.50		
A48	Run	0	0	-12.75		
A49	Run	0	0	-12.75		
A50	Run	0	0	-12.75		
A51	Run	0	0	-12.75		
A52	Run	0	0	-12.75		
A53	Run	0	0	-12.75		
153	Run	0	0	-12.75		
A54	Run	0	0	-13.25		
A55	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000

POINT DATA LISTING

POINT NAME	TYPE	---OFFSETS (ft)---			PIPE ID	DESCRIPTION
		X	Y	Z		
A56	Run	-3.83	0	0		
A56	Run	-7.34	0	0		
A57	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A58	Run	0	0	-3.83		
A59	Run	0	0	-13.44		
A60	Run	0	0	-13.33		
A61	Run	0	0	-13.33		
A62	Run	0	0	-13.33		
A63	Run	0	0	-13.33		
A64	Run	0	0	-13.33		
A65	Run	0	0	-13.33		
A66	Run	0	0	-13.33		
A67	Run	0	0	-13.33		
A68	Run	0	0	-13.33		
A69	Run	0	0	-13.33		
A70	Run	0	0	-13.33		
A71	Run	0	0	-13.33		
A72	Run	0	0	-13.33		
A73	Run	0	0	-13.33		
A74	Run	0	0	-13.44		
A75	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A76	Run	-3.83	0.38	0		
A76	Run	-7.34	0.73	0		
A77	Bend	-3.83	0.38	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A78	Run	0	0	-3.83		
A79	Run	0	0	-13.44		
A80	Run	0	0	-13.33		
A81	Run	0	0	-13.33		
A82	Run	0	0	-13.33		
A83	Run	0	0	-13.33		
A84	Run	0	0	-13.33		
A85	Run	0	0	-13.33		
A86	Run	0	0	-13.33		
A87	Run	0	0	-13.33		

POINT DATA LISTING

POINT NAME	TYPE	---OFFSETS (ft)---			PIPE ID	DESCRIPTION
		X	Y	Z		
A88	Run	0	0	-13.33		
A89	Run	0	0	-13.33		
A90	Run	0	0	-13.33		
A91	Run	0	0	-13.33		
A92	Run	0	0	-13.33		
A93	Run	0	0	-13.33		
A94	Run	0	0	-13.44		
A95	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A96	Run	-3.83	0	0		
A97	Run	-11.25	0	0		
A98	Run	-11.84	0	0		
A99	Run	-11.25	0	0		
A100	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A101	Run	0	0	-3.83		
A102	Run	0	0	-13.00		
A103	Run	0	0	-12.25		
A104	Run	0	0	-12.25		
A105	Run	0	0	-12.25		
A106	Run	0	0	-12.25		
A107	Run	0	0	-12.25		
A108	Run	0	0	-12.25		
A109	Run	0	0	-12.25		
A110	Run	0	0	-12.25		
A111	Run	0	0	-2.88		
A112	Run	0	0.11	-1.62		
I112	Run	0	0.72	-11.00		
I113	Run	0	0.72	-11.00		
A113	Run	0	0.72	-11.00		
A114	Bend	0	0.22	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A115	Run	3.83	0	0		
A116	Run	12.34	0	0		
A117	Bend	3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
						SIF - In 1.00, Out = 1.00 Flex = 1.000
A118	Run	0	0	-3.83		
A119	Run	0	0	-13.74		
A120	Run	0	0	-13.83		
A121	Run	0	0	-13.83		
A122	Run	0	0	-13.83		
A123	Run	0	0	-13.83		
A124	Run	0	0	-13.83		
A125	Run	0	0	-13.83		
A126	Run	0	0	-13.83		
A127	Run	0	0	-13.83		
A128	Run	0	0	-13.83		
A129	Run	0	0	-13.83		
A130	Run	0	0	-13.83		
A131	Run	0	0	-13.83		
A132	Run	0	0	-13.74		
A133	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A134	Run	-3.83	0.37	0		
I134	Run	-9.34	0.91	0		
A135	Bend	-3.83	0.37	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A136	Run	0	0	-3.83		
A137	Run	0	0	-13.75		
A138	Run	0	0	-13.83		
A139	Run	0	0	-13.83		
A140	Run	0	0	-13.83		
A141	Run	0	0	-13.83		
A142	Run	0	0	-13.83		
A143	Run	0	0	-13.83		
A144	Run	0	0	-13.83		
A145	Run	0	0	-13.83		
A146	Run	0	0	-13.83		
A147	Run	0	0	-13.83		
A148	Run	0	0	-13.83		
A149	Run	0	0	-13.83		
A150	Run	0	0	-13.75		
A151	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
						Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A152	Run	-3.83	0	0		
A153	Run	-13.00	0	0		
A154	Run	-5.88	0	0		
A155	Run	-7.12	0	0		
A156	Run	-13.88	0	0		
A157	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A159	Run	0	0	-6.75		
A160	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A161	Run	-3.83	0	0		
A162	Run	-9.92	0	0		
A163	Run	-14.00	0	0		
A164	Run	-14.00	0	0		
A165	Bend	-4.50	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A166	Run	0	0	3.83		
A167	Run	0	0	6.17		

Total weight of empty pipes : 19324 lb

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
*** SEGMENT A			
A00	0.00 0.00 0.00	ANCHOR	Rigid Thermal movements : None
A01	-6.62 0.00 0.00	GUIDE	ID : A01 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A02	-15.29 0.00 0.00	DISPL INCLIN	Thermal 1 ID : A02 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A03 N	-15.41 0.00 0.00		
A03	-16.79 0.00 0.00	TI	
A03 M	-16.68 0.00 0.25		
A03 F	-17.77 0.00 0.98		
A04	-17.85 0.00 1.06	INCLIN	ID : A04 2, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A05	-25.63 0.00 8.84	GUIDE	ID : A04 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A06	-33.41 0.00 16.62	GUIDE	ID : A05 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A07	-41.19 0.00 24.40	GUIDE	ID : A06 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A08	-48.97 0.00 32.18	GUIDE	ID : A08 2, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A085	-53.20 0.00 36.41	DISPL	Gaps set Weightless Thermal 1
A09	-56.26 0.00 39.47	INCLIN	ID : A09 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A10 N	-56.61 0.00 39.82		
A10	-58.97 0.00 42.18	TI	
A10 M	-58.97 0.00 40.80		
A10 F	-61.33 0.00 39.82		
A11	-61.68 0.00 39.47	INCLIN	ID : A11 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A12	-67.81 0.00 33.34	GUIDE	ID : A12 2, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A13	-76.30 0.00 24.86	DISPL GUIDE	Thermal 1 ID : A13 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A14	-84.78 0.00 16.38	DISPL GUIDE	Thermal 1 ID : A14 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A15	-93.26 0.00 7.90	DISPL GUIDE	Thermal 1 ID : A15 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A16	-101.74 0.00 -0.58	GUIDE	ID : A16 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch

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COMPONENT DATA LISTING

POINT	---COORDINATE(ft)	Y	Z	TYPE	DESCRIPTION
A17	-110.22	-9.06	ANCHOR	Right	Thermal movements : None
A18	-118.71	-17.54	GUIDE	ID : A18 1, Connected to Ground	Stiffness = RIGID
A19	-127.19	-26.02	GUIDE	ID : A19 1, Connected to Ground	Stiffness = RIGID
A20	-135.67	-34.51	GUIDE	ID : A20 1, Connected to Ground	Stiffness = RIGID
A21	-144.16	-42.99	GUIDE	ID : A21 1, Connected to Ground	Stiffness = RIGID
A22	-150.29	-49.13	INCLIN	ID : A22 1, Connected to Ground	Along global Y direction
A23 N	-150.64	0.00			Friction = 0.15
A23 M	-151.62	0.00			gap-Minus = 0.00, Plus = 0.12 inch
A23 F	-150.64	0.00			Friction = 0.15
A26 N	-148.99	-55.85			Gaps set Weightless
A26 M	-146.63	0.00			Stiffness = RIGID
A26 F	-148.97	0.40			Friction = 0.15

COMPONENT DATA LISTING

POINT	---COORDINATE(ft)	Y	Z	TYPE	DESCRIPTION
A27	-149.34	-60.91	INCLIN	ID : A27 1, Connected to Ground	Along global Y direction
A28	-155.17	-66.74	GUIDE	ID : A28 1, Connected to Ground	Stiffness = RIGID
A29	-164.10	-75.67	GUIDE	ID : A29 1, Connected to Ground	Stiffness = RIGID
A30	-173.03	-84.60	GUIDE	ID : A30 1, Connected to Ground	Stiffness = RIGID
A31	-178.86	-90.43	INCLIN	ID : A31 1, Connected to Ground	Along global Y direction
A32 N	-179.23	0.00			Friction = 0.15
A32 M	-181.57	0.00			gap-Minus = 0.00, Plus = 0.12 inch
A32 F	-183.93	0.00			Friction = 0.15
A33	-184.28	0.00			Gaps set Weightless
A34	-186.58	-88.14	INCLIN	ID : A34 1, Connected to Ground	Along global Y direction
A35 N	-186.93	0.00			Friction = 0.15
A35 M	-189.29	0.00			gap-Minus = 0.00, Plus = 0.12 inch
A35 F	-189.29	0.00			Friction = 0.15

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft)---			DATA TYPE	DESCRIPTION
	X	Y	Z		
A35 F	-191.64	5.89	-87.78		
A36	-191.99	5.89	-88.13	INCLIN	ID : A36 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A37	-198.93	5.89	-95.07	GUIDE	ID : A37 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A38	-207.42	5.89	-103.56	GUIDE	ID : A38 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A39	-215.90	5.89	-112.04	ANCHOR	Rigid Thermal movements : None
A40	-224.39	5.89	-120.53	GUIDE	ID : A40 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A41	-232.87	5.89	-129.01	GUIDE	ID : A41 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A42	-241.28	5.89	-137.42	DISPL	Thermal 1
A43 N	-241.36	5.89	-137.50		
A43	-242.34	5.89	-138.48	TI	
A43 M	-242.09	5.89	-138.58		
A44 F	-242.34	5.89	-139.86		
A44	-242.34	5.89	-139.98		
A45	-242.34	5.89	-152.99	GUIDE	ID : A45 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A46	-242.34	5.89	-166.49	DISPL GUIDE	Thermal 1 ID : A46 1, Connected to Ground Stiffness = RIGID

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft)---			DATA TYPE	DESCRIPTION
	X	Y	Z		
A47	-242.34	5.89	-179.99	DISPL GUIDE	Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1 ID : A47 1, Connected to Ground Stiffness = RIGID
A48	-242.34	5.89	-192.74	DISPL GUIDE	Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1 ID : A48 1, Connected to Ground Stiffness = RIGID
A49	-242.34	5.89	-205.49	ANCHOR	Rigid Thermal movements : None
A50	-242.34	5.89	-218.24	GUIDE	ID : A50 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A51	-242.34	5.89	-230.99	GUIDE	ID : A51 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A52	-242.34	5.89	-243.74	GUIDE	ID : A52 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A53	-242.34	5.89	-256.49	GUIDE	ID : A53 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
153	-242.34	5.89	-269.24	GUIDE	ID : 153 Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A54	-242.34 5.89 -282.49	INCLIN	Gaps set Weightless ID : A54 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A55 N	-242.34 5.89 -282.99		
A55	-242.34 5.89 -286.32	TI	
A55 M	-243.32 5.89 -285.34		
A55 F	-245.67 5.89 -286.32		
A56	-246.17 5.89 -286.32	INCLIN	ID : A56 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
156	-253.51 5.89 -286.32	INCLIN	ID : 156 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A57 N	-254.01 5.89 -286.32		
A57	-257.34 5.89 -286.32	TI	
A57 M	-256.36 5.89 -287.30		
A57 F	-257.34 5.89 -289.65		
A58	-257.34 5.89 -290.15	INCLIN	ID : A58 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A59	-257.34 5.89 -303.59	GUIDE	ID : A59 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A60	-257.34 5.89 -316.92	GUIDE	ID : A60 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A61	-257.34 5.89 -330.25	GUIDE	ID : A61 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A62	-257.34 5.89 -343.58	GUIDE	Friction = 0.15 Gaps set Weightless ID : A62 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A63	-257.34 5.89 -356.91	GUIDE	ID : A63 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A64	-257.34 5.89 -370.24	GUIDE	ID : A64 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A65	-257.34 5.89 -383.57	GUIDE	ID : A65 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A66	-257.34 5.89 -396.90	ANCHOR	Rigid Thermal movements : None
A67	-257.34 5.89 -410.23	GUIDE	ID : A67 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A68	-257.34 5.89 -423.56	GUIDE	ID : A68 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A69	-257.34 5.89 -436.89	GUIDE	ID : A69 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A70	-257.34 5.89 -450.22	GUIDE	ID : A70 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X	Y	Z	DATA TYPE	DESCRIPTION
A71	-257.34	5.89	-463.55	GUIDE	Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A71 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A72	-257.34	5.89	-476.88	GUIDE	ID : A72 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A73	-257.34	5.89	-490.21	GUIDE	ID : A73 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A74	-257.34	5.89	-503.65	INCLIN	ID : A74 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A75 N	-257.34	5.89	-504.15		
A75	-257.34	5.89	-507.48	TI	
A75 M	-258.31	5.98	-506.50		
A75 F	-260.66	6.22	-507.48		
A76	-261.17	6.22	-507.48	INCLIN	ID : A76 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
176	-268.51	7.00	-507.48	INCLIN	ID : 176 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A77 N	-269.02	7.05	-507.48		
A77	-272.34	7.39	-507.48	TI	
A77 M	-271.37	7.29	-508.46		
A77 F	-272.34	7.39	-510.81		
A78	-272.34	7.39	-511.31	INCLIN	ID : A78 1, Connected to Ground Along global Y direction

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X	Y	Z	DATA TYPE	DESCRIPTION
A79	-272.34	7.39	-524.75	GUIDE	Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless ID : A79 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A80	-272.34	7.39	-538.08	GUIDE	ID : A80 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A81	-272.34	7.39	-551.41	GUIDE	ID : A81 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A82	-272.34	7.39	-564.74	GUIDE	ID : A82 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A83	-272.34	7.39	-578.07	GUIDE	ID : A83 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A84	-272.34	7.39	-591.40	GUIDE	ID : A84 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A85	-272.34	7.39	-604.73	GUIDE	ID : A85 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A86	-272.34	7.39	-618.06	ANCHOR	Rigid Thermal movements : None
A87	-272.34	7.39	-631.39	GUIDE	ID : A87 1, Connected to Ground

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X	Y	Z	DATA TYPE	DESCRIPTION
					Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A88	-272.34	7.39	-644.72	GUIDE	ID : A88 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A89	-272.34	7.39	-658.05	GUIDE	ID : A89 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A90	-272.34	7.39	-671.38	DISPL THERMAL 1 GUIDE	ID : A90 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A91	-272.34	7.39	-684.71	DISPL THERMAL 1 GUIDE	ID : A91 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A92	-272.34	7.39	-698.04	DISPL THERMAL 1 GUIDE	ID : A92 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A93	-272.34	7.39	-711.37	DISPL THERMAL 1 GUIDE	ID : A93 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A94	-272.34	7.39	-724.81	DISPL INCLIN THERMAL 1	ID : A94 1, Connected to Ground Along global Y direction Stiffness = RIGID

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X	Y	Z	DATA TYPE	DESCRIPTION
					Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A95 N	-272.34	7.39	-725.31		
A95	-272.34	7.39	-728.64	TI	
A95 M	-273.32	7.39	-727.66		
A95 F	-275.67	7.39	-728.64		
A96	-276.17	7.39	-728.64	INCLIN	ID : A96 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A97	-287.42	7.39	-728.64	GUIDE	ID : A97 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A98	-299.26	7.39	-728.64	DISPL THERMAL 1 GUIDE	ID : A98 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A99	-310.51	7.39	-728.64	DISPL THERMAL 1 INCLIN	ID : A99 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A100N	-311.01	7.39	-728.64		
A100	-314.34	7.39	-728.64	TI	
A100M	-313.36	7.39	-729.62		
A100F	-314.34	7.39	-731.97		
A101	-314.34	7.39	-732.47	INCLIN	ID : A101 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A102	-314.34	7.39	-745.47	GUIDE	ID : A102 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A103	-314.34 7.39 -757.72	GUIDE	DISPL Thermal 1 ID : A103 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A104	-314.34 7.39 -769.97	GUIDE	DISPL Thermal 1 ID : A104 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A105	-314.34 7.39 -782.22	GUIDE	DISPL Thermal 1 ID : A105 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A106	-314.34 7.39 -794.47	GUIDE	DISPL Thermal 1 ID : A106 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A107	-314.34 7.39 -806.72	ANCHOR	Rigid Thermal movements : None
A108	-314.34 7.39 -818.97	GUIDE	DISPL Thermal 1 ID : A108 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A109	-314.34 7.39 -831.22	GUIDE	DISPL Thermal 1 ID : A109 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A110	-314.34 7.39 -843.47	GUIDE	DISPL Thermal 1 ID : A110 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A111	-314.34 7.39 -846.35		
A112	-314.34 7.49 -847.97	GUIDE	ID : A112 1, Connected to Ground

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
I112	-314.34 8.21 -858.97	GUIDE	Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : I112 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
I113	-314.34 8.93 -869.97	GUIDE	DISPL Thermal 1 ID : I113 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-Left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A113	-314.34 9.66 -880.97	INCLIN	DISPL Thermal 1 ID : A113 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A114N	-314.34 9.68 -881.47		
A114	-314.34 9.88 -884.80	TI	
A114H	-313.36 9.82 -885.82		
A114F	-311.01 9.88 -884.80		
A115	-310.51 9.88 -884.80	INCLIN	ID : A115 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A116	-298.17 9.88 -884.80	INCLIN	ID : A116 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A117N	-297.67 9.88 -884.80		
A117	-294.34 9.88 -884.80	TI	
A117M	-295.32 9.88 -885.78		
A117F	-294.34 9.88 -888.13		
A118	-294.34 9.88 -888.63	INCLIN	ID : A118 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X	Y	Z	DATA TYPE	DESCRIPTION
A119	-294.34	9.88	-902.37	GUIDE	Friction = 0.15 Gaps set Weightless ID : A119 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A120	-294.34	9.88	-916.20	DISPL GUIDE	Thermal 1 ID : A120 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A121	-294.34	9.88	-930.03	DISPL GUIDE	Thermal 1 ID : A121 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A122	-294.34	9.88	-943.86	GUIDE	ID : A122 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A123	-294.34	9.88	-957.69	GUIDE	ID : A123 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A124	-294.34	9.88	-971.52	GUIDE	ID : A124 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A125	-294.34	9.88	-985.35	ANCHOR	Rigid
A126	-294.34	9.88	-999.18	GUIDE	Thermal movements : None ID : A126 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A127	-294.34	9.88	-1013.01	GUIDE	ID : A127 1, Connected to Ground

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X	Y	Z	DATA TYPE	DESCRIPTION
A128	-294.34	9.88	-1026.84	GUIDE	Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A129	-294.34	9.88	-1040.67	GUIDE	ID : A128 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A130	-294.34	9.88	-1054.50	GUIDE	ID : A129 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A131	-294.34	9.88	-1068.33	GUIDE	ID : A130 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A132	-294.34	9.88	-1082.07	DISPL INCLIN	Thermal 1 ID : A131 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A133N	-294.34	9.88	-1082.57		
A133	-294.34	9.88	-1085.90	TI	
A133M	-295.31	9.97	-1084.92		
A133F	-297.66	10.20	-1085.90		
A134	-298.17	10.25	-1085.90	INCLIN	ID : A133 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
I134	-307.51	11.16	-1085.90	INCLIN	ID : A134 1, Connected to Ground Along global Y direction Stiffness = RIGID

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A135N	-308.02 11.21-1085.90		
A135	-311.34 11.54-1085.90	TI	
A135M	-310.37 11.44-1086.88		
A135F	-311.34 11.54-1089.23		
A136	-311.34 11.54-1089.73	INCLIN	ID : A136 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A137	-311.34 11.54-1103.48	GUIDE	ID : A137 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
		DISPL	Thermal 1
A138	-311.34 11.54-1117.31	GUIDE	ID : A138 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A139	-311.34 11.54-1131.14	GUIDE	ID : A139 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A140	-311.34 11.54-1144.97	GUIDE	ID : A140 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A141	-311.34 11.54-1158.80	GUIDE	ID : A141 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A142	-311.34 11.54-1172.63	GUIDE	ID : A142 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gaps set Weightless
A143	-311.34 11.54-1186.46	ANCHOR	Rigid Thermal movements = None
A144	-311.34 11.54-1200.29	GUIDE	ID : A144 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A145	-311.34 11.54-1214.12	GUIDE	ID : A145 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A146	-311.34 11.54-1227.95	GUIDE	ID : A146 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
		DISPL	Thermal 1
A147	-311.34 11.54-1241.78	GUIDE	ID : A147 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
		DISPL	Thermal 1
A148	-311.34 11.54-1255.61	GUIDE	ID : A148 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
		DISPL	Thermal 1
A149	-311.34 11.54-1269.44	GUIDE	ID : A149 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
		DISPL	Thermal 1
A150	-311.34 11.54-1283.19	INCLIN	ID : A150 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft)---			DATA TYPE	DESCRIPTION
	X	Y	Z		
A151N	-311.34	11.54-1283.69			
A151	-311.34	11.54-1287.02		TI	
A151M	-312.32	11.54-1286.04			
A151F	-314.67	11.54-1287.02			
A152	-315.17	11.54-1287.02		INCLIN	ID : A152 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A153	-328.17	11.54-1287.02		GUIDE	ID : A153 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A154	-334.05	11.54-1287.02		DISPL	Thermal 1
A155	-341.17	11.54-1287.02		GUIDE	ID : A155 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A156	-355.05	11.54-1287.02		INCLIN	ID : A156 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A157N	-355.55	11.54-1287.02			
A157	-358.88	11.54-1287.02		TI	
A157M	-357.90	11.54-1288.00			
A157F	-358.88	11.54-1290.35			
A159	-358.88	11.54-1293.77		INCLIN	ID : A158 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A160N	-358.88	11.54-1294.27			
A160	-358.88	11.54-1297.60		TI	
A160M	-359.86	11.54-1296.62			
A160F	-362.21	11.54-1297.60			
A161	-362.71	11.54-1297.60		INCLIN	ID : A161 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft)---			DATA TYPE	DESCRIPTION
	X	Y	Z		
A162	-372.63	11.54-1297.60		GUIDE	Gaps set Weightless ID : A162 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A163	-386.63	11.54-1297.60		ANCHOR	Rigid Thermal movements : None
A164	-400.63	11.54-1297.60		GUIDE	ID : A164 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A165N	-401.80	11.54-1297.60		DISPL	Thermal 1
A165	-405.13	11.54-1297.60		TI	
A165M	-404.15	11.54-1296.62			
A165F	-405.13	11.54-1294.27			
A166	-405.13	11.54-1293.77		INCLIN	ID : A167 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A167	-405.13	11.54-1287.60		ANCHOR	Rigid Thermal movements : None

Number of points in the system : 236

PIPE DATA LISTING

Pipe ID/ Material	Nom/ Sch	O.D. inch	Thickness(inch)				Spec Grav	Weight(lb/ft)			
			W.Th.	Corr	Mill	Insu		Ling	Pipe	Other	Total
PIPE-1	4	4.500	0.237	0.06	0.03	0	0	1.20	11.04	0	17.66
A312-TP304L	STD										

MATERIAL DATA LISTING

Material Name	Pipe ID	Density lb/cu.ft	Pois. Ratio	Temper. deg F	Modulus E6 psi	Expans. in/100ft	Allow. psi
A312-TP304L	PIPE-1	501.0	0.30	40.0 180.0	28.42	1.5442	16700.0 16700.0

TEMPERATURE AND PRESSURE DATA

POINT NAME	CASE 1			CASE 2			CASE 3		
	PRESS. psi	TEMPER deg F	EXPAN. in/100ft	PRESS. psi	TEMPER deg F	EXPAN. in/100ft	PRESS. psi	TEMPER deg F	EXPAN. in/100ft

*** SEGMENT A
 A00 325 180 1.544
 A167 325 180 1.544

THERMAL ANCHOR MOVEMENTS AND DISPLACEMENTS

POINT NAME	LOAD CASE	DX (in)	DY (in)	DZ (in)	RX (deg)	RY (deg)	RZ (deg)
A01	Thermal 1	0.00	0.00	-0.06	0.000	0.000	0.000
A08	Thermal 1	0.15	0.00	0.15	0.000	0.000	0.000
A12	Thermal 1	-0.14	0.00	0.14	0.000	0.000	0.000
A13	Thermal 1	-0.11	0.00	0.11	0.000	0.000	0.000
A14	Thermal 1	-0.08	0.00	0.08	0.000	0.000	0.000
A41	Thermal 1	-0.11	0.00	0.11	0.000	0.000	0.000
A45	Thermal 1	-0.15	0.00	0.00	0.000	0.000	0.000
A46	Thermal 1	-0.11	0.00	0.00	0.000	0.000	0.000
A47	Thermal 1	-0.07	0.00	0.00	0.000	0.000	0.000
A89	Thermal 1	0.06	0.00	0.00	0.000	0.000	0.000
A90	Thermal 1	0.09	0.00	0.00	0.000	0.000	0.000
A91	Thermal 1	0.11	0.00	0.00	0.000	0.000	0.000
A92	Thermal 1	0.13	0.00	0.00	0.000	0.000	0.000
A93	Thermal 1	0.15	0.00	0.00	0.000	0.000	0.000
A97	Thermal 1	0.00	0.00	-0.13	0.000	0.000	0.000
A98	Thermal 1	0.00	0.00	0.12	0.000	0.000	0.000
A102	Thermal 1	-0.14	0.00	0.00	0.000	0.000	0.000
A103	Thermal 1	-0.11	0.00	0.00	0.000	0.000	0.000
A104	Thermal 1	-0.08	0.00	0.00	0.000	0.000	0.000
I112	Thermal 1	-0.06	0.00	0.00	0.000	0.000	0.000
I113	Thermal 1	-0.08	0.00	0.00	0.000	0.000	0.000
A119	Thermal 1	0.08	0.00	0.00	0.000	0.000	0.000
A120	Thermal 1	0.06	0.00	0.00	0.000	0.000	0.000
A131	Thermal 1	0.07	0.00	0.00	0.000	0.000	0.000
A137	Thermal 1	-0.07	0.00	0.00	0.000	0.000	0.000

THERMAL ANCHOR MOVEMENTS AND DISPLACEMENTS

POINT NAME	LOAD CASE	DX (in)	DY (in)	DZ (in)	RX (deg)	RY (deg)	RZ (deg)
A146	Thermal 1	0.08	0.00	0.00	0.000	0.000	0.000
A147	Thermal 1	0.11	0.00	0.00	0.000	0.000	0.000
A148	Thermal 1	0.13	0.00	0.00	0.000	0.000	0.000
A149	Thermal 1	0.16	0.00	0.00	0.000	0.000	0.000
A153	Thermal 1	0.00	0.00	-0.13	0.000	0.000	0.000
A164	Thermal 1	0.00	0.00	-0.07	0.000	0.000	0.000

ANALYSIS SUMMARY

Current model revision number : 13

Static - Date and Time of analysis Sep 5, 1996 2:39 PM
 Model Revision Number 13
 Number of load cases 3
 Load cases analyzed GR T1 P1
 Gaps/Friction/Yielding considered No
 Hanger design run No
 Cut short included No
 Weight of contents included Yes
 Pressure stiffening case 0
 Water elevation for buoyancy loads Not considered

Modal - Date and Time of analysis Sep 5, 1996 2:39 PM
 Model Revision Number 13
 Number of modes 12
 Cutoff frequency (Hz) 33.0
 Weight of contents included Yes
 Pressure stiffening case 0
 Water elevation for buoyancy loads Not considered

Response - Date and Time of analysis Sep 5, 1996 2:40 PM
 Model Revision Number 13
 Number of load cases 3
 Load cases analyzed R1 R2 R3
 Date and time of modal analysis Sep 5, 1996 2:39 PM
 Number of modes 12
 Cutoff frequency (Hz) 33.0
 Modal revision of modal analysis 13
 Weight of contents included Yes
 Pressure stiffening case 0
 Water elevation for buoyancy loads Not considered

CODE COMPLIANCE COMBINATIONS

Combination	Category	Method	Load	Factor	Allowable	Remarks
GR + Max P	Sustain	Sum	Gravity Max Long	1.00 1.00	Automatic	Default
Cold to T1	Expansion	Sum	Thermal 1	1.00	Automatic	Default
Max P	Hoop		Max Hoop	1.00	Automatic	Default
SRSS	Occasion	SRSS	Response 1 Response 2 Response 3	1.00 1.00 1.00	Automatic	User

OTHER USER COMBINATIONS

Combination	Method	Load	Factor	Remarks
GR	Sum	Gravity	1.00	Default
T1	Sum	Thermal 1	1.00	Default
P1	Sum	Press 1	1.00	Default
SUM	Sum	Gravity Thermal 1 Press 1	1.00 1.00 1.00	User
RESP	Abs sum	Response 1 Response 2 Response 3	1.00 1.00 1.00	User
TOTAL	Abs sum	SUM RESP	1.00 1.00	User

CODE COMPLIANCE

Y - Factor 0.40
 Weld efficiency factor 1.00
 Range reduction factor 1.00
 Design Pressure Factor 1.00
 Minimum stress ratio used in reports... 0.00
 Include corrosion in stress calcs. Y
 Include torsion in code stress N
 Include axial force in code stress N
 Longitudinal pressure calculation PD/4t
 Include rigorous pressure Y

RESPONSE SPECTRUM LOAD CASES :

Number of load cases analysed : 3

Load case 1 - R1

Missing mass : No

ZPA : No

Combination method : SRSS

X- Spectrum : SC2&3

Multiplier : 1.00

SC2&3

Freq(Hz)	Grav()	Freq(Hz)	Grav()	Freq(Hz)	Grav()
0.100	0.01	0.160	0.02	0.250	0.04
0.400	0.06	0.600	0.09	1.100	0.17
1.640	0.25	8.000	0.25	12.000	0.20
20.000	0.16	33.000	0.12	100.000	0.12

Load case 2 - R2

Missing mass : No

ZPA : No

Combination method : SRSS

Y- Spectrum : SC2&3

Multiplier : 1.00

SC2&3

Freq(Hz)	Grav()	Freq(Hz)	Grav()	Freq(Hz)	Grav()
0.100	0.01	0.160	0.02	0.250	0.04
0.400	0.06	0.600	0.09	1.100	0.17
1.640	0.25	8.000	0.25	12.000	0.20
20.000	0.16	33.000	0.12	100.000	0.12

Load case 3 - R3

Missing mass : No
 ZPA : No

Combination method : SRSS

Z- Spectrum : SC2&3
 Multiplier : 1.00

SC2&3

Freq(Hz)	Grav()	Freq(Hz)	Grav()	Freq(Hz)	Grav()
0.100	0.01	0.160	0.02	0.250	0.04
0.400	0.06	0.600	0.09	1.100	0.17
1.640	0.25	8.000	0.25	12.000	0.20
20.000	0.16	33.000	0.12	100.000	0.12

F R E Q U E N C I E S

Mode Number	Frequency (Rads/sec)	Frequency (Hertz)	Period (Sec)	Participation factors		
				X	Y	Z
1	10.3567	1.6483	0.607	-1.650	0.000	0.046
2	11.7484	1.8698	0.535	1.264	0.000	-0.085
3	12.7169	2.0240	0.494	1.283	0.000	0.125
4	12.8605	2.0468	0.489	1.223	0.000	-0.073
5	13.0497	2.0769	0.481	-1.220	0.000	0.073
6	14.0956	2.2434	0.446	-1.535	0.000	0.460
7	19.0580	3.0332	0.330	0.663	0.000	0.993
8	22.3562	3.5581	0.281	0.000	0.836	0.000
9	23.4692	3.7352	0.268	-1.345	0.094	-0.538
10	24.0311	3.8247	0.261	-0.139	0.061	-1.223
11	25.7055	4.0912	0.244	-0.944	0.000	1.410
12	27.8354	4.4301	0.226	-0.752	-0.005	0.789

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
*** Segment A begin ***							
A00	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A01	GR	0.000	0.000	0.000	0.008	0.000	0.004
	T1	-0.102	0.000	-0.065	0.000	-0.102	0.000
	P1	-0.001	0.000	0.000	0.000	-0.001	0.000
	SUM	-0.103	0.000	-0.065	0.008	-0.103	0.004
	RESP	0.000	0.000	0.000	0.000	0.062	0.000
	TOTAL	0.103	0.000	0.065	0.008	0.165	0.004
A02	GR	0.000	0.000	0.000	0.019	0.000	-0.010
	T1	-0.235	0.000	-0.258	0.000	-0.031	0.000
	P1	-0.003	0.000	-0.003	0.000	-0.001	0.000
	SUM	-0.238	0.000	-0.261	0.019	-0.032	-0.010
	RESP	0.001	0.000	0.232	0.000	0.097	0.000
	TOTAL	0.239	0.000	0.493	0.019	0.129	0.010
A03 N	GR	0.000	0.000	0.000	0.019	0.000	-0.010
	T1	-0.237	0.000	-0.258	0.000	-0.027	0.000
	P1	-0.003	0.000	-0.003	0.000	-0.001	0.000
	SUM	-0.240	0.000	-0.261	0.019	-0.028	-0.010
	RESP	0.001	0.000	0.234	0.000	0.093	0.000
	TOTAL	0.241	0.000	0.496	0.019	0.121	0.010
A03 M	GR	0.000	0.002	0.000	0.021	0.000	-0.009
	T1	-0.256	0.000	-0.255	0.000	0.024	0.000
	P1	-0.003	0.000	-0.003	0.000	0.000	0.000
	SUM	-0.260	0.002	-0.258	0.021	0.024	-0.009
	RESP	0.003	0.000	0.254	0.000	0.051	0.000
	TOTAL	0.263	0.002	0.512	0.021	0.075	0.009
A03 F	GR	0.000	0.000	0.000	0.023	0.000	-0.007
	T1	-0.265	0.000	-0.233	0.000	0.075	0.000
	P1	-0.004	0.000	-0.003	0.000	0.001	0.000
	SUM	-0.269	0.000	-0.236	0.023	0.076	-0.007
	RESP	0.007	0.000	0.260	0.000	0.005	0.000
	TOTAL	0.275	0.000	0.496	0.023	0.081	0.007

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A04	GR	0.000	0.000	0.000	0.023	0.000	-0.006
	T1	-0.265	0.000	-0.230	0.000	0.079	0.000
	P1	-0.004	0.000	-0.003	0.000	0.001	0.000
	SUM	-0.269	0.000	-0.233	0.023	0.080	-0.006
	RESP	0.007	0.000	0.260	0.000	0.001	0.000
	TOTAL	0.275	0.000	0.493	0.023	0.082	0.006
A05	GR	0.000	0.000	0.000	0.009	0.000	-0.013
	T1	-0.137	0.000	0.137	0.000	0.100	0.000
	P1	-0.002	0.000	0.002	0.000	0.001	0.000
	SUM	-0.139	0.000	0.139	0.009	0.101	-0.013
	RESP	0.127	0.000	0.127	0.000	0.066	0.000
	TOTAL	0.266	0.000	0.266	0.009	0.168	0.013
A06	GR	0.000	0.000	0.000	0.008	0.000	-0.007
	T1	-0.257	0.000	0.257	0.000	-0.024	0.000
	P1	-0.004	0.000	0.004	0.000	0.000	0.000
	SUM	-0.260	0.000	0.260	0.008	-0.024	-0.007
	RESP	0.127	0.000	0.127	0.000	0.019	0.000
	TOTAL	0.388	0.000	0.388	0.008	0.043	0.007
A07	GR	0.000	0.000	0.000	0.004	0.000	-0.004
	T1	-0.377	0.000	0.377	0.000	-0.002	0.000
	P1	-0.005	0.000	0.005	0.000	-0.001	0.000
	SUM	-0.382	0.000	0.382	0.004	-0.003	-0.004
	RESP	0.127	0.000	0.127	0.000	0.008	0.000
	TOTAL	0.509	0.000	0.509	0.004	0.011	0.004
A08	GR	0.000	0.000	0.000	0.001	0.000	0.000
	T1	-0.349	0.000	0.643	0.000	0.305	0.000
	P1	-0.007	0.000	0.007	0.000	0.004	0.000
	SUM	-0.356	0.000	0.650	0.001	0.309	0.000
	RESP	0.128	0.000	0.128	0.000	0.015	0.000
	TOTAL	0.484	0.000	0.778	0.001	0.323	0.000
A085	GR	0.000	-0.006	0.000	-0.002	0.000	0.000
	T1	-0.050	0.000	1.073	0.000	0.440	0.000
	P1	-0.002	0.000	0.013	0.000	0.007	0.000
	SUM	-0.052	-0.006	1.086	-0.002	0.447	0.000
	RESP	0.111	0.000	0.144	0.000	0.015	0.000
	TOTAL	0.163	0.006	1.230	0.002	0.462	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A09	GR	0.000	0.000	0.000	-0.007	0.000	-0.002
	T1	0.139	0.000	1.356	0.000	0.253	0.000
	P1	0.002	0.000	0.018	0.000	0.004	0.000
	SUM	0.140	0.000	1.374	-0.007	0.257	-0.002
	RESP	0.109	0.000	0.146	0.000	0.012	0.000
	TOTAL	0.249	0.000	1.520	0.007	0.269	0.002
A10 N	GR	0.000	0.001	0.000	-0.006	0.000	-0.001
	T1	0.151	0.000	1.379	0.000	0.216	0.000
	P1	0.002	0.000	0.018	0.000	0.004	0.000
	SUM	0.152	0.001	1.397	-0.006	0.219	-0.001
	RESP	0.110	0.000	0.145	0.000	0.017	0.000
	TOTAL	0.262	0.001	1.542	0.006	0.236	0.001
A10 M	GR	0.000	0.001	0.000	-0.004	0.000	0.001
	T1	0.143	0.000	1.442	0.000	-0.016	0.000
	P1	0.002	0.000	0.019	0.000	0.000	0.000
	SUM	0.145	0.001	1.461	-0.004	-0.016	0.001
	RESP	0.115	0.000	0.130	0.000	0.043	0.000
	TOTAL	0.260	0.001	1.591	0.004	0.059	0.001
A10 F	GR	0.000	0.000	0.000	-0.004	0.000	0.000
	T1	0.141	0.000	1.365	0.000	-0.237	0.000
	P1	0.002	0.000	0.018	0.000	-0.004	0.000
	SUM	0.143	0.000	1.382	-0.004	-0.241	0.000
	RESP	0.103	0.000	0.102	0.000	0.069	0.000
	TOTAL	0.246	0.000	1.485	0.004	0.310	0.000
A11	GR	0.000	0.000	0.000	-0.004	0.000	0.001
	T1	0.155	0.000	1.340	0.000	-0.270	0.000
	P1	0.002	0.000	0.017	0.000	-0.005	0.000
	SUM	0.157	0.000	1.358	-0.004	-0.275	0.001
	RESP	0.097	0.000	0.097	0.000	0.073	0.000
	TOTAL	0.254	0.000	1.455	0.004	0.348	0.001
A12	GR	0.000	0.000	0.000	-0.005	0.000	0.001
	T1	0.517	0.000	0.789	0.000	-0.251	0.000
	P1	0.008	0.000	0.008	0.000	-0.004	0.000
	SUM	0.526	0.000	0.798	-0.005	-0.255	0.001
	RESP	0.000	0.000	0.000	0.000	0.047	0.000
	TOTAL	0.526	0.000	0.798	0.005	0.303	0.001

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A13	GR	0.000	0.000	0.000	-0.001	0.000	-0.002
	T1	0.413	0.000	0.631	0.000	0.053	0.000
	P1	0.007	0.000	0.007	-0.000	0.001	0.000
	SUM	0.420	0.000	0.638	-0.001	0.054	-0.002
	RESP	0.000	0.000	0.000	0.000	0.013	0.000
	TOTAL	0.420	0.000	0.638	0.001	0.066	0.002
A14	GR	0.000	0.000	0.000	-0.001	0.000	-0.001
	T1	0.311	0.000	0.473	0.000	-0.054	0.000
	P1	0.005	0.000	0.005	0.000	0.000	0.000
	SUM	0.316	0.000	0.478	-0.001	-0.054	-0.001
	RESP	0.000	0.000	0.000	0.000	0.003	0.000
	TOTAL	0.316	0.000	0.478	0.001	0.057	0.001
A15	GR	0.000	0.000	0.000	-0.001	0.000	-0.001
	T1	0.261	0.000	0.261	0.000	-0.022	0.000
	P1	0.005	0.000	0.005	0.000	0.000	0.000
	SUM	0.265	0.000	0.265	-0.001	-0.022	-0.001
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.265	0.000	0.265	0.001	0.023	0.001
A16	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.131	0.000	0.131	0.000	0.006	0.000
	P1	0.002	0.000	0.002	0.000	0.000	0.000
	SUM	0.132	0.000	0.132	0.000	0.005	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.132	0.000	0.132	0.000	0.006	0.000
A17	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A18	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	-0.130	0.000	-0.130	0.000	-0.003	0.000
	P1	-0.002	0.000	-0.002	0.000	0.000	0.000
	SUM	-0.132	0.000	-0.132	0.000	-0.003	0.000
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.132	0.000	0.132	0.001	0.004	0.001

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A19	GR	0.000	0.000	0.000	0.001	0.001	0.000
	T1	-0.260	0.000	-0.260	0.000	0.011	0.000
	P1	-0.003	0.000	-0.003	0.000	0.000	0.000
	SUM	-0.263	0.000	-0.263	0.001	0.012	0.000
	RESP	0.000	0.000	0.000	0.001	0.005	0.001
	TOTAL	0.264	0.000	0.264	0.002	0.017	0.001
A20	GR	0.000	0.000	0.000	0.000	-0.002	0.002
	T1	-0.390	0.000	-0.390	0.000	-0.042	-0.001
	P1	-0.005	0.000	-0.005	0.000	-0.001	0.000
	SUM	-0.395	0.000	-0.395	0.000	-0.044	0.002
	RESP	0.001	0.000	0.001	0.001	0.018	0.002
	TOTAL	0.396	0.000	0.396	0.001	0.062	0.003
A21	GR	0.000	0.000	0.000	0.006	0.008	-0.003
	T1	-0.520	0.000	-0.520	-0.002	0.157	0.001
	P1	-0.007	0.000	-0.007	0.000	0.002	0.000
	SUM	-0.527	0.000	-0.527	0.005	0.167	-0.003
	RESP	0.001	0.000	0.001	0.003	0.068	0.001
	TOTAL	0.528	0.000	0.528	0.007	0.235	0.003
A22	GR	-0.009	0.000	0.010	-0.001	-0.004	0.005
	T1	-0.823	0.000	-0.406	0.003	-0.027	-0.004
	P1	-0.011	0.000	-0.005	0.000	0.000	0.000
	SUM	-0.843	0.000	-0.402	0.002	-0.032	0.000
	RESP	0.126	0.000	0.127	0.001	0.093	0.005
	TOTAL	0.969	0.000	0.528	0.003	0.124	0.006
A23 N	GR	-0.009	-0.001	0.009	-0.003	-0.007	0.006
	T1	-0.825	0.001	-0.415	0.004	-0.073	-0.005
	P1	-0.011	0.000	-0.005	0.000	-0.001	0.000
	SUM	-0.844	0.000	-0.411	0.001	-0.080	0.001
	RESP	0.132	0.001	0.132	0.002	0.092	0.006
	TOTAL	0.976	0.001	0.544	0.003	0.172	0.007
A23 M	GR	-0.001	-0.004	0.007	-0.004	-0.022	0.010
	T1	-0.734	0.004	-0.485	0.004	-0.344	-0.007
	P1	-0.010	0.000	-0.006	0.000	-0.005	0.000
	SUM	-0.745	0.000	-0.484	0.001	-0.371	0.003
	RESP	0.161	0.003	0.145	0.003	0.113	0.009
	TOTAL	0.905	0.003	0.629	0.004	0.484	0.012

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A23 F	GR	0.013	-0.003	0.013	0.000	-0.033	0.012
	T1	-0.496	0.004	-0.421	-0.001	-0.538	-0.008
	P1	-0.007	0.000	-0.006	0.000	-0.007	0.000
	SUM	-0.490	0.001	-0.413	-0.002	-0.579	0.003
	RESP	0.189	0.003	0.147	0.003	0.143	0.012
	TOTAL	0.678	0.004	0.560	0.005	0.721	0.015
A25	GR	0.022	0.000	0.022	-0.001	-0.034	0.010
	T1	-0.323	0.000	-0.288	-0.008	-0.556	-0.011
	P1	-0.004	0.000	-0.004	0.000	-0.007	0.000
	SUM	-0.305	0.000	-0.270	-0.010	-0.597	-0.001
	RESP	0.206	0.000	0.165	0.002	0.144	0.014
	TOTAL	0.511	0.000	0.435	0.012	0.741	0.015
A26 N	GR	0.025	0.001	0.025	-0.002	-0.033	0.009
	T1	-0.277	-0.002	-0.253	-0.010	-0.542	-0.011
	P1	-0.004	0.000	-0.003	0.000	-0.007	0.000
	SUM	-0.256	-0.001	-0.231	-0.012	-0.582	-0.003
	RESP	0.211	0.001	0.172	0.002	0.141	0.015
	TOTAL	0.467	0.002	0.404	0.014	0.723	0.018
A26 M	GR	0.038	0.001	0.031	0.000	-0.023	0.007
	T1	-0.036	-0.006	-0.188	-0.005	-0.356	-0.003
	P1	0.000	0.000	-0.003	0.000	-0.005	0.000
	SUM	0.003	-0.005	-0.159	-0.005	-0.383	0.004
	RESP	0.233	0.005	0.194	0.003	0.109	0.021
	TOTAL	0.235	0.010	0.353	0.008	0.493	0.025
A26 F	GR	0.046	0.000	0.029	0.002	-0.007	0.008
	T1	0.063	-0.001	-0.260	0.014	-0.092	0.010
	P1	0.001	0.000	-0.004	0.000	-0.001	0.000
	SUM	0.109	-0.001	-0.234	0.017	-0.101	0.018
	RESP	0.233	0.002	0.176	0.007	0.093	0.029
	TOTAL	0.342	0.003	0.410	0.024	0.194	0.047
A27	GR	0.046	0.000	0.028	0.002	-0.005	0.009
	T1	0.062	0.000	-0.270	0.018	-0.045	0.012
	P1	0.001	0.000	-0.004	0.000	-0.001	0.000
	SUM	0.109	0.000	-0.246	0.020	-0.051	0.021
	RESP	0.231	0.000	0.169	0.008	0.095	0.030
	TOTAL	0.340	0.000	0.415	0.029	0.146	0.051

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A28	GR	0.037	-0.006	0.037	0.000	0.007	0.012
	T1	-0.192	0.132	-0.192	0.018	0.133	0.009
	P1	-0.003	0.000	-0.003	0.000	-0.002	0.000
	SUM	-0.158	0.027	-0.158	0.018	0.142	0.021
	RESP	0.155	0.026	0.155	0.016	0.070	0.028
	TOTAL	0.313	0.053	0.313	0.034	0.212	0.049
A29	GR	0.037	-0.006	0.037	0.004	-0.004	0.004
	T1	-0.329	0.055	-0.329	-0.018	0.006	-0.028
	P1	-0.004	0.001	-0.004	0.000	0.000	0.000
	SUM	-0.297	0.050	-0.297	-0.014	0.002	-0.024
	RESP	0.155	0.026	0.155	0.016	0.030	0.017
	TOTAL	0.452	0.076	0.452	0.031	0.031	0.041
A30	GR	0.037	-0.006	0.037	0.011	0.005	-0.003
	T1	-0.466	0.079	-0.466	-0.085	-0.133	-0.035
	P1	-0.006	0.001	-0.006	-0.001	-0.002	0.000
	SUM	-0.435	0.073	-0.435	-0.076	-0.130	-0.039
	RESP	0.155	0.026	0.155	0.025	0.087	0.011
	TOTAL	0.591	0.100	0.591	0.101	0.216	0.050
A31	GR	0.032	0.000	0.042	0.004	-0.005	0.001
	T1	-0.410	0.000	-0.716	-0.092	0.108	-0.021
	P1	-0.005	0.000	-0.009	-0.001	0.001	0.000
	SUM	-0.383	0.000	-0.684	-0.089	0.105	-0.021
	RESP	0.237	0.000	0.198	0.023	0.152	0.006
	TOTAL	0.621	0.000	0.882	0.113	0.257	0.027
A32 N	GR	0.033	0.000	0.042	0.002	-0.007	0.002
	T1	-0.426	-0.004	-0.713	-0.086	0.164	-0.020
	P1	-0.006	0.000	-0.009	-0.001	0.002	0.000
	SUM	-0.399	-0.004	-0.681	-0.085	0.159	-0.018
	RESP	0.248	0.001	0.200	0.022	0.149	0.006
	TOTAL	0.647	0.006	0.880	0.106	0.308	0.024
A32 M	GR	0.035	-0.001	0.036	-0.001	-0.018	0.001
	T1	-0.515	-0.009	-0.570	-0.053	0.482	-0.006
	P1	-0.007	0.000	-0.008	-0.001	0.006	0.000
	SUM	-0.487	-0.009	-0.542	-0.055	0.471	-0.005
	RESP	0.276	0.003	0.218	0.014	0.123	0.003
	TOTAL	0.764	0.012	0.760	0.069	0.596	0.008

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A32 F	GR	0.030	0.000	0.025	-0.001	-0.026	-0.001
	T1	-0.415	-0.001	-0.252	-0.025	0.735	0.010
	P1	-0.006	0.000	-0.003	0.000	0.010	0.000
	SUM	-0.391	-0.001	-0.231	-0.027	0.718	0.008
	RESP	0.255	0.000	0.253	0.007	0.117	0.002
	TOTAL	0.646	0.001	0.484	0.034	0.835	0.010
A33	GR	0.028	0.000	0.023	-0.001	-0.027	-0.001
	T1	-0.365	0.000	-0.192	-0.021	0.762	0.011
	P1	-0.005	0.000	-0.003	0.000	0.010	0.000
	SUM	-0.342	0.000	-0.172	-0.022	0.745	0.010
	RESP	0.248	0.000	0.257	0.005	0.119	0.002
	TOTAL	0.590	0.000	0.429	0.028	0.863	0.012
A34	GR	0.014	0.000	0.009	-0.001	-0.027	0.000
	T1	-0.022	0.000	-0.222	-0.008	0.746	0.009
	P1	0.000	0.000	0.003	0.000	0.010	0.000
	SUM	-0.009	0.000	-0.234	-0.007	0.729	0.010
	RESP	0.224	0.000	0.271	0.001	0.117	0.002
	TOTAL	0.233	0.000	0.504	0.008	0.846	0.012
A35 N	GR	0.012	0.000	0.007	0.002	-0.026	0.001
	T1	0.026	0.000	0.281	-0.007	0.714	0.007
	P1	0.000	0.000	0.004	0.000	0.009	0.000
	SUM	0.039	0.000	0.292	-0.006	0.697	0.008
	RESP	0.224	0.000	0.270	0.001	0.113	0.002
	TOTAL	0.262	0.000	0.562	0.007	0.811	0.010
A35 M	GR	0.007	-0.001	-0.004	0.001	-0.017	-0.001
	T1	0.120	0.000	0.584	-0.004	0.436	0.000
	P1	0.001	0.000	0.008	0.000	0.006	0.000
	SUM	0.129	-0.001	0.588	-0.004	0.425	-0.001
	RESP	0.228	0.000	0.251	0.001	0.086	0.000
	TOTAL	0.357	0.001	0.839	0.004	0.511	0.001
A35 F	GR	0.009	0.000	-0.009	-0.002	-0.005	0.000
	T1	0.042	0.000	0.702	-0.002	0.092	-0.002
	P1	0.000	0.000	0.009	0.000	0.001	0.000
	SUM	0.051	0.000	0.703	-0.004	0.088	-0.003
	RESP	0.208	0.000	0.208	0.000	0.116	0.001
	TOTAL	0.259	0.000	0.911	0.004	0.204	0.003

12/20/96

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A36	GR	0.009	0.000	-0.009	-0.003	-0.003	0.001
	T1	0.032	0.000	0.701	-0.002	0.035	-0.002
	P1	0.000	0.000	0.009	0.000	0.000	0.000
	SUM	0.042	0.000	0.701	-0.005	0.032	-0.002
	RESP	0.199	0.000	0.199	0.000	0.124	0.000
	TOTAL	0.241	0.000	0.901	0.005	0.156	0.002
A37	GR	0.000	0.000	0.000	-0.003	0.006	0.002
	T1	0.260	0.000	0.260	-0.002	-0.211	-0.002
	P1	0.003	0.000	0.003	0.000	-0.003	0.000
	SUM	0.264	0.000	0.264	-0.005	-0.207	0.000
	RESP	0.000	0.000	0.000	0.000	0.085	0.000
	TOTAL	0.264	0.000	0.264	0.005	0.292	0.000
A38	GR	0.000	0.000	0.000	0.000	-0.002	-0.001
	T1	0.130	0.000	0.130	-0.001	0.052	-0.001
	P1	0.002	0.000	0.002	0.000	0.001	0.000
	SUM	0.132	0.000	0.132	-0.001	0.051	-0.002
	RESP	0.000	0.000	0.000	0.000	0.021	0.000
	TOTAL	0.132	0.000	0.132	0.001	0.073	0.002
A39	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A40	GR	0.000	0.000	0.000	0.133	0.000	0.082
	T1	-0.129	0.000	-0.129	0.000	-0.084	0.000
	P1	-0.002	0.000	-0.002	0.000	-0.002	0.000
	SUM	-0.131	0.000	-0.131	0.133	-0.086	0.082
	RESP	0.000	0.000	0.000	0.042	0.000	0.028
	TOTAL	0.131	0.000	0.131	0.175	0.086	0.109
A41	GR	0.000	0.000	0.000	0.112	0.000	0.317
	T1	-0.370	0.000	-0.148	0.000	0.526	0.000
	P1	-0.003	0.000	-0.003	0.000	0.007	0.000
	SUM	-0.373	0.000	-0.151	0.112	0.533	0.317
	RESP	0.000	0.000	0.000	0.041	0.000	0.098
	TOTAL	0.373	0.000	0.151	0.152	0.533	0.415

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A42	GR	0.000	-0.658	0.000	0.144	0.000	0.497
	T1	-1.772	0.000	0.998	0.000	0.344	0.000
	P1	-0.023	0.000	0.013	0.000	0.005	0.000
	SUM	-1.795	-0.658	1.011	0.144	0.349	0.497
	RESP	0.000	0.191	0.000	0.048	0.000	0.159
	TOTAL	1.795	0.850	1.011	0.192	0.349	0.656
A43 N	GR	0.000	-0.664	0.000	0.147	0.000	0.496
	T1	-1.779	0.000	1.002	0.000	0.324	0.000
	P1	-0.023	0.000	0.013	0.000	0.005	0.000
	SUM	-1.803	-0.664	1.015	0.147	0.329	0.496
	RESP	0.000	0.193	0.000	0.049	0.000	0.159
	TOTAL	1.803	0.858	1.015	0.196	0.329	0.656
A43 M	GR	0.000	-0.703	0.000	0.173	0.000	0.491
	T1	-1.838	0.000	1.020	0.000	0.097	0.000
	P1	-0.024	0.000	0.013	0.000	0.001	0.000
	SUM	-1.862	-0.703	1.033	0.173	0.098	0.491
	RESP	0.000	0.205	0.000	0.057	0.000	0.158
	TOTAL	1.862	0.908	1.033	0.231	0.098	0.649
A43 F	GR	0.000	-0.679	0.000	0.199	0.000	0.483
	T1	-1.835	0.000	1.001	0.000	-0.134	0.000
	P1	-0.024	0.000	0.013	0.000	-0.002	0.000
	SUM	-1.859	-0.679	1.014	0.199	-0.136	0.483
	RESP	0.000	0.197	0.000	0.066	0.000	0.155
	TOTAL	1.859	0.876	1.014	0.265	0.136	0.638
A44	GR	0.000	-0.674	0.000	0.201	0.000	0.482
	T1	-1.832	0.000	0.999	0.000	-0.154	0.000
	P1	-0.024	0.000	0.013	0.000	-0.002	0.000
	SUM	-1.856	-0.674	1.012	0.201	-0.156	0.482
	RESP	0.000	0.196	0.000	0.067	0.000	0.155
	TOTAL	1.856	0.869	1.012	0.268	0.156	0.637
A45	GR	0.000	0.000	0.000	0.146	0.000	0.386
	T1	-0.151	0.000	0.801	0.000	-0.468	0.000
	P1	0.000	0.000	0.010	0.000	-0.007	0.000
	SUM	-0.151	0.000	0.811	0.146	-0.475	0.386
	RESP	0.000	0.000	0.000	0.041	0.000	0.124
	TOTAL	0.151	0.000	0.811	0.186	0.475	0.511

D I S P L A C E M E N T S

D I S P L A C E M E N T S

Point name	Load combination	TRANSLATIONS (in.)		ROTATIONS (deg.)	
		X	Y	X	Y
A46	GR	0.000	0.000	-0.039	0.000
	T1	0.000	0.000	0.000	0.000
	P1	-0.112	0.000	0.008	0.008
	SUM	-0.112	0.000	0.003	0.008
	RESP	0.000	0.000	0.011	0.000
	TOTAL	0.112	0.000	0.050	0.112
A47	GR	0.000	0.000	0.012	0.000
	T1	-0.073	0.000	-0.056	0.000
	P1	0.000	0.000	0.000	0.000
	SUM	-0.073	0.000	-0.044	0.000
	RESP	0.000	0.000	0.003	0.000
	TOTAL	0.073	0.000	0.041	0.000
A48	GR	0.000	0.000	-0.003	0.000
	T1	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	-0.003	0.000
	RESP	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.004	0.000
A49	GR	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000
A50	GR	0.000	0.000	0.000	0.000
	T1	0.000	0.000	-0.001	0.000
	P1	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	-0.001	0.000
	RESP	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.001	0.000
A51	GR	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000
	P1	0.000	0.000	-0.005	0.000
	SUM	0.000	0.000	-0.005	0.000
	RESP	0.000	0.000	0.004	0.005
	TOTAL	0.000	0.000	0.000	0.005

Point name	Load combination	TRANSLATIONS (in.)		ROTATIONS (deg.)	
		X	Y	X	Y
A52	GR	0.000	0.000	0.000	0.000
	T1	0.000	0.000	-0.508	0.000
	P1	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	-0.508	0.000
	RESP	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.595	0.000
A53	GR	0.000	0.000	0.000	0.000
	T1	0.000	0.000	-0.794	0.000
	P1	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	-0.794	0.000
	RESP	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.794	0.000
153	GR	0.000	0.000	0.000	0.000
	T1	0.000	0.000	-0.980	0.000
	P1	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	-0.980	0.000
	RESP	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.992	0.000
A54	GR	0.000	0.000	0.000	0.000
	T1	0.495	0.000	-1.183	0.000
	P1	0.007	0.000	-0.015	0.000
	SUM	0.502	0.000	-1.199	0.000
	RESP	0.536	0.000	0.000	0.000
	TOTAL	1.038	0.000	1.199	0.000
A55 N	GR	0.000	0.000	0.000	0.000
	T1	0.468	0.000	-0.015	0.000
	P1	0.006	0.000	-0.015	0.000
	SUM	0.474	0.000	-0.030	0.000
	RESP	0.556	0.000	0.000	0.000
	TOTAL	1.030	0.000	1.206	0.000
A55 M	GR	0.000	0.000	0.000	0.000
	T1	0.225	0.000	-0.015	0.000
	P1	0.003	0.000	-0.015	0.000
	SUM	0.228	0.000	-0.030	0.000
	RESP	0.636	0.000	0.000	0.000
	TOTAL	0.864	0.000	1.165	0.000

D I S P L A C E M E N T S

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A55 F	GR	0.000	0.001	0.000	0.005	0.000	0.009
	T1	0.031	0.000	-0.726	0.000	0.964	0.000
	P1	0.000	0.000	-0.010	0.000	0.013	0.000
	SUM	0.032	0.001	-0.735	0.005	0.976	0.009
	RESP	0.661	0.000	0.087	0.000	0.086	0.000
	TOTAL	0.693	0.001	0.822	0.005	1.062	0.009
A56	GR	0.000	0.000	0.000	0.005	0.000	0.009
	T1	0.024	0.000	-0.623	0.000	1.008	0.000
	P1	0.000	0.000	-0.008	0.000	0.013	0.000
	SUM	0.024	0.000	-0.631	0.005	1.021	0.009
	RESP	0.661	0.000	0.095	0.000	0.075	0.000
	TOTAL	0.685	0.000	0.726	0.005	1.097	0.009
I56	GR	0.000	0.000	0.000	-0.005	0.000	-0.010
	T1	-0.089	0.000	1.085	0.000	1.004	0.000
	P1	-0.001	0.000	0.014	0.000	0.013	0.000
	SUM	-0.090	0.000	1.099	-0.005	1.017	-0.010
	RESP	0.661	0.000	0.094	0.000	0.076	0.000
	TOTAL	0.752	0.000	1.193	0.005	1.093	0.010
A57 N	GR	0.000	0.001	0.000	-0.006	0.000	-0.010
	T1	-0.097	0.000	1.187	0.000	0.959	0.000
	P1	-0.001	0.000	0.016	0.000	0.013	0.000
	SUM	-0.098	0.001	1.203	-0.006	0.972	-0.010
	RESP	0.661	0.000	0.086	0.000	0.086	0.000
	TOTAL	0.759	0.001	1.289	0.006	1.058	0.010
A57 M	GR	0.000	0.005	0.000	-0.009	0.000	-0.013
	T1	-0.289	0.000	1.578	0.000	0.645	0.000
	P1	-0.004	0.000	0.021	0.000	0.008	0.000
	SUM	-0.293	0.005	1.598	-0.009	0.653	-0.013
	RESP	0.637	0.000	0.031	0.000	0.137	0.000
	TOTAL	0.929	0.005	1.630	0.009	0.790	0.013
A57 F	GR	0.000	0.002	0.000	-0.016	0.000	-0.014
	T1	-0.528	0.000	1.648	0.000	0.286	0.000
	P1	-0.007	0.000	0.021	0.000	0.004	0.000
	SUM	-0.535	0.002	1.669	-0.016	0.290	-0.014
	RESP	0.557	0.000	0.000	0.000	0.181	0.000
	TOTAL	1.092	0.002	1.669	0.016	0.471	0.014

D I S P L A C E M E N T S

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A58	GR	0.000	0.000	0.000	-0.018	0.000	-0.014
	T1	-0.554	0.000	1.640	0.000	0.224	0.000
	P1	-0.007	0.000	0.021	0.000	0.003	0.000
	SUM	-0.561	0.000	1.662	-0.018	0.227	-0.014
	RESP	0.538	0.000	0.000	0.000	0.188	0.000
	TOTAL	1.099	0.000	1.662	0.018	0.415	0.014
A59	GR	0.000	0.000	0.000	0.005	0.000	-0.013
	T1	0.000	0.000	1.434	0.000	-0.217	0.000
	P1	0.000	0.000	0.019	0.000	-0.003	0.000
	SUM	0.000	0.000	1.452	0.005	-0.220	-0.013
	RESP	0.000	0.000	0.000	0.000	0.103	0.000
	TOTAL	0.000	0.000	1.453	0.005	0.322	0.013
A60	GR	0.000	0.000	0.000	-0.001	0.000	-0.011
	T1	0.000	0.000	1.229	0.000	0.058	0.000
	P1	0.000	0.000	0.016	0.000	0.001	0.000
	SUM	0.000	0.000	1.245	-0.001	0.059	-0.011
	RESP	0.000	0.000	0.000	0.000	0.027	0.000
	TOTAL	0.000	0.000	1.245	0.001	0.086	0.011
A61	GR	0.000	0.000	0.000	0.000	0.000	-0.009
	T1	0.000	0.000	1.024	0.000	-0.015	0.000
	P1	0.000	0.000	0.013	0.000	0.000	0.000
	SUM	0.000	0.000	1.037	0.000	-0.016	-0.009
	RESP	0.000	0.000	0.000	0.000	0.007	0.000
	TOTAL	0.000	0.000	1.038	0.000	0.023	0.009
A62	GR	0.000	0.000	0.000	0.000	0.000	-0.007
	T1	0.000	0.000	0.819	0.000	0.004	0.000
	P1	0.000	0.000	0.011	0.000	0.000	0.000
	SUM	0.000	0.000	0.830	0.000	0.004	-0.007
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.830	0.000	0.006	0.007
A63	GR	0.000	0.000	0.000	0.000	0.000	-0.005
	T1	0.000	0.000	0.614	0.000	-0.001	0.000
	P1	0.000	0.000	0.008	0.000	0.000	0.000
	SUM	0.000	0.000	0.622	0.000	-0.001	-0.005
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.623	0.000	0.002	0.005

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A64	GR	0.000	0.000	0.000	0.000	0.000	-0.004
	T1	0.000	0.000	0.410	0.000	0.000	0.000
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.415	0.000	0.000	-0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.415	0.000	0.000	0.004	
A65	GR	0.000	0.000	0.000	0.000	0.000	-0.002
	T1	0.000	0.000	0.205	0.000	0.000	0.000
	P1	0.000	0.000	0.003	0.000	0.000	0.000
	SUM	0.000	0.000	0.207	0.000	0.000	-0.002
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.208	0.000	0.000	0.002	
A66	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	
A67	GR	0.000	0.000	0.000	0.000	0.000	0.002
	T1	0.000	0.000	-0.205	0.000	0.000	0.006
	P1	0.000	0.000	-0.003	0.000	0.000	0.000
	SUM	0.000	0.000	-0.207	0.000	0.000	0.007
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.207	0.000	0.000	0.007	
A68	GR	0.000	0.000	0.000	0.000	0.000	0.004
	T1	0.000	0.000	-0.409	0.000	0.000	0.011
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.415	0.000	0.000	0.015
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.415	0.000	0.000	0.015	
A69	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.614	0.000	-0.001	0.017
	P1	0.000	0.000	-0.008	0.000	0.000	0.000
	SUM	0.000	0.000	-0.622	0.000	-0.001	0.022
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
TOTAL	0.000	0.000	0.622	0.000	0.002	0.022	

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A70	GR	0.000	0.000	0.000	0.000	0.000	0.007
	T1	0.000	0.000	-0.819	0.000	0.005	0.022
	P1	0.000	0.000	-0.011	0.000	0.000	0.000
	SUM	0.000	0.000	-0.829	0.000	0.005	0.000
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
TOTAL	0.000	0.000	0.829	0.000	0.007	0.030	
A71	GR	0.000	0.000	0.000	0.000	0.000	0.009
	T1	0.000	0.000	-1.023	0.000	-0.017	0.028
	P1	0.000	0.000	-0.013	0.000	0.000	0.000
	SUM	0.000	0.000	-1.037	0.000	-0.017	0.037
	RESP	0.000	0.000	0.000	0.000	0.008	0.000
TOTAL	0.000	0.000	1.037	0.001	0.025	0.037	
A72	GR	0.000	0.000	0.000	0.001	0.000	0.011
	T1	0.000	0.000	-1.228	0.001	0.064	0.033
	P1	0.000	0.000	-0.016	0.000	0.001	0.000
	SUM	0.000	0.000	-1.244	0.002	0.065	0.044
	RESP	0.000	0.000	0.000	0.000	0.028	0.000
TOTAL	0.000	0.000	1.244	0.002	0.093	0.045	
A73	GR	0.000	0.000	0.000	-0.005	0.000	0.013
	T1	0.000	0.000	-1.433	-0.003	-0.239	0.039
	P1	0.000	0.000	-0.019	0.000	-0.003	0.001
	SUM	0.000	0.000	-1.451	-0.008	-0.243	0.052
	RESP	0.000	0.000	0.000	0.000	0.106	0.000
TOTAL	0.000	0.000	1.452	0.008	0.348	0.052	
A74	GR	0.000	0.000	0.000	0.018	0.000	0.014
	T1	0.591	0.000	-1.639	0.011	0.269	0.044
	P1	0.000	0.000	-0.021	0.000	0.003	0.001
	SUM	0.599	0.000	-1.661	0.030	0.273	0.059
	RESP	0.553	0.000	0.000	0.000	0.194	0.000
TOTAL	1.152	0.000	1.661	0.030	0.466	0.059	
A75 N	GR	0.000	0.002	0.000	0.016	0.000	0.014
	T1	0.559	0.001	-1.647	0.013	0.340	0.044
	P1	0.007	0.000	-0.021	0.000	0.004	0.001
	SUM	0.567	0.003	-1.668	0.029	0.344	0.059
	RESP	0.573	0.000	0.000	0.000	0.186	0.000
TOTAL	1.140	0.003	1.668	0.029	0.530	0.060	

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A75 M	GR	0.000	0.005	0.000	0.009	0.000	0.013
	T1	0.282	0.005	-1.559	0.037	0.746	0.041
	P1	0.004	0.000	-0.020	0.000	0.010	0.001
	SUM	0.286	0.010	-1.579	0.047	0.755	0.054
	RESP	0.655	0.000	0.032	0.000	0.141	0.000
	TOTAL	0.941	0.010	1.612	0.047	0.896	0.054
A75 F	GR	0.000	0.001	0.000	0.006	0.000	0.010
	T1	0.065	0.002	-1.107	0.069	1.101	0.026
	P1	0.001	0.000	-0.014	0.001	0.014	0.000
	SUM	0.066	0.003	-1.121	0.075	1.116	0.036
	RESP	0.680	0.000	0.088	0.000	0.088	0.000
	TOTAL	0.746	0.003	1.209	0.075	1.203	0.036
A76	GR	-0.001	0.000	0.001	0.005	0.000	0.010
	T1	0.057	0.000	-0.985	0.074	1.154	0.021
	P1	0.001	0.000	-0.013	0.001	0.015	0.000
	SUM	0.057	0.000	-0.997	0.080	1.169	0.031
	RESP	0.680	0.000	0.097	0.000	0.077	0.000
	TOTAL	0.737	0.000	1.094	0.080	1.246	0.031
176	GR	-0.001	0.000	0.001	-0.005	0.000	-0.010
	T1	-0.057	0.000	0.985	0.074	1.154	0.021
	P1	-0.001	0.000	0.013	0.001	0.015	0.000
	SUM	-0.058	0.000	0.999	0.070	1.169	0.011
	RESP	0.680	0.000	0.097	0.000	0.077	0.000
	TOTAL	0.738	0.000	1.095	0.070	1.246	0.011
A77 N	GR	0.000	0.001	0.000	-0.006	0.000	-0.010
	T1	-0.065	-0.002	1.107	0.069	1.101	0.026
	P1	-0.001	0.000	0.014	0.001	0.014	0.000
	SUM	-0.066	-0.001	1.122	0.064	1.116	0.016
	RESP	0.680	0.000	0.088	0.000	0.088	0.000
	TOTAL	0.747	0.001	1.210	0.064	1.204	0.017
A77 M	GR	0.000	0.005	0.000	-0.009	0.000	-0.013
	T1	-0.282	-0.005	1.559	0.037	0.746	0.041
	P1	-0.004	0.000	0.020	0.000	0.010	0.001
	SUM	-0.286	-0.001	1.580	0.029	0.756	0.029
	RESP	0.655	0.000	0.032	0.000	0.141	0.000
	TOTAL	0.941	0.001	1.612	0.029	0.896	0.029

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A77 F	GR	0.000	0.002	0.000	-0.016	0.000	-0.014
	T1	-0.559	-0.001	1.647	0.015	0.340	0.044
	P1	-0.007	0.000	0.021	0.000	0.004	0.001
	SUM	-0.566	0.000	1.668	-0.002	0.344	0.041
	RESP	0.573	0.000	0.000	0.000	0.186	0.000
	TOTAL	1.140	0.001	1.668	0.002	0.531	0.031
A78	GR	0.000	0.000	0.000	-0.018	0.000	-0.014
	T1	-0.591	0.000	1.639	0.011	0.269	0.044
	P1	-0.008	0.000	0.021	0.000	0.003	0.001
	SUM	-0.598	0.000	1.661	-0.007	0.273	0.030
	RESP	0.553	0.000	0.000	0.000	0.194	0.000
	TOTAL	1.152	0.000	1.661	0.007	0.467	0.031
A79	GR	0.000	0.000	0.000	0.005	0.000	-0.013
	T1	0.000	0.000	1.433	-0.003	-0.239	0.039
	P1	0.000	0.000	0.019	0.000	-0.003	0.001
	SUM	0.000	0.000	1.451	0.002	-0.242	0.027
	RESP	0.000	0.000	0.000	0.000	0.106	0.000
	TOTAL	0.000	0.000	1.452	0.002	0.348	0.027
A80	GR	0.000	0.000	0.000	-0.001	0.000	-0.011
	T1	0.000	0.000	1.228	0.001	0.064	0.033
	P1	0.000	0.000	0.016	0.000	0.001	0.000
	SUM	0.000	0.000	1.244	-0.001	0.065	0.030
	RESP	0.000	0.000	0.000	0.000	0.028	0.000
	TOTAL	0.000	0.000	1.244	0.001	0.093	0.023
A81	GR	0.000	0.000	0.000	0.000	0.000	-0.009
	T1	0.000	0.000	1.023	0.000	-0.017	0.028
	P1	0.000	0.000	0.013	0.000	0.000	0.000
	SUM	0.000	0.000	1.037	0.000	-0.017	0.019
	RESP	0.000	0.000	0.000	0.000	0.008	0.000
	TOTAL	0.000	0.000	1.037	0.000	0.025	0.019
A82	GR	0.000	0.000	0.000	0.000	0.000	-0.007
	T1	0.000	0.000	0.819	0.000	0.005	0.022
	P1	0.000	0.000	0.011	0.000	0.000	0.000
	SUM	0.000	0.000	0.829	0.000	0.005	0.015
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.829	0.000	0.007	0.015

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A83	GR	0.000	0.000	0.000	0.000	-0.000	-0.005
	T1	0.000	0.000	0.514	0.000	-0.001	0.017
	P1	0.000	0.000	0.008	0.000	0.000	0.000
	SUM	0.000	0.000	0.622	0.000	-0.001	0.011
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.622	0.000	0.002	0.012
A84	GR	0.000	0.000	0.000	-0.000	0.000	-0.004
	T1	0.000	0.000	0.409	0.000	0.011	0.000
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.415	0.000	0.008	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.415	0.000	0.008	0.000
A85	GR	0.000	0.000	0.000	-0.002	0.000	-0.006
	T1	0.000	0.000	0.205	0.000	0.006	0.000
	P1	0.000	0.000	0.003	0.000	0.000	0.000
	SUM	0.000	0.000	0.207	0.000	0.006	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.207	0.000	0.006	0.000
A86	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A87	GR	0.000	0.000	0.000	0.000	0.000	0.003
	T1	0.000	0.000	-0.205	0.000	0.003	0.000
	P1	0.000	0.000	-0.003	0.000	0.000	0.000
	SUM	0.000	0.000	-0.208	0.000	0.003	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	-0.208	0.000	0.003	0.000
A88	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.411	0.000	-0.013	0.000
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.416	0.000	-0.013	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	-0.416	0.000	-0.013	0.000

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A89	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.004	0.000	-0.516	0.000	-0.019	0.000
	P1	0.000	0.000	-0.008	0.000	0.000	0.000
	SUM	0.004	0.000	-0.524	0.000	-0.019	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.004	0.000	-0.524	0.000	-0.019	0.000
A90	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	-0.821	0.000	-0.003	0.000
	P1	0.000	0.000	-0.011	0.000	0.000	0.000
	SUM	0.000	0.000	-0.832	0.000	-0.003	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	-0.833	0.000	-0.006	0.000
A91	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.107	0.000	-1.027	0.000	-0.016	0.000
	P1	0.000	0.000	-0.000	0.000	0.000	0.000
	SUM	0.107	0.000	-1.027	0.000	-0.016	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.107	0.000	-1.041	0.000	-0.027	0.000
A92	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.129	0.000	-1.232	0.000	-0.019	0.000
	P1	0.000	0.000	-0.000	0.000	0.000	0.000
	SUM	0.129	0.000	-1.232	0.000	-0.019	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.129	0.000	-1.249	0.000	-0.035	0.000
A93	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.150	0.000	-1.437	0.000	-0.109	0.000
	P1	0.000	0.000	-0.000	0.000	0.000	0.000
	SUM	0.150	0.000	-1.437	0.000	-0.109	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.150	0.000	-1.437	0.000	-0.109	0.000
A94	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.400	0.000	-1.644	0.000	-0.128	0.000
	P1	0.000	0.000	-0.000	0.000	0.000	0.000
	SUM	0.400	0.000	-1.644	0.000	-0.128	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.400	0.000	-1.644	0.000	-0.128	0.000

LCA

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A95 N	GR	0.000	0.002	0.000	0.022	0.000	0.021
	T1	0.385	0.000	-1.652	0.000	0.160	0.000
	P1	0.005	0.000	-0.021	0.000	0.002	0.000
	SUM	0.391	0.002	-1.674	0.022	0.162	0.021
	RESP	0.844	0.000	0.001	0.000	0.245	0.000
	TOTAL	1.234	0.002	1.675	0.022	0.406	0.021
A95 M	GR	0.000	0.008	0.000	0.018	0.000	0.020
	T1	0.250	0.000	-1.632	0.000	0.341	0.000
	P1	0.004	0.000	-0.021	0.000	0.005	0.000
	SUM	0.253	0.008	-1.653	0.018	0.345	0.020
	RESP	0.945	0.000	0.037	0.000	0.157	0.000
	TOTAL	1.198	0.008	1.690	0.018	0.502	0.020
A95 F	GR	0.000	0.002	0.000	0.016	0.000	0.018
	T1	0.132	0.000	-1.434	0.000	0.500	0.000
	P1	0.002	0.000	-0.018	0.000	0.007	0.000
	SUM	0.134	0.002	-1.453	0.016	0.507	0.018
	RESP	0.970	0.000	0.091	0.000	0.067	0.000
	TOTAL	1.104	0.002	1.544	0.016	0.574	0.018
A96	GR	0.000	0.000	0.000	0.016	0.000	0.019
	T1	0.124	0.000	-1.381	0.000	0.523	0.000
	P1	0.002	0.000	-0.018	0.000	0.008	0.000
	SUM	0.126	0.000	-1.399	0.016	0.530	0.019
	RESP	0.970	0.000	0.097	0.000	0.052	0.000
	TOTAL	1.096	0.000	1.496	0.016	0.582	0.019
A97	GR	0.000	0.000	0.000	0.006	0.000	-0.005
	T1	-0.049	0.000	-0.133	0.000	0.298	0.000
	P1	-0.001	0.000	0.000	0.000	0.003	0.000
	SUM	-0.050	0.000	-0.133	0.006	0.301	-0.005
	RESP	0.971	0.000	0.000	0.000	0.060	0.000
	TOTAL	1.020	0.000	0.133	0.006	0.361	0.005
A98	GR	0.000	0.000	0.000	-0.005	0.000	0.005
	T1	-0.232	0.000	0.116	0.000	0.202	0.000
	P1	-0.003	0.000	0.000	0.000	0.002	0.000
	SUM	-0.235	0.000	0.116	-0.005	0.204	0.005
	RESP	0.971	0.000	0.000	0.000	0.061	0.000
	TOTAL	1.205	0.000	0.116	0.005	0.266	0.005

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A99	GR	0.000	0.000	0.000	-0.014	0.000	-0.018
	T1	-0.405	0.000	1.009	0.000	0.352	0.000
	P1	-0.005	0.000	0.013	0.000	0.005	0.000
	SUM	-0.411	0.000	1.022	-0.014	0.357	-0.018
	RESP	0.970	0.000	0.102	0.000	0.054	0.000
	TOTAL	1.381	0.000	1.124	0.014	0.412	0.018
A100N	GR	0.000	0.002	0.000	-0.015	0.000	-0.017
	T1	-0.413	0.000	1.045	0.000	0.331	0.000
	P1	-0.005	0.000	0.013	0.000	0.005	0.000
	SUM	-0.418	0.002	1.058	-0.015	0.336	-0.017
	RESP	0.970	0.000	0.096	0.000	0.070	0.000
	TOTAL	1.389	0.002	1.154	0.015	0.406	0.017
A100M	GR	0.000	0.007	0.000	-0.016	0.000	-0.018
	T1	-0.498	0.000	1.161	0.000	0.186	0.000
	P1	-0.007	0.000	0.015	0.000	0.003	0.000
	SUM	-0.505	0.007	1.177	-0.016	0.189	-0.018
	RESP	0.944	0.000	0.040	0.000	0.165	0.000
	TOTAL	1.448	0.007	1.216	0.016	0.354	0.018
A100F	GR	0.000	0.002	0.000	-0.020	0.000	-0.019
	T1	-0.563	0.000	1.152	0.000	0.028	0.000
	P1	-0.007	0.000	0.015	0.000	0.000	0.000
	SUM	-0.572	0.002	1.167	-0.020	0.028	-0.019
	RESP	0.837	0.000	0.001	0.000	0.257	0.000
	TOTAL	1.408	0.002	1.168	0.020	0.285	0.019
A101	GR	0.000	0.000	0.000	-0.022	0.000	-0.019
	T1	-0.565	0.000	1.144	0.000	0.001	0.000
	P1	-0.007	0.000	0.015	0.000	0.000	0.000
	SUM	-0.572	0.000	1.159	-0.022	0.001	-0.019
	RESP	0.810	0.000	0.001	0.000	0.272	0.000
	TOTAL	1.382	0.000	1.160	0.022	0.272	0.019
A102	GR	0.000	0.000	0.000	0.008	0.000	-0.016
	T1	-0.140	0.000	0.944	0.000	-0.128	0.000
	P1	0.000	0.000	0.012	0.000	-0.002	0.000
	SUM	-0.140	0.000	0.956	0.008	-0.130	-0.016
	RESP	0.000	0.000	0.001	0.000	0.162	0.000
	TOTAL	0.140	0.000	0.957	0.008	0.292	0.016

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A103	GR	0.000	0.000	0.000	-0.002	0.000	-0.012
	T1	-0.112	0.000	0.755	0.000	0.024	0.000
	P1	0.000	0.000	0.010	0.000	0.001	0.000
	SUM	-0.112	0.000	0.765	-0.002	0.025	-0.012
	RESP TOTAL	0.000	0.000	0.001	0.000	0.043	0.000
	TOTAL	0.112	0.000	0.765	0.002	0.068	0.012
A104	GR	0.000	0.000	0.000	0.001	0.000	-0.009
	T1	-0.084	0.000	0.566	0.000	-0.034	0.000
	P1	0.000	0.000	0.007	0.000	0.000	0.000
	SUM	-0.084	0.000	0.574	0.001	-0.035	-0.009
	RESP TOTAL	0.000	0.000	0.000	0.000	0.011	0.000
	TOTAL	0.084	0.000	0.574	0.001	0.046	0.009
A105	GR	0.000	0.000	0.000	0.000	0.000	-0.006
	T1	0.000	0.000	0.378	0.000	-0.017	0.000
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.382	0.000	-0.017	-0.006
	RESP TOTAL	0.000	0.000	0.000	0.000	0.003	0.000
	TOTAL	0.000	0.000	0.383	0.000	0.020	0.006
A106	GR	0.000	0.000	0.000	0.000	0.000	-0.003
	T1	0.000	0.000	0.189	0.000	0.004	0.000
	P1	0.000	0.000	0.002	0.000	0.000	0.000
	SUM	0.000	0.000	0.191	0.000	0.004	-0.003
	RESP TOTAL	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.191	0.000	0.005	0.003
A107	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A108	GR	0.000	0.000	0.000	0.001	0.000	-0.002
	T1	0.000	0.000	-0.189	0.002	0.000	0.012
	P1	0.000	0.000	-0.002	0.000	0.000	0.000
	SUM	0.000	0.000	-0.191	0.003	0.000	0.010
	RESP TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.191	0.003	0.000	0.010

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A109	GR	0.000	0.000	0.000	-0.003	0.000	-0.005
	T1	0.000	0.000	-0.377	-0.009	0.001	0.025
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	-0.382	-0.012	0.001	0.020
	RESP TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.382	0.012	0.002	0.021
A110	GR	0.000	0.000	0.000	0.010	0.000	-0.007
	T1	0.000	0.000	-0.566	0.035	-0.005	0.037
	P1	0.000	0.000	-0.007	0.000	0.000	0.000
	SUM	0.000	0.000	-0.573	0.045	-0.005	0.030
	RESP TOTAL	0.000	0.000	0.000	0.000	0.002	0.001
	TOTAL	0.000	0.000	0.573	0.045	0.007	0.031
A111	GR	0.000	0.002	0.000	-0.002	0.000	-0.008
	T1	0.003	0.026	-0.611	0.045	0.000	0.040
	P1	0.000	0.000	-0.008	0.001	0.000	0.000
	SUM	0.003	0.028	-0.618	0.043	0.000	0.033
	RESP TOTAL	0.001	0.000	0.000	0.000	0.000	0.001
	TOTAL	0.004	0.028	0.618	0.043	0.001	0.033
A112	GR	0.000	0.000	0.000	-0.009	0.000	-0.008
	T1	0.000	0.042	-0.635	0.033	0.012	0.042
	P1	0.000	0.001	-0.008	0.000	0.000	0.000
	SUM	0.000	0.042	-0.643	0.025	0.012	0.034
	RESP TOTAL	0.000	0.000	0.000	0.000	0.005	0.005
	TOTAL	0.000	0.042	0.643	0.025	0.018	0.035
1112	GR	0.000	0.000	0.000	0.004	0.001	-0.011
	T1	-0.064	0.053	-0.804	-0.005	-0.002	0.047
	P1	0.000	0.001	-0.010	0.000	0.000	0.001
	SUM	-0.064	0.053	-0.814	-0.001	-0.001	0.037
	RESP TOTAL	0.000	0.000	0.000	0.000	0.030	0.005
	TOTAL	0.064	0.053	0.814	0.001	0.032	0.042
1113	GR	0.000	0.000	0.000	-0.005	0.001	-0.013
	T1	-0.077	0.064	-0.973	-0.014	0.076	0.058
	P1	0.000	0.001	-0.013	0.000	0.001	0.001
	SUM	-0.077	0.065	-0.986	-0.020	0.078	0.046
	RESP TOTAL	0.000	0.000	0.000	0.001	0.118	0.002
	TOTAL	0.077	0.065	0.986	0.021	0.196	0.048

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A113	GR	0.001	0.000	0.000	-0.019	0.001	-0.015
	T1	-0.183	0.000	-1.148	-0.035	-0.170	0.048
	P1	-0.002	0.000	-0.015	0.000	-0.002	0.001
	SUM	-0.184	0.000	-1.163	-0.017	-0.172	0.034
	RESP	0.537	0.000	0.000	0.003	0.255	0.009
	TOTAL	0.721	0.000	1.165	0.020	0.426	0.042
A114N	GR	0.001	0.002	0.000	0.018	0.001	-0.015
	T1	-0.163	-0.003	-1.156	-0.034	-0.207	0.046
	P1	-0.002	0.000	-0.015	0.000	-0.002	0.001
	SUM	-0.164	-0.001	-1.171	-0.017	-0.209	0.031
	RESP	0.563	0.000	0.000	0.003	0.248	0.008
	TOTAL	0.728	0.002	1.171	0.020	0.457	0.039
A114M	GR	0.001	0.007	0.001	0.017	0.000	-0.016
	T1	0.002	-0.009	-1.122	-0.029	-0.422	0.032
	P1	0.000	0.000	-0.015	0.000	-0.005	0.000
	SUM	0.003	-0.002	-1.136	-0.013	-0.427	0.017
	RESP	0.675	0.001	0.045	0.004	0.200	0.005
	TOTAL	0.678	0.003	1.181	0.017	0.627	0.022
A114F	GR	0.001	0.002	0.001	0.013	0.000	-0.021
	T1	0.139	-0.002	-0.873	-0.025	-0.628	0.018
	P1	0.002	0.000	-0.012	0.000	-0.008	0.000
	SUM	0.142	0.000	-0.884	-0.012	-0.636	-0.002
	RESP	0.712	0.000	0.128	0.004	0.139	0.002
	TOTAL	0.854	0.001	1.012	0.016	0.775	0.004
A115	GR	0.001	0.000	0.001	0.012	0.000	-0.023
	T1	0.146	0.000	-0.806	-0.024	-0.660	0.016
	P1	0.002	0.000	-0.011	0.000	-0.009	0.000
	SUM	0.150	0.000	-0.816	-0.012	-0.669	-0.007
	RESP	0.712	0.000	0.142	0.004	0.127	0.002
	TOTAL	0.862	0.000	0.958	0.016	0.796	0.009
A116	GR	0.001	0.000	0.000	-0.018	0.000	0.028
	T1	0.337	0.000	1.197	-0.004	-0.614	-0.003
	P1	0.005	0.000	0.016	0.000	-0.008	0.000
	SUM	0.342	0.000	1.213	-0.022	-0.622	0.025
	RESP	0.712	0.000	0.126	0.001	0.124	0.000
	TOTAL	1.055	0.000	1.339	0.022	0.746	0.025

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A117N	GR	0.001	0.003	0.000	-0.019	0.000	0.026
	T1	0.344	0.000	1.259	-0.003	-0.578	-0.002
	P1	0.005	0.000	0.017	0.000	-0.008	0.000
	SUM	0.350	0.003	1.276	-0.022	-0.585	0.024
	RESP	0.712	0.000	0.113	0.001	0.133	0.000
	TOTAL	1.062	0.003	1.389	0.022	0.718	0.024
A117M	GR	0.001	0.010	0.000	-0.024	0.000	0.025
	T1	0.469	-0.001	1.479	0.000	-0.352	0.000
	P1	0.007	0.000	0.019	0.000	-0.004	0.000
	SUM	0.477	0.010	1.498	-0.023	-0.357	0.024
	RESP	0.680	0.000	0.038	0.000	0.173	0.000
	TOTAL	1.156	0.010	1.536	0.023	0.529	0.025
A117F	GR	0.001	0.003	0.000	-0.028	0.000	0.025
	T1	0.596	0.000	1.498	0.002	-0.118	0.000
	P1	0.008	0.000	0.019	0.000	-0.001	0.000
	SUM	0.605	0.003	1.517	-0.026	-0.119	0.025
	RESP	0.586	0.000	0.000	0.000	0.204	0.000
	TOTAL	1.190	0.003	1.518	0.026	0.323	0.025
A118	GR	0.001	0.000	0.000	-0.029	0.000	0.025
	T1	0.606	0.000	1.490	0.001	-0.078	0.000
	P1	0.008	0.000	0.019	0.000	-0.001	0.000
	SUM	0.615	0.000	1.509	-0.028	-0.078	0.025
	RESP	0.564	0.000	0.000	0.000	0.209	0.000
	TOTAL	1.179	0.000	1.510	0.028	0.287	0.025
A119	GR	0.000	0.000	0.000	0.008	0.000	0.021
	T1	0.078	0.000	1.278	0.000	0.168	0.000
	P1	0.000	0.000	0.017	0.000	0.002	0.000
	SUM	0.078	0.000	1.295	-0.007	-0.170	0.022
	RESP	0.000	0.000	0.000	0.000	0.102	0.000
	TOTAL	0.078	0.000	1.295	0.007	0.272	0.022
A120	GR	0.000	0.000	0.000	-0.002	0.000	0.018
	T1	0.065	0.000	1.065	0.000	-0.028	0.000
	P1	0.000	0.000	0.014	0.000	-0.001	0.000
	SUM	0.065	0.000	1.079	-0.002	-0.029	0.018
	RESP	0.000	0.000	0.000	0.000	0.027	0.000
	TOTAL	0.065	0.000	1.079	0.002	0.056	0.018

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A121	GR	0.000	0.000	0.000	0.001	0.000	0.014
	T1	0.000	0.000	0.852	0.000	0.025	0.000
	P1	0.000	0.000	0.011	0.000	0.000	0.000
	SUM	0.000	0.000	0.863	0.001	0.026	0.014
	RESP	0.000	0.000	0.000	0.000	0.007	0.000
	TOTAL	0.000	0.000	0.864	0.001	0.033	0.014
A122	GR	0.000	0.000	0.000	0.000	0.000	0.011
	T1	0.000	0.000	0.639	0.000	-0.007	0.000
	P1	0.000	0.000	0.008	0.000	0.000	0.000
	SUM	0.000	0.000	0.648	0.000	-0.007	0.011
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.648	0.000	0.009	0.011
A123	GR	0.000	0.000	0.000	0.000	0.000	0.007
	T1	0.000	0.000	0.426	0.000	0.002	0.000
	P1	0.000	0.000	0.006	0.000	0.000	0.000
	SUM	0.000	0.000	0.432	0.000	0.002	0.007
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.432	0.000	0.002	0.007
A124	GR	0.000	0.000	0.000	0.000	0.000	0.004
	T1	0.000	0.000	0.213	0.000	0.000	0.000
	P1	0.000	0.000	0.003	0.000	0.000	0.000
	SUM	0.000	0.000	0.216	0.000	0.000	0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.216	0.000	0.001	0.004
A125	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A126	GR	0.000	0.000	0.000	0.000	0.000	0.003
	T1	0.000	0.000	-0.213	0.000	0.000	0.000
	P1	0.000	0.000	-0.003	0.000	0.000	0.000
	SUM	0.000	0.000	-0.216	0.000	0.000	0.008
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.216	0.000	0.000	0.008

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A127	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.426	0.000	-0.001	0.010
	P1	0.000	0.000	-0.006	0.000	0.000	0.000
	SUM	0.000	0.000	-0.431	0.000	-0.001	0.015
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.431	0.000	0.001	0.015
A128	GR	0.000	0.000	0.000	0.000	0.000	0.008
	T1	0.000	0.000	-0.638	0.000	0.002	0.015
	P1	0.000	0.000	-0.008	0.000	0.000	0.000
	SUM	0.000	0.000	-0.647	0.000	0.002	0.023
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.647	0.000	0.005	0.023
A129	GR	0.000	0.000	0.000	0.000	0.000	0.010
	T1	0.000	0.000	-0.851	0.000	-0.009	0.020
	P1	0.000	0.000	-0.011	0.000	0.000	0.000
	SUM	0.000	0.000	-0.862	-0.001	-0.009	0.031
	RESP	0.000	0.000	0.000	0.000	0.009	0.000
	TOTAL	0.000	0.000	0.862	0.001	0.018	0.031
A130	GR	0.000	0.000	0.000	0.002	0.000	0.013
	T1	0.000	0.000	-1.064	0.001	0.033	0.025
	P1	0.000	0.000	-0.014	0.000	0.001	0.000
	SUM	0.000	0.000	-1.078	0.002	0.034	0.038
	RESP	0.000	0.000	0.000	0.000	0.033	0.000
	TOTAL	0.000	0.000	1.078	0.002	0.067	0.039
A131	GR	0.000	0.000	0.000	-0.006	0.000	0.016
	T1	0.068	0.000	-1.277	-0.002	-0.195	0.030
	P1	0.000	0.000	-0.017	0.000	-0.003	0.000
	SUM	0.068	0.000	-1.295	-0.008	-0.197	0.046
	RESP	0.000	0.000	0.000	0.000	0.123	0.000
	TOTAL	0.068	0.000	1.293	0.008	0.321	0.046
A132	GR	0.000	0.000	0.000	0.023	0.000	0.018
	T1	0.502	0.000	-1.488	0.009	0.223	0.035
	P1	0.007	0.000	-0.019	0.000	0.003	0.000
	SUM	0.509	0.000	-1.508	0.032	0.226	0.054
	RESP	0.662	0.000	0.000	0.000	0.231	0.000
	TOTAL	1.170	0.000	1.508	0.033	0.457	0.054

LINES 251

DISPLACEMENTS

DISPLACEMENTS

Point	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A135M	GR	0.000	0.000	0.007	0.014	0.000	0.000
	T1	0.000	0.000	0.007	0.014	0.000	0.000
	P1	0.000	0.000	0.007	0.014	0.000	0.000
	SUM	0.000	0.000	0.007	0.014	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	GR	0.000	0.000	0.007	0.014	0.000	0.000
	T1	0.000	0.000	0.007	0.014	0.000	0.000
	P1	0.000	0.000	0.007	0.014	0.000	0.000
	SUM	0.000	0.000	0.007	0.014	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
A135F	GR	0.000	0.002	0.000	0.014	0.000	0.000
	T1	0.000	0.002	0.000	0.014	0.000	0.000
	P1	0.000	0.002	0.000	0.014	0.000	0.000
	SUM	0.000	0.002	0.000	0.014	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
A137	GR	0.000	0.000	0.000	0.016	0.000	0.000
	T1	0.000	0.000	0.000	0.016	0.000	0.000
	P1	0.000	0.000	0.000	0.016	0.000	0.000
	SUM	0.000	0.000	0.000	0.016	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
A138	GR	0.000	0.000	0.000	0.019	0.000	0.000
	T1	0.000	0.000	0.000	0.019	0.000	0.000
	P1	0.000	0.000	0.000	0.019	0.000	0.000
	SUM	0.000	0.000	0.000	0.019	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
A139	GR	0.000	0.000	0.000	0.022	0.000	0.000
	T1	0.000	0.000	0.000	0.022	0.000	0.000
	P1	0.000	0.000	0.000	0.022	0.000	0.000
	SUM	0.000	0.000	0.000	0.022	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	GR	0.000	0.000	0.000	0.022	0.000	0.000
	T1	0.000	0.000	0.000	0.022	0.000	0.000
	P1	0.000	0.000	0.000	0.022	0.000	0.000
	SUM	0.000	0.000	0.000	0.022	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000

Point	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A135M	GR	0.000	0.002	0.000	0.014	0.000	0.000
	T1	0.000	0.002	0.000	0.014	0.000	0.000
	P1	0.000	0.002	0.000	0.014	0.000	0.000
	SUM	0.000	0.002	0.000	0.014	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
A137	GR	0.000	0.000	0.000	0.016	0.000	0.000
	T1	0.000	0.000	0.000	0.016	0.000	0.000
	P1	0.000	0.000	0.000	0.016	0.000	0.000
	SUM	0.000	0.000	0.000	0.016	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
A139	GR	0.000	0.000	0.000	0.022	0.000	0.000
	T1	0.000	0.000	0.000	0.022	0.000	0.000
	P1	0.000	0.000	0.000	0.022	0.000	0.000
	SUM	0.000	0.000	0.000	0.022	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	GR	0.000	0.000	0.000	0.022	0.000	0.000
	T1	0.000	0.000	0.000	0.022	0.000	0.000
	P1	0.000	0.000	0.000	0.022	0.000	0.000
	SUM	0.000	0.000	0.000	0.022	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A140	GR	0.000	0.000	0.000	0.000	0.000	-0.008
	T1	0.000	0.000	0.638	0.000	0.002	0.015
	P1	0.000	0.000	0.008	0.000	0.000	0.000
	SUM	0.000	0.000	0.647	0.000	0.002	0.007
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.647	0.000	0.005	0.007
A141	GR	0.000	0.000	0.000	0.000	0.000	-0.005
	T1	0.000	0.000	0.426	0.000	-0.001	0.010
	P1	0.000	0.000	0.006	0.000	0.000	0.000
	SUM	0.000	0.000	0.431	0.000	-0.001	0.005
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.431	0.000	0.001	0.005
A142	GR	0.000	0.000	0.000	0.000	0.000	-0.003
	T1	0.000	0.000	0.213	0.000	0.000	0.005
	P1	0.000	0.000	0.003	0.000	0.000	0.000
	SUM	0.000	0.000	0.216	0.000	0.000	0.002
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.216	0.000	0.000	0.002
A143	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A144	GR	0.000	0.000	0.000	0.000	0.000	0.004
	T1	0.000	0.000	-0.213	0.000	0.004	0.000
	P1	0.000	0.000	-0.003	0.000	0.000	0.000
	SUM	0.000	0.000	-0.216	0.000	0.004	0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.216	0.000	0.004	0.004
A145	GR	0.000	0.000	0.000	0.000	0.000	0.008
	T1	0.000	0.000	-0.426	0.000	-0.017	0.000
	P1	0.000	0.000	-0.006	0.000	0.000	0.000
	SUM	0.000	0.000	-0.432	0.000	-0.017	0.008
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.432	0.000	0.018	0.008

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A146	GR	0.000	0.000	0.000	0.000	0.000	-0.012
	T1	0.080	0.000	-0.639	0.000	-0.019	0.000
	P1	0.000	0.000	-0.008	0.000	0.000	0.000
	SUM	0.080	0.000	-0.648	0.000	-0.019	0.012
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.080	0.000	0.648	0.000	0.020	0.012
A147	GR	0.000	0.000	0.000	-0.001	0.000	0.016
	T1	0.107	0.000	-0.853	0.000	-0.019	0.000
	P1	0.000	0.000	-0.011	0.000	0.000	0.000
	SUM	0.107	0.000	-0.864	-0.001	-0.019	0.016
	RESP	0.000	0.000	0.000	0.000	0.007	0.000
	TOTAL	0.107	0.000	0.864	0.001	0.026	0.016
A148	GR	0.000	0.000	0.000	0.002	0.000	0.019
	T1	0.134	0.000	-1.066	0.000	0.038	0.000
	P1	0.000	0.000	-0.014	0.000	0.001	0.000
	SUM	0.134	0.000	-1.079	0.002	0.039	0.019
	RESP	0.000	0.000	0.000	0.000	0.025	0.000
	TOTAL	0.134	0.000	1.080	0.002	0.064	0.019
A149	GR	0.000	0.000	0.000	-0.008	0.000	0.023
	T1	0.161	0.000	-1.279	0.000	-0.190	0.000
	P1	0.000	0.000	-0.017	0.000	-0.003	0.000
	SUM	0.161	0.000	-1.295	-0.008	-0.193	0.023
	RESP	0.000	0.000	0.000	0.000	0.094	0.000
	TOTAL	0.161	0.000	1.296	0.008	0.287	0.023
A150	GR	0.000	0.000	0.000	0.030	0.000	0.027
	T1	0.899	0.000	-1.491	0.000	-0.075	0.000
	P1	0.012	0.000	-0.019	0.000	-0.001	0.000
	SUM	0.911	0.000	-1.510	0.030	-0.076	0.027
	RESP	0.478	0.000	0.000	0.000	0.149	0.000
	TOTAL	1.389	0.000	1.510	0.030	0.225	0.027
A151N	GR	0.000	0.003	0.000	0.029	0.000	0.027
	T1	0.905	0.000	-1.498	0.000	-0.063	0.000
	P1	0.012	0.000	-0.019	0.000	-0.001	0.000
	SUM	0.917	0.003	-1.518	0.029	-0.044	0.027
	RESP	0.493	0.000	0.000	0.000	0.141	0.000
	TOTAL	1.410	0.003	1.518	0.029	0.185	0.027

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A151M	GR	0.000	0.011	0.000	0.026	0.000	0.027
	T1	0.868	0.000	-1.518	0.000	0.147	0.000
	P1	0.011	0.000	-0.020	0.000	0.002	0.000
	SUM	0.880	0.011	-1.538	0.026	0.149	0.027
	RESP	0.553	0.000	0.023	0.000	0.097	0.000
	TOTAL	1.432	0.011	1.561	0.026	0.246	0.027
A151F	GR	0.000	0.003	0.000	0.025	0.000	0.027
	T1	0.788	0.000	-1.411	0.000	0.330	0.000
	P1	0.010	0.000	-0.018	0.000	0.005	0.000
	SUM	0.799	0.003	-1.429	0.025	0.335	0.027
	RESP	0.569	0.000	0.058	0.000	0.052	0.000
	TOTAL	1.368	0.003	1.488	0.025	0.387	0.027
A152	GR	0.000	0.000	0.000	0.024	0.000	0.028
	T1	0.781	0.000	-1.375	0.000	0.359	0.000
	P1	0.010	0.000	-0.018	0.000	0.005	0.000
	SUM	0.791	0.000	-1.393	0.024	0.364	0.028
	RESP	0.569	0.000	0.063	0.000	0.045	0.000
	TOTAL	1.360	0.000	1.456	0.024	0.409	0.028
A153	GR	0.000	0.000	0.000	0.014	0.000	-0.009
	T1	0.580	0.000	-0.133	0.000	0.286	0.000
	P1	0.007	0.000	0.000	0.000	0.004	0.000
	SUM	0.588	0.000	-0.133	0.014	0.289	-0.009
	RESP	0.569	0.000	0.000	0.000	0.062	0.000
	TOTAL	1.157	0.000	0.133	0.014	0.351	0.009
A154	GR	0.000	-0.005	0.000	0.009	0.000	0.003
	T1	0.490	0.000	0.025	0.000	0.014	0.000
	P1	0.006	0.000	0.001	0.000	-0.001	0.000
	SUM	0.496	-0.005	0.027	0.009	0.013	0.003
	RESP	0.569	0.000	0.066	0.000	0.029	0.000
	TOTAL	1.065	0.005	0.092	0.009	0.042	0.003
A155	GR	0.000	0.000	0.000	0.003	0.000	0.008
	T1	0.380	0.000	0.000	0.000	0.014	0.000
	P1	0.005	0.000	0.000	0.000	0.000	0.000
	SUM	0.385	0.000	0.000	0.003	0.013	0.008
	RESP	0.569	0.000	0.000	0.000	0.140	0.000
	TOTAL	0.954	0.000	0.000	0.003	0.153	0.008

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A156	GR	0.000	0.000	0.000	-0.009	0.000	-0.013
	T1	0.166	0.000	0.194	0.000	-0.004	0.000
	P1	0.002	0.000	0.002	0.000	0.000	0.000
	SUM	0.168	0.000	0.197	-0.009	-0.004	-0.013
	RESP	0.569	0.000	0.583	0.000	0.128	0.000
	TOTAL	0.737	0.000	0.780	0.009	0.131	0.013
A157N	GR	0.000	0.001	0.000	-0.009	0.000	-0.010
	T1	0.158	0.000	0.193	0.000	-0.018	0.000
	P1	0.002	0.000	0.002	0.000	0.000	0.000
	SUM	0.160	0.001	0.196	-0.009	-0.018	-0.010
	RESP	0.569	0.000	0.592	0.000	0.126	0.000
	TOTAL	0.729	0.001	0.788	0.009	0.144	0.010
A157M	GR	0.000	0.001	0.000	-0.008	0.000	0.000
	T1	0.137	0.000	0.150	0.000	-0.101	0.000
	P1	0.002	0.000	0.002	0.000	-0.001	0.000
	SUM	0.138	0.001	0.152	-0.008	-0.103	0.000
	RESP	0.542	0.000	0.606	0.000	0.194	0.000
	TOTAL	0.681	0.001	0.758	0.008	0.297	0.000
A157F	GR	0.000	-0.001	0.000	-0.001	0.000	0.001
	T1	0.191	0.000	0.088	0.000	-0.167	0.000
	P1	0.002	0.000	0.001	0.000	-0.002	0.000
	SUM	0.193	-0.001	0.089	-0.001	-0.169	0.001
	RESP	0.433	0.000	0.595	0.000	0.276	0.000
	TOTAL	0.626	0.001	0.684	0.001	0.445	0.001
A159	GR	0.000	0.000	0.000	0.002	0.000	0.001
	T1	0.320	0.000	0.035	0.000	-0.171	0.000
	P1	0.004	0.000	0.000	0.000	-0.003	0.000
	SUM	0.324	0.000	0.035	0.002	-0.180	0.001
	RESP	0.227	0.000	0.595	0.000	0.308	0.000
	TOTAL	0.551	0.000	0.630	0.002	0.488	0.001
A160N	GR	0.000	0.000	0.000	0.001	0.000	0.001
	T1	0.338	0.000	0.027	0.000	-0.171	0.000
	P1	0.004	0.000	0.000	0.000	-0.002	0.000
	SUM	0.342	0.000	0.027	0.001	-0.174	0.001
	RESP	0.196	0.000	0.595	0.000	0.305	0.000
	TOTAL	0.539	0.000	0.623	0.001	0.479	0.001

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL		Dirn	Force	Deform
				Force	Deform	Force	Deform			
A01 A01 1 Stiff	Guide :RIGID	GR	down	160	0.000	X	0.000			
			left		0.000	Y	-160	0.000		
						Z		0.000		
		T1	down		0.000	X	-0.102			
			right	183	0.000	Y	0.000			
						Z	-183	-0.065		
	P1	down		0.000	X	-0.001				
		right	6	0.000	Y	0.000				
					Z	-6	0.000			
	SUM	down		0.000	X	-0.103				
		right	160	0.000	Y	0.000				
			189	0.000	Z	-160	-0.065			
RESP	down		0.000	X	0.000					
	left	396	0.000	Y	0.000					
				Z	396	0.000				
TOTAL	down		0.000	X	0.103					
	left	160	0.000	Y	0.000					
		585	0.000	Z	160	0.065				
A02 A02 1 Stiff	Inclined :RIGID	GR	back	69	0.000	X	0.000			
						Y	-69	0.000		
						Z		0.000		
		T1	back		0.000	X	-0.235			
						Y	0.000			
						Z	-0.258			
	P1	back		0.000	X	-0.003				
					Y	0.000				
					Z	-0.003				
	SUM	back		0.000	X	-0.238				
			69	0.000	Y	0.000				
					Z	-69	-0.261			
RESP	back		0.000	X	0.001					
				Y	0.000					
				Z	0.232					
TOTAL	back		0.000	X	-0.239					
		69	0.000	Y	0.000					
				Z	69	0.493				

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL		Dirn	Force	Deform
				Force	Deform	Force	Deform			
A04 A04 2 Stiff	Inclined :RIGID	GR	back	132	0.000	X	0.000			
						Y	-132	0.000		
						Z		0.000		
		T1	back		0.000	X	-0.265			
						Y	0.000			
						Z	-0.230			
	P1	back		0.000	X	-0.004				
					Y	0.000				
					Z	-0.003				
	SUM	back		0.000	X	-0.269				
			132	0.000	Y	0.000				
					Z	-132	-0.233			
RESP	back		0.000	X	0.007					
				Y	0.000					
				Z	0.260					
TOTAL	back		0.000	X	0.275					
		132	0.000	Y	0.000					
				Z	132	0.493				
A05 A04 1 Stiff	Guide :RIGID	GR	down	208	0.000	X	0.000			
			left	0	0.000	Y	-208	0.000		
						Z	0	0.000		
		T1	down		0.000	X	-173	-0.137		
			right	245	0.000	Y	0.000			
						Z	-173	0.137		
	P1	down		0.000	X	-3	-0.002			
		right	4	0.000	Y	0.000				
					Z	-3	0.002			
	SUM	down		0.000	X	-176	-0.139			
		right	208	0.000	Y	-208	0.000			
			249	0.000	Z	-176	0.139			
RESP	down		0.000	X	127	0.127				
	left	180	0.000	Y	0.000					
				Z	127	0.127				
TOTAL	down		0.000	X	303	0.266				
	left	208	0.000	Y	208	0.000				
		429	0.000	Z	303	0.266				
A06	GR	down	191	0.000	X	0	0.000			

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL		
				Force	Deform	Dirn	Force	Deform
A05 1 Stiff	Guide :RIGID		left	0	0.000	Y Z	-191 0	0.000 0.000
		T1	down left		0.000 125 0.000	X Y Z	89 -0.257 0.000 89 0.257	
		P1	down left		0.000 3 0.000	X Y Z	2 -0.004 0.000 2 0.004	
		SUM	down left		191 0.000 128 0.000	X Y Z	91 -0.260 -191 0.000 91 0.260	
		RESP	down left		0.000 71 0.000	X Y Z	50 0.127 0.000 50 0.127	
		TOTAL	down left		191 0.000 199 0.000	X Y Z	141 0.388 191 0.000 141 0.388	
A07 A06 1 Stiff	Guide :RIGID		down right	195 0.000 0 0.000	0.000 0.000	X Y Z	0 0.000 -195 0.000 0 0.000	
		T1	down right		0.000 182 0.000	X Y Z	-129 -0.377 0.000 -129 0.377	
		P1	down right		0.000 5 0.000	X Y Z	-4 -0.005 0.000 -4 0.005	
		SUM	down right		195 0.000 187 0.000	X Y Z	-132 -0.382 -195 0.000 -132 0.382	
		RESP	down left		0.000 5 0.000	X Y Z	3 0.127 0.000 3 0.127	
		TOTAL	down left		195 0.000 192 0.000	X Y Z	136 0.509 195 0.000 136 0.509	
A08 A08 2	Guide	GR	down left		196 0.000 0 0.000	X Y	0 0.000 -196 0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL			
				Force	Deform	Dirn	Force	Deform	
	Stiff :RIGID							X Z	0 0.000
		T1	down left		0.000 469 0.000	X Y Z	331 -0.349 0.000 331 0.643		
		P1	down left		0.000 10 0.000	X Y Z	7 -0.007 0.000 7 0.007		
		SUM	down left		196 0.000 478 0.000	X Y Z	338 -0.356 -196 0.000 338 0.650		
		RESP	down left		0.000 40 0.000	X Y Z	28 0.128 0.000 28 0.128		
		TOTAL	down left		196 0.000 518 0.000	X Y Z	366 0.484 196 0.000 366 0.778		
A09 A09 1 Stiff	Inclined :RIGID	GR	back		146 0.000	X Y Z	0 0.000 -146 0.000 0 0.000		
		T1	back		0.000	X Y Z	0.139 0.000 0.000 1.356		
		P1	back		0.000	X Y Z	0.002 0.000 0.018		
		SUM	back		146 0.000	X Y Z	0.140 0.000 -146 1.374		
		RESP	back		0.000	X Y Z	0.109 0.000 0.146		
		TOTAL	back		146 0.000	X Y Z	0.269 0.000 146 1.520		
A11 A11 1 Stiff	Inclined :RIGID	GR	back		108 0.000	X Y Z	0 0.000 -108 0.000 0 0.000		

UNREPLACED

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		T1	back		0.000	X		0.155
						Y		0.000
						Z		1.340
		P1	back		0.000	X		0.002
						Y		0.000
						Z		0.017
		SUM	back	108	0.000	X		0.157
						Y	-108	0.000
						Z		1.358
		RESP	back		0.000	X		0.097
						Y		0.000
						Z		0.097
		TOTAL	back	108	0.000	X		0.254
						Y	108	0.000
						Z		1.455
A12		GR	down	195	0.000	X		0
A12	2	Guide	left	0	0.000	Y		-195
Stiff		:RIGID				Z		0
		T1	down		0.000	X		-387
			left	547	0.000	Y		0.517
						Z		0.000
								387
		P1	down		0.000	X		-7
			left	10	0.000	Y		0.008
						Z		0.000
								7
		SUM	down	195	0.000	X		-393
			left	556	0.000	Y		0.526
						Z		0.000
								-195
								0.000
								393
		RESP	down		0.000	X		68
			left	97	0.000	Y		0.000
						Z		0.000
								68
		TOTAL	down	195	0.000	X		462
			left	653	0.000	Y		0.526
						Z		0.000
								195
								0.000
								462
A13		GR	down	216	0.000	X		0
A13	1	Guide	left	0	0.000	Y		-216
Stiff		:RIGID				Z		0
		T1	down		0.000	X		145

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	205	0.000	Y		0.631
						Z		-145
		P1	down		0.000	X		3
			right	4	0.000	Y		0.007
						Z		-3
		SUM	down	216	0.000	X		148
			right	209	0.000	Y		-216
						Z		-148
		RESP	down		0.000	X		32
			left	45	0.000	Y		0.000
						Z		32
		TOTAL	down	216	0.000	X		180
			left	254	0.000	Y		-216
						Z		180
								0.638
A14		GR	down	211	0.000	X		0
A14	1	Guide	left	0	0.000	Y		-211
Stiff		:RIGID				Z		0
		T1	down		0.000	X		-11
			left	16	0.000	Y		0.311
						Z		0.000
								11
		P1	down		0.000	X		-1
			left	1	0.000	Y		0.000
						Z		0.005
								1
		SUM	down	211	0.000	X		-12
			left	17	0.000	Y		0.316
						Z		-211
								0.000
								12
		RESP	down		0.000	X		9
			left	12	0.000	Y		0.000
						Z		9
								0.000
		TOTAL	down	211	0.000	X		20
			left	29	0.000	Y		-211
						Z		20
								0.478
A15		GR	down	212	0.000	X		0
A15	1	Guide	left	0	0.000	Y		-212
Stiff		:RIGID				Z		0
		T1	down		0.000	X		-23
			left	33	0.000	Y		0.261
						Z		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z	23	0.261
	P1	down right		0	0.000	X	0	0.003
						Y	0	0.000
						Z	0	0.003
	SUM	down left	212 33	0.000 0.000	X	-23	0.265	0.003
					Y	-212	0.000	0.000
					Z	23	0.265	0.000
	RESP	down left		0.000 0.000	X	2	0.000	0.000
			3		Y	0	0.000	0.000
					Z	2	0.000	0.000
	TOTAL	down left	212 36	0.000 0.000	X	26	0.265	0.000
					Y	212	0.000	0.000
					Z	26	0.265	0.000
A16 A16 1 Stiff	GR	down left	212 0	0.000 0.000	X	0	0.000	0.000
					Y	-212	0.000	0.000
					Z	0	0.000	0.000
	T1	down right		0.000 0.000	X	16	0.131	0.000
			23		Y	0	0.000	0.000
					Z	-16	0.131	0.000
	P1	down left		0.000 0.000	X	0	0.002	0.000
			0		Y	0	0.000	0.000
					Z	0	0.002	0.000
	SUM	down right	212 23	0.000 0.000	X	16	0.132	0.000
					Y	-212	0.000	0.000
					Z	-16	0.132	0.000
	RESP	down left		0.000 0.000	X	1	0.000	0.000
			1		Y	0	0.000	0.000
					Z	1	0.000	0.000
	TOTAL	down left	212 24	0.000 0.000	X	17	0.132	0.000
					Y	212	0.000	0.000
					Z	17	0.132	0.000
A18 A18 1 Stiff	GR	down right	212 1	0.000 0.000	X	0	0.000	0.000
					Y	-212	0.000	0.000
					Z	0	0.000	0.000
	T1	up right		0.000 0.000	X	8	-0.130	0.000
			11		Y	0	0.000	0.000
					Z	-8	-0.130	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
	P1	up right		0	0.000	X	0	-0.002
						Y	0	0.000
						Z	0	-0.002
	SUM	down right	212 12	0.000 0.000	X	9	-0.132	0.000
					Y	-212	0.000	0.000
					Z	-9	-0.132	0.000
	RESP	down left		0.000 0.000	X	3	0.000	0.000
			5		Y	0	0.000	0.000
					Z	3	0.000	0.000
	TOTAL	down left	212 17	0.000 0.000	X	12	0.132	0.000
					Y	212	0.000	0.000
					Z	12	0.132	0.000
A19 A19 1 Stiff	GR	down left	210 2	0.000 0.000	X	-1	0.000	0.000
					Y	-210	0.000	0.000
					Z	1	0.000	0.000
	T1	down left		0.000 0.000	X	-29	-0.260	0.000
			41		Y	0	0.000	0.000
					Z	29	-0.260	0.000
	P1	down left		0.000 0.000	X	0	-0.003	0.000
			1		Y	0	0.000	0.000
					Z	0	-0.003	0.000
	SUM	down left	211 43	0.000 0.000	X	-31	-0.263	0.000
					Y	-211	0.000	0.000
					Z	31	-0.263	0.000
	RESP	down left		0.000 0.000	X	12	0.000	0.000
			17		Y	0	0.000	0.000
					Z	12	0.000	0.000
	TOTAL	down left	211 61	0.000 0.000	X	43	0.264	0.000
					Y	211	0.000	0.000
					Z	43	0.264	0.000
A20 A20 1 Stiff	GR	down right	218 8	0.000 0.000	X	5	0.000	0.000
					Y	-218	0.000	0.000
					Z	-5	0.000	0.000
	T1	up right		2.000 0.000	X	106	-0.390	0.000
			151		Y	2	0.000	0.000
					Z	-106	-0.390	0.000
	P1	up		0.000	X	1	-0.005	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	2	0.000	Y	0	0.000
						Z	-1	-0.005
	SUM		down	217	0.000	X	113	-0.395
			right	160	0.000	Y	-217	0.000
						Z	-113	-0.395
	RESP		down	1	0.000	X	46	0.001
			left	65	0.000	Y	1	0.000
						Z	46	0.001
	TOTAL		down	218	0.000	X	159	0.396
			left	225	0.000	Y	218	0.000
						Z	159	0.396
A21	GR	1 Guide	down	182	0.000	X	-19	0.000
A21		Stiff :RIGID	left	27	0.000	Y	-182	0.000
						Z	19	0.000
	T1		down	8	0.000	X	-354	-0.520
			left	501	0.000	Y	-8	0.000
						Z	354	-0.520
	P1		down	0	0.000	X	-5	-0.007
			left	7	0.000	Y	0	0.000
						Z	5	-0.007
	SUM		down	191	0.000	X	-378	-0.527
			left	534	0.000	Y	-191	0.000
						Z	378	-0.527
	RESP		down	7	0.000	X	118	0.001
			left	167	0.000	Y	7	0.000
						Z	118	0.001
	TOTAL		down	198	0.000	X	496	0.528
			left	701	0.000	Y	198	0.000
						Z	496	0.528
A22	GR	1 Inclined	back	143	0.000	X	-0.009	0.000
A22		Stiff :RIGID				Y	-143	0.000
						Z	0.010	0.010
	T1		forw	29	0.000	X	-0.823	0.000
						Y	29	0.000
						Z	-0.406	-0.406
	P1		forw	0	0.000	X	-0.011	0.000
						Y	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						X		-0.005
						Z		
	SUM	back	113	0.000	X			-0.843
					Y	-113		0.000
					Z			-0.402
	RESP	back	15	0.000	X		15	0.126
					Y			0.000
					Z			0.127
	TOTAL	back	128	0.000	X			0.969
					Y	128		0.000
					Z			0.528
A25	GR	1 Inclined	back	125	0.000	X		0.022
A24		Stiff :RIGID				Y	-125	0.000
						Z		0.022
	T1		back	149	0.000	X		-0.323
					Y	-149		0.000
					Z			-0.288
	P1		back	2	0.000	X		-0.004
					Y	-2		0.000
					Z			-0.004
	SUM	back	276	0.000	X			-0.305
					Y	-276		0.000
					Z			-0.270
	RESP	back	10	0.000	X		10	0.206
					Y			0.000
					Z			0.165
	TOTAL	back	286	0.000	X		286	0.511
					Y			0.000
					Z			0.435
A27	GR	1 Inclined	back	113	0.000	X		0.046
A27		Stiff :RIGID				Y	-113	0.000
						Z		0.028
	T1		forw	51	0.000	X		0.062
					Y	51		0.000
					Z			-0.270
	P1		forw	1	0.000	X		0.001
					Y	1		0.000
					Z			-0.004

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		SUM	back	61	0.000	X		0.109
						Y	-61	0.000
						Z		-0.246
		RESP	back	20	0.000	X		0.231
						Y	20	0.000
						Z		0.169
		TOTAL	back	81	0.000	X		0.340
						Y	81	0.000
						Z		0.415
A28	1 Guide Stiff :RIGID	GR	down	190	0.000	X		2 0.037
		right	26	0.000	Y	-189	-0.006	
						Z		-34 0.037
		T1	down	31	0.000	X		356 -0.192
			right	507	0.000	Y		-31 0.032
						Z		-361 -0.192
		P1	down	0	0.000	X		5 -0.003
			right	7	0.000	Y		0 0.000
						Z		-5 -0.003
		SUM	down	222	0.000	X		363 -0.158
			right	539	0.000	Y		-221 0.027
						Z		-400 -0.158
		RESP	down	21	0.000	X		118 0.155
			left	166	0.000	Y		21 0.026
						Z		117 0.155
		TOTAL	down	244	0.000	X		481 0.313
			left	705	0.000	Y		242 0.053
						Z		516 0.313
A29	1 Guide Stiff :RIGID	GR	down	240	0.000	X		-22 0.037
		left	2	0.000	Y	-238	-0.006	
						Z		-18 0.037
		T1	up	38	0.000	X		-176 -0.329
			left	254	0.000	Y		38 0.055
						Z		183 -0.329
		P1	up	1	0.000	X		-2 -0.004
			left	3	0.000	Y		1 0.001
						Z		2 -0.004
		SUM	down	201	0.000	X		-200 -0.297

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	260	0.000	X		-199 0.050
						Y		167 -0.297
		RESP	down	17	0.000	X		68 0.155
			left	95	0.000	Y		17 0.026
						Z		67 0.155
		TOTAL	down	218	0.000	X		268 0.452
			left	355	0.000	Y		217 0.076
						Z		234 0.452
A30	1 Guide Stiff :RIGID	GR	down	185	0.000	X		-27 0.037
		left	16	0.000	Y	-184	-0.006	
						Z		-4 0.037
		T1	down	76	0.000	X		394 -0.466
			right	567	0.000	Y		-76 0.079
						Z		-407 -0.466
		P1	down	1	0.000	X		5 -0.006
			right	8	0.000	Y		-1 0.001
						Z		-5 -0.006
		SUM	down	262	0.000	X		373 -0.435
			right	558	0.000	Y		-260 0.073
						Z		-416 -0.435
		RESP	down	26	0.000	X		112 0.155
			left	157	0.000	Y		25 0.026
						Z		110 0.155
		TOTAL	down	288	0.000	X		484 0.591
			left	714	0.000	Y		286 0.100
						Z		526 0.591
A31	1 Inclined Stiff :RIGID	GR	back	125	0.000	X		0.032
						Y		0.000
						Z		-125 0.042
		T1	forw	76	0.000	X		-0.410
					Y			76 0.000
					Z			-0.716
		P1	forw	1	0.000	X		-0.005
					Y			1 0.000
					Z			-0.009
		SUM	back	48	0.000	X		-0.383
					Y			-48 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL		Dirn	Force	Deform
				Force	Deform	Force	Deform			
		RESP	back	28	0.000					
		TOTAL	back	76	0.000					
		GR	back	83	0.000					
A33	A33 1	Inclined								
Stiff		:RIGID								
		T1	back	7	0.000					
		P1	back	0	0.000					
		SUM	back	90	0.000					
		RESP	back	29	0.000					
		TOTAL	back	119	0.000					
		GR	back	72	0.000					
A34	A34 1	Inclined								
Stiff		:RIGID								
		T1	forw	93	0.000					
		P1	forw	1	0.000					
		SUM	forw	21	0.000					

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL		Dirn	Force	Deform
				Force	Deform	Force	Deform			
		RESP	back	32	0.000					
		TOTAL	back	54	0.000					
		GR	back	142	0.000					
A36	A36 1	Inclined								
Stiff		:RIGID								
		T1	back	17	0.000					
		P1	back	0	0.000					
		SUM	back	159	0.000					
		RESP	back	5	0.000					
		TOTAL	back	164	0.000					
		GR	down	199	0.000					
A37	A37 1	Guide								
Stiff		:RIGID								
		T1	up	0	0.000					
			left	601	0.000					
		P1	down	0	0.000					
			left	8	0.000					
		SUM	down	199	0.000					
			left	590	0.000					
		RESP	down	0	0.000					

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL		
				Force	Deform	Dirn	Force	Deform
			left	173	0.000	Y	0	0.000
						Z	123	0.000
		TOTAL	down	199	0.000	X	540	0.264
			left	763	0.000	Y	199	0.000
						Z	540	0.264
A38	1	GR	down	215	0.000	X	-5	0.000
A38	1		left	7	0.000	Y	-215	0.000
Stiff	:RIGID					Z	5	0.000
		T1	down	0	0.000	X	154	0.130
			right	217	0.000	Y	0	0.000
						Z	-154	0.130
		P1	up	0	0.000	X	2	0.002
			right	3	0.000	Y	0	0.000
						Z	-2	0.002
		SUM	down	215	0.000	X	151	0.132
			right	214	0.000	Y	-215	0.000
						Z	-151	0.132
		RESP	down	0	0.000	X	62	0.000
			left	87	0.000	Y	0	0.000
						Z	62	0.000
		TOTAL	down	216	0.000	X	213	0.132
			left	301	0.000	Y	216	0.000
						Z	213	0.132
A40	1	GR	down	62	0.000	X	0	0.000
A40	1		left	0	0.000	Y	-62	0.000
Stiff	:RIGID					Z	0	0.000
		T1	down	0	0.000	X	292	-0.129
			right	413	0.000	Y	0	0.000
						Z	-292	-0.129
		P1	down	0	0.000	X	5	-0.002
			right	7	0.000	Y	0	0.000
						Z	-5	-0.002
		SUM	down	62	0.000	X	297	-0.131
			right	420	0.000	Y	-62	0.000
						Z	-297	-0.131
		RESP	down	42	0.000	X	0	0.000
			left	0	0.000	Y	42	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL		
				Force	Deform	Dirn	Force	Deform
						Z	0	0.000
		TOTAL	down	104	0.000	X	297	0.131
			left	420	0.000	Y	104	0.000
						Z	297	0.131
A41	1	GR	down	464	0.000	X	0	0.000
A41	1		right	0	0.000	Y	-464	0.000
Stiff	:RIGID					Z	0	0.000
		T1	down	0	0.000	X	-660	-0.370
			left	934	0.000	Y	0	0.000
						Z	660	-0.148
		P1	down	0	0.000	X	-10	-0.003
			left	14	0.000	Y	0	0.000
						Z	10	-0.003
		SUM	down	464	0.000	X	-670	-0.373
			left	948	0.000	Y	-464	0.000
						Z	670	-0.151
		RESP	down	68	0.000	X	0	0.000
			left	0	0.000	Y	68	0.000
						Z	0	0.000
		TOTAL	down	532	0.000	X	670	0.373
			left	948	0.000	Y	532	0.000
						Z	670	0.151
A45	1	GR	down	450	0.000	X	0	0.000
A45	1		left	0	0.000	Y	-450	0.000
Stiff	:RIGID					Z	0	0.000
		T1	down	0	0.000	X	-807	-0.151
			left	807	0.000	Y	0	0.000
						Z	807	0.801
		P1	down	0	0.000	X	-12	0.000
			left	12	0.000	Y	0	0.000
						Z	0	0.010
		SUM	down	450	0.000	X	-819	-0.151
			left	819	0.000	Y	-450	0.000
						Z	0	0.811
		RESP	down	56	0.000	X	0	0.000
			left	0	0.000	Y	56	0.000
						Z	0	0.000

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SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform	Dirn	Force	Deform	
		TOTAL	down left	507 819	0.000 0.000	X Y Z	819 507	0.151 0.000 0.811	
A46 A46 1 Stiff	Guide :RIGID	GR	down left	129	0.000 0.000	X Y Z	-129	0.000 0.000 0.000	
		T1	down right	336	0.000 0.000	X Y Z	336	-0.112 0.000 0.595	
		P1	down right	5	0.000 0.000	X Y Z	5	0.000 0.000 0.008	
		SUM	down right	129 341	0.000 0.000	X Y Z	341 -129	-0.112 0.000 0.603	
		RESP	down left	31	0.000 0.000	X Y Z	31	0.000 0.000 0.000	
		TOTAL	down left	160 341	0.000 0.000	X Y Z	341 160	0.112 0.000 0.603	
A47 A47 1 Stiff	Guide :RIGID	GR	down left	262	0.000 0.000	X Y Z	-262	0.000 0.000 0.000	
		T1	down left	74	0.000 0.000	X Y Z	-74	-0.073 0.000 0.389	
		P1	down left	1	0.000 0.000	X Y Z	-1	0.000 0.000 0.005	
		SUM	down left	262 75	0.000 0.000	X Y Z	-75 -262	-0.073 0.000 0.394	
		RESP	down left	8	0.000 0.000	X Y Z	8	0.000 0.000 0.000	
		TOTAL	down	271	0.000	X	75	0.073	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform	Dirn	Force	Deform	
		TOTAL	left	75	0.000	Y Z	271	0.000 0.394	
A48 A48 1 Stiff	Guide :RIGID	GR	down left	214	0.000 0.000	X Y Z	-214	0.000 0.000 0.000	
		T1	down right	1	0.000 0.000	X Y Z	1	0.000 0.000 0.195	
		P1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 0.003	
		SUM	down right	214 2	0.000 0.000	X Y Z	2 -214	0.000 0.000 0.197	
		RESP	down left	3	0.000 0.000	X Y Z	3	0.000 0.000 0.000	
		TOTAL	down left	217 2	0.000 0.000	X Y Z	2 217	0.000 0.000 0.197	
A50 A50 1 Stiff	Guide :RIGID	GR	down left	225	0.000 0.000	X Y Z	-225	0.000 0.000 0.000	
		T1	down right	3	0.000 0.000	X Y Z	3	0.000 0.000 -0.196	
		P1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.003	
		SUM	down right	225 4	0.000 0.000	X Y Z	4 -225	0.000 0.000 -0.198	
		RESP	down left	2	0.000 0.000	X Y Z	2	0.000 0.000 0.000	
		TOTAL	down left	225 5	0.000 0.000	X Y	5 225	0.000 0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL			
			Dirn	Force	Deform	Dirn	Force	Deform	
A51 A51 1 Stiff	Guide :RIGID	GR	down	225	0.000	X	0.000	0.198	
			left		0.000	Y	-225	0.000	
						Z		0.000	
		T1	down	12	0.000	X	-12	0.000	
			left		0.000	Y		0.000	
						Z		-0.392	
		P1	down	0	0.000	X	0	0.000	
			left		0.000	Y		0.000	
						Z		-0.005	
		SUM	down	225	0.000	X	-12	0.000	
			left	12	0.000	Y	-225	0.000	
						Z		-0.397	
		RESP	down	6	0.000	X	6	0.000	
			left		0.000	Y		0.000	
						Z		0.000	
		TOTAL	down	225	0.000	X	19	0.000	
			left	19	0.000	Y	225	0.000	
						Z		0.397	
		A52 A52 1 Stiff	Guide :RIGID	GR	down	227	0.000	X	0.000
					left		0.000	Y	-227
						Z		0.000	
T1	down			46	0.000	X	46	0.000	
	right				0.000	Y		0.000	
						Z		-0.588	
P1	down			1	0.000	X	1	0.000	
	right				0.000	Y		0.000	
						Z		-0.008	
SUM	down			227	0.000	X	46	0.000	
	right			46	0.000	Y	-227	0.000	
						Z		-0.595	
RESP	down			23	0.000	X	23	0.000	
	left				0.000	Y		0.000	
						Z		0.000	
TOTAL	down			227	0.000	X	69	0.000	
	left			69	0.000	Y	227	0.000	
						Z		0.595	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL			
			Dirn	Force	Deform	Dirn	Force	Deform	
A53 A53 1 Stiff	Guide :RIGID	GR	down	220	0.000	X	0.000		
			left		0.000	Y	-220	0.000	
						Z		0.000	
		T1	down	172	0.000	X	-172	0.000	
			left		0.000	Y		0.000	
						Z		-0.784	
		P1	down	2	0.000	X	-2	0.000	
			left		0.000	Y		0.000	
						Z		-0.010	
		SUM	down	220	0.000	X	-174	0.000	
			left	174	0.000	Y	-220	0.000	
						Z		-0.794	
		RESP	down	87	0.000	X	87	0.000	
			left		0.000	Y		0.000	
						Z		0.000	
		TOTAL	down	220	0.000	X	261	0.000	
			left	261	0.000	Y	220	0.000	
						Z		0.794	
		A54	Guide :RIGID	GR	down	244	0.000	X	0.000
					left		0.000	Y	-244
						Z		0.000	
T1	down			465	0.000	X	465	0.000	
	right				0.000	Y		0.000	
						Z		-0.980	
P1	down			6	0.000	X	6	0.000	
	right				0.000	Y		0.000	
						Z		-0.013	
SUM	down			244	0.000	X	471	0.000	
	right			471	0.000	Y	-244	0.000	
						Z		-0.992	
RESP	down			147	0.000	X	147	0.000	
	left				0.000	Y		0.000	
						Z		0.000	
TOTAL	down			244	0.000	X	618	0.000	
	left			618	0.000	Y	244	0.000	
						Z		0.992	
A54	GR			back	176	0.000	X	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL			
			Dirn	Force	Dirn	Force	Deform	
A54 1 Stiff	Inclined :RIGID				Y	-176	0.000	
				Z			0.000	
		T1	back	0.000	X	0.495		
					Y	0.000		
					Z	-1.183		
		P1	back	0.000	X	0.007		
					Y	0.000		
					Z	-0.015		
		SUM	back	176 0.000	X	0.502		
					Y	-176 0.000		
					Z	-1.199		
		RESP	back	0.000	X	0.536		
					Y	0.000		
					Z	0.000		
		TOTAL	back	176 0.000	X	1.038		
			Y	0.000				
			Z	176 1.199				
A56 A56 1 Stiff	Inclined :RIGID	GR	back	106 0.000	X	0.000		
					Y	-106 0.000		
					Z	0.000		
		T1	back	0.000	X	0.024		
					Y	0.000		
					Z	-0.623		
		P1	back	0.000	X	0.000		
					Y	0.000		
					Z	-0.008		
		SUM	back	106 0.000	X	0.024		
					Y	-106 0.000		
					Z	-0.631		
		RESP	back	0.000	X	0.661		
					Y	0.000		
					Z	0.095		
TOTAL	back	106 0.000	X	0.685				
			Y	106 0.000				
			Z	0.726				
156	1	Inclined	GR	back	105 0.000	X	0.000	
156			Y	-105 0.000				

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL		
				Force	Deform	Dirn	Force	Deform
A58 A58 1 Stiff	Inclined :RIGID					Z		0.000
		T1	back	0.000	X	-0.089		
					Y	0.000		
					Z	1.085		
		P1	back	0.000	X	-0.001		
					Y	0.000		
					Z	0.014		
		SUM	back	105 0.000	X	-0.090		
					Y	0.000		
					Z	-105 1.099		
		RESP	back	0.000	X	0.661		
					Y	0.000		
					Z	0.094		
		TOTAL	back	105 0.000	X	0.752		
					Y	105 0.000		
			Z	1.193				
A59 A59 1 Stiff	Guide :RIGID	GR	back	178 0.000	X	0.000		
					Y	-178 0.000		
					Z	0.000		
		T1	back	0.000	X	-0.554		
					Y	0.000		
					Z	1.640		
		P1	back	0.000	X	-0.007		
					Y	0.000		
					Z	0.021		
		SUM	back	178 0.000	X	-0.561		
					Y	0.000		
					Z	-178 1.662		
		RESP	back	0.000	X	0.538		
					Y	0.000		
					Z	0.000		
TOTAL	back	178 0.000	X	1.099				
			Y	178 0.000				
			Z	1.662				
159	1	Guide	GR	down	250 0.000	X	0.000	
159			left	0.000	Y	-250 0.000		
			Z	0.000				

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
		T1	down left	463	0.000 0.000	X Y Z	-463 0.000 1.434	0.000 0.000 0.000
		P1	down left	6	0.000 0.000	X Y Z	-6 0.000 0.019	0.000 0.000 0.000
		SUM	down left	250 469	0.000 0.000	X Y Z	-469 -250 1.452	0.000 0.000 0.000
		RESP	down left	138	0.000 0.000	X Y Z	138 0.000 0.000	0.000 0.000 0.000
		TOTAL	down left	250 607	0.000 0.000	X Y Z	607 250 1.453	0.000 0.000 0.000
A60 A60 Stiff	1 Guide :RIGID	GR	down left	231	0.000 0.000	X Y Z	0.000 -231 0.000	0.000 0.000 0.000
		T1	down right	168	0.000 0.000	X Y Z	168 0.000 1.229	0.000 0.000 0.000
		P1	down right	2	0.000 0.000	X Y Z	2 0.000 0.016	0.000 0.000 0.000
		SUM	down right	231 171	0.000 0.000	X Y Z	171 -231 1.245	0.000 0.000 0.000
		RESP	down left	80	0.000 0.000	X Y Z	80 0.000 0.000	0.000 0.000 0.000
		TOTAL	down left	231 250	0.000 0.000	X Y Z	250 231 1.245	0.000 0.000 0.000
A61 A61 Stiff	1 Guide :RIGID	GR	down left	237	0.000 0.000	X Y Z	0.000 -237 0.000	0.000 0.000 0.000
		T1	down		0.000	X	-45	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	45	0.000	Y Z	0.000 1.024	0.000 0.000
		P1	down left	1	0.000 0.000	X Y Z	-1 0.000 0.013	0.000 0.000 0.000
		SUM	down left	237 46	0.000 0.000	X Y Z	-46 -237 1.037	0.000 0.000 0.000
		RESP	down left	21	0.000 0.000	X Y Z	21 0.000 0.000	0.000 0.000 0.000
		TOTAL	down left	237 67	0.000 0.000	X Y Z	67 237 1.038	0.000 0.000 0.000
A62 A62 Stiff	1 Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z	0.000 -235 0.000	0.000 0.000 0.000
		T1	down right	12	0.000 0.000	X Y Z	12 0.000 0.819	0.000 0.000 0.000
		P1	down right	0	0.000 0.000	X Y Z	0 0.000 0.011	0.000 0.000 0.000
		SUM	down right	235 12	0.000 0.000	X Y Z	12 -235 0.830	0.000 0.000 0.000
		RESP	down left	6	0.000 0.000	X Y Z	6 0.000 0.000	0.000 0.000 0.000
		TOTAL	down left	235 18	0.000 0.000	X Y Z	18 235 0.830	0.000 0.000 0.000
A63 A63 Stiff	1 Guide :RIGID	GR	down left	236	0.000 0.000	X Y Z	0.000 -236 0.000	0.000 0.000 0.000
		T1	down left	3	0.000 0.000	X Y	-3	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL			
			Dirn	Force	Deform	Dirn	Force	Deform
						Z	0.614	
	P1	down left		0	0.000	X	0	0.000
					0.000	Y		0.000
					0.008	Z		0.008
	SUM	down left	236	0.000	3	X	-3	0.000
					0.000	Y	-236	0.000
					0.622	Z		0.622
	RESP	down left	2	0.000	2	X	2	0.000
					0.000	Y		0.000
					0.000	Z		0.000
	TOTAL	down left	236	0.000	5	X	5	0.000
			5	0.000	236	Y	236	0.000
					0.623	Z		0.623
A64	GR	down left	235	0.000	0.000	X		0.000
A64					0.000	Y	-235	0.000
Stiff					0.000	Z		0.000
	T1	down right	1	0.000	1	X	1	0.000
					0.000	Y		0.000
					0.410	Z		0.410
	P1	down right	0	0.000	0	X	0	0.000
					0.000	Y		0.000
					0.005	Z		0.005
	SUM	down right	235	0.000	1	X	1	0.000
			1	0.000	-235	Y	-235	0.000
					0.415	Z		0.415
	RESP	down left	0	0.000	0	X	0	0.000
					0.000	Y		0.000
					0.000	Z		0.000
	TOTAL	down left	235	0.000	1	X	1	0.000
			1	0.000	235	Y	235	0.000
					0.415	Z		0.415
A65	GR	down left	235	0.000	0.000	X		0.000
A65					0.000	Y	-235	0.000
Stiff					0.000	Z		0.000
	T1	down left	0	0.000	0	X	0	0.000
					0.000	Y		0.000
					0.205	Z		0.205

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL			
			Dirn	Force	Deform	Dirn	Force	Deform
						X	0	0.000
						Y		0.000
						Z		0.003
	P1	down left				X	0	0.000
						Y		0.000
						Z		0.003
	SUM	down left	235	0.000	0	X	0	0.000
						Y	-235	0.000
						Z		0.207
	RESP	down left		0.000	0	X	0	0.000
						Y		0.000
						Z		0.000
	TOTAL	down left	235	0.000	0	X	0	0.000
						Y	235	0.000
						Z		0.208
A67	GR	down left	235	0.000	0.000	X		0.000
A67					0.000	Y	-235	0.000
Stiff					0.000	Z		0.000
	T1	down right	0	0.000	0	X	0	0.000
						Y		0.000
						Z		-0.205
	P1	down right	0	0.000	0	X	0	0.000
						Y		0.000
						Z		-0.003
	SUM	down right	235	0.000	0	X	0	0.000
						Y	-235	0.000
						Z		-0.207
	RESP	down left	0	0.000	0	X	0	0.000
						Y		0.000
						Z		0.000
	TOTAL	down left	235	0.000	0	X	0	0.000
						Y	235	0.000
						Z		0.207
A68	GR	down left	235	0.000	0.000	X		0.000
A68					0.000	Y	-235	0.000
Stiff					0.000	Z		0.000
	T1	up left	0	0.000	1	X	-1	0.000
						Y		0.000
						Z		-0.409
	P1	up	0	0.000	0	X	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	0	0.000	Y	0	0.000
						Z		-0.005
	SUM	down		235	0.000	X	-1	0.000
		left		1	0.000	Y	-235	0.000
						Z		-0.415
	RESP	down		0	0.000	X	0	0.000
		left		0	0.000	Y	0	0.000
						Z		0.000
	TOTAL	down		235	0.000	X	1	0.000
		left		1	0.000	Y	235	0.000
						Z		0.415
A69	GR	down		236	0.000	X	0	0.000
A69	1	right		0	0.000	Y	-236	0.000
Stiff	:RIGID					Z		0.000
	T1	down		0	0.000	X	4	0.000
		right		4	0.000	Y	0	0.000
						Z		-0.614
	P1	down		0	0.000	X	0	0.000
		right		0	0.000	Y	0	0.000
						Z		-0.008
	SUM	down		236	0.000	X	4	0.000
		right		4	0.000	Y	-236	0.000
						Z		-0.622
	RESP	down		0	0.000	X	2	0.000
		left		2	0.000	Y	0	0.000
						Z		0.000
	TOTAL	down		236	0.000	X	5	0.000
		left		5	0.000	Y	236	0.000
						Z		0.622
A70	GR	down		235	0.000	X	0	0.000
A70	1	left		0	0.000	Y	-235	0.000
Stiff	:RIGID					Z		0.000
	T1	up		0	0.000	X	-13	0.000
		left		13	0.000	Y	0	0.000
						Z		-0.819
	P1	up		0	0.000	X	0	0.000
		left		0	0.000	Y	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		-0.011
	SUM	down		235	0.000	X	-13	0.000
		left		13	0.000	Y	-235	0.000
						Z		-0.829
	RESP	down		0	0.000	X	6	0.000
		left		6	0.000	Y	0	0.000
						Z		0.000
	TOTAL	down		235	0.000	X	19	0.000
		left		19	0.000	Y	235	0.000
						Z		0.829
A71	GR	down		237	0.000	X	0	0.000
A71	1	right		0	0.000	Y	-237	0.000
Stiff	:RIGID					Z		0.000
	T1	down		1	0.000	X	50	0.000
		right		50	0.000	Y	-1	0.000
						Z		-1.023
	P1	down		0	0.000	X	1	0.000
		right		1	0.000	Y	0	0.000
						Z		-0.013
	SUM	down		237	0.000	X	50	0.000
		right		50	0.000	Y	-237	0.000
						Z		-1.037
	RESP	down		0	0.000	X	22	0.000
		left		22	0.000	Y	0	0.000
						Z		0.000
	TOTAL	down		237	0.000	X	72	0.000
		left		72	0.000	Y	237	0.000
						Z		1.037
A72	GR	down		231	0.000	X	0	0.000
A72	1	left		0	0.000	Y	-231	0.000
Stiff	:RIGID					Z		0.000
	T1	up		2	0.000	X	-186	0.000
		left		186	0.000	Y	2	0.000
						Z		-1.228
	P1	up		0	0.000	X	-2	0.000
		left		2	0.000	Y	0	0.000
						Z		-0.016

UNRECORDED

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		SUM	down left	229 189	0.000 0.000	X Y Z	-189 -229	0.000 0.000 -1.244
		RESP	down left	0 82	0.000 0.000	X Y Z	82 0	0.000 0.000 0.000
		TOTAL	down left	229 271	0.000 0.000	X Y Z	271 229	0.000 0.000 1.244
A73 A73 Stiff	1 Guide :RIGID	GR	down right	250 0	0.000 0.000	X Y Z	0 -250	0.000 0.000 0.000
		T1	down right	9 517	0.000 0.000	X Y Z	517 -9	0.000 0.000 -1.433
		P1	down right	0 7	0.000 0.000	X Y Z	7 0	0.000 0.000 -0.019
		SUM	down right	259 524	0.000 0.000	X Y Z	524 -259	0.000 0.000 -1.451
		RESP	down left	0 142	0.000 0.000	X Y Z	142 0	0.000 0.000 0.000
		TOTAL	down left	259 666	0.000 0.000	X Y Z	666 259	0.000 0.000 1.452
A74 A74 Stiff	1 Inclined :RIGID	GR	back	178	0.000	X Y Z	0.000 -178	0.000 0.000 0.000
		T1	back	101	0.000	X Y Z	0.591 0.000 -1.639	0.000 0.000 -1.639
		P1	back	1	0.000	X Y Z	0.008 0.000 -0.021	0.000 0.000 -0.021
		SUM	back	280	0.000	X	0.599	0.599

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		RESP	back	3	0.000	X Y Z	-280	0.000 0.000 -1.661
		TOTAL	back	283	0.000	X Y Z	283	1.152 0.000 1.661
A76 A76 Stiff	1 Inclined :RIGID	GR	back	106	0.000	X Y Z	-106	-0.001 0.000 0.001
		T1	forw	143	0.000	X Y Z	143	0.057 0.000 -0.985
		P1	forw	2	0.000	X Y Z	2	0.001 0.000 -0.013
		SUM	forw	39	0.000	X Y Z	39	0.057 0.000 -0.997
		RESP	back	3	0.000	X Y Z	3	0.680 0.000 0.097
		TOTAL	back	42	0.000	X Y Z	42	0.737 0.000 1.094
A76 A76 Stiff	1 Inclined :RIGID	GR	back	106	0.000	X Y Z	-106	-0.001 0.000 0.001
		T1	back	143	0.000	X Y Z	-143	-0.057 0.000 0.985
		P1	back	2	0.000	X Y Z	-2	-0.001 0.000 0.013
		SUM	back	250	0.000	X Y	-250	-0.058 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		0.999
		RESP	back	3	0.000	X		0.680
						Y	3	0.000
						Z		0.097
		TOTAL	back	253	0.000	X		0.738
						Y	253	0.000
						Z		1.095
A78	1	Inclined	GR	back	178	0.000	X	0.000
A78	1	:RIGID				Y	-178	0.000
						Z		0.000
		T1	forw	101	0.000	X		-0.591
						Y	101	0.000
						Z		1.639
		P1	forw	1	0.000	X		-0.008
						Y	1	0.000
						Z		0.021
		SUM	back	75	0.000	X		-0.598
						Y	-75	0.000
						Z		1.661
		RESP	back	3	0.000	X		0.553
						Y	3	0.000
						Z		0.000
		TOTAL	back	78	0.000	X		1.152
						Y	78	0.000
						Z		1.661
A79	1	Guide	GR	down	250	0.000	X	0
A79	1	:RIGID		rght	0	0.000	Y	-250
						Z		0.000
		T1	up	9	0.000	X		-517
			left	517	0.000	Y	9	0.000
						Z		1.433
		P1	up	0	0.000	X		-7
			left	7	0.000	Y	0	0.000
						Z		0.019
		SUM	down	242	0.000	X		-524
			left	524	0.000	Y	-242	0.000
						Z		1.451

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		RESP	down	0	0.000	X	142	0.000
			left	142	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	242	0.000	X	666	0.000
			left	666	0.000	Y	242	0.000
						Z		1.452
A80	1	Guide	GR	down	231	0.000	X	0
A80	1	:RIGID		left	0	0.000	Y	-231
						Z		0.000
		T1	down	2	0.000	X	186	0.000
			rght	186	0.000	Y	-2	0.000
						Z		1.228
		P1	down	0	0.000	X	2	0.000
			rght	2	0.000	Y	0	0.000
						Z		0.016
		SUM	down	234	0.000	X	188	0.000
			rght	188	0.000	Y	-234	0.000
						Z		1.244
		RESP	down	0	0.000	X	82	0.000
			left	82	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	234	0.000	X	271	0.000
			left	271	0.000	Y	234	0.000
						Z		1.244
A81	1	Guide	GR	down	237	0.000	X	0
A81	1	:RIGID		rght	0	0.000	Y	-237
						Z		0.000
		T1	up	1	0.000	X	-50	0.000
			left	50	0.000	Y	1	0.000
						Z		1.023
		P1	up	0	0.000	X	-1	0.000
			left	1	0.000	Y	0	0.000
						Z		0.013
		SUM	down	236	0.000	X	-50	0.000
			left	50	0.000	Y	-236	0.000
						Z		1.037
		RESP	down	0	0.000	X	22	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	22	0.000	Y	0	0.000
						Z		0.000
	TOTAL		down	236	0.000	X	72	0.000
			left	72	0.000	Y	236	0.000
						Z		1.037
A82	1 Guide Stiff :RIGID	GR	down	235	0.000	X	0	0.000
A82			left	0	0.000	Y	-235	0.000
						Z		0.000
	T1		down	0	0.000	X	13	0.000
			right	13	0.000	Y	0	0.000
						Z		0.819
	P1		down	0	0.000	X	0	0.000
			right	0	0.000	Y	0	0.000
						Z		0.011
	SUM		down	235	0.000	X	13	0.000
			right	13	0.000	Y	-235	0.000
						Z		0.829
	RESP		down	0	0.000	X	6	0.000
			left	6	0.000	Y	0	0.000
						Z		0.000
	TOTAL		down	235	0.000	X	19	0.000
			left	19	0.000	Y	235	0.000
						Z		0.829
A83	1 Guide Stiff :RIGID	GR	down	236	0.000	X	0	0.000
A83			right	0	0.000	Y	-236	0.000
						Z		0.000
	T1		up	0	0.000	X	-4	0.000
			left	4	0.000	Y	0	0.000
						Z		0.614
	P1		up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.008
	SUM		down	235	0.000	X	-4	0.000
			left	4	0.000	Y	-235	0.000
						Z		0.622
	RESP		down	0	0.000	X	2	0.000
			left	2	0.000	Y	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
								0.000
								0.000
	TOTAL		down	235	0.000	X	5	0.000
			left	5	0.000	Y	235	0.000
						Z		0.622
A84	1 Guide Stiff :RIGID	GR	down	235	0.000	X	0	0.000
A84			left	0	0.000	Y	-235	0.000
						Z		0.000
	T1		down	0	0.000	X	1	0.000
			right	1	0.000	Y	0	0.000
						Z		0.409
	P1		down	0	0.000	X	0	0.000
			right	0	0.000	Y	0	0.000
						Z		0.005
	SUM		down	235	0.000	X	1	0.000
			right	1	0.000	Y	-235	0.000
						Z		0.415
	RESP		down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.000
	TOTAL		down	235	0.000	X	1	0.000
			left	1	0.000	Y	235	0.000
						Z		0.415
A85	1 Guide Stiff :RIGID	GR	down	235	0.000	X	0	0.000
A85			left	0	0.000	Y	-235	0.000
						Z		0.000
	T1		up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.205
	P1		down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.003
	SUM		down	235	0.000	X	0	0.000
			left	0	0.000	Y	-235	0.000
						Z		0.207
	RESP		down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L		Dirn	G L O B A L	
				Force	Deform		Force	Deform
		TOTAL	down left	235 0	0.000 0.000	X Y Z	0 235	0.000 0.000 0.207
A87 A87 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z	0 -235	0.000 0.000 0.000
		T1	down left	11	0.000 0.000	X Y Z	-11	0.000 0.000 -0.205
		P1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.003
		SUM	down left	235 11	0.000 0.000	X Y Z	-11 -235	0.000 0.000 -0.208
		RESP	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.000
		TOTAL	down left	235 11	0.000 0.000	X Y Z	11 235	0.000 0.000 0.208
A88 A88 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z	0 -235	0.000 0.000 0.000
		T1	down right	20	0.000 0.000	X Y Z	20	0.000 0.000 -0.411
		P1	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.005
		SUM	down right	235 20	0.000 0.000	X Y Z	20 -235	0.000 0.000 -0.416
		RESP	down left	1	0.000 0.000	X Y Z	1	0.000 0.000 0.000
		TOTAL	down	235	0.000	X	20	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L		Dirn	G L O B A L	
				Force	Deform		Force	Deform
		TOTAL	down left	20	0.000	Y Z	235	0.000 0.416
A89 A89 1 Stiff	Guide :RIGID	GR	down left	236	0.000 0.000	X Y Z	0 -236	0.000 0.000 0.000
		T1	down left	17	0.000 0.000	X Y Z	-17	0.064 0.000 -0.616
		P1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.008
		SUM	down left	236 16	0.000 0.000	X Y Z	-16 -236	0.064 0.000 -0.624
		RESP	down left	2	0.000 0.000	X Y Z	2	0.000 0.000 0.000
		TOTAL	down left	236 19	0.000 0.000	X Y Z	19 236	0.064 0.000 0.624
A90 A90 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z	0 -235	0.000 0.000 0.000
		T1	down right	2	0.000 0.000	X Y Z	2	0.086 0.000 -0.821
		P1	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.011
		SUM	down right	235 2	0.000 0.000	X Y Z	2 -235	0.086 0.000 -0.832
		RESP	down left	9	0.000 0.000	X Y Z	9	0.000 0.000 0.001
		TOTAL	down left	235 11	0.000 0.000	X Y	11 235	0.086 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A91 A91 1 Stiff	Guide :RIGID	GR	down left	237	0.000	X	0.000	0.833
				0.000	Y	-237	0.000	
				0.000	Z	0.000		
	T1	down right	19	0.000	X	19	0.107	
			0.000	Y	0.000	0.000		
			0.000	Z	-1.027			
	P1	down right	0	0.000	X	0	0.000	
			0.000	Y	0.000	0.000		
			0.000	Z	-0.013			
	SUM	down right	237	0.000	X	20	0.107	
			20	0.000	Y	-237	0.000	
			0.000	Z	-1.040			
RESP	down left	34	0.000	X	34	0.000		
		0.000	Y	0.000	0.000			
		0.000	Z	0.001				
TOTAL	down left	237	0.000	X	53	0.107		
		53	0.000	Y	237	0.000		
		0.000	Z	1.041				
A92 A92 1 Stiff	Guide :RIGID	GR	down left	230	0.000	X	0.000	
				0.000	Y	-230	0.000	
				0.000	Z	0.000		
	T1	down left	78	0.000	X	-78	0.129	
			0.000	Y	0.000	0.000		
			0.000	Z	-1.232			
	P1	down left	1	0.000	X	-1	0.000	
			0.000	Y	0.000	0.000		
			0.000	Z	-0.016			
	SUM	down left	230	0.000	X	-80	0.129	
			80	0.000	Y	-230	0.000	
			0.000	Z	-1.248			
RESP	down left	127	0.000	X	127	0.000		
		0.000	Y	0.000	0.000			
		0.000	Z	0.001				
TOTAL	down left	230	0.000	X	207	0.129		
		207	0.000	Y	230	0.000		
		0.000	Z	1.249				

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A93 A93 1 Stiff	Guide :RIGID	GR	down left	255	0.000	X	0.000	
				0.000	Y	-255	0.000	
				0.000	Z	0.000		
	T1	down right	225	0.000	X	225	0.150	
			0.000	Y	0.000	0.000		
			0.000	Z	-1.437			
	P1	down right	4	0.000	X	4	0.000	
			0.000	Y	0.000	0.000		
			0.000	Z	-0.019			
	SUM	down right	255	0.000	X	229	0.150	
			229	0.000	Y	-255	0.000	
			0.000	Z	-1.456			
RESP	down left	230	0.000	X	230	0.000		
		0.000	Y	0.000	0.000			
		0.000	Z	0.001				
TOTAL	down left	255	0.000	X	459	0.150		
		459	0.000	Y	255	0.000		
		0.000	Z	1.457				
A94 A94 1 Stiff	Inclined :RIGID	GR	back	168	0.000	X	0.000	
				0.000	Y	-168	0.000	
				0.000	Z	0.000		
	T1	back	0.000	0.000	X	0.400		
			0.000	Y	0.000	0.000		
			0.000	Z	-1.644			
	P1	back	0.000	0.000	X	0.006		
			0.000	Y	0.000	0.000		
			0.000	Z	-0.021			
	SUM	back	168	0.000	X	0.406		
			0.000	Y	-168	0.000		
			0.000	Z	-1.666			
RESP	back	0.000	0.000	X	0.818			
		0.000	Y	0.000	0.000			
		0.000	Z	0.001				
TOTAL	back	168	0.000	X	1.223			
		0.000	Y	168	0.000			
		0.000	Z	1.667				
A96	GR	back	130	0.000	X	0.000		

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A96 1 Stiff	Inclined :RIGID					Y	-130	0.000
						Z		0.000
	T1	back		0.000		X	0.124	0.000
						Y	0.000	0.000
						Z	-1.381	
	P1	back		0.000		X	0.002	0.000
						Y	0.000	0.000
						Z	-0.018	
	SUM	back	130	0.000		X	0.126	0.000
						Y	-130	0.000
						Z	-1.399	
	RESP	back		0.000		X	0.970	0.000
						Y	0.000	0.000
						Z	0.097	
	TOTAL	back	130	0.000		X	1.096	0.000
						Y	130	0.000
						Z	1.496	
A97 A97 1 Stiff	Guide :RIGID					X	0.000	0.000
						Y	-221	0.000
						Z	0.000	0.000
	T1	down right		0.000 0.000		X	-0.049	0.000
			597			Y	0.000	0.000
						Z	-0.133	
	P1	down right		0.000 0.000		X	-0.001	0.000
			10			Y	0.000	0.000
						Z	-10	0.000
	SUM	down right	221 608	0.000 0.000		X	-0.050	0.000
						Y	-221	0.000
						Z	-608	-0.133
	RESP	down left		0.000 0.000		X	0.971	0.000
			85			Y	0.000	0.000
						Z	85	0.000
	TOTAL	down left	221 693	0.000 0.000		X	1.020	0.000
						Y	221	0.000
						Z	693	0.133
A98 A98 1	Guide					X	0.000	0.000
						Y	-220	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
Stiff	:RIGID					Z		0.000
						X		-0.232
						Y		0.000
						Z	556	0.116
	T1	down left		0.000 0.000		X	0.000	0.000
			556			Y		-0.003
						Z	10	0.000
	P1	down left		0.000 0.000		X	0.000	0.000
			10			Y		-0.003
						Z	10	0.000
	SUM	down left	220 565	0.000 0.000		X	0.000	-0.235
						Y	-220	0.000
						Z	565	0.116
	RESP	down left		0.000 0.000		X	0.971	0.000
			95			Y	0.000	0.000
						Z	95	0.000
	TOTAL	down left	220 660	0.000 0.000		X	1.205	0.000
						Y	220	0.000
						Z	660	0.116
A99 A99 1 Stiff	Inclined :RIGID					X	0.000	0.000
						Y	-132	0.000
						Z	0.000	0.000
	T1	back		0.000		X	-0.405	0.000
						Y	0.000	0.000
						Z	1.009	
	P1	back		0.000		X	-0.005	0.000
						Y	0.000	0.000
						Z	0.013	
	SUM	back	132	0.000		X	-0.411	0.000
						Y	-132	0.000
						Z	1.022	
	RESP	back		0.000		X	0.970	0.000
						Y	0.000	0.000
						Z	0.102	
	TOTAL	back	132	0.000		X	1.381	0.000
						Y	132	0.000
						Z	1.124	
A101 A101 1 Stiff	Inclined :RIGID					X	0.000	0.000
						Y	-164	0.000
						Z	0.000	0.000
	GR	back		0.000		X	0.000	0.000
			164			Y	-164	0.000
						Z	0.000	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		T1	back		0.000	X		-0.565
						Y		0.000
						Z		1.144
		P1	back		0.000	X		-0.007
						Y		0.000
						Z		0.015
		SUM	back	164	0.000	X		-0.572
						Y	-164	0.000
						Z		1.159
		RESP	back		0.000	X		0.810
						Y		0.000
						Z		0.001
		TOTAL	back	164	0.000	X		1.382
						Y	164	0.000
						Z		1.160
A102 A102 1 Stiff	Guide :RIGID	GR	down left	241	0.000 0.000	X Y Z		0.000 0.000 0.000
		T1	down left	244	0.000 0.000	X Y Z	-244	-0.140 0.000 0.944
		P1	down left	4	0.000 0.000	X Y Z	-4	0.000 0.000 0.012
		SUM	down left	241 248	0.000 0.000	X Y Z	-248 -241	-0.140 0.000 0.956
		RESP	down left	259	0.000 0.000	X Y Z	259	0.000 0.000 0.001
		TOTAL	down left	241 508	0.000 0.000	X Y Z	508 241	0.140 0.000 0.957
A103 A103 1 Stiff	Guide :RIGID	GR	down left	209	0.000 0.000	X Y Z		0.000 0.000 0.000
		T1	down		0.000	X	93	-0.112

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	93	0.000	Y		0.000
						Z		0.755
		P1	down right		0.000 2.000	X Y Z	2	0.000 0.000 0.010
		SUM	down right	209 95	0.000 0.000	X Y Z	95 -209	-0.112 0.000 0.765
		RESP	down left	149	0.000 0.000	X Y Z	149	0.000 0.000 0.001
		TOTAL	down left	209 243	0.000 0.000	X Y Z	243 209	0.112 0.000 0.765
A104 A104 1 Stiff	Guide :RIGID	GR	down left	218	0.000 0.000	X Y Z		0.000 0.000 0.000
		T1	down right	3	0.000 0.000	X Y Z	3	-0.084 0.000 0.566
		P1	down left	1	0.000 0.000	X Y Z	-1	0.000 0.000 0.007
		SUM	down right	218 2	0.000 0.000	X Y Z	2 -218	-0.084 0.000 0.574
		RESP	down left	40	0.000 0.000	X Y Z	40	0.000 0.000 0.000
		TOTAL	down left	218 42	0.000 0.000	X Y Z	42 218	0.084 0.000 0.574
A105 A105 1 Stiff	Guide :RIGID	GR	down left	216	0.000 0.000	X Y Z		0.000 0.000 0.000
		T1	down left	27	0.000 0.000	X Y	-27	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		0.378
		P1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 0.005
		SUM	down left	216 26	0.000 0.000	X Y Z	-26 -216	0.000 0.000 0.382
		RESP	down left	11	0.000 0.000	X Y Z	11	0.000 0.000 0.000
		TOTAL	down left	216 37	0.000 0.000	X Y Z	37 216	0.000 0.000 0.383
A106 A106 1 Stiff	Guide :RIGID	GR	down left	217	0.000 0.000	X Y Z	-217	0.000 0.000 0.000
		T1	down right	17	0.000 0.000	X Y Z	17	0.000 0.000 0.189
		P1	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.002
		SUM	down right	217 17	0.000 0.000	X Y Z	17 -217	0.000 0.000 0.191
		RESP	down left	3	0.000 0.000	X Y Z	3	0.000 0.000 0.000
		TOTAL	down left	217 20	0.000 0.000	X Y Z	20 217	0.000 0.000 0.191
A108 A108 1 Stiff	Guide :RIGID	GR	down left	214 0	0.000 0.000	X Y Z	0 -214	0.000 0.000 0.000
		T1	up right	9 1	0.000 0.000	X Y Z	1 9	0.000 0.000 -0.189

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		P1	up right	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.002
		SUM	down right	205 1	0.000 0.000	X Y Z	1 -205	0.000 0.000 -0.191
		RESP	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.000
		TOTAL	down left	205 2	0.000 0.000	X Y Z	2 205	0.000 0.000 0.191
A109 A109 1 Stiff	Guide :RIGID	GR	down right	225 0	0.000 0.000	X Y Z	0 -225	0.000 0.000 0.000
		T1	down left	32 5	0.000 0.000	X Y Z	-5 -32	0.000 0.000 -0.377
		P1	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.005
		SUM	down left	258 5	0.000 0.000	X Y Z	-5 -258	0.000 0.000 -0.382
		RESP	down left	0	0.000 0.000	X Y Z	2 0	0.000 0.000 0.000
		TOTAL	down left	258 7	0.000 0.000	X Y Z	7 258	0.000 0.000 0.382
A110 A110 1 Stiff	Guide :RIGID	GR	down right	150 0	0.000 0.000	X Y Z	0 -150	0.000 0.000 0.000
		T1	up right	135 64	0.000 0.000	X Y Z	64 135	0.000 0.000 -0.566
		P1	up	2	0.000	X	0	0.000

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SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	0	0.000	Y	2	0.000 -0.007
		SUM	down right	12 64	0.000 0.000	X Y Z	64 -12 -0.573	0.000 0.000 0.000
		RESP	down left	0 24	0.000 0.000	X Y Z	24 0 0.000	0.000 0.000 0.000
		TOTAL	down left	13 89	0.000 0.000	X Y Z	89 13 0.573	0.000 0.000 0.000
A112 A112 1 Stiff	Guide :RIGID	GR	down left	124 0	0.000 0.000	X Y Z	0 -124 -8	0.000 0.000 0.000
		T1	down left	163 108	0.000 0.000	X Y Z	-108 -163 -11	0.000 0.042 -0.635
		P1	down left	2 1	0.000 0.000	X Y Z	-1 -2 0	0.000 0.001 -0.008
		SUM	down left	289 109	0.000 0.000	X Y Z	-109 -289 -19	0.000 0.042 -0.643
		RESP	down left	0 54	0.000 0.000	X Y Z	54 0 0.000	0.000 0.000 0.000
		TOTAL	down left	289 163	0.000 0.000	X Y Z	163 289 19	0.000 0.042 0.643
A112 A112 1 Stiff	Guide :RIGID	GR	down right	198 0	0.000 0.000	X Y Z	0 -198 -13	0.000 0.000 0.000
		T1	up right	58 133	0.000 0.000	X Y Z	133 58 4	-0.064 0.053 -0.804
		P1	up right	1 1	0.000 0.000	X Y	1 1	0.000 0.001

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
								Z 0 -0.010
		SUM	down right	139 135	0.000 0.000	X Y Z	135 -139 -9	-0.064 0.053 -0.814
		RESP	down left	1 138	0.000 0.000	X Y Z	138 1 0	0.000 0.000 0.000
		TOTAL	down left	140 273	0.000 0.000	X Y Z	273 140 9	0.064 0.053 0.814
A113 A113 1 Stiff	Guide :RIGID	GR	down left	213 0	0.000 0.000	X Y Z	0 -212 -14	0.000 0.000 0.000
		T1	down left	42 303	0.000 0.000	X Y Z	-303 -42 -3	-0.077 0.064 -0.973
		P1	down left	1 4	0.000 0.000	X Y Z	-4 -1 0	0.000 0.001 -0.013
		SUM	down left	255 308	0.000 0.000	X Y Z	-308 -255 -17	-0.077 0.065 -0.986
		RESP	down left	3 219	0.000 0.000	X Y Z	219 3 0	0.000 0.000 0.000
		TOTAL	down left	258 527	0.000 0.000	X Y Z	527 258 17	0.077 0.065 0.986
A113 A113 1 Stiff	Inclined :RIGID	GR	back	116	0.000	X Y Z	0 -116 0	0.001 0.000 0.000
		T1	forw	27	0.000	X Y Z	27 0 0	-0.183 0.000 -1.148
		P1	forw	0	0.000	X Y Z	0 0 0	-0.002 0.000 -0.015

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L		Dirn	G L O B A L	
				Force	Deform		Force	Deform
A115 A115 1 Stiff	Inclined :RIGID	SUM	back	89	0.000	X	-0.184	0.000
						Y	-89	0.000
						Z		-1.163
		RESP	back	9	0.000	X	0.537	0.000
					Y	9	0.000	
					Z		0.000	
		TOTAL	back	99	0.000	X	0.721	0.000
					Y	99	0.000	
					Z		1.163	
		GR	back	189	0.000	X	0.001	0.000
					Y	-189	0.000	
					Z		0.001	
		T1	back	3	0.000	X	0.146	0.000
					Y	-3	0.000	
					Z		-0.806	
	P1	back	0	0.000	X	0.002	0.000	
				Y	0	0.000		
				Z		-0.011		
	SUM	back	192	0.000	X	0.150	0.000	
				Y	-192	0.000		
				Z		-0.816		
	RESP	back	6	0.000	X	0.712	0.000	
				Y	6	0.000		
				Z		0.142		
	TOTAL	back	198	0.000	X	0.862	0.000	
				Y	198	0.000		
				Z		0.958		
A116 A116 1 Stiff	Inclined :RIGID	GR	back	165	0.000	X	0.001	0.000
						Y	-165	0.000
						Z		0.000
		T1	forw	23	0.000	X	0.337	0.000
					Y	23	0.000	
					Z		1.197	
		P1	forw	0	0.000	X	0.005	0.000
				Y	0	0.000		
				Z		0.016		
	SUM	back	141	0.000	X	0.342		

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L		Dirn	G L O B A L	
				Force	Deform		Force	Deform
A118 A118 1 Stiff	Inclined :RIGID	SUM	back	3	0.000	X	-141	0.000
						Y		1.213
						Z		0.712
		RESP	back	3	0.000	X	0.712	0.000
					Y	3	0.000	
					Z		0.126	
		TOTAL	back	144	0.000	X	1.055	0.000
					Y	144	0.000	
					Z		1.339	
		GR	back	154	0.000	X	0.001	0.000
					Y	-154	0.000	
					Z		0.000	
		T1	back	11	0.000	X	0.606	0.000
					Y	-11	0.000	
					Z		1.490	
	P1	back	0	0.000	X	0.008	0.000	
				Y	0	0.000		
				Z		0.019		
	SUM	back	165	0.000	X	0.615	0.000	
				Y	-165	0.000		
				Z		1.509		
	RESP	back	1	0.000	X	0.564	0.000	
				Y	1	0.000		
				Z		0.000		
	TOTAL	back	167	0.000	X	1.179	0.000	
				Y	167	0.000		
				Z		1.510		
A119 A119 1 Stiff	Guide :RIGID	GR	down right	265 0	0.000 0.000	X Y	0 -265	0.000 0.000
						Z		0.000
			T1	up right	1 320	0.000 0.000	X Y Z	320 1 1.278
		P1	up right	0 4	0.000 0.000	X Y Z	4 0 0.017	0.000 0.000 0.017
		SUM	down right	264 324	0.000 0.000	X Y	324 -264	0.078 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		1.295
		RESP	down	0	0.000	X	122	0.000
			left	122	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	264	0.000	X	446	0.078
			left	446	0.000	Y	264	0.000
						Z		1.295
A120		GR	down	239	0.000	X	0	0.000
A120 1	Guide		left	0	0.000	Y	-239	0.000
Stiff	:RIGID					Z		0.000
		T1	down	0	0.000	X	-138	0.065
			left	138	0.000	Y	0	0.000
						Z		1.065
		P1	down	0	0.000	X	-2	0.000
			left	2	0.000	Y	0	0.000
						Z		0.014
		SUM	down	239	0.000	X	-140	0.065
			left	140	0.000	Y	-239	0.000
						Z		1.079
		RESP	down	0	0.000	X	74	0.000
			left	74	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	239	0.000	X	214	0.065
			left	214	0.000	Y	239	0.000
						Z		1.079
A121		GR	down	246	0.000	X	0	0.000
A121 1	Guide		rght	0	0.000	Y	-246	0.000
Stiff	:RIGID					Z		0.000
		T1	up	0	0.000	X	51	0.000
			rght	51	0.000	Y	0	0.000
						Z		0.852
		P1	up	0	0.000	X	0	0.000
			rght	0	0.000	Y	0	0.000
						Z		0.011
		SUM	down	246	0.000	X	52	0.000
			rght	52	0.000	Y	-246	0.000
						Z		0.863

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		RESP	down	0	0.000	X	20	0.000
			left	20	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	246	0.000	X	71	0.000
			left	71	0.000	Y	246	0.000
						Z		0.864
A122		GR	down	244	0.000	X	0	0.000
A122 1	Guide		left	0	0.000	Y	-244	0.000
Stiff	:RIGID					Z		0.000
		T1	down	0	0.000	X	-18	0.000
			left	18	0.000	Y	0	0.000
						Z		0.639
		P1	down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.008
		SUM	down	244	0.000	X	-19	0.000
			left	19	0.000	Y	-244	0.000
						Z		0.648
		RESP	down	0	0.000	X	5	0.000
			left	5	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	244	0.000	X	24	0.000
			left	24	0.000	Y	244	0.000
						Z		0.648
A123		GR	down	244	0.000	X	0	0.000
A123 1	Guide		rght	0	0.000	Y	-244	0.000
Stiff	:RIGID					Z		0.000
		T1	up	0	0.000	X	5	0.000
			rght	5	0.000	Y	0	0.000
						Z		0.426
		P1	down	0	0.000	X	0	0.000
			rght	0	0.000	Y	0	0.000
						Z		0.006
		SUM	down	244	0.000	X	5	0.000
			rght	5	0.000	Y	-244	0.000
						Z		0.432
		RESP	down	0	0.000	X	1	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	1	0.000	Y	0	0.000
						Z	0	0.000
	TOTAL		down	244	0.000	X	6	0.000
			left	6	0.000	Y	244	0.000
						Z		0.432
A124 A124 1 Stiff	GR	down	244	0.000	X	0	0.000	
		left	0	0.000	Y	-244	0.000	
						Z		0.000
	T1	down	0	0.000	X	-1	0.000	
		left	1	0.000	Y	0	0.000	
						Z		0.213
	P1	down	0	0.000	X	0	0.000	
		left	0	0.000	Y	0	0.000	
						Z		0.003
	SUM	down	244	0.000	X	-1	0.000	
		left	1	0.000	Y	-244	0.000	
						Z		0.216
	RESP	down	0	0.000	X	0	0.000	
		left	0	0.000	Y	0	0.000	
						Z		0.000
	TOTAL	down	244	0.000	X	2	0.000	
		left	2	0.000	Y	244	0.000	
						Z		0.216
A126 A126 1 Stiff	GR	down	244	0.000	X	0	0.000	
		left	0	0.000	Y	-244	0.000	
						Z		0.000
	T1	up	0	0.000	X	0	0.000	
		left	0	0.000	Y	0	0.000	
						Z		-0.213
	P1	up	0	0.000	X	0	0.000	
		left	0	0.000	Y	0	0.000	
						Z		-0.003
	SUM	down	244	0.000	X	0	0.000	
		left	0	0.000	Y	-244	0.000	
						Z		-0.216
	RESP	down	0	0.000	X	0	0.000	
		left	0	0.000	Y	0	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		0.000
	TOTAL		down	244	0.000	X	1	0.000
			left	1	0.000	Y	244	0.000
						Z		0.216
A127 A127 1 Stiff	GR	down	244	0.000	X	0	0.000	
		right	0	0.000	Y	-244	0.000	
						Z		0.000
	T1	down	0	0.000	X	2	0.000	
		right	2	0.000	Y	0	0.000	
						Z		-0.426
	P1	down	0	0.000	X	0	0.000	
		right	0	0.000	Y	0	0.000	
						Z		-0.006
	SUM	down	244	0.000	X	-2	0.000	
		right	2	0.000	Y	-244	0.000	
						Z		-0.431
	RESP	down	0	0.000	X	2	0.000	
		left	2	0.000	Y	0	0.000	
						Z		0.000
	TOTAL	down	244	0.000	X	3	0.000	
		left	3	0.000	Y	244	0.000	
						Z		0.431
A128 A128 1 Stiff	GR	down	244	0.000	X	0	0.000	
		left	0	0.000	Y	-244	0.000	
						Z		0.000
	T1	up	0	0.000	X	-6	0.000	
		left	6	0.000	Y	0	0.000	
						Z		-0.638
	P1	up	0	0.000	X	0	0.000	
		left	0	0.000	Y	0	0.000	
						Z		-0.008
	SUM	down	244	0.000	X	-7	0.000	
		left	7	0.000	Y	-244	0.000	
						Z		-0.647
	RESP	down	0	0.000	X	6	0.000	
		left	6	0.000	Y	0	0.000	
						Z		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		TOTAL	down left	244 13	0.000 0.000	X Y Z	13 244	0.000 0.000 0.647
A129 A129 1 Stiff	Guide :RIGID	GR	down right	245 0	0.000 0.000	X Y Z	0 -245	0.000 0.000 0.000
		T1	down right	0 24	0.000 0.000	X Y Z	24 0	0.000 0.000 -0.851
		P1	down right	0 0	0.000 0.000	X Y Z	0 0	0.000 0.000 -0.011
		SUM	down right	246 24	0.000 0.000	X Y Z	24 -246	0.000 0.000 -0.862
		RESP	down left	0 24	0.000 0.000	X Y Z	24 0	0.000 0.000 0.000
		TOTAL	down left	246 48	0.000 0.000	X Y Z	48 246	0.000 0.000 0.862
A130 A130 1 Stiff	Guide :RIGID	GR	down left	240 0	0.000 0.000	X Y Z	0 -240	0.000 0.000 0.000
		T1	up left	2 108	0.000 0.000	X Y Z	-108 2	0.000 0.000 -1.064
		P1	up left	0 2	0.000 0.000	X Y Z	-2 0	0.000 0.000 -0.014
		SUM	down left	238 110	0.000 0.000	X Y Z	-110 -238	0.000 0.000 -1.078
		RESP	down left	0 89	0.000 0.000	X Y Z	89 0	0.000 0.000 0.000
		TOTAL	down	238	0.000	X	199	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		TOTAL	down left	199	0.000	Y Z	-238	0.000 1.078
A131 A131 1 Stiff	Guide :RIGID	GR	down right	260 0	0.000 0.000	X Y Z	0 -260	0.000 0.000 0.000
		T1	down right	7 349	0.000 0.000	X Y Z	349 -7	0.068 0.000 -1.277
		P1	down right	0 5	0.000 0.000	X Y Z	5 0	0.000 0.000 -0.017
		SUM	down right	267 354	0.000 0.000	X Y Z	354 -267	0.068 0.000 -1.293
		RESP	down left	0 153	0.000 0.000	X Y Z	153 0	0.000 0.000 0.000
		TOTAL	down left	267 508	0.000 0.000	X Y Z	508 267	0.068 0.000 1.293
A132 A132 1 Stiff	Inclined :RIGID	GR	back	171	0.000	X Y Z	-171	0.000 0.000 0.000
		T1	back	70	0.000	X Y Z	-70	0.502 0.000 -1.488
		P1	back	1	0.000	X Y Z	-1	0.007 0.000 -0.019
		SUM	back	241	0.000	X Y Z	-241	0.509 0.000 -1.508
		RESP	back	3	0.000	X Y Z	3	0.662 0.000 0.000
		TOTAL	back	245	0.000	X Y	245	1.170 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A134 A134 1 Stiff	Inclined :RIGID	GR	back	131	0.000	X	-0.001	1.508
						Y	0.000	
						Z	0.001	
		T1	forw	89	0.000	X	0.072	
					Y	0.000	89	
					Z	-0.998		
		P1	forw	1	0.000	X	0.001	
					Y	0.000	1	
					Z	-0.013		
		SUM	back	41	0.000	X	0.072	
					Y	0.000	-41	
					Z	-1.010		
		RESP	back	3	0.000	X	0.817	
					Y	0.000	3	
					Z	0.123		
	TOTAL	back	44	0.000	X	0.889		
				Y	0.000	44		
				Z	1.133			
I134 I134 1 Stiff	Inclined :RIGID	GR	back	130	0.000	X	-0.001	
						Y	0.000	-130
						Z	0.001	
		T1	back	89	0.000	X	-0.074	
					Y	0.000	-89	
					Z	0.998		
		P1	back	1	0.000	X	-0.001	
					Y	0.000	-1	
					Z	0.013		
		SUM	back	220	0.000	X	-0.075	
					Y	0.000	-220	
					Z	1.012		
		RESP	back	3	0.000	X	0.817	
					Y	0.000	3	
					Z	0.123		
	TOTAL	back	224	0.000	X	0.892		
				Y	0.000	224		
				Z	1.135			

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A136 A136 1 Stiff	Inclined :RIGID	GR	back	171	0.000	X	-171	0.000
						Y	0.000	0.000
						Z	0.000	
		T1	forw	70	0.000	X	-0.504	
					Y	0.000	70	
					Z	1.488		
		P1	forw	1	0.000	X	-0.007	
					Y	0.000	1	
					Z	0.019		
		SUM	back	100	0.000	X	-0.510	
					Y	0.000	-100	
					Z	1.508		
		RESP	back	3	0.000	X	0.662	
					Y	0.000	3	
					Z	0.000		
	TOTAL	back	104	0.000	X	1.171		
				Y	0.000	104		
				Z	1.508			
A137 A137 1 Stiff	Guide :RIGID	GR	rght	260	0.000	X	0	0.000
						Y	-260	0.000
						Z	0.000	0.000
		T1	up left	7 349	0.000 0.000	X	-349	-0.068
					Y	0.000	7	
					Z	1.277		
		P1	up left	0 5	0.000 0.000	X	-5	0.000
					Y	0.000	0	
					Z	0.017		
		SUM	down left	253 354	0.000 0.000	X	-354	-0.068
					Y	0.000	-253	
					Z	1.293		
		RESP	down left	0 153	0.000 0.000	X	153	0.000
					Y	0.000	0	
					Z	0.000		
	TOTAL	down left	254 507	0.000 0.000	X	507	0.068	
				Y	0.000	254		
				Z	1.293			
A138	GR	down	240	0.000	X	0	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A138 1 Stiff	Guide :RIGID		left	0	0.000	Y	-240	0.000
					Z			0.000
		T1	down right	2 108	0.000 0.000	X Y	108 -2	0.000 0.000
					Z		1.064	
	P1	down right	0 2	0.000 0.000	X Y	2 0	0.000 0.000	
					Z		0.014	
	SUM	down right	242 110	0.000 0.000	X Y	110 -242	0.000 0.000	
					Z		1.078	
	RESP	down left	0 89	0.000 0.000	X Y	89 0	0.000 0.000	
					Z		0.000	
	TOTAL	down left	242 199	0.000 0.000	X Y	199 242	0.000 0.000	
					Z		1.078	
A139 A139 1 Stiff	Guide :RIGID		down right	245 0	0.000 0.000	X Y	0 -245	0.000 0.000
					Z		0.000	
		T1	up left	0 24	0.000 0.000	X Y	-24 0	0.000 0.000
					Z		0.851	
	P1	up left	0 0	0.000 0.000	X Y	0 0	0.000 0.000	
					Z		0.011	
	SUM	down left	245 24	0.000 0.000	X Y	-24 -245	0.000 0.000	
					Z		0.862	
	RESP	down left	0 24	0.000 0.000	X Y	24 0	0.000 0.000	
					Z		0.000	
	TOTAL	down left	245 48	0.000 0.000	X Y	48 245	0.000 0.000	
					Z		0.862	
A140 A140 1	Guide		down left	244 0	0.000 0.000	X Y	0 -244	0.000 0.000
					Z		0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A141 A141 1 Stiff	Guide :RIGID					Z		0.000
		T1	down right	0 6	0.000 0.000	X Y	6 0	0.000 0.000
						Z		0.638
	P1	down right	0 0	0.000 0.000	X Y	0 0	0.000 0.000	
					Z		0.008	
	SUM	down right	244 7	0.000 0.000	X Y	7 -244	0.000 0.000	
					Z		0.647	
	RESP	down left	0 6	0.000 0.000	X Y	6 0	0.000 0.000	
					Z		0.000	
	TOTAL	down left	244 13	0.000 0.000	X Y	13 244	0.000 0.000	
					Z		0.647	
	A142 A142 1 Stiff	Guide :RIGID		down right	244 0	0.000 0.000	X Y	0 -244
					Z		0.000	
T1			up left	0 2	0.000 0.000	X Y	-2 0	0.000 0.000
					Z		0.426	
P1		up left	0 0	0.000 0.000	X Y	0 0	0.000 0.000	
					Z		0.006	
SUM		down left	244 2	0.000 0.000	X Y	-2 -244	0.000 0.000	
					Z		0.431	
RESP		down left	0 2	0.000 0.000	X Y	2 0	0.000 0.000	
					Z		0.000	
TOTAL		down left	244 3	0.000 0.000	X Y	3 244	0.000 0.000	
					Z		0.431	
A142 A142 1	Guide :RIGID		down left	244 0	0.000 0.000	X Y	0 -244	0.000 0.000
					Z		0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
T1		down right	0	0.000	X	0	0.000	Y
			0	0.000	Y	0	0.000	Z
					Z		0.213	
P1		down right	0	0.000	X	0	0.000	Y
			0	0.000	Y	0	0.000	Z
					Z		0.003	
SUM		down right	244	0.000	X	0	0.000	Y
			0	0.000	Y	-244	0.000	Z
					Z		0.216	
RESP		down left	0	0.000	X	0	0.000	Y
			0	0.000	Y	0	0.000	Z
					Z		0.000	
TOTAL		down left	244	0.000	X	1	0.000	Y
			1	0.000	Y	244	0.000	Z
					Z		0.216	
GR	A144 A145 1 Stiff	Guide :RIGID	244	0.000	X		0.000	Y
				0.000	Y	-244	0.000	Z
					Z		0.000	
T1		down left	0	0.000	X	-13	0.000	Y
			13	0.000	Y		0.000	Z
					Z		-0.213	
P1		down left	0	0.000	X	0	0.000	Y
			0	0.000	Y	0	0.000	Z
					Z		-0.003	
SUM		down left	244	0.000	X	-13	0.000	Y
			13	0.000	Y	-244	0.000	Z
					Z		-0.216	
RESP		down left	0	0.000	X	0	0.000	Y
			0	0.000	Y	0	0.000	Z
					Z		0.000	
TOTAL		down left	244	0.000	X	14	0.000	Y
			14	0.000	Y	244	0.000	Z
					Z		0.216	
GR	A145 Stiff	Guide :RIGID	244	0.000	X		0.000	Y
				0.000	Y	-244	0.000	Z
					Z		0.000	
T1		down	0	0.000	X	25	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL			
			Dirn	Force	Deform	Dirn	Force	Deform	
			right	25	0.000	X	0	0.000	Y
					Z		0.426		
					Z		0.000		
P1		down right	0	0.000	X	0	0.000	Y	
					Z		0.006		
					Z		0.000		
SUM		down right	244	0.000	X	25	0.000	Y	
			25	0.000	Y	-244	0.000	Z	
					Z		-0.432		
RESP		down left	1	0.000	X	1	0.000	Y	
					Z		0.000		
					Z		0.000		
TOTAL		down left	244	0.000	X	26	0.000	Y	
			26	0.000	Y	244	0.000	Z	
					Z		0.432		
GR	A146 A146 1 Stiff	Guide :RIGID	244	0.000	X		0.000	Y	
				0.000	Y	-244	0.000	Z	
					Z		0.000		
T1		down left	30	0.000	X	-30	0.080	Y	
					Z		-0.639		
					Z		0.000		
P1		down left	0	0.000	X	0	0.000	Y	
					Z		0.000		
					Z		-0.008		
SUM		down left	244	0.000	X	-30	0.080	Y	
			30	0.000	Y	-244	0.000	Z	
					Z		-0.648		
RESP		down left	5	0.000	X	5	0.000	Y	
					Z		0.000		
					Z		0.000		
TOTAL		down left	244	0.000	X	35	0.080	Y	
			35	0.000	Y	244	0.000	Z	
					Z		0.648		
GR	A147 Stiff	Guide :RIGID	246	0.000	X		0.000	Y	
				0.000	Y	-246	0.000	Z	
					Z		0.000		
T1		down right	44	0.000	X	44	0.107	Y	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L		G L O B A L	
			Dirn	Force	Dirn	Force
					Z	-0.853
	P1	down right		0.000 1 0.000	X Y Z	1 0.000 0.000 -0.011
	SUM	down right		246 0.000 45 0.000	X Y Z	45 0.107 -246 0.000 -0.864
	RESP	down left		18 0.000 18 0.000	X Y Z	18 0.000 0.000 0.000
	TOTAL	down left		246 0.000 63 0.000	X Y Z	63 0.107 246 0.000 0.864
A148 A148 1 Stiff	GR	down left		239 0.000 0.000	X Y Z	0.000 0.000 -239 0.000
	T1	down left		133 0.000 133 0.000	X Y Z	-133 0.134 0.000 -1.066
	P1	down left		2 0.000 2 0.000	X Y Z	-2 0.000 0.000 -0.014
	SUM	down left		239 0.000 135 0.000	X Y Z	-135 0.134 0.000 -239 0.000 -1.079
	RESP	down left		68 0.000 68 0.000	X Y Z	68 0.000 0.000 0.000
	TOTAL	down left		239 0.000 203 0.000	X Y Z	203 0.134 0.000 239 1.080
A149 A149 1 Stiff	GR	down left		266 0.000 0.000	X Y Z	0.000 0.000 -266 0.000
	T1	down right		299 0.000 299 0.000	X Y Z	299 0.161 0.000 -1.279

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L		G L O B A L	
			Dirn	Force	Dirn	Force
	P1	down right		5 0.000 0.000	X Y Z	5 0.000 0.000 -0.017
	SUM	down right		266 0.000 303 0.000	X Y Z	303 0.161 -266 0.000 -1.295
	RESP	down left		124 0.000 124 0.000	X Y Z	124 0.000 0.000 0.000
	TOTAL	down left		266 0.000 427 0.000	X Y Z	427 0.161 0.000 1.296
A150 A150 1 Stiff	Inclined :RIGID	GR	back	161 0.000	X Y Z	0.000 0.000 -161 0.000
	T1	back		0.000	X Y Z	0.899 0.000 -1.491
	P1	back		0.000	X Y Z	0.012 0.000 -0.019
	SUM	back		161 0.000	X Y Z	0.911 0.000 -1.510
	RESP	back		0.000	X Y Z	0.478 0.000 0.000
	TOTAL	back		161 0.000	X Y Z	1.389 0.000 1.510
A152 A152 1 Stiff	Inclined :RIGID	GR	back	151 0.000	X Y Z	0.000 0.000 -151 0.000
	T1	back		0.000	X Y Z	0.781 0.000 -1.375
	P1	back		0.000	X	0.010

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL		
			Dirn	Force	Dirn	Force	Deform
					Y		0.000
					Z		-0.018
	SUM	back	151	0.000	X		0.791
					Y	-151	0.000
					Z		-1.395
	RESP	back		0.000	X		0.569
					Y		0.000
					Z		0.063
	TOTAL	back	151	0.000	X		1.360
					Y	151	0.000
					Z		1.456
A153 A153 1 Stiff	GR	down left	248	0.000	X		0.000
					Y	-248	0.000
					Z		0.000
	T1	down right		0.000	X		0.580
			413	0.000	Y		0.000
					Z	-413	-0.133
	P1	down right		0.000	X		0.007
			7	0.000	Y		0.000
					Z	-7	0.000
	SUM	down right	248	0.000	X		0.588
			420	0.000	Y	-248	0.000
					Z	-420	-0.133
	RESP	down left		0.000	X		0.569
			63	0.000	Y		0.000
					Z	63	0.000
	TOTAL	down left	248	0.000	X		1.157
			482	0.000	Y	248	0.000
					Z	482	0.133
A155 A155 1 Stiff	GR	down left	241	0.000	X		0.000
				0.000	Y	-241	0.000
					Z		0.000
	T1	down left		0.000	X		0.380
			273	0.000	Y		0.000
					Z	273	0.000
	P1	down left		0.000	X		0.005
			4	0.000	Y		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL		
			Dirn	Force	Dirn	Force	Deform
					Z		4
							0.000
	SUM	down left	241	0.000	X		0.385
			277	0.000	Y	-241	0.000
					Z	277	0.000
	RESP	down left		0.000	X		0.569
			205	0.000	Y		0.000
					Z	205	0.000
	TOTAL	down left	241	0.000	X		0.954
			482	0.000	Y	241	0.000
					Z	482	0.000
A156 A156 1 Stiff	Inclined :RIGID	GR	back	212	0.000	X	0.000
					Y	-212	0.000
					Z		0.000
	T1	back		0.000	X		0.166
					Y		0.000
					Z		0.194
	P1	back		0.000	X		0.002
					Y		0.000
					Z		0.002
	SUM	back	212	0.000	X		0.168
					Y	-212	0.000
					Z		0.197
	RESP	back		0.000	X		0.569
					Y		0.000
					Z		0.583
	TOTAL	back	212	0.000	X		0.737
					Y	212	0.000
					Z		0.780
A159 A158 1 Stiff	Inclined :RIGID	GR	back	120	0.000	X	0.000
					Y	-120	0.000
					Z		0.000
	T1	back		0.000	X		0.320
					Y		0.000
					Z		0.035
	P1	back		0.000	X		0.004
					Y		0.000
					Z		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A161 A161 1 Stiff	Inclined :RIGID	SUM	back	120	0.000	X		0.324
						Y	-120	0.000
						Z		0.035
		RESP	back		0.000	X		0.227
						Y		0.000
						Z		0.595
		TOTAL	back	120	0.000	X	120	0.551
						Y		0.000
						Z		0.630
		GR	back	129	0.000	X		0.000
						Y	-129	0.000
						Z		0.000
		T1	back		0.000	X		0.369
						Y		0.000
						Z		-0.089
	P1	back		0.000	X		0.005	
					Y		0.000	
					Z		-0.002	
	SUM	back	129	0.000	X	-129	0.374	
					Y		0.000	
					Z		-0.091	
	RESP	back		0.000	X		0.001	
					Y		0.000	
					Z		0.411	
	TOTAL	back	129	0.000	X	129	0.374	
					Y		0.000	
					Z		0.503	
A162 A162 1 Stiff	Guide :RIGID	GR	down left	221	0.000	X		0.000
						Y	-221	0.000
						Z		0.000
		T1	down right	129	0.000	X		0.216
					Y		0.000	
					Z	-129	0.000	
		P1	down right	2	0.000	X		0.003
					Y		0.000	
					Z	-2	0.000	
		SUM	down	221	0.000	X		0.219

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A164 A164 1 Stiff	Guide :RIGID	SUM	right	131	0.000	Y	-221	0.000
						Z	-131	0.000
			RESP	down left	216	0.000	X	
						Y		0.000
						Z	216	0.000
		TOTAL	down left	221	0.000	X		0.219
				347	0.000	Y	221	0.000
						Z	347	0.000
		GR	down left	199	0.000	X		0.000
						Y	-199	0.000
						Z		0.000
		T1	down right	1019	0.000	X		-0.215
						Y		0.000
						Z	-1019	-0.072
		P1	down right	21	0.000	X		-0.003
					Y		0.000	
					Z	-21	0.000	
	SUM	down right	199	0.000	X		-0.218	
			1040	0.000	Y	-199	0.000	
					Z	-1040	-0.072	
	RESP	down left	0	0.000	X		0.000	
					Y		0.000	
					Z	0	0.000	
	TOTAL	down left	199	0.000	X		0.218	
			1040	0.000	Y	199	0.000	
					Z	1040	0.072	
A166 A167 1 Stiff	Inclined :RIGID	GR	back	79	0.000	X		0.000
						Y	-79	0.000
						Z		0.000
		T1	back		0.000	X		-0.236
						Y		0.000
						Z		-0.095
		P1	back		0.000	X		-0.004
						Y		0.000
						Z		-0.001
		SUM	back	79	0.000	X		-0.240
					Y	-79	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL	
			Dirn	Force	Dirn	Force
						Deform
					Z	-0.096
	RESP	back		0.000	X	0.000
					Y	0.000
					Z	0.000
	TOTAL	back	79	0.000	X	0.240
					Y	0.000
					Z	0.096

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)			Result
		X	Y	Z	X	Y	Z	
A00	Anchor							
	GR	0	-45	0	45	24	0	36
	T1	372	0	27	373	0	-294	0
	P1	6	0	3	7	0	6	0
	SUM	378	-45	30	382	24	-288	36
	RESP	264	0	207	336	0	452	0
	TOTAL	642	45	237	686	24	740	36
A01	Guide							
	GR	0	-160	0	160	0	0	0
	T1	0	0	-183	183	0	0	0
	P1	0	0	-6	6	0	0	0
	SUM	0	-160	-189	248	0	0	0
	RESP	0	0	396	396	0	0	0
	TOTAL	0	160	585	607	0	0	0
A02	Inclined							
	GR	0	-69	0	69	0	0	0
	T1	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0
	SUM	0	-69	0	69	0	0	0
	RESP	0	0	0	0	0	0	0
	TOTAL	0	69	0	69	0	0	0
A04	Inclined							
	GR	0	-132	0	132	0	0	0
	T1	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0
	SUM	0	-132	0	132	0	0	0
	RESP	0	0	0	0	0	0	0
	TOTAL	0	132	0	132	0	0	0
A05	Guide							
	GR	0	-208	0	208	0	0	0
	T1	-173	0	-173	245	0	0	0
	P1	-3	0	-3	4	0	0	0
	SUM	-176	-208	-176	324	0	0	0
	RESP	127	0	127	180	0	0	0
	TOTAL	303	208	303	477	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A06	Guide								
	GR	0	-191	0	191	0	0	0	0
	T1	89	0	89	125	0	0	0	0
	P1	2	0	2	3	0	0	0	0
	SUM	91	-191	91	230	0	0	0	0
	RESP	50	0	50	71	0	0	0	0
	TOTAL	141	191	141	276	0	0	0	0
A07	Guide								
	GR	0	-195	0	195	0	0	0	0
	T1	-129	0	-129	182	0	0	0	0
	P1	-4	0	-4	5	0	0	0	0
	SUM	-132	-195	-132	270	0	0	0	0
	RESP	3	0	3	5	0	0	0	0
	TOTAL	136	195	136	273	0	0	0	0
A08	Guide								
	GR	0	-196	0	196	0	0	0	0
	T1	331	0	331	469	0	0	0	0
	P1	7	0	7	10	0	0	0	0
	SUM	338	-196	338	517	0	0	0	0
	RESP	28	0	28	40	0	0	0	0
	TOTAL	366	196	366	554	0	0	0	0
A09	Inclined								
	GR	0	-146	0	146	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-146	0	146	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	146	0	146	0	0	0	0
A11	Inclined								
	GR	0	-108	0	108	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-108	0	108	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	108	0	108	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A12	Guide								
	GR	0	-195	0	195	0	0	0	0
	T1	-387	0	387	547	0	0	0	0
	P1	-7	0	7	10	0	0	0	0
	SUM	-393	-195	393	589	0	0	0	0
	RESP	68	0	68	97	0	0	0	0
	TOTAL	462	195	462	681	0	0	0	0
A13	Guide								
	GR	0	-216	0	216	0	0	0	0
	T1	145	0	-145	205	0	0	0	0
	P1	3	0	-3	4	0	0	0	0
	SUM	148	-216	-148	301	0	0	0	0
	RESP	32	0	32	45	0	0	0	0
	TOTAL	180	216	180	334	0	0	0	0
A14	Guide								
	GR	0	-211	0	211	0	0	0	0
	T1	-11	0	11	16	0	0	0	0
	P1	-1	0	1	1	0	0	0	0
	SUM	-12	-211	12	211	0	0	0	0
	RESP	9	0	9	12	0	0	0	0
	TOTAL	20	211	20	213	0	0	0	0
A15	Guide								
	GR	0	-212	0	212	0	0	0	0
	T1	-23	0	23	33	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-23	-212	23	215	0	0	0	0
	RESP	2	0	2	3	0	0	0	0
	TOTAL	26	212	26	215	0	0	0	0
A16	Guide								
	GR	0	-212	0	212	0	0	0	0
	T1	16	0	-16	23	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	16	-212	-16	213	0	0	0	0
	RESP	1	0	1	1	0	0	0	0
	TOTAL	17	212	17	213	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A17	Anchor								
	GR	32	-212	32	217	0	1	0	1
	T1	335	0	347	482	0	-11	0	11
	P1	3	0	3	5	0	0	0	0
	SUM	371	-212	383	573	0	-10	0	10
	RESP	142	0	142	201	1	5	1	5
	TOTAL	512	212	525	763	1	15	1	15
A18	Guide								
	GR	0	-212	0	212	0	0	0	0
	T1	8	0	-8	11	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	9	-212	-9	213	0	0	0	0
	RESP	3	0	3	5	0	0	0	0
	TOTAL	12	212	12	213	0	0	0	0
A19	Guide								
	GR	-1	-210	1	210	0	0	0	0
	T1	-29	0	29	41	0	0	0	0
	P1	0	0	0	1	0	0	0	0
	SUM	-31	-211	31	215	0	0	0	0
	RESP	12	0	12	17	0	0	0	0
	TOTAL	43	211	43	219	0	0	0	0
A20	Guide								
	GR	5	-218	-5	219	0	0	0	0
	T1	106	2	-106	151	0	0	0	0
	P1	1	0	-1	2	0	0	0	0
	SUM	113	-217	-113	270	0	0	0	0
	RESP	46	1	46	65	0	0	0	0
	TOTAL	159	218	159	313	0	0	0	0
A21	Guide								
	GR	-19	-182	19	184	0	0	0	0
	T1	-354	-8	354	501	0	0	0	0
	P1	-5	0	5	7	0	0	0	0
	SUM	-378	-191	378	568	0	0	0	0
	RESP	118	7	118	167	0	0	0	0
	TOTAL	496	198	496	729	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A22	Inclined								
	GR	0	-143	0	143	0	0	0	0
	T1	0	29	0	29	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-113	0	113	0	0	0	0
	RESP	0	15	0	15	0	0	0	0
	TOTAL	0	128	0	128	0	0	0	0
A25	Inclined								
	GR	0	-125	0	125	0	0	0	0
	T1	0	-149	0	149	0	0	0	0
	P1	0	-2	0	2	0	0	0	0
	SUM	0	-276	0	276	0	0	0	0
	RESP	0	10	0	10	0	0	0	0
	TOTAL	0	286	0	286	0	0	0	0
A27	Inclined								
	GR	0	-113	0	113	0	0	0	0
	T1	0	51	0	51	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-61	0	61	0	0	0	0
	RESP	0	20	0	20	0	0	0	0
	TOTAL	0	81	0	81	0	0	0	0
A28	Guide								
	GR	2	-189	-34	192	0	0	0	0
	T1	356	-31	-361	508	0	0	0	0
	P1	5	0	-5	7	0	0	0	0
	SUM	363	-221	-400	583	0	0	0	0
	RESP	118	21	117	167	0	0	0	0
	TOTAL	481	242	516	746	0	0	0	0
A29	Guide								
	GR	-22	-238	-18	240	0	0	0	0
	T1	-176	38	183	257	0	0	0	0
	P1	5	-2	1	3	0	0	0	0
	SUM	-200	-199	167	328	0	0	0	0
	RESP	68	17	67	97	0	0	0	0
	TOTAL	268	217	234	416	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A30	Guide								
	GR	-27	-184	-4	186	0	0	0	0
	T1	394	-76	-407	572	0	0	0	0
	P1	5	-1	-5	8	0	0	0	0
	SUM	373	-260	-416	616	0	0	0	0
	RESP	112	25	110	159	0	0	0	0
TOTAL	484	286	526	770	0	0	0	0	
A31	Inclined								
	GR	0	-125	0	125	0	0	0	0
	T1	0	76	0	76	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-48	0	48	0	0	0	0
	RESP	0	28	0	28	0	0	0	0
TOTAL	0	76	0	76	0	0	0	0	
A33	Inclined								
	GR	0	-83	0	83	0	0	0	0
	T1	0	-7	0	7	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-90	0	90	0	0	0	0
	RESP	0	29	0	29	0	0	0	0
TOTAL	0	119	0	119	0	0	0	0	
A34	Inclined								
	GR	0	-72	0	72	0	0	0	0
	T1	0	93	0	93	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	21	0	21	0	0	0	0
	RESP	0	32	0	32	0	0	0	0
TOTAL	0	54	0	54	0	0	0	0	
A36	Inclined								
	GR	0	-142	0	142	0	0	0	0
	T1	0	-17	0	17	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-159	0	159	0	0	0	0
	RESP	0	5	0	5	0	0	0	0
TOTAL	0	164	0	164	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A37	Guide								
	GR	14	-199	-14	200	0	0	0	0
	T1	-425	0	425	601	0	0	0	0
	P1	-6	0	6	8	0	0	0	0
	SUM	-417	-199	417	623	0	0	0	0
	RESP	123	0	123	173	0	0	0	0
TOTAL	540	199	540	789	0	0	0	0	
A38	Guide								
	GR	-5	-215	5	215	0	0	0	0
	T1	154	0	-154	217	0	0	0	0
	P1	2	0	-2	3	0	0	0	0
	SUM	151	-215	-151	303	0	0	0	0
	RESP	62	0	62	87	0	0	0	0
TOTAL	213	216	213	370	0	0	0	0	
A39	Anchor								
	GR	20	-248	18	250	63	7	278	285
	T1	306	0	505	590	-1	130	-1	130
	P1	5	0	8	10	0	4	0	4
	SUM	331	-248	531	673	62	141	277	316
	RESP	91	10	81	122	26	86	85	124
TOTAL	422	259	612	787	88	227	362	436	
A40	Guide								
	GR	0	-62	0	62	0	0	0	0
	T1	292	0	-292	413	0	0	0	0
	P1	5	0	-5	7	0	0	0	0
	SUM	297	-62	-297	425	0	0	0	0
	RESP	0	42	0	42	0	0	0	0
TOTAL	297	104	297	433	0	0	0	0	
A41	Guide								
	GR	0	-464	0	464	0	0	0	0
	T1	-660	0	660	934	0	0	0	0
	P1	-10	0	10	14	0	0	0	0
	SUM	-670	-464	670	1055	0	0	0	0
	RESP	0	68	0	68	0	0	0	0
TOTAL	670	532	670	1087	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)				
		X	Y	Z	Result	X	Y	Z	Result
A45	Guide								
	GR	0	-450	0	450	0	0	0	0
	T1	-807	0	0	807	0	0	0	0
	P1	-12	0	0	12	0	0	0	0
	SUM	-819	-450	0	934	0	0	0	0
	RESP	0	56	0	56	0	0	0	0
	TOTAL	819	507	0	963	0	0	0	0
A46	Guide								
	GR	0	-129	0	129	0	0	0	0
	T1	336	0	0	336	0	0	0	0
	P1	5	0	0	5	0	0	0	0
	SUM	341	-129	0	365	0	0	0	0
	RESP	0	31	0	31	0	0	0	0
	TOTAL	341	160	0	377	0	0	0	0
A47	Guide								
	GR	0	-262	0	262	0	0	0	0
	T1	-74	0	0	74	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	-75	-262	0	273	0	0	0	0
	RESP	0	8	0	8	0	0	0	0
	TOTAL	75	271	0	281	0	0	0	0
A48	Guide								
	GR	0	-214	0	214	0	0	0	0
	T1	1	0	0	1	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	2	-214	0	214	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	2	217	0	217	0	0	0	0
A49	Anchor								
	GR	0	-228	0	228	12	0	144	145
	T1	5	0	-824	824	0	29	0	29
	P1	0	0	-13	13	0	0	0	0
	SUM	5	-228	-837	868	12	29	144	148
	RESP	0	1	3	3	3	2	45	45
	TOTAL	5	229	840	871	15	30	190	193

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)				
		X	Y	Z	Result	X	Y	Z	Result
A50	Guide								
	GR	0	-225	0	225	0	0	0	0
	T1	3	0	0	3	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	4	-225	0	225	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	5	225	0	225	0	0	0	0
A51	Guide								
	GR	0	-225	0	225	0	0	0	0
	T1	-12	0	0	12	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-12	-225	0	225	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	19	225	0	226	0	0	0	0
A52	Guide								
	GR	0	-227	0	227	0	0	0	0
	T1	46	0	0	46	0	0	0	0
	P1	1	0	0	1	0	0	0	0
	SUM	46	-227	0	231	0	0	0	0
	RESP	23	0	0	23	0	0	0	0
	TOTAL	69	227	0	237	0	0	0	0
A53	Guide								
	GR	0	-220	0	220	0	0	0	0
	T1	-172	0	0	172	0	0	0	0
	P1	-2	0	0	2	0	0	0	0
	SUM	-174	-220	0	280	0	0	0	0
	RESP	87	0	0	87	0	0	0	0
	TOTAL	261	220	0	341	0	0	0	0
153	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	465	0	0	465	0	0	0	0
	P1	6	0	0	6	0	0	0	0
	SUM	471	-244	0	531	0	0	0	0
	RESP	147	0	0	147	0	0	0	0
	TOTAL	618	244	0	665	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A54	Inclined								
	GR	0	-176	0	176	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-176	0	176	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	176	0	176	0	0	0	0	
A56	Inclined								
	GR	0	-106	0	106	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-106	0	106	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	106	0	106	0	0	0	0	
I56	Inclined								
	GR	0	-105	0	105	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-105	0	105	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	105	0	105	0	0	0	0	
A58	Inclined								
	GR	0	-178	0	178	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-178	0	178	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	178	0	178	0	0	0	0	
A59	Guide								
	GR	0	-250	0	250	0	0	0	0
	T1	-463	0	0	463	0	0	0	0
	P1	-6	0	0	6	0	0	0	0
	SUM	-469	-250	0	531	0	0	0	0
	RESP	138	0	0	138	0	0	0	0
TOTAL	607	250	0	656	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A60	Guide								
	GR	0	-231	0	231	0	0	0	0
	T1	168	0	0	168	0	0	0	0
	P1	2	0	0	2	0	0	0	0
	SUM	171	-231	0	288	0	0	0	0
	RESP	80	0	0	80	0	0	0	0
TOTAL	250	231	0	341	0	0	0	0	
A61	Guide								
	GR	0	-237	0	237	0	0	0	0
	T1	-45	0	0	45	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	-46	-237	0	241	0	0	0	0
	RESP	21	0	0	21	0	0	0	0
TOTAL	67	237	0	246	0	0	0	0	
A62	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	12	0	0	12	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	12	-235	0	235	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
TOTAL	18	235	0	236	0	0	0	0	
A63	Guide								
	GR	0	-236	0	236	0	0	0	0
	T1	-3	0	0	3	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-3	-236	0	236	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
TOTAL	5	236	0	236	0	0	0	0	
A64	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	1	0	0	1	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	1	-235	0	235	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	1	235	0	235	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A65	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-235	0	235	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	235	0	235	0	0	0	0
A66	Anchor								
	GR	0	-235	0	235	0	0	0	8
	T1	0	0	76	76	0	1	8	8
	P1	0	0	1	1	0	0	0	0
	SUM	0	-235	77	248	0	1	8	8
	RESP	0	0	8	8	0	0	0	0
	TOTAL	0	235	84	250	0	1	8	8
A67	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-235	0	235	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	235	0	235	0	0	0	0
A68	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	-1	0	0	1	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-1	-235	0	235	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	1	235	0	235	0	0	0	0
A69	Guide								
	GR	0	-236	0	236	0	0	0	0
	T1	4	0	0	4	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	4	-236	0	236	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	5	236	0	236	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A70	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	-13	0	0	13	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-13	-235	0	235	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	19	235	0	236	0	0	0	0
A71	Guide								
	GR	0	-237	0	237	0	0	0	0
	T1	50	-1	0	50	0	0	0	0
	P1	1	0	0	1	0	0	0	0
	SUM	50	-237	0	242	0	0	0	0
	RESP	22	0	0	22	0	0	0	0
	TOTAL	72	237	0	248	0	0	0	0
A72	Guide								
	GR	0	-231	0	231	0	0	0	0
	T1	-186	2	0	186	0	0	0	0
	P1	-2	0	0	2	0	0	0	0
	SUM	-189	-229	0	297	0	0	0	0
	RESP	82	0	0	82	0	0	0	0
	TOTAL	271	229	0	355	0	0	0	0
A73	Guide								
	GR	0	-250	0	250	0	0	0	0
	T1	517	-9	0	517	0	0	0	0
	P1	7	0	0	7	0	0	0	0
	SUM	524	-259	0	585	0	0	0	0
	RESP	142	0	0	142	0	0	0	0
	TOTAL	666	259	0	715	0	0	0	0
A74	Inclined								
	GR	0	-178	0	178	0	0	0	0
	T1	0	-101	0	101	0	0	0	0
	P1	0	-1	0	1	0	0	0	0
	SUM	0	-280	0	280	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	283	0	283	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A76	Inclined								
	GR	0	-106	0	106	0	0	0	0
	T1	0	143	0	143	0	0	0	0
	P1	0	2	0	2	0	0	0	0
	SUM	0	39	0	39	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	42	0	42	0	0	0	0
I76	Inclined								
	GR	0	-106	0	106	0	0	0	0
	T1	0	-143	0	143	0	0	0	0
	P1	0	-2	0	2	0	0	0	0
	SUM	0	-250	0	250	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	253	0	253	0	0	0	0
A78	Inclined								
	GR	0	-178	0	178	0	0	0	0
	T1	0	101	0	101	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-75	0	75	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	78	0	78	0	0	0	0
A79	Guide								
	GR	0	-250	0	250	0	0	0	0
	T1	-517	9	0	517	0	0	0	0
	P1	-7	0	0	7	0	0	0	0
	SUM	-524	-242	0	577	0	0	0	0
	RESP	142	0	0	142	0	0	0	0
	TOTAL	666	242	0	709	0	0	0	0
A80	Guide								
	GR	0	-231	0	231	0	0	0	0
	T1	186	-2	0	186	0	0	0	0
	P1	2	0	0	2	0	0	0	0
	SUM	188	-234	0	300	0	0	0	0
	RESP	82	0	0	82	0	0	0	0
	TOTAL	271	234	0	358	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A81	Guide								
	GR	0	-237	0	237	0	0	0	0
	T1	-50	1	0	50	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	-50	-236	0	241	0	0	0	0
	RESP	22	0	0	22	0	0	0	0
	TOTAL	72	236	0	247	0	0	0	0
A82	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	13	0	0	13	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	13	-235	0	236	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	19	235	0	236	0	0	0	0
A83	Guide								
	GR	0	-236	0	236	0	0	0	0
	T1	-4	0	0	4	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-4	-235	0	236	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	5	235	0	236	0	0	0	0
A84	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	1	0	0	1	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	1	-235	0	235	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	1	235	0	235	0	0	0	0
A85	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-235	0	235	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	235	0	235	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A86	Anchor								
	GR	0	-235	0	235	0	0	1	1
	T1	3	0	-366	366	0	-12	8	14
	P1	0	0	-4	4	0	0	0	0
	SUM	3	-235	-370	439	0	-12	9	15
	RESP	0	0	84	84	0	0	0	0
	TOTAL	3	235	454	511	0	12	9	15
A87	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	-11	0	0	11	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-11	-235	0	236	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	11	235	0	236	0	0	0	0
A88	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	20	0	0	20	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	20	-235	0	236	0	0	0	0
	RESP	1	0	0	1	0	0	0	0
	TOTAL	20	235	0	236	0	0	0	0
A89	Guide								
	GR	0	-236	0	236	0	0	0	0
	T1	-17	0	0	17	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-16	-236	0	236	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	19	236	0	236	0	0	0	0
A90	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	2	0	0	2	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	2	-235	0	235	0	0	0	0
	RESP	9	0	0	9	0	0	0	0
	TOTAL	11	235	0	235	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A91	Guide								
	GR	0	-237	0	237	0	0	0	0
	T1	19	0	0	19	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	20	-237	0	238	0	0	0	0
	RESP	34	0	0	34	0	0	0	0
	TOTAL	53	237	0	243	0	0	0	0
A92	Guide								
	GR	0	-230	0	230	0	0	0	0
	T1	-78	0	0	78	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	-80	-230	0	244	0	0	0	0
	RESP	127	0	0	127	0	0	0	0
	TOTAL	207	230	0	309	0	0	0	0
A93	Guide								
	GR	0	-255	0	255	0	0	0	0
	T1	225	0	0	225	0	0	0	0
	P1	4	0	0	4	0	0	0	0
	SUM	229	-255	0	342	0	0	0	0
	RESP	230	0	0	230	0	0	0	0
	TOTAL	459	255	0	525	0	0	0	0
A94	Inclined								
	GR	0	-168	0	168	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-168	0	168	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	168	0	168	0	0	0	0
A96	Inclined								
	GR	0	-130	0	130	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-130	0	130	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	130	0	130	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A97	Guide								
	GR	0	-221	0	221	0	0	0	0
	T1	0	0	-597	597	0	0	0	0
	P1	0	0	-10	10	0	0	0	0
	SUM	0	-221	-608	647	0	0	0	0
	RESP	0	0	85	85	0	0	0	0
	TOTAL	0	221	693	727	0	0	0	0
A98	Guide								
	GR	0	-220	0	220	0	0	0	0
	T1	0	0	556	556	0	0	0	0
	P1	0	0	10	10	0	0	0	0
	SUM	0	-220	565	607	0	0	0	0
	RESP	0	0	95	95	0	0	0	0
	TOTAL	0	220	660	696	0	0	0	0
A99	Inclined								
	GR	0	-132	0	132	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-132	0	132	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	132	0	132	0	0	0	0
A101	Inclined								
	GR	0	-164	0	164	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-164	0	164	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	164	0	164	0	0	0	0
A102	Guide								
	GR	0	-241	0	241	0	0	0	0
	T1	-244	0	0	244	0	0	0	0
	P1	-4	0	0	4	0	0	0	0
	SUM	-248	-241	0	346	0	0	0	0
	RESP	259	0	0	259	0	0	0	0
	TOTAL	508	241	0	562	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A103	Guide								
	GR	0	-209	0	209	0	0	0	0
	T1	93	0	0	93	0	0	0	0
	P1	2	0	0	2	0	0	0	0
	SUM	95	-209	0	230	0	0	0	0
	RESP	149	0	0	149	0	0	0	0
	TOTAL	243	209	0	321	0	0	0	0
A104	Guide								
	GR	0	-218	0	218	0	0	0	0
	T1	3	0	0	3	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	2	-218	0	218	0	0	0	0
	RESP	40	0	0	40	0	0	0	0
	TOTAL	42	218	0	222	0	0	0	0
A105	Guide								
	GR	0	-216	0	216	0	0	0	0
	T1	-27	0	0	27	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-26	-216	0	217	0	0	0	0
	RESP	11	0	0	11	0	0	0	0
	TOTAL	37	216	0	219	0	0	0	0
A106	Guide								
	GR	0	-217	0	217	0	0	0	0
	T1	17	0	0	17	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	17	-217	0	217	0	0	0	0
	RESP	3	0	0	3	0	0	0	0
	TOTAL	20	217	0	217	0	0	0	0
A107	Anchor								
	GR	0	-217	35	220	-3	0	-9	9
	T1	-5	-2	39	40	-9	-16	19	27
	P1	0	0	0	0	0	0	0	0
	SUM	-5	-219	74	232	-12	-16	11	23
	RESP	1	0	89	89	0	3	0	3
	TOTAL	5	219	163	273	12	19	11	25

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A108	Guide								
	GR	0	-214	0	214	0	0	0	0
	T1	1	9	0	9	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	1	-205	0	205	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	2	205	0	205	0	0	0	0	
A109	Guide								
	GR	0	-225	0	225	0	0	0	0
	T1	-5	-32	0	33	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-5	-258	0	258	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
TOTAL	7	258	0	258	0	0	0	0	
A110	Guide								
	GR	0	-150	0	150	0	0	0	0
	T1	64	135	0	150	0	0	0	0
	P1	0	2	0	2	0	0	0	0
	SUM	64	-12	0	66	0	0	0	0
	RESP	24	0	0	24	0	0	0	0
TOTAL	89	13	0	90	0	0	0	0	
A112	Guide								
	GR	0	-124	-8	124	0	0	0	0
	T1	-108	-163	-11	196	0	0	0	0
	P1	-1	-2	0	2	0	0	0	0
	SUM	-109	-289	-19	309	0	0	0	0
	RESP	54	0	0	54	0	0	0	0
TOTAL	163	289	19	332	0	0	0	0	
I112	Guide								
	GR	0	-198	-13	198	0	0	0	0
	T1	133	58	4	145	0	0	0	0
	P1	1	1	0	2	0	0	0	0
	SUM	135	-139	-9	194	0	0	0	0
	RESP	158	1	0	158	0	0	0	0
TOTAL	273	140	9	307	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
I113	Guide								
	GR	0	-212	-14	213	0	0	0	0
	T1	-303	-42	-3	306	0	0	0	0
	P1	-4	-1	0	4	0	0	0	0
	SUM	-308	-255	-17	400	0	0	0	0
	RESP	219	3	0	219	0	0	0	0
TOTAL	527	258	17	587	0	0	0	0	
A113	Inclined								
	GR	0	-116	0	116	0	0	0	0
	T1	0	27	0	27	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-89	0	89	0	0	0	0
	RESP	0	9	0	9	0	0	0	0
TOTAL	0	99	0	99	0	0	0	0	
A115	Inclined								
	GR	0	-189	0	189	0	0	0	0
	T1	0	-3	0	3	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-192	0	192	0	0	0	0
	RESP	0	6	0	6	0	0	0	0
TOTAL	0	198	0	198	0	0	0	0	
A116	Inclined								
	GR	0	-165	0	165	0	0	0	0
	T1	0	23	0	23	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-141	0	141	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
TOTAL	0	144	0	144	0	0	0	0	
A118	Inclined								
	GR	0	-154	0	154	0	0	0	0
	T1	0	-11	0	11	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-165	0	165	0	0	0	0
	RESP	0	1	0	1	0	0	0	0
TOTAL	0	167	0	167	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A119	Guide								
	GR	0	-265	0	265	0	0	0	0
	T1	320	1	0	320	0	0	0	0
	P1	4	0	0	4	0	0	0	0
	SUM	324	-264	0	418	0	0	0	0
	RESP	122	0	0	122	0	0	0	0
	TOTAL	446	264	0	519	0	0	0	0
A120	Guide								
	GR	0	-239	0	239	0	0	0	0
	T1	-138	0	0	138	0	0	0	0
	P1	-2	0	0	2	0	0	0	0
	SUM	-140	-239	0	277	0	0	0	0
	RESP	74	0	0	74	0	0	0	0
	TOTAL	214	239	0	321	0	0	0	0
A121	Guide								
	GR	0	-246	0	246	0	0	0	0
	T1	51	0	0	51	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	52	-246	0	251	0	0	0	0
	RESP	20	0	0	20	0	0	0	0
	TOTAL	71	246	0	256	0	0	0	0
A122	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-18	0	0	18	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-19	-244	0	245	0	0	0	0
	RESP	5	0	0	5	0	0	0	0
	TOTAL	24	244	0	245	0	0	0	0
A123	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	5	0	0	5	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	5	-244	0	244	0	0	0	0
	RESP	1	0	0	1	0	0	0	0
	TOTAL	6	244	0	244	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A124	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-1	0	0	1	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-1	-244	0	244	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	2	244	0	244	0	0	0	0
A125	Anchor								
	GR	0	-244	0	244	0	0	9	9
	T1	0	0	148	148	0	1	7	7
	P1	0	0	2	2	0	0	0	0
	SUM	0	-244	150	287	0	1	16	16
	RESP	0	0	23	23	0	1	0	1
	TOTAL	1	244	173	299	0	2	16	16
A126	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-244	0	244	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	1	244	0	244	0	0	0	0
A127	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	2	0	0	2	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	2	-244	0	244	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	3	244	0	244	0	0	0	0
A128	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-6	0	0	6	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-7	-244	0	244	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	13	244	0	244	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A129	Guide								
	GR	0	-245	0	245	0	0	0	0
	T1	24	0	0	24	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	24	-246	0	247	0	0	0	0
	TOTAL	24	0	0	24	0	0	0	0
A130	Guide								
	GR	0	-240	0	240	0	0	0	0
	T1	-108	2	0	108	0	0	0	0
	P1	-2	0	0	2	0	0	0	0
	SUM	-110	-238	0	262	0	0	0	0
	TOTAL	89	0	0	89	0	0	0	0
A131	Guide								
	GR	0	-260	0	260	0	0	0	0
	T1	349	-7	0	349	0	0	0	0
	P1	5	0	0	5	0	0	0	0
	SUM	354	-267	0	444	0	0	0	0
	TOTAL	153	0	0	153	0	0	0	0
A132	Inclined								
	GR	0	-171	0	171	0	0	0	0
	T1	0	-70	0	70	0	0	0	0
	P1	0	-1	0	1	0	0	0	0
	SUM	0	-241	0	241	0	0	0	0
	TOTAL	0	3	0	3	0	0	0	0
A134	Inclined								
	GR	0	-131	0	131	0	0	0	0
	T1	0	89	0	89	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-41	0	41	0	0	0	0
	TOTAL	0	3	0	3	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
I134	Inclined								
	GR	0	-130	0	130	0	0	0	0
	T1	0	-89	0	89	0	0	0	0
	P1	0	-1	0	1	0	0	0	0
	SUM	0	-220	0	220	0	0	0	0
	TOTAL	0	3	0	3	0	0	0	0
A136	Inclined								
	GR	0	-171	0	171	0	0	0	0
	T1	0	70	0	70	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-100	0	100	0	0	0	0
	TOTAL	0	3	0	3	0	0	0	0
A137	Guide								
	GR	0	-260	0	260	0	0	0	0
	T1	-349	7	0	349	0	0	0	0
	P1	-5	0	0	5	0	0	0	0
	SUM	-354	-253	0	436	0	0	0	0
	TOTAL	153	0	0	153	0	0	0	0
A138	Guide								
	GR	0	-240	0	240	0	0	0	0
	T1	108	-2	0	108	0	0	0	0
	P1	2	0	0	2	0	0	0	0
	SUM	110	-242	0	266	0	0	0	0
	TOTAL	89	0	0	89	0	0	0	0
A139	Guide								
	GR	0	-245	0	245	0	0	0	0
	T1	-24	0	0	24	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-24	-245	0	246	0	0	0	0
	TOTAL	24	0	0	24	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A140	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	6	0	0	6	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	7	-244	0	244	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	13	244	0	244	0	0	0	0
A141	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-2	0	0	2	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-2	-244	0	244	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	3	244	0	244	0	0	0	0
A142	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-244	0	244	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	1	244	0	244	0	0	0	0
A143	Anchor								
	GR	0	-244	0	244	0	0	2	2
	T1	3	0	-181	181	0	-16	7	17
	P1	0	0	-2	2	0	0	0	0
	SUM	3	-244	-183	305	0	-16	9	18
	RESP	0	0	28	28	0	1	0	1
	TOTAL	3	244	211	323	0	17	9	19
A144	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-13	0	0	13	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-13	-244	0	245	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	14	244	0	245	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A145	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	25	0	0	25	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	25	-244	0	246	0	0	0	0
	RESP	1	0	0	1	0	0	0	0
	TOTAL	26	244	0	246	0	0	0	0
A146	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-30	0	0	30	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-30	-244	0	246	0	0	0	0
	RESP	5	0	0	5	0	0	0	0
	TOTAL	35	244	0	246	0	0	0	0
A147	Guide								
	GR	0	-246	0	246	0	0	0	0
	T1	44	0	0	44	0	0	0	0
	P1	1	0	0	1	0	0	0	0
	SUM	45	-246	0	250	0	0	0	0
	RESP	18	0	0	18	0	0	0	0
	TOTAL	63	246	0	254	0	0	0	0
A148	Guide								
	GR	0	-239	0	239	0	0	0	0
	T1	-133	0	0	133	0	0	0	0
	P1	-2	0	0	2	0	0	0	0
	SUM	-135	-239	0	274	0	0	0	0
	RESP	68	0	0	68	0	0	0	0
	TOTAL	203	239	0	313	0	0	0	0
A149	Guide								
	GR	0	-266	0	266	0	0	0	0
	T1	299	0	0	299	0	0	0	0
	P1	5	0	0	5	0	0	0	0
	SUM	303	-266	0	403	0	0	0	0
	RESP	124	0	0	124	0	0	0	0
	TOTAL	427	266	0	503	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A150	Inclined								
	GR	0	-161	0	161	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-161	0	161	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0
A152	Inclined								
	GR	0	-151	0	151	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-151	0	151	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0
A153	Guide								
	GR	0	-248	0	248	0	0	0	0
	T1	0	0	-413	413	0	0	0	0
	P1	0	0	-7	7	0	0	0	0
	SUM	0	-248	-420	487	0	0	0	0
	TOTAL	0	0	63	63	0	0	0	0
A155	Guide								
	GR	0	-241	0	241	0	0	0	0
	T1	0	0	273	273	0	0	0	0
	P1	0	0	4	4	0	0	0	0
	SUM	0	-241	277	367	0	0	0	0
	TOTAL	0	0	205	205	0	0	0	0
A156	Inclined								
	GR	0	-212	0	212	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-212	0	212	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A159	Inclined								
	GR	0	-120	0	120	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-120	0	120	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0
A161	Inclined								
	GR	0	-129	0	129	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-129	0	129	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0
A162	Guide								
	GR	0	-221	0	221	0	0	0	0
	T1	0	0	-129	129	0	0	0	0
	P1	0	0	-2	2	0	0	0	0
	SUM	0	-221	-131	257	0	0	0	0
	TOTAL	0	0	216	216	0	0	0	0
A163	Anchor								
	GR	0	-263	0	263	11	0	20	23
	T1	427	0	106	440	0	98	0	98
	P1	8	0	3	8	0	8	0	8
	SUM	435	-263	109	520	11	106	20	108
	TOTAL	257	0	85	271	0	388	0	388
A164	Guide								
	GR	0	-199	0	199	0	0	0	0
	T1	0	0	-1019	1019	0	0	0	0
	P1	0	0	-21	21	0	0	0	0
	SUM	0	-199	-1040	1059	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A166	Inclined								
	GR	0	-79	0	79	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-79	0	79	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	79	0	79	0	0	0	0
A167	Anchor								
	GR	0	-67	0	67	-81	0	-3	81
	T1	-622	0	946	1132	0	2738	0	2738
	P1	-11	0	19	21	0	45	0	45
	SUM	-633	-67	964	1156	-81	2783	-3	2784
	RESP	0	0	0	0	0	0	0	0
	TOTAL	633	67	964	1156	81	2783	3	2784

ASME B31.3c (1992) CODE COMPLIANCE

Point name	Load combination	In-Pl. Out-Pl. Torsion			S.L.F		Eq. Load no.	Code type	Code (Stress in psi)		
		Moment	Moment	Moment	In	Out			Stress	Allow.	
*** Segment A begin ***											
A00	Max P							(3a)	HOOP	4844	16700
	GR + Max P	36	6		1.00	1.00	(18)	SUST	2238	16700	
	Cold to T1	0	294		0	1.00	1.00	(17)	DISP	1098	25050
	SRSS	0	326		1.00	1.00	(18)	OCC	1565	22211	
A01	Max P							(3a)	HOOP	4844	16700
	GR + Max P	123	13		1.00	1.00	(18)	SUST	2655	16700	
	Cold to T1	0	472		0	1.00	1.00	(17)	DISP	1764	25050
	SRSS	0	663		1.00	1.00	(18)	OCC	3183	22211	
A02	Max P							(3a)	HOOP	4844	16700
	GR + Max P	18	13		1.00	1.00	(18)	SUST	2169	16700	
	Cold to T1	0	880		0	1.00	1.00	(17)	DISP	3285	25050
	SRSS	0	519		1.00	1.00	(18)	OCC	2491	22211	
A03 N-	Max P							(3a)	HOOP	4844	16700
	GR + Max P	18	13		1.00	1.00	(18)	SUST	2169	16700	
	Cold to T1	0	899		0	1.00	1.00	(17)	DISP	3355	25050
	SRSS	0	533		1.00	1.00	(18)	OCC	2556	22211	
A03 N+	Max P							(3a)	HOOP	4844	16700
	GR + Max P	13	18		1.00	1.00	(18)	SUST	2169	16700	
	Cold to T1	899	0		0	1.00	1.00	(17)	DISP	3355	25050
	SRSS	533	0		1.00	1.00	(18)	OCC	2556	22211	
A03 M	Max P							(3a)	HOOP	4844	16700
	GR + Max P	15	37		1.00	1.00	(18)	SUST	2256	16700	
	Cold to T1	1003	0		0	1.00	1.00	(17)	DISP	3766	25050
	SRSS	625	0		1.00	1.00	(18)	OCC	3001	22211	
A03 F-	Max P							(3a)	HOOP	4844	16700
	GR + Max P	14	81		1.00	1.00	(18)	SUST	2457	16700	
	Cold to T1	904	0		0	1.00	1.00	(17)	DISP	3373	25050
	SRSS	599	0		1.00	1.00	(18)	OCC	2876	22211	
A03 F+	Max P							(3a)	HOOP	4844	16700
	GR + Max P	81	14		1.00	1.00	(18)	SUST	2457	16700	
	Cold to T1	0	904		0	1.00	1.00	(17)	DISP	3373	25050
	SRSS	0	599		1.00	1.00	(18)	OCC	2876	22211	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F In	S.I.F Out	Eq. no.	Load type		
A04	Max P						(3a) HOOP	4844	16700	
	GR + Max P	86	14		1.00	1.00	(18) SUST	2482	16700	
	Cold to T1	0	886	0	1.00	1.00	(17) DISP	3306	25050	
	SRSS	0	592		1.00	1.00	(18) OCC	2840	22211	
A05	Max P						(3a) HOOP	4844	16700	
	GR + Max P	203	11		1.00	1.00	(18) SUST	3037	16700	
	Cold to T1	0	792	0	1.00	1.00	(17) DISP	2957	25050	
	SRSS	0	371		1.00	1.00	(18) OCC	1779	22211	
A06	Max P						(3a) HOOP	4844	16700	
	GR + Max P	172	5		1.00	1.00	(18) SUST	2889	16700	
	Cold to T1	0	229	0	1.00	1.00	(17) DISP	854	25050	
	SRSS	0	94		1.00	1.00	(18) OCC	449	22211	
A07	Max P						(3a) HOOP	4844	16700	
	GR + Max P	179	9		1.00	1.00	(18) SUST	2923	16700	
	Cold to T1	0	128	0	1.00	1.00	(17) DISP	479	25050	
	SRSS	0	6		1.00	1.00	(18) OCC	29	22211	
A08	Max P						(3a) HOOP	4844	16700	
	GR + Max P	181	31		1.00	1.00	(18) SUST	2946	16700	
	Cold to T1	0	1518	0	1.00	1.00	(17) DISP	5667	25050	
	SRSS	0	69		1.00	1.00	(18) OCC	332	22211	
A085	Max P						(3a) HOOP	4844	16700	
	GR + Max P	95	4		1.00	1.00	(18) SUST	2520	16700	
	Cold to T1	0	390	0	1.00	1.00	(17) DISP	1455	25050	
	SRSS	0	68		1.00	1.00	(18) OCC	328	22211	
A09	Max P						(3a) HOOP	4844	16700	
	GR + Max P	99	29		1.00	1.00	(18) SUST	2558	16700	
	Cold to T1	0	1770	0	1.00	1.00	(17) DISP	6608	25050	
	SRSS	0	156		1.00	1.00	(18) OCC	751	22211	
A10 N-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	69	32		1.00	1.00	(18) SUST	2431	16700	
	Cold to T1	0	1929	0	1.00	1.00	(17) DISP	7202	25050	
	SRSS	0	166		1.00	1.00	(18) OCC	797	22211	
A10 N+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	32	69		1.00	1.00	(18) SUST	2431	16700	
	Cold to T1	1929	0	0	1.00	1.00	(17) DISP	7202	25050	
	SRSS	166	0		1.00	1.00	(18) OCC	797	22211	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F In	S.I.F Out	Eq. no.	Load type		
A10 M	Max P						(3a) HOOP	4844	16700	
	GR + Max P	40	15		1.00	1.00	(18) SUST	2267	16700	
	Cold to T1	2317	0	0	1.00	1.00	(17) DISP	8649	25050	
	SRSS	194	0		1.00	1.00	(18) OCC	930	22211	
A10 F-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	30	24		1.00	1.00	(18) SUST	2249	16700	
	Cold to T1	1749	0	0	1.00	1.00	(17) DISP	6528	25050	
	SRSS	151	0		1.00	1.00	(18) OCC	726	22211	
A10 F+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	24	30		1.00	1.00	(18) SUST	2249	16700	
	Cold to T1	0	1749	0	1.00	1.00	(17) DISP	6528	25050	
	SRSS	0	151		1.00	1.00	(18) OCC	726	22211	
A11	Max P						(3a) HOOP	4844	16700	
	GR + Max P	45	27		1.00	1.00	(18) SUST	2317	16700	
	Cold to T1	0	1563	0	1.00	1.00	(17) DISP	5833	25050	
	SRSS	0	136		1.00	1.00	(18) OCC	654	22211	
A12	Max P						(3a) HOOP	4844	16700	
	GR + Max P	181	30		1.00	1.00	(18) SUST	2942	16700	
	Cold to T1	0	1672	0	1.00	1.00	(17) DISP	6241	25050	
	SRSS	0	244		1.00	1.00	(18) OCC	1171	22211	
A13	Max P						(3a) HOOP	4844	16700	
	GR + Max P	220	8		1.00	1.00	(18) SUST	3121	16700	
	Cold to T1	0	410	0	1.00	1.00	(17) DISP	1531	25050	
	SRSS	0	65		1.00	1.00	(18) OCC	312	22211	
A14	Max P						(3a) HOOP	4844	16700	
	GR + Max P	209	2		1.00	1.00	(18) SUST	3069	16700	
	Cold to T1	0	31	0	1.00	1.00	(17) DISP	115	25050	
	SRSS	0	17		1.00	1.00	(18) OCC	83	22211	
A15	Max P						(3a) HOOP	4844	16700	
	GR + Max P	212	1		1.00	1.00	(18) SUST	3082	16700	
	Cold to T1	0	161	0	1.00	1.00	(17) DISP	600	25050	
	SRSS	0	5		1.00	1.00	(18) OCC	22	22211	
A16	Max P						(3a) HOOP	4844	16700	
	GR + Max P	212	0		1.00	1.00	(18) SUST	3079	16700	
	Cold to T1	0	46	0	1.00	1.00	(17) DISP	170	25050	
	SRSS	0	1		1.00	1.00	(18) OCC	6	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			S.I.F		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	Eq. Load no.	Code type		
A17 -	Max P						(3a) HOOP	4844	16700	
	GR + Max P	212	0		1.00	1.00	(18) SUST	3081	16700	
	Cold to T1	0	23	0	1.00	1.00	(17) DISP	85	25050	
	SRSS	0	1		1.00	1.00	(18) OCC	3	22211	
A17 +	Max P						(3a) HOOP	4844	16700	
	GR + Max P	211	1		1.00	1.00	(18) SUST	3076	16700	
	Cold to T1	0	11	0	1.00	1.00	(17) DISP	43	25050	
	SRSS	0	3		1.00	1.00	(18) OCC	16	22211	
A18	Max P						(3a) HOOP	4844	16700	
	GR + Max P	213	1		1.00	1.00	(18) SUST	3083	16700	
	Cold to T1	0	23	0	1.00	1.00	(17) DISP	36	25050	
	SRSS	0	7		1.00	1.00	(18) OCC	33	22211	
A19	Max P						(3a) HOOP	4844	16700	
	GR + Max P	208	5		1.00	1.00	(18) SUST	3062	16700	
	Cold to T1	1	80	0	1.00	1.00	(17) DISP	301	25050	
	SRSS	0	24		1.00	1.00	(18) OCC	115	22211	
A20	Max P						(3a) HOOP	4844	16700	
	GR + Max P	225	19		1.00	1.00	(18) SUST	3144	16700	
	Cold to T1	3	300	0	1.00	1.00	(17) DISP	1120	25050	
	SRSS	2	89		1.00	1.00	(18) OCC	429	22211	
A21	Max P						(3a) HOOP	4844	16700	
	GR + Max P	164	72		1.00	1.00	(18) SUST	2920	16700	
	Cold to T1	12	1126	0	1.00	1.00	(17) DISP	4204	25050	
	SRSS	7	336		1.00	1.00	(18) OCC	1611	22211	
A22	Max P						(3a) HOOP	4844	16700	
	GR + Max P	120	155		1.00	1.00	(18) SUST	3004	16700	
	Cold to T1	51	2184	0	1.00	1.00	(17) DISP	8157	25050	
	SRSS	30	410		1.00	1.00	(18) OCC	1972	22211	
A23 N-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	87	168		1.00	1.00	(18) SUST	2971	16700	
	Cold to T1	41	2375	0	1.00	1.00	(17) DISP	8867	25050	
	SRSS	27	443		1.00	1.00	(18) OCC	2130	22211	
A23 N+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	168	87		1.00	1.00	(18) SUST	2971	16700	
	Cold to T1	2375	41	0	1.00	1.00	(17) DISP	8867	25050	
	SRSS	443	27		1.00	1.00	(18) OCC	2130	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			S.I.F		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	Eq. Load no.	Code type		
A23 M	Max P						(3a) HOOP	4844	16700	
	GR + Max P	175	28		1.00	1.00	(18) SUST	2912	16700	
	Cold to T1	2493	23	8	1.00	1.00	(17) DISP	9306	25050	
	SRSS	473	5		1.00	1.00	(18) OCC	2271	22211	
A23 F-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	68	12		1.00	1.00	(18) SUST	2394	16700	
	Cold to T1	977	73	32	1.00	1.00	(17) DISP	3660	25050	
	SRSS	296	20		1.00	1.00	(18) OCC	1423	22211	
A23 F+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	12	68		1.00	1.00	(18) SUST	2394	16700	
	Cold to T1	73	977	32	1.00	1.00	(17) DISP	3660	25050	
	SRSS	20	296		1.00	1.00	(18) OCC	1423	22211	
A25	Max P						(3a) HOOP	4844	16700	
	GR + Max P	74	36		1.00	1.00	(18) SUST	2460	16700	
	Cold to T1	113	499	32	1.00	1.00	(17) DISP	1914	25050	
	SRSS	30	281		1.00	1.00	(18) OCC	1357	22211	
A26 N-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	45	64		1.00	1.00	(18) SUST	2438	16700	
	Cold to T1	50	899	32	1.00	1.00	(17) DISP	3363	25050	
	SRSS	36	311		1.00	1.00	(18) OCC	1502	22211	
A26 N+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	58	52		1.00	1.00	(18) SUST	2438	16700	
	Cold to T1	887	157	32	1.00	1.00	(17) DISP	3363	25050	
	SRSS	312	26		1.00	1.00	(18) OCC	1502	22211	
A26 M	Max P						(3a) HOOP	4844	16700	
	GR + Max P	174	25		1.00	1.00	(18) SUST	2904	16700	
	Cold to T1	2424	62	58	1.00	1.00	(17) DISP	9056	25050	
	SRSS	481	7		1.00	1.00	(18) OCC	2308	22211	
A26 F-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	166	27		1.00	1.00	(18) SUST	2868	16700	
	Cold to T1	2316	69	56	1.00	1.00	(17) DISP	8651	25050	
	SRSS	430	27		1.00	1.00	(18) OCC	2069	22211	
A26 F+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	27	166		1.00	1.00	(18) SUST	2868	16700	
	Cold to T1	69	2316	56	1.00	1.00	(17) DISP	8651	25050	
	SRSS	27	430		1.00	1.00	(18) OCC	2069	22211	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE			(Stress in psi)		
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F In	S.I.F Out	Eq. Load no.	Code type	Code Stress	Code Allow.
A27	Max P						(3a) HOOP	4844	16700	
	GR + Max P	52	152		1.00	1.00	(18) SUST	2833	16700	
	Cold to T1	85	2116	54	1.00	1.00	(17) DISP	7907	25050	
	SRSS	30	395		1.00	1.00	(18) OCC	1900	22211	
A28	Max P						(3a) HOOP	4844	16700	
	GR + Max P	170	66		1.00	1.00	(18) SUST	2935	16700	
	Cold to T1	76	1034	54	1.00	1.00	(17) DISP	3952	25050	
	SRSS	49	333		1.00	1.00	(18) OCC	1614	22211	
A29	Max P						(3a) HOOP	4844	16700	
	GR + Max P	271	12		1.00	1.00	(18) SUST	3362	16700	
	Cold to T1	81	536	54	1.00	1.00	(17) DISP	2034	25050	
	SRSS	26	138		1.00	1.00	(18) OCC	674	22211	
A30	Max P						(3a) HOOP	4844	16700	
	GR + Max P	165	15		1.00	1.00	(18) SUST	2859	16700	
	Cold to T1	249	1099	54	1.00	1.00	(17) DISP	4213	25050	
	SRSS	53	425		1.00	1.00	(18) OCC	2054	22211	
A31	Max P						(3a) HOOP	4844	16700	
	GR + Max P	85	56		1.00	1.00	(18) SUST	2548	16700	
	Cold to T1	164	2538	56	1.00	1.00	(17) DISP	9497	25050	
	SRSS	47	299		1.00	1.00	(18) OCC	1454	22211	
A32 N- Max P	GR + Max P	55	60		1.00	1.00	(18) SUST	2454	16700	
	Cold to T1	151	2768	56	1.00	1.00	(17) DISP	10351	25050	
	SRSS	42	330		1.00	1.00	(18) OCC	1598	22211	
A32 N+ Max P	GR + Max P	60	55		1.00	1.00	(18) SUST	2454	16700	
	Cold to T1	2768	151	56	1.00	1.00	(17) DISP	10351	25050	
	SRSS	330	42		1.00	1.00	(18) OCC	1598	22211	
A32 M Max P	GR + Max P	67	26		1.00	1.00	(18) SUST	2406	16700	
	Cold to T1	3024	85	41	1.00	1.00	(17) DISP	11295	25050	
	SRSS	420	7		1.00	1.00	(18) OCC	2016	22211	
A32 F- Max P	GR + Max P	31	22		1.00	1.00	(18) SUST	2245	16700	
	Cold to T1	1578	31	63	1.00	1.00	(17) DISP	5895	25050	
	SRSS	373	40		1.00	1.00	(18) OCC	1801	22211	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE			(Stress in psi)		
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F In	S.I.F Out	Eq. Load no.	Code type	Code Stress	Code Allow.
A32 F+ Max P	GR + Max P	18	33		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	219	1563	63	1.00	1.00	(18) SUST	2245	16700	
	SRSS	51	372		1.00	1.00	(17) DISP	5895	25050	
					1.00	1.00	(18) OCC	1801	22211	
A33 Max P	GR + Max P	41	25		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	185	1168	63	1.00	1.00	(18) SUST	2295	16700	
	SRSS	51	358		1.00	1.00	(17) DISP	4422	25050	
					1.00	1.00	(18) OCC	1737	22211	
A34 Max P	GR + Max P	31	28		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	62	1411	63	1.00	1.00	(18) SUST	2264	16700	
	SRSS	12	359		1.00	1.00	(17) DISP	5277	25050	
					1.00	1.00	(18) OCC	1725	22211	
A35 N- Max P	GR + Max P	11	36		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	54	1807	63	1.00	1.00	(18) SUST	2244	16700	
	SRSS	10	375		1.00	1.00	(17) DISP	6752	25050	
					1.00	1.00	(18) OCC	1799	22211	
A35 N+ Max P	GR + Max P	36	11		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	1807	54	63	1.00	1.00	(18) SUST	2244	16700	
	SRSS	375	10		1.00	1.00	(17) DISP	6752	25050	
					1.00	1.00	(18) OCC	1799	22211	
A35 M Max P	GR + Max P	66	24		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	3248	43	23	1.00	1.00	(18) SUST	2399	16700	
	SRSS	451	8		1.00	1.00	(17) DISP	12126	25050	
					1.00	1.00	(18) OCC	2167	22211	
A35 F- Max P	GR + Max P	62	70		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	2990	8	2	1.00	1.00	(18) SUST	2511	16700	
	SRSS	395	1		1.00	1.00	(17) DISP	11160	25050	
					1.00	1.00	(18) OCC	1896	22211	
A35 F+ Max P	GR + Max P	70	62		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	8	2990	2	1.00	1.00	(18) SUST	2511	16700	
	SRSS	1	395		1.00	1.00	(17) DISP	11160	25050	
					1.00	1.00	(18) OCC	1896	22211	
A36 Max P	GR + Max P	100	58		1.00	1.00	(3a) HOOP	4844	16700	
	Cold to T1	1	2772	2	1.00	1.00	(18) SUST	2616	16700	
	SRSS	2	368		1.00	1.00	(17) DISP	10349	25050	
					1.00	1.00	(18) OCC	1766	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			S.I.F		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	In	Out	Eq. Load no.	Type		
A37	Max P	188	26		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	1526	2	1.00	1.00	(18) SUST	2971	16700	
	SRSS	0	418		1.00	1.00	(18) OCC	2008	22211	
A38	Max P	219	7		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	433	2	1.00	1.00	(18) SUST	3112	16700	
	SRSS	0	119		1.00	1.00	(17) DISP	1616	25050	
								570	22211	
A39 -	Max P	209	4		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	215	2	1.00	1.00	(18) SUST	3062	16700	
	SRSS	0	59		1.00	1.00	(17) DISP	804	25050	
								284	22211	
A39 +	Max P	360	7		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	345	0	1.00	1.00	(18) SUST	3788	16700	
	SRSS	42	0		1.00	1.00	(17) DISP	1289	25050	
								199	22211	
A40	Max P	87	14		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	694	0	1.00	1.00	(18) SUST	2478	16700	
	SRSS	84	0		1.00	1.00	(17) DISP	2591	25050	
								401	22211	
A41	Max P	1264	50		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	3226	0	1.00	1.00	(18) SUST	8128	16700	
	SRSS	294	0		1.00	1.00	(17) DISP	12042	25050	
								1412	22211	
A42	Max P	412	57		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	3989	0	1.00	1.00	(18) SUST	4055	16700	
	SRSS	134	0		1.00	1.00	(17) DISP	14892	25050	
								645	22211	
A43 N-	Max P	416	58		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	4062	0	1.00	1.00	(18) SUST	4076	16700	
	SRSS	135	0		1.00	1.00	(17) DISP	15163	25050	
								650	22211	
A43 N+	Max P	58	416		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	4062	0	1.00	1.00	(18) SUST	4076	16700	
	SRSS	0	135		1.00	1.00	(17) DISP	15163	25050	
								650	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			S.I.F		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	In	Out	Eq. Load no.	Type		
A43 M	Max P	65	506		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	4489	0	0	1.00	1.00	(18) SUST	4503	16700	
	SRSS	0	164		1.00	1.00	(17) DISP	16759	25050	
								785	22211	
A43 F-	Max P	60	488		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	4160	0	0	1.00	1.00	(18) SUST	4417	16700	
	SRSS	0	159		1.00	1.00	(17) DISP	15528	25050	
								763	22211	
A43 F+	Max P	488	60		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	4160	0	1.00	1.00	(18) SUST	4417	16700	
	SRSS	159	0		1.00	1.00	(17) DISP	15528	25050	
								763	22211	
A44	Max P	486	59		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	4094	0	1.00	1.00	(18) SUST	4409	16700	
	SRSS	159	0		1.00	1.00	(17) DISP	15285	25050	
								762	22211	
A45	Max P	1197	42		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	2890	0	1.00	1.00	(18) SUST	7807	16700	
	SRSS	258	0		1.00	1.00	(17) DISP	10788	25050	
								1240	22211	
A46	Max P	23	11		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	755	0	1.00	1.00	(18) SUST	2182	16700	
	SRSS	69	0		1.00	1.00	(17) DISP	2819	25050	
								331	22211	
A47	Max P	323	3		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	143	0	1.00	1.00	(18) SUST	3606	16700	
	SRSS	19	0		1.00	1.00	(17) DISP	532	25050	
								91	22211	
A48	Max P	216	1		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	51	0	1.00	1.00	(18) SUST	3092	16700	
	SRSS	5	0		1.00	1.00	(17) DISP	190	25050	
								26	22211	
A49 -	Max P	251	0		1.00	1.00	(3a) HOOP	4844	16700	
	GR + Max P Cold to T1	0	25	0	1.00	1.00	(18) SUST	3262	16700	
	SRSS	3	0		1.00	1.00	(17) DISP	94	25050	
								13	22211	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			S.I.F		(Stress in psi)		Code	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	In	Out	Eq. Load no.	type		
A49 +	Max P						(3a) HOOP	4844	16700	
	GR + Max P	239	0		1.00	1.00	(18) SUST	3211	16700	
	Cold to T1 SRSS	0	4	0	1.00	1.00	(17) DISP	14	25050	
							(18) OCC	8	22211	
A50	Max P						(3a) HOOP	4844	16700	
	GR + Max P	239	0		1.00	1.00	(18) SUST	3212	16700	
	Cold to T1 SRSS	0	7	0	1.00	1.00	(17) DISP	28	25050	
							(18) OCC	17	22211	
A51	Max P						(3a) HOOP	4844	16700	
	GR + Max P	239	0		1.00	1.00	(18) SUST	3207	16700	
	Cold to T1 SRSS	0	26	0	1.00	1.00	(17) DISP	97	25050	
							(18) OCC	59	22211	
A52	Max P						(3a) HOOP	4844	16700	
	GR + Max P	242	1		1.00	1.00	(18) SUST	3225	16700	
	Cold to T1 SRSS	0	97	0	1.00	1.00	(17) DISP	362	25050	
							(18) OCC	222	22211	
A53	Max P						(3a) HOOP	4844	16700	
	GR + Max P	228	5		1.00	1.00	(18) SUST	3160	16700	
	Cold to T1 SRSS	0	363	0	1.00	1.00	(17) DISP	1357	25050	
							(18) OCC	833	22211	
153	Max P						(3a) HOOP	4844	16700	
	GR + Max P	280	18		1.00	1.00	(18) SUST	3408	16700	
	Cold to T1 SRSS	0	1364	0	1.00	1.00	(17) DISP	5091	25050	
							(18) OCC	3126	22211	
A54	Max P						(3a) HOOP	4844	16700	
	GR + Max P	148	40		1.00	1.00	(18) SUST	2796	16700	
	Cold to T1 SRSS	0	3005	0	1.00	1.00	(17) DISP	11220	25050	
							(18) OCC	1601	22211	
A55 N-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	115	42		1.00	1.00	(18) SUST	2651	16700	
	Cold to T1 SRSS	0	3169	0	1.00	1.00	(17) DISP	11831	25050	
							(18) OCC	1714	22211	
A55 N+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	42	115		1.00	1.00	(18) SUST	2651	16700	
	Cold to T1 SRSS	3169	0	0	1.00	1.00	(17) DISP	11831	25050	
							(18) OCC	1714	22211	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			S.I.F		(Stress in psi)		Code	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	In	Out	Eq. Load no.	type		
A55 M	Max P						(3a) HOOP	4844	16700	
	GR + Max P	45	1		1.00	1.00	(18) SUST	2276	16700	
	Cold to T1 SRSS	3389	0	0	1.00	1.00	(17) DISP	12652	25050	
							(18) OCC	2189	22211	
A55 F-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	31	2		1.00	1.00	(18) SUST	2214	16700	
	Cold to T1 SRSS	2365	0	0	1.00	1.00	(17) DISP	8830	25050	
							(18) OCC	2349	22211	
A55 F+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	2	31		1.00	1.00	(18) SUST	2214	16700	
	Cold to T1 SRSS	0	2365	0	1.00	1.00	(17) DISP	8830	25050	
							(18) OCC	2349	22211	
A56	Max P						(3a) HOOP	4844	16700	
	GR + Max P	16	27		1.00	1.00	(18) SUST	2216	16700	
	Cold to T1 SRSS	0	2082	0	1.00	1.00	(17) DISP	7771	25050	
							(18) OCC	2352	22211	
156	Max P						(3a) HOOP	4844	16700	
	GR + Max P	13	28		1.00	1.00	(18) SUST	2210	16700	
	Cold to T1 SRSS	0	2109	0	1.00	1.00	(17) DISP	7872	25050	
							(18) OCC	2300	22211	
A57 N-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	5	31		1.00	1.00	(18) SUST	2217	16700	
	Cold to T1 SRSS	0	2392	0	1.00	1.00	(17) DISP	8931	25050	
							(18) OCC	2290	22211	
A57 N+	Max P						(3a) HOOP	4844	16700	
	GR + Max P	31	5		1.00	1.00	(18) SUST	2217	16700	
	Cold to T1 SRSS	2392	0	0	1.00	1.00	(17) DISP	8931	25050	
							(18) OCC	2290	22211	
A57 M	Max P						(3a) HOOP	4844	16700	
	GR + Max P	45	2		1.00	1.00	(18) SUST	2278	16700	
	Cold to T1 SRSS	3416	0	0	1.00	1.00	(17) DISP	12752	25050	
							(18) OCC	2116	22211	
A57 F-	Max P						(3a) HOOP	4844	16700	
	GR + Max P	42	117		1.00	1.00	(18) SUST	2661	16700	
	Cold to T1 SRSS	3196	0	0	1.00	1.00	(17) DISP	11932	25050	
							(18) OCC	1671	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A57 F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	117	42		1.00	1.00	(18) SUST	2661	16700
	Cold to T1	0	3196	0	1.00	1.00	(17) DISP	11932	25050
	SRSS	0	348		1.00	1.00	(18) OCC	1671	22211
A58	Max P						(3a) HOOP	4844	16700
	GR + Max P	150	40		1.00	1.00	(18) SUST	2807	16700
	Cold to T1	0	3032	0	1.00	1.00	(17) DISP	11320	25050
	SRSS	0	327		1.00	1.00	(18) OCC	1567	22211
A59	Max P						(3a) HOOP	4844	16700
	GR + Max P	295	19		1.00	1.00	(18) SUST	3481	16700
	Cold to T1	0	1399	0	1.00	1.00	(17) DISP	5224	25050
	SRSS	0	627		1.00	1.00	(18) OCC	3008	22211
A60	Max P						(3a) HOOP	4844	16700
	GR + Max P	253	5		1.00	1.00	(18) SUST	3275	16700
	Cold to T1	0	373	0	1.00	1.00	(17) DISP	1393	25050
	SRSS	0	167		1.00	1.00	(18) OCC	802	22211
A61	Max P						(3a) HOOP	4844	16700
	GR + Max P	264	1		1.00	1.00	(18) SUST	3329	16700
	Cold to T1	0	100	0	1.00	1.00	(17) DISP	371	25050
	SRSS	0	45		1.00	1.00	(18) OCC	214	22211
A62	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3315	16700
	Cold to T1	0	27	0	1.00	1.00	(17) DISP	99	25050
	SRSS	0	12		1.00	1.00	(18) OCC	57	22211
A63	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3319	16700
	Cold to T1	0	7	0	1.00	1.00	(17) DISP	26	25050
	SRSS	0	3		1.00	1.00	(18) OCC	15	22211
A64	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	2	0	1.00	1.00	(17) DISP	7	25050
	SRSS	0	1		1.00	1.00	(18) OCC	4	22211
A65	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	1	0	1.00	1.00	(17) DISP	2	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A66	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	0	0	1.00	1.00	(17) DISP	1	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A66	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	0	8	1.00	1.00	(17) DISP	30	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A67	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	1	8	1.00	1.00	(17) DISP	30	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A68	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3317	16700
	Cold to T1	0	2	8	1.00	1.00	(17) DISP	31	25050
	SRSS	0	1		1.00	1.00	(18) OCC	4	22211
A69	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	8	8	1.00	1.00	(17) DISP	42	25050
	SRSS	0	3		1.00	1.00	(18) OCC	16	22211
A70	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3314	16700
	Cold to T1	0	29	8	1.00	1.00	(17) DISP	113	25050
	SRSS	0	12		1.00	1.00	(18) OCC	59	22211
A71	Max P						(3a) HOOP	4844	16700
	GR + Max P	264	1		1.00	1.00	(18) SUST	3329	16700
	Cold to T1	1	110	8	1.00	1.00	(17) DISP	411	25050
	SRSS	0	46		1.00	1.00	(18) OCC	220	22211
A72	Max P						(3a) HOOP	4844	16700
	GR + Max P	253	6		1.00	1.00	(18) SUST	3275	16700
	Cold to T1	5	412	8	1.00	1.00	(17) DISP	1539	25050
	SRSS	0	172		1.00	1.00	(18) OCC	826	22211
A73	Max P						(3a) HOOP	4844	16700
	GR + Max P	295	21		1.00	1.00	(18) SUST	3483	16700
	Cold to T1	19	1546	8	1.00	1.00	(17) DISP	5770	25050
	SRSS	0	645		1.00	1.00	(18) OCC	3096	22211

L2144838

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A74	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	149	45		1.00	1.00	(18)	SUST 2809 16700	
	Cold to T1 SRSS	72 1	3432 336	8	1.00	1.00	(17) (18)	DISP 12815 25050 OCC 1614 22211	
A75 N-	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	116	47		1.00	1.00	(18)	SUST 2662 16700	
	Cold to T1 SRSS	126 1	3616 359	8	1.00	1.00	(17) (18)	DISP 13507 25050 OCC 1722 22211	
A75 N+	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	35	120		1.00	1.00	(18)	SUST 2662 16700	
	Cold to T1 SRSS	3611 357	235 35	8	1.00	1.00	(17) (18)	DISP 13507 25050 OCC 1722 22211	
A75 M	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	48	1		1.00	1.00	(18)	SUST 2293 16700	
	Cold to T1 SRSS	3873 454	6 28	92	1.00	1.00	(17) (18)	DISP 14463 25050 OCC 2181 22211	
A75 F-	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	33	8		1.00	1.00	(18)	SUST 2226 16700	
	Cold to T1 SRSS	2719 489	227 1	0	1.00	1.00	(17) (18)	DISP 10186 25050 OCC 2345 22211	
A75 F+	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	8	33		1.00	1.00	(18)	SUST 2226 16700	
	Cold to T1 SRSS	227 1	2719 489	0	1.00	1.00	(17) (18)	DISP 10186 25050 OCC 2345 22211	
A76	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	10	29		1.00	1.00	(18)	SUST 2210 16700	
	Cold to T1 SRSS	263 1	2385 490	0	1.00	1.00	(17) (18)	DISP 8959 25050 OCC 2352 22211	
I76	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	18	34		1.00	1.00	(18)	SUST 2248 16700	
	Cold to T1 SRSS	263 1	2385 490	0	1.00	1.00	(17) (18)	DISP 8959 25050 OCC 2352 22211	
A77 N-	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	1	39		1.00	1.00	(18)	SUST 2249 16700	
	Cold to T1 SRSS	227 1	2719 489	0	1.00	1.00	(17) (18)	DISP 10186 25050 OCC 2345 22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A77 N+	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	39	1		1.00	1.00	(18)	SUST 2249 16700	
	Cold to T1 SRSS	2719 489	227 1	0	1.00	1.00	(17) (18)	DISP 10186 25050 OCC 2345 22211	
A77 M	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	54	2		1.00	1.00	(18)	SUST 2319 16700	
	Cold to T1 SRSS	3873 454	6 28	92	1.00	1.00	(17) (18)	DISP 14463 25050 OCC 2181 22211	
A77 F-	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	59	114		1.00	1.00	(18)	SUST 2677 16700	
	Cold to T1 SRSS	3611 357	235 35	8	1.00	1.00	(17) (18)	DISP 13507 25050 OCC 1722 22211	
A77 F+	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	119	48		1.00	1.00	(18)	SUST 2677 16700	
	Cold to T1 SRSS	126 1	3616 359	8	1.00	1.00	(17) (18)	DISP 13507 25050 OCC 1722 22211	
A78	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	151	45		1.00	1.00	(18)	SUST 2817 16700	
	Cold to T1 SRSS	72 1	3432 336	8	1.00	1.00	(17) (18)	DISP 12815 25050 OCC 1614 22211	
A79	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	295	20		1.00	1.00	(18)	SUST 3480 16700	
	Cold to T1 SRSS	19 0	1546 645	8	1.00	1.00	(17) (18)	DISP 5770 25050 OCC 3096 22211	
A80	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	253	5		1.00	1.00	(18)	SUST 3275 16700	
	Cold to T1 SRSS	5 0	412 172	8	1.00	1.00	(17) (18)	DISP 1539 25050 OCC 826 22211	
A81	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	264	1		1.00	1.00	(18)	SUST 3329 16700	
	Cold to T1 SRSS	1 0	110 46	8	1.00	1.00	(17) (18)	DISP 411 25050 OCC 220 22211	
A82	Max P				(3a)	HOOP	4844	16700	
	GR + Max P	261	0		1.00	1.00	(18)	SUST 3315 16700	
	Cold to T1 SRSS	0 0	29 12	8	1.00	1.00	(17) (18)	DISP 113 25050 OCC 59 22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F In	S.I.F Out	Eq. Load no. type		
A83	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	8	8	1.00	1.00	(17) DISP	42	25050
	SRSS	0	3		1.00	1.00	(18) OCC	16	22211
A84	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3317	16700
	Cold to T1	0	2	8	1.00	1.00	(17) DISP	31	25050
	SRSS	0	1		1.00	1.00	(18) OCC	4	22211
A85	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	1	8	1.00	1.00	(17) DISP	30	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A86 -	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3318	16700
	Cold to T1	0	0	8	1.00	1.00	(17) DISP	30	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A86 +	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3319	16700
	Cold to T1	0	12	0	1.00	1.00	(17) DISP	46	25050
	SRSS	0	0		1.00	1.00	(18) OCC	1	22211
A87	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3319	16700
	Cold to T1	0	25	0	1.00	1.00	(17) DISP	92	25050
	SRSS	0	0		1.00	1.00	(18) OCC	2	22211
A88	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3319	16700
	Cold to T1	0	86	0	1.00	1.00	(17) DISP	323	25050
	SRSS	0	1		1.00	1.00	(18) OCC	7	22211
A89	Max P						(3a) HOOP	4844	16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	3320	16700
	Cold to T1	0	65	0	1.00	1.00	(17) DISP	242	25050
	SRSS	0	5		1.00	1.00	(18) OCC	25	22211
A90	Max P						(3a) HOOP	4844	16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	3315	16700
	Cold to T1	0	4	0	1.00	1.00	(17) DISP	16	25050
	SRSS	0	19		1.00	1.00	(18) OCC	93	22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F In	S.I.F Out	Eq. Load no. type		
A91	Max P						(3a) HOOP	4844	16700
	GR + Max P	265	1		1.00	1.00	(18) SUST	3334	16700
	Cold to T1	0	43	0	1.00	1.00	(17) DISP	162	25050
	SRSS	0	73		1.00	1.00	(18) OCC	350	22211
A92	Max P						(3a) HOOP	4844	16700
	GR + Max P	250	3		1.00	1.00	(18) SUST	3265	16700
	Cold to T1	0	174	0	1.00	1.00	(17) DISP	651	25050
	SRSS	0	273		1.00	1.00	(18) OCC	1313	22211
A93	Max P						(3a) HOOP	4844	16700
	GR + Max P	304	12		1.00	1.00	(18) SUST	3525	16700
	Cold to T1	0	653	0	1.00	1.00	(17) DISP	2438	25050
	SRSS	0	1026		1.00	1.00	(18) OCC	4923	22211
A94	Max P						(3a) HOOP	4844	16700
	GR + Max P	115	25		1.00	1.00	(18) SUST	2628	16700
	Cold to T1	0	1532	0	1.00	1.00	(17) DISP	5718	25050
	SRSS	0	679		1.00	1.00	(18) OCC	3258	22211
A95 N-	Max P						(3a) HOOP	4844	16700
	GR + Max P	86	26		1.00	1.00	(18) SUST	2494	16700
	Cold to T1	0	1612	0	1.00	1.00	(17) DISP	6019	25050
	SRSS	0	728		1.00	1.00	(18) OCC	3496	22211
A95 N+	Max P						(3a) HOOP	4844	16700
	GR + Max P	26	86		1.00	1.00	(18) SUST	2494	16700
	Cold to T1	1612	0	0	1.00	1.00	(17) DISP	6019	25050
	SRSS	728	0		1.00	1.00	(18) OCC	3496	22211
A95 M	Max P						(3a) HOOP	4844	16700
	GR + Max P	28	7		1.00	1.00	(18) SUST	2201	16700
	Cold to T1	1722	0	0	1.00	1.00	(17) DISP	6427	25050
	SRSS	869	0		1.00	1.00	(18) OCC	4173	22211
A95 F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	19	19		1.00	1.00	(18) SUST	2194	16700
	Cold to T1	1219	0	0	1.00	1.00	(17) DISP	4551	25050
	SRSS	757	0		1.00	1.00	(18) OCC	3635	22211
A95 F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	19	19		1.00	1.00	(18) SUST	2194	16700
	Cold to T1	0	1219	0	1.00	1.00	(17) DISP	4551	25050
	SRSS	0	757		1.00	1.00	(18) OCC	3635	22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)				Code Stress	Code Allow.	
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F		Eq. Load no.	Code type			
					In	Out					
A96	Max P							(3a)	HOOP	4844	16700
	GR + Max P	40	17		1.00	1.00		(18)	SUST	2275	16700
	Cold to T1	0	1080	0	1.00	1.00	(17)	DISP	4031	25050	
	SRSS	0	717		1.00	1.00	(18)	OCC	3440	22211	
A97	Max P							(3a)	HOOP	4844	16700
	GR + Max P	227	36		1.00	1.00	(18)	SUST	3169	16700	
	Cold to T1	0	2076	0	1.00	1.00	(17)	DISP	7750	25050	
	SRSS	0	236		1.00	1.00	(18)	OCC	1135	22211	
A98	Max P							(3a)	HOOP	4844	16700
	GR + Max P	225	31		1.00	1.00	(18)	SUST	3155	16700	
	Cold to T1	0	1675	0	1.00	1.00	(17)	DISP	6253	25050	
	SRSS	0	260		1.00	1.00	(18)	OCC	1246	22211	
A99	Max P							(3a)	HOOP	4844	16700
	GR + Max P	47	16		1.00	1.00	(18)	SUST	2302	16700	
	Cold to T1	0	1012	0	1.00	1.00	(17)	DISP	3779	25050	
	SRSS	0	758		1.00	1.00	(18)	OCC	3638	22211	
A100N-	Max P							(3a)	HOOP	4844	16700
	GR + Max P	25	18		1.00	1.00	(18)	SUST	2213	16700	
	Cold to T1	0	1131	0	1.00	1.00	(17)	DISP	4221	25050	
	SRSS	0	801		1.00	1.00	(18)	OCC	3847	22211	
A100N+	Max P							(3a)	HOOP	4844	16700
	GR + Max P	18	25		1.00	1.00	(18)	SUST	2213	16700	
	Cold to T1	1131	0	0	1.00	1.00	(17)	DISP	4221	25050	
	SRSS	801	0		1.00	1.00	(18)	OCC	3847	22211	
A100M	Max P							(3a)	HOOP	4844	16700
	GR + Max P	25	6		1.00	1.00	(18)	SUST	2188	16700	
	Cold to T1	1535	0	0	1.00	1.00	(17)	DISP	5731	25050	
	SRSS	914	0		1.00	1.00	(18)	OCC	4389	22211	
A100F-	Max P							(3a)	HOOP	4844	16700
	GR + Max P	23	81		1.00	1.00	(18)	SUST	2457	16700	
	Cold to T1	1385	0	0	1.00	1.00	(17)	DISP	5171	25050	
	SRSS	749	0		1.00	1.00	(18)	OCC	3595	22211	
A100F+	Max P							(3a)	HOOP	4844	16700
	GR + Max P	81	23		1.00	1.00	(18)	SUST	2467	16700	
	Cold to T1	0	1385	0	1.00	1.00	(17)	DISP	5171	25050	
	SRSS	0	749		1.00	1.00	(18)	OCC	3595	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)				Code Stress	Code Allow.	
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F		Eq. Load no.	Code type			
					In	Out					
A101	Max P							(3a)	HOOP	4844	16700
	GR + Max P	109	21		1.00	1.00	(18)	SUST	2598	16700	
	Cold to T1	0	1304	0	1.00	1.00	(17)	DISP	4870	25050	
	SRSS	0	693		1.00	1.00	(18)	OCC	3327	22211	
A102	Max P							(3a)	HOOP	4844	16700
	GR + Max P	274	14		1.00	1.00	(18)	SUST	3383	16700	
	Cold to T1	0	809	0	1.00	1.00	(17)	DISP	3019	25050	
	SRSS	0	1104		1.00	1.00	(18)	OCC	5299	22211	
A103	Max P							(3a)	HOOP	4844	16700
	GR + Max P	207	4		1.00	1.00	(18)	SUST	3056	16700	
	Cold to T1	0	189	0	1.00	1.00	(17)	DISP	705	25050	
	SRSS	0	294		1.00	1.00	(18)	OCC	1412	22211	
A104	Max P							(3a)	HOOP	4844	16700
	GR + Max P	225	1		1.00	1.00	(18)	SUST	3142	16700	
	Cold to T1	0	49	0	1.00	1.00	(17)	DISP	185	25050	
	SRSS	0	78		1.00	1.00	(18)	OCC	376	22211	
A105	Max P							(3a)	HOOP	4844	16700
	GR + Max P	220	0		1.00	1.00	(18)	SUST	3119	16700	
	Cold to T1	0	121	0	1.00	1.00	(17)	DISP	450	25050	
	SRSS	0	21		1.00	1.00	(18)	OCC	101	22211	
A106	Max P							(3a)	HOOP	4844	16700
	GR + Max P	221	0		1.00	1.00	(18)	SUST	3126	16700	
	Cold to T1	0	34	0	1.00	1.00	(17)	DISP	128	25050	
	SRSS	0	6		1.00	1.00	(18)	OCC	29	22211	
A107 -	Max P							(3a)	HOOP	4844	16700
	GR + Max P	221	0		1.00	1.00	(18)	SUST	3123	16700	
	Cold to T1	0	17	0	1.00	1.00	(17)	DISP	64	25050	
	SRSS	0	3		1.00	1.00	(18)	OCC	14	22211	
A107 +	Max P							(3a)	HOOP	4844	16700
	GR + Max P	224	0		1.00	1.00	(18)	SUST	3137	16700	
	Cold to T1	9	1	19	1.00	1.00	(17)	DISP	80	25050	
	SRSS	0	2		1.00	1.00	(18)	OCC	2	22211	
A108	Max P							(3a)	HOOP	4844	16700
	GR + Max P	215	0		1.00	1.00	(18)	SUST	3098	16700	
	Cold to T1	19	3	19	1.00	1.00	(17)	DISP	101	25050	
	SRSS	0	1		1.00	1.00	(18)	OCC	4	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A109	Max P						(3a) HOOP	4844	16700
	GR + Max P	240	0		1.00	1.00	(18) SUST	3217	16700
	Cold to T1	66	10	19	1.00	1.00	(17) DISP	258	25050
	SRSS	0	3		1.00	1.00	(18) OCC	15	22211
A110	Max P						(3a) HOOP	4844	16700
	GR + Max P	148	0		1.00	1.00	(18) SUST	2777	16700
	Cold to T1	245	38	19	1.00	1.00	(17) DISP	929	25050
	SRSS	0	12		1.00	1.00	(18) OCC	57	22211
A111	Max P						(3a) HOOP	4844	16700
	GR + Max P	86	2		1.00	1.00	(18) SUST	2477	16700
	Cold to T1	72	136	11	1.00	1.00	(17) DISP	575	25050
	SRSS	1	49		1.00	1.00	(18) OCC	235	22211
A112	Max P						(3a) HOOP	4844	16700
	GR + Max P	120	2		1.00	1.00	(18) SUST	2638	16700
	Cold to T1	280	233	11	1.00	1.00	(17) DISP	1360	25050
	SRSS	0	83		1.00	1.00	(18) OCC	400	22211
I112	Max P						(3a) HOOP	4844	16700
	GR + Max P	184	3		1.00	1.00	(18) SUST	2949	16700
	Cold to T1	107	293	11	1.00	1.00	(17) DISP	1166	25050
	SRSS	1	231		1.00	1.00	(18) OCC	1111	22211
I113	Max P						(3a) HOOP	4844	16700
	GR + Max P	214	9		1.00	1.00	(18) SUST	3092	16700
	Cold to T1	150	646	11	1.00	1.00	(17) DISP	2476	25050
	SRSS	5	848		1.00	1.00	(18) OCC	4070	22211
A113	Max P						(3a) HOOP	4844	16700
	GR + Max P	36	25		1.00	1.00	(18) SUST	2274	16700
	Cold to T1	55	1760	3	1.00	1.00	(17) DISP	6574	25050
	SRSS	20	284		1.00	1.00	(18) OCC	1366	22211
A114N-	Max P						(3a) HOOP	4844	16700
	GR + Max P	20	27		1.00	1.00	(18) SUST	2225	16700
	Cold to T1	52	1870	3	1.00	1.00	(17) DISP	6983	25050
	SRSS	17	325		1.00	1.00	(18) OCC	1562	22211
A114N+	Max P						(3a) HOOP	4844	16700
	GR + Max P	27	20		1.00	1.00	(18) SUST	2225	16700
	Cold to T1	1870	52	3	1.00	1.00	(17) DISP	6983	25050
	SRSS	325	17		1.00	1.00	(18) OCC	1562	22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A114M	Max P						(3a) HOOP	4844	16700
	GR + Max P	31	14		1.00	1.00	(18) SUST	2224	16700
	Cold to T1	2122	20	33	1.00	1.00	(17) DISP	7923	25050
	SRSS	499	1		1.00	1.00	(18) OCC	2394	22211
A114F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	31	114		1.00	1.00	(18) SUST	2629	16700
	Cold to T1	1702	23	31	1.00	1.00	(17) DISP	6354	25050
	SRSS	547	15		1.00	1.00	(18) OCC	2629	22211
A114F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	115	24		1.00	1.00	(18) SUST	2629	16700
	Cold to T1	122	1697	31	1.00	1.00	(17) DISP	6354	25050
	SRSS	16	547		1.00	1.00	(18) OCC	2629	22211
A115	Max P						(3a) HOOP	4844	16700
	GR + Max P	150	22		1.00	1.00	(18) SUST	2793	16700
	Cold to T1	117	1564	31	1.00	1.00	(17) DISP	5856	25050
	SRSS	13	544		1.00	1.00	(18) OCC	2613	22211
A116	Max P						(3a) HOOP	4844	16700
	GR + Max P	93	24		1.00	1.00	(18) SUST	2524	16700
	Cold to T1	40	1751	31	1.00	1.00	(17) DISP	6541	25050
	SRSS	5	385		1.00	1.00	(18) OCC	1849	22211
A117N-	Max P						(3a) HOOP	4844	16700
	GR + Max P	65	26		1.00	1.00	(18) SUST	2400	16700
	Cold to T1	35	1885	31	1.00	1.00	(17) DISP	7038	25050
	SRSS	4	376		1.00	1.00	(18) OCC	1805	22211
A117N+	Max P						(3a) HOOP	4844	16700
	GR + Max P	26	65		1.00	1.00	(18) SUST	2400	16700
	Cold to T1	1885	35	31	1.00	1.00	(17) DISP	7038	25050
	SRSS	376	4		1.00	1.00	(18) OCC	1805	22211
A117M	Max P						(3a) HOOP	4844	16700
	GR + Max P	32	14		1.00	1.00	(18) SUST	2232	16700
	Cold to T1	2305	22	8	1.00	1.00	(17) DISP	8605	25050
	SRSS	317	3		1.00	1.00	(18) OCC	1523	22211
A117F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	28	70		1.00	1.00	(18) SUST	2428	16700
	Cold to T1	2053	4	0	1.00	1.00	(17) DISP	7663	25050
	SRSS	238	0		1.00	1.00	(18) OCC	1144	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Code type		
A117F+	Max P						(3a)	HOOP	4844	16700
	GR + Max P	70	28		1.00	1.00	(18)	SUST	2428	16700
	Cold to T1	4	2053	0	1.00	1.00	(17)	DISP	7663	25050
	SRSS	0	238		1.00	1.00	(18)	OCC	1144	22211
A118	Max P						(3a)	HOOP	4844	16700
	GR + Max P	95	27		1.00	1.00	(18)	SUST	2527	16700
	Cold to T1	9	1944	0	1.00	1.00	(17)	DISP	7258	25050
	SRSS	1	223		1.00	1.00	(18)	OCC	1070	22211
A119	Max P						(3a)	HOOP	4844	16700
	GR + Max P	329	16		1.00	1.00	(18)	SUST	3644	16700
	Cold to T1	2	1055	0	1.00	1.00	(17)	DISP	3937	25050
	SRSS	0	580		1.00	1.00	(18)	OCC	2783	22211
A120	Max P						(3a)	HOOP	4844	16700
	GR + Max P	269	4		1.00	1.00	(18)	SUST	3355	16700
	Cold to T1	1	351	0	1.00	1.00	(17)	DISP	1309	25050
	SRSS	0	155		1.00	1.00	(18)	OCC	742	22211
A121	Max P						(3a)	HOOP	4844	16700
	GR + Max P	285	1		1.00	1.00	(18)	SUST	3432	16700
	Cold to T1	0	158	0	1.00	1.00	(17)	DISP	591	25050
	SRSS	0	41		1.00	1.00	(18)	OCC	198	22211
A122	Max P						(3a)	HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18)	SUST	3411	16700
	Cold to T1	0	42	0	1.00	1.00	(17)	DISP	158	25050
	SRSS	0	11		1.00	1.00	(18)	OCC	53	22211
A123	Max P						(3a)	HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18)	SUST	3417	16700
	Cold to T1	0	11	0	1.00	1.00	(17)	DISP	42	25050
	SRSS	0	3		1.00	1.00	(18)	OCC	14	22211
A124	Max P						(3a)	HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18)	SUST	3415	16700
	Cold to T1	0	3	0	1.00	1.00	(17)	DISP	12	25050
	SRSS	0	1		1.00	1.00	(18)	OCC	4	22211
A125	Max P						(3a)	HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18)	SUST	3416	16700
	Cold to T1	0	2	0	1.00	1.00	(17)	DISP	6	25050
	SRSS	0	0		1.00	1.00	(18)	OCC	2	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Code type		
A125 +	Max P						(3a)	HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18)	SUST	3415	16700
	Cold to T1	0	1	7	1.00	1.00	(17)	DISP	26	25050
	SRSS	0	1		1.00	1.00	(18)	OCC	2	22211
A126	Max P						(3a)	HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18)	SUST	3414	16700
	Cold to T1	0	1	7	1.00	1.00	(17)	DISP	26	25050
	SRSS	0	1		1.00	1.00	(18)	OCC	5	22211
A127	Max P						(3a)	HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18)	SUST	3416	16700
	Cold to T1	0	4	7	1.00	1.00	(17)	DISP	30	25050
	SRSS	0	4		1.00	1.00	(18)	OCC	18	22211
A128	Max P						(3a)	HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18)	SUST	3411	16700
	Cold to T1	0	15	7	1.00	1.00	(17)	DISP	61	25050
	SRSS	0	14		1.00	1.00	(18)	OCC	66	22211
A129	Max P						(3a)	HOOP	4844	16700
	GR + Max P	284	1		1.00	1.00	(18)	SUST	3427	16700
	Cold to T1	1	55	7	1.00	1.00	(17)	DISP	207	25050
	SRSS	0	51		1.00	1.00	(18)	OCC	246	22211
A130	Max P						(3a)	HOOP	4844	16700
	GR + Max P	272	4		1.00	1.00	(18)	SUST	3368	16700
	Cold to T1	4	206	7	1.00	1.00	(17)	DISP	770	25050
	SRSS	0	192		1.00	1.00	(18)	OCC	922	22211
A131	Max P						(3a)	HOOP	4844	16700
	GR + Max P	318	16		1.00	1.00	(18)	SUST	3592	16700
	Cold to T1	16	1027	7	1.00	1.00	(17)	DISP	3836	25050
	SRSS	0	720		1.00	1.00	(18)	OCC	3455	22211
A132	Max P						(3a)	HOOP	4844	16700
	GR + Max P	133	34		1.00	1.00	(18)	SUST	2722	16700
	Cold to T1	58	2544	7	1.00	1.00	(17)	DISP	950	25050
	SRSS	1	352		1.00	1.00	(18)	OCC	1689	22211
A133N-	Max P						(3a)	HOOP	4844	16700
	GR + Max P	103	36		1.00	1.00	(18)	SUST	2589	16700
	Cold to T1	96	2673	7	1.00	1.00	(17)	DISP	9986	25050
	SRSS	0	377		1.00	1.00	(18)	OCC	1809	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE (Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A133N+	Max P						(3a) HOOP	4844	16700
	GR + Max P	26	106		1.00	1.00	(18) SUST	2589	16700
	Cold to T1	2670	165	7	1.00	1.00	(17) DISP	9986	25050
	SRSS	375	37		1.00	1.00	(18) OCC	1809	22211
A133M	Max P						(3a) HOOP	4844	16700
	GR + Max P	36	7		1.00	1.00	(18) SUST	2240	16700
	Cold to T1	2890	5	63	1.00	1.00	(17) DISP	10792	25050
	SRSS	483	29		1.00	1.00	(18) OCC	2325	22211
A133F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	26	18		1.00	1.00	(18) SUST	2214	16700
	Cold to T1	2168	158	0	1.00	1.00	(17) DISP	8116	25050
	SRSS	525	2		1.00	1.00	(18) OCC	2521	22211
A133F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	18	26		1.00	1.00	(18) SUST	2214	16700
	Cold to T1	158	2168	0	1.00	1.00	(17) DISP	8116	25050
	SRSS	2	525		1.00	1.00	(18) OCC	2521	22211
A134	Max P						(3a) HOOP	4844	16700
	GR + Max P	39	23		1.00	1.00	(18) SUST	2283	16700
	Cold to T1	183	1954	0	1.00	1.00	(17) DISP	7328	25050
	SRSS	1	527		1.00	1.00	(18) OCC	2530	22211
I134	Max P						(3a) HOOP	4844	16700
	GR + Max P	44	31		1.00	1.00	(18) SUST	2322	16700
	Cold to T1	183	1955	0	1.00	1.00	(17) DISP	7328	25050
	SRSS	1	527		1.00	1.00	(18) OCC	2528	22211
A135N-	Max P						(3a) HOOP	4844	16700
	GR + Max P	22	33		1.00	1.00	(18) SUST	2256	16700
	Cold to T1	158	2169	0	1.00	1.00	(17) DISP	8118	25050
	SRSS	2	525		1.00	1.00	(18) OCC	2519	22211
A135N+	Max P						(3a) HOOP	4844	16700
	GR + Max P	33	22		1.00	1.00	(18) SUST	2256	16700
	Cold to T1	2169	158	0	1.00	1.00	(17) DISP	8118	25050
	SRSS	525	2		1.00	1.00	(18) OCC	2519	22211
A135M	Max P						(3a) HOOP	4844	16700
	GR + Max P	42	7		1.00	1.00	(18) SUST	2269	16700
	Cold to T1	2891	5	63	1.00	1.00	(17) DISP	10795	25050
	SRSS	483	29		1.00	1.00	(18) OCC	2322	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE (Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A135F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	47	102		1.00	1.00	(18) SUST	2602	16700
	Cold to T1	2671	165	7	1.00	1.00	(17) DISP	9988	25050
	SRSS	375	36		1.00	1.00	(18) OCC	1807	22211
A135F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	106	36		1.00	1.00	(18) SUST	2602	16700
	Cold to T1	96	2674	7	1.00	1.00	(17) DISP	9988	25050
	SRSS	0	376		1.00	1.00	(18) OCC	1807	22211
A136	Max P						(3a) HOOP	4844	16700
	GR + Max P	135	35		1.00	1.00	(18) SUST	2731	16700
	Cold to T1	58	2545	7	1.00	1.00	(17) DISP	9502	25050
	SRSS	1	352		1.00	1.00	(18) OCC	1688	22211
A137	Max P						(3a) HOOP	4844	16700
	GR + Max P	318	15		1.00	1.00	(18) SUST	3591	16700
	Cold to T1	16	1029	7	1.00	1.00	(17) DISP	3843	25050
	SRSS	0	719		1.00	1.00	(18) OCC	3452	22211
A138	Max P						(3a) HOOP	4844	16700
	GR + Max P	272	4		1.00	1.00	(18) SUST	3368	16700
	Cold to T1	4	207	7	1.00	1.00	(17) DISP	772	25050
	SRSS	0	192		1.00	1.00	(18) OCC	921	22211
A139	Max P						(3a) HOOP	4844	16700
	GR + Max P	284	1		1.00	1.00	(18) SUST	3427	16700
	Cold to T1	1	55	7	1.00	1.00	(17) DISP	208	25050
	SRSS	0	51		1.00	1.00	(18) OCC	246	22211
A140	Max P						(3a) HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18) SUST	3411	16700
	Cold to T1	0	15	7	1.00	1.00	(17) DISP	51	25050
	SRSS	0	14		1.00	1.00	(18) OCC	66	22211
A141	Max P						(3a) HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18) SUST	3416	16700
	Cold to T1	0	4	7	1.00	1.00	(17) DISP	30	25050
	SRSS	0	4		1.00	1.00	(18) OCC	18	22211
A142	Max P						(3a) HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18) SUST	3414	16700
	Cold to T1	0	1	7	1.00	1.00	(17) DISP	26	25050
	SRSS	0	1		1.00	1.00	(18) OCC	5	22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE			(Stress in psi)		
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Code type	Code Stress	Code Allow.
A143 - Max P	GR + Max P	282	0		1.00	1.00	(18) SU	(3a) HOOP	4844	16700
	Cold to T1	0	1	7	1.00	1.00	(17) DIS	(18) SU	26	25050
	SRSS	0	1		1.00	1.00	(18) OCC	(18) OCC	2	22211
A143 + Max P	GR + Max P	282	0		1.00	1.00	(18) SU	(3a) HOOP	4844	16700
	Cold to T1	0	15	0	1.00	1.00	(17) DIS	(18) SU	57	25050
	SRSS	0	0		1.00	1.00	(18) OCC	(18) OCC	2	22211
A144	Max P							(3a) HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18) SU	(18) SU	3415	16700
	Cold to T1	0	31	0	1.00	1.00	(17) DIS	(17) DIS	114	25050
A145	Max P							(3a) HOOP	4844	16700
	GR + Max P	282	0		1.00	1.00	(18) SU	(18) SU	3417	16700
	Cold to T1	0	107	0	1.00	1.00	(17) DIS	(17) DIS	401	25050
A146	Max P							(3a) HOOP	4844	16700
	GR + Max P	281	0		1.00	1.00	(18) SU	(18) SU	3411	16700
	Cold to T1	0	101	0	1.00	1.00	(17) DIS	(17) DIS	379	25050
A147	Max P							(3a) HOOP	4844	16700
	GR + Max P	285	1		1.00	1.00	(18) SU	(18) SU	3432	16700
	Cold to T1	0	102	0	1.00	1.00	(17) DIS	(17) DIS	379	25050
A148	Max P							(3a) HOOP	4844	16700
	GR + Max P	269	5		1.00	1.00	(18) SU	(18) SU	3354	16700
	Cold to T1	0	307	0	1.00	1.00	(17) DIS	(17) DIS	1145	25050
A149	Max P							(3a) HOOP	4844	16700
	GR + Max P	330	18		1.00	1.00	(18) SU	(18) SU	3651	16700
	Cold to T1	0	1130	0	1.00	1.00	(17) DIS	(17) DIS	4218	25050
A150	Max P							(3a) HOOP	4844	16700
	GR + Max P	89	23		1.00	1.00	(18) SU	(18) SU	2508	16700
	Cold to T1	0	1549	0	1.00	1.00	(17) DIS	(17) DIS	5783	25050
A151	Max P							(3a) HOOP	4844	16700
	GR + Max P	89	23		1.00	1.00	(18) SU	(18) SU	2508	16700
	Cold to T1	0	298	0	1.00	1.00	(17) DIS	(17) DIS	5783	25050

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE			(Stress in psi)		
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Code type	Code Stress	Code Allow.
A151N- Max P	GR + Max P	63	25		1.00	1.00	(18) SU	(3a) HOOP	4844	16700
	Cold to T1	0	1646	0	1.00	1.00	(17) DIS	(18) SU	2391	16700
	SRSS	0	312		1.00	1.00	(18) OCC	(18) OCC	6144	25050
A151N+ Max P	GR + Max P	25	63		1.00	1.00	(18) SU	(3a) HOOP	4844	16700
	Cold to T1	1646	0	0	1.00	1.00	(17) DIS	(18) SU	2391	16700
	SRSS	312	0		1.00	1.00	(18) OCC	(18) OCC	6144	25050
A151M Max P	GR + Max P	28	7		1.00	1.00	(18) SU	(3a) HOOP	4844	16700
	Cold to T1	1875	0	0	1.00	1.00	(17) DIS	(18) SU	2204	16700
	SRSS	350	0		1.00	1.00	(18) OCC	(18) OCC	6999	25050
A151F- Max P	GR + Max P	23	42		1.00	1.00	(18) SU	(3a) HOOP	4844	16700
	Cold to T1	1509	0	0	1.00	1.00	(17) DIS	(18) SU	2250	16700
	SRSS	317	0		1.00	1.00	(18) OCC	(18) OCC	1520	22211
A151F+ Max P	GR + Max P	42	23		1.00	1.00	(18) SU	(3a) HOOP	4844	16700
	Cold to T1	0	1509	0	1.00	1.00	(17) DIS	(18) SU	2295	16700
	SRSS	0	317		1.00	1.00	(18) OCC	(18) OCC	5634	25050
A152	Max P							(3a) HOOP	4844	16700
	GR + Max P	67	21		1.00	1.00	(18) SU	(18) SU	2400	16700
	Cold to T1	0	1392	0	1.00	1.00	(17) DIS	(17) DIS	5197	25050
A153	Max P							(3a) HOOP	4844	16700
	GR + Max P	288	27		1.00	1.00	(18) SU	(18) SU	3451	16700
	Cold to T1	0	1673	0	1.00	1.00	(17) DIS	(17) DIS	6264	25050
A154	Max P							(3a) HOOP	4844	16700
	GR + Max P	88	10		1.00	1.00	(18) SU	(18) SU	2489	16700
	Cold to T1	0	631	0	1.00	1.00	(17) DIS	(17) DIS	2355	25050
A155	Max P							(3a) HOOP	4844	16700
	GR + Max P	275	11		1.00	1.00	(18) SU	(18) SU	3384	16700
	Cold to T1	0	631	0	1.00	1.00	(17) DIS	(17) DIS	2357	25050
A156	Max P							(3a) HOOP	4844	16700
	GR + Max P	275	11		1.00	1.00	(18) SU	(18) SU	3384	16700
	Cold to T1	0	630	0	1.00	1.00	(17) DIS	(17) DIS	2357	25050

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Torsion Moment	S.I.F. In Out	Eq. Load no. type	Code Stress	Code Allow.		
A156	Max P						(3a) HOOP	4844	16700
	GR + Max P	216	10	1.00	1.00	(18) SUST	3102	16700	
	Cold to T1	0	694	0	1.00	1.00	(17) DISP	2589	25050
	SRSS	0	904	1.00	1.00	(18) OCC	4341	22211	
A157N-	Max P						(3a) HOOP	4844	16700
	GR + Max P	172	11	1.00	1.00	(18) SUST	2890	16700	
	Cold to T1	0	741	0	1.00	1.00	(17) DISP	2766	25050
	SRSS	0	945	1.00	1.00	(18) OCC	4538	22211	
A157N+	Max P						(3a) HOOP	4844	16700
	GR + Max P	11	172	1.00	1.00	(18) SUST	2890	16700	
	Cold to T1	741	0	0	1.00	1.00	(17) DISP	2766	25050
	SRSS	945	0	1.00	1.00	(18) OCC	4538	22211	
A157M	Max P						(3a) HOOP	4844	16700
	GR + Max P	12	10	1.00	1.00	(18) SUST	2137	16700	
	Cold to T1	776	0	0	1.00	1.00	(17) DISP	2896	25050
	SRSS	975	0	1.00	1.00	(18) OCC	4680	22211	
A157F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	6	70	1.00	1.00	(18) SUST	2404	16700	
	Cold to T1	410	0	0	1.00	1.00	(17) DISP	1530	25050
	SRSS	671	0	1.00	1.00	(18) OCC	3219	22211	
A157F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	70	6	1.00	1.00	(18) SUST	2404	16700	
	Cold to T1	0	410	0	1.00	1.00	(17) DISP	1530	25050
	SRSS	0	671	1.00	1.00	(18) OCC	3219	22211	
A159	Max P						(3a) HOOP	4844	16700
	GR + Max P	59	4	1.00	1.00	(18) SUST	2348	16700	
	Cold to T1	0	256	0	1.00	1.00	(17) DISP	956	25050
	SRSS	0	428	1.00	1.00	(18) OCC	2052	22211	
A160N-	Max P						(3a) HOOP	4844	16700
	GR + Max P	35	6	1.00	1.00	(18) SUST	2235	16700	
	Cold to T1	0	353	0	1.00	1.00	(17) DISP	1317	25050
	SRSS	0	464	1.00	1.00	(18) OCC	2226	22211	
A160N+	Max P						(3a) HOOP	4844	16700
	GR + Max P	6	35	1.00	1.00	(18) SUST	2235	16700	
	Cold to T1	353	0	0	1.00	1.00	(17) DISP	1317	25050
	SRSS	464	0	1.00	1.00	(18) OCC	2226	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Torsion Moment	S.I.F. In Out	Eq. Load no. type	Code Stress	Code Allow.		
A160M	Max P						(3a) HOOP	4844	16700
	GR + Max P	11	20	1.00	1.00	(18) SUST	2175	16700	
	Cold to T1	719	0	0	1.00	1.00	(17) DISP	2683	25050
	SRSS	717	0	1.00	1.00	(18) OCC	3442	22211	
A160F-	Max P						(3a) HOOP	4844	16700
	GR + Max P	11	52	1.00	1.00	(18) SUST	2518	16700	
	Cold to T1	684	0	0	1.00	1.00	(17) DISP	2533	25050
	SRSS	697	0	1.00	1.00	(18) OCC	3346	22211	
A160F+	Max P						(3a) HOOP	4844	16700
	GR + Max P	52	11	1.00	1.00	(18) SUST	2318	16700	
	Cold to T1	0	684	0	1.00	1.00	(17) DISP	2533	25050
	SRSS	0	697	1.00	1.00	(18) OCC	3346	22211	
A161	Max P						(3a) HOOP	4844	16700
	GR + Max P	78	10	1.00	1.00	(18) SUST	2442	16700	
	Cold to T1	0	637	0	1.00	1.00	(17) DISP	2376	25050
	SRSS	0	657	1.00	1.00	(18) OCC	3151	22211	
A162	Max P						(3a) HOOP	4844	16700
	GR + Max P	235	5	1.00	1.00	(18) SUST	3192	16700	
	Cold to T1	0	310	0	1.00	1.00	(17) DISP	1158	25050
	SRSS	0	557	1.00	1.00	(18) OCC	2674	22211	
A163 -	Max P						(3a) HOOP	4844	16700
	GR + Max P	315	3	1.00	1.00	(18) SUST	3578	16700	
	Cold to T1	0	155	0	1.00	1.00	(17) DISP	577	25050
	SRSS	0	277	1.00	1.00	(18) OCC	1332	22211	
A163 +	Max P						(3a) HOOP	4844	16700
	GR + Max P	335	10	1.00	1.00	(18) SUST	3672	16700	
	Cold to T1	0	253	0	1.00	1.00	(17) DISP	944	25050
	SRSS	0	0	1.00	1.00	(18) OCC	0	22211	
A164	Max P						(3a) HOOP	4844	16700
	GR + Max P	194	21	1.00	1.00	(18) SUST	3000	16700	
	Cold to T1	0	771	0	1.00	1.00	(17) DISP	2877	25050
	SRSS	0	0	1.00	1.00	(18) OCC	0	22211	
A165N-	Max P						(3a) HOOP	4844	16700
	GR + Max P	107	1	1.00	1.00	(18) SUST	2574	16700	
	Cold to T1	0	333	0	1.00	1.00	(17) DISP	1242	25050
	SRSS	0	0	1.00	1.00	(18) OCC	0	22211	

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			Torsion		S.I.F		Eq. Load		(Stress in psi)	
		In-Pl. Moment	Out-Pl. Moment	Moment	In	Out	no.	type	Code Stress	Code Allow.		
A165N+	Max P									(3a) HOOP	4844	16700
	GR + Max P	1	107		1.00	1.00	(18)	SUST	2574	16700		
	CoId to T1	333	0	0	1.00	1.00	(17)	DISP	1242	25050		
	SRSS	0	0		1.00	1.00	(18)	OCC	0	22211		
A165M	Max P									(3a) HOOP	4844	16700
	GR + Max P	34	13		1.00	1.00	(18)	SUST	2234	16700		
	CoId to T1	1954	0	0	1.00	1.00	(17)	DISP	7295	25050		
	SRSS	0	0		1.00	1.00	(18)	OCC	0	22211		
A165F-	Max P									(3a) HOOP	4844	16700
	GR + Max P	27	11		1.00	1.00	(18)	SUST	2198	16700		
	CoId to T1	1411	0	0	1.00	1.00	(17)	DISP	5267	25050		
	SRSS	0	0		1.00	1.00	(18)	OCC	0	22211		
A165F+	Max P									(3a) HOOP	4844	16700
	GR + Max P	11	27		1.00	1.00	(18)	SUST	2198	16700		
	CoId to T1	0	1411	0	1.00	1.00	(17)	DISP	5267	25050		
	SRSS	0	0		1.00	1.00	(18)	OCC	0	22211		
A166	Max P									(3a) HOOP	4844	16700
	GR + Max P	5	22		1.00	1.00	(18)	SUST	2165	16700		
	CoId to T1	0	1102	0	1.00	1.00	(17)	DISP	4113	25050		
	SRSS	0	0		1.00	1.00	(18)	OCC	0	22211		
A167	Max P									(3a) HOOP	4844	16700
	GR + Max P	81	45		1.00	1.00	(18)	SUST	2502	16700		
	CoId to T1	0	2738	0	1.00	1.00	(17)	DISP	10221	25050		
	SRSS	0	0		1.00	1.00	(18)	OCC	0	22211		

*** Segment A end ***

S Y S T E M S U M M A R Y

Maximum displacements (in)

Maximum X :	-1.862	Point :	A43 M	Load Comb.:	SUM
Maximum Y :	0.908	Point :	A43 M	Load Comb.:	TOTAL
Maximum Z :	1.690	Point :	A95 M	Load Comb.:	TOTAL
Max. total:	2.315	Point :	A43 M	Load Comb.:	TOTAL

Maximum rotations (deg)

Maximum X :	0.268	Point :	A44	Load Comb.:	TOTAL
Maximum Y :	1.246	Point :	176	Load Comb.:	TOTAL
Maximum Z :	0.656	Point :	A42	Load Comb.:	TOTAL
Max. total:	1.249	Point :	A76	Load Comb.:	TOTAL

Maximum restraint forces(lb)

Maximum X :	-819	Point :	A45	Load Comb.:	SUM
Maximum Y :	532	Point :	A41	Load Comb.:	TOTAL
Maximum Z :	1040	Point :	A164	Load Comb.:	TOTAL
Max. total:	1156	Point :	A167	Load Comb.:	TOTAL

Maximum restraint moments(ft-lb)

Maximum X :	88	Point :	A39	Load Comb.:	TOTAL
Maximum Y :	2783	Point :	A167	Load Comb.:	SUM
Maximum Z :	362	Point :	A39	Load Comb.:	TOTAL
Max. total:	2784	Point :	A167	Load Comb.:	SUM

SYSTEM SUMMARY

Maximum sustained stress

Point : A41
 Stress psi : 8128
 Allowable psi : 16700
 Ratio : 0.49
 Load combination : GR + Max P

Maximum displacement stress

Point : A43 M
 Stress psi : 16759
 Allowable psi : 25050
 Ratio : 0.67
 Load combination : Cold to T1

Maximum occasional stress

Point : A102
 Stress psi : 5299
 Allowable psi : 22211
 Ratio : 0.24
 Load combination : SRSS

Maximum hoop stress

Point : A00
 Stress psi : 4844
 Allowable psi : 16700
 Ratio : 0.29
 Load combination : Max P

Maximum sustained stress ratio

Point : A41
 Stress psi : 8128
 Allowable psi : 16700
 Ratio : 0.49
 Load combination : GR + Max P

Maximum displacement stress ratio

Point : A43 M
 Stress psi : 16759
 Allowable psi : 25050
 Ratio : 0.67
 Load combination : Cold to T1

SYSTEM SUMMARY

Maximum occasional stress ratio

Point : A102
 Stress psi : 5299
 Allowable psi : 22211
 Ratio : 0.24
 Load combination : SRSS

Maximum hoop stress ratio

Point : A00
 Stress psi : 4844
 Allowable psi : 16700
 Ratio : 0.29
 Load combination : Max P

*** The system satisfies ASME B31.3 code requirements ***
 *** for the selected options ***

Max occasional stress: SUBT + SEISMIC

$$8128 \text{ psi} + 5299 \text{ psi} = 13427 \text{ psi}$$

$$\text{Ratio} = 0.60$$

Rev. 3
 KH 1/8/97

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 3.12.98

APPENDIX C

HYDRO TEST AT 600 PSI

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
*** SEGMENT A						
A00	Run	0	0	0	PIPE-1	
A01	Run	-6.62	0	0		
A02	Run	-8.67	0	0		
A03	Bend	-1.50	0	0		Elbow, Radius = 40.00 inch Bend angle change = 45.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A04	Run	-1.06	0	1.06		
A05	Run	-7.78	0	7.78		
A06	Run	-7.78	0	7.78		
A07	Run	-7.78	0	7.78		
A08	Run	-7.78	0	7.78		
A085	Run	-4.23	0	4.23		
A09	Run	-3.06	0	3.06		
A10	Bend	-2.71	0	2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A11	Run	-2.71	0	-2.71		
A12	Run	-6.13	0	-6.13		
A13	Run	-8.49	0	-8.48		
A14	Run	-8.48	0	-8.48		
A15	Run	-8.48	0	-8.48		
A16	Run	-8.48	0	-8.48		
A17	Run	-8.48	0	-8.48		
A18	Run	-8.48	0	-8.48		
A19	Run	-8.48	0	-8.48		
A20	Run	-8.48	0	-8.48		
A21	Run	-8.48	0	-8.48		
A22	Run	-6.13	0	-6.13		
A23	Bend	-2.71	0	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A25	Run	3.66	0	-3.66		
A26	Bend	2.71	0	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A27	Run	-2.71	0.46	-2.71		

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
A28	Run	-5.83	0.98	-5.83		
A29	Run	-8.93	1.50	-8.93		
A30	Run	-8.93	1.50	-8.93		
A31	Run	-5.83	0.98	-5.83		
A32	Bend	-2.71	0.46	-2.71		Elbow, Radius = 40.00 inch Bend angle change = 89.98 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A33	Run	-2.71	0	2.71		
A34	Run	-2.30	0	2.30		
A35	Bend	-2.71	0	2.71		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A36	Run	-2.71	0	-2.71		
A37	Run	-6.94	0	-6.94		
A38	Run	-8.49	0	-8.48		
A39	Run	-8.49	0	-8.49		
A40	Run	-8.49	0	-8.48		
A41	Run	-8.49	0	-8.49		
A42	Run	-8.41	0	-8.41		
A43	Bend	-1.06	0	-1.06		Elbow, Radius = 40.00 inch Bend angle change = 44.96 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A44	Run	0	0	-1.50		
A45	Run	0	0	-13.01		
A46	Run	0	0	-13.50		
A47	Run	0	0	-13.50		
A48	Run	0	0	-12.75		
A49	Run	0	0	-12.75		
A50	Run	0	0	-12.75		
A51	Run	0	0	-12.75		
A52	Run	0	0	-12.75		
A53	Run	0	0	-12.75		
I53	Run	0	0	-12.75		
A54	Run	0	0	-13.25		
A55	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000

10/11/96

POINT DATA LISTING

POINT NAME	TYPE	----OFFSETS (ft)----			PIPE ID	DESCRIPTION
		X	Y	Z		
A56	Run	-3.83	0	0		
A56	Run	-7.34	0	0		
A57	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A58	Run	0	0	-3.83		
A59	Run	0	0	-13.44		
A60	Run	0	0	-13.33		
A61	Run	0	0	-13.33		
A62	Run	0	0	-13.33		
A63	Run	0	0	-13.33		
A64	Run	0	0	-13.33		
A65	Run	0	0	-13.33		
A66	Run	0	0	-13.33		
A67	Run	0	0	-13.33		
A68	Run	0	0	-13.33		
A69	Run	0	0	-13.33		
A70	Run	0	0	-13.33		
A71	Run	0	0	-13.33		
A72	Run	0	0	-13.33		
A73	Run	0	0	-13.33		
A74	Run	0	0	-13.44		
A75	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A76	Run	-3.83	0.38	0		
A76	Run	-7.34	0.73	0		
A77	Bend	-3.83	0.38	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A78	Run	0	0	-3.83		
A79	Run	0	0	-13.44		
A80	Run	0	0	-13.33		
A81	Run	0	0	-13.33		
A82	Run	0	0	-13.33		
A83	Run	0	0	-13.33		
A84	Run	0	0	-13.33		
A85	Run	0	0	-13.33		
A86	Run	0	0	-13.33		
A87	Run	0	0	-13.33		

POINT DATA LISTING

POINT NAME	TYPE	----OFFSETS (ft)----			PIPE ID	DESCRIPTION
		X	Y	Z		
A88	Run	0	0	-13.33		
A89	Run	0	0	-13.33		
A90	Run	0	0	-13.33		
A91	Run	0	0	-13.33		
A92	Run	0	0	-13.33		
A93	Run	0	0	-13.33		
A94	Run	0	0	-13.44		
A95	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A96	Run	-3.83	0	0		
A97	Run	-11.25	0	0		
A98	Run	-11.84	0	0		
A99	Run	-11.25	0	0		
A100	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A101	Run	0	0	-3.83		
A102	Run	0	0	-13.00		
A103	Run	0	0	-12.25		
A104	Run	0	0	-12.25		
A105	Run	0	0	-12.25		
A106	Run	0	0	-12.25		
A107	Run	0	0	-12.25		
A108	Run	0	0	-12.25		
A109	Run	0	0	-12.25		
A110	Run	0	0	-12.25		
A111	Run	0	0	-2.88		
A112	Run	0	0.11	-1.62		
A112	Run	0	0.72	-11.00		
A113	Run	0	0.72	-11.00		
A113	Run	0	0.72	-11.00		
A114	Bend	0	0.22	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A115	Run	3.83	0	0		
A116	Run	12.34	0	0		
A117	Bend	3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
						SIF - In 1.00, Out = 1.00 Flex = 1.000
A118	Run	0	0	-3.83		
A119	Run	0	0	-13.74		
A120	Run	0	0	-13.83		
A121	Run	0	0	-13.83		
A122	Run	0	0	-13.83		
A123	Run	0	0	-13.83		
A124	Run	0	0	-13.83		
A125	Run	0	0	-13.83		
A126	Run	0	0	-13.83		
A127	Run	0	0	-13.83		
A128	Run	0	0	-13.83		
A129	Run	0	0	-13.83		
A130	Run	0	0	-13.83		
A131	Run	0	0	-13.83		
A132	Run	0	0	-13.74		
A133	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A134	Run	-3.83	0.37	0		
A134	Run	-9.34	0.91	0		
A135	Bend	-3.83	0.37	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A136	Run	0	0	-3.83		
A137	Run	0	0	-13.75		
A138	Run	0	0	-13.83		
A139	Run	0	0	-13.83		
A140	Run	0	0	-13.83		
A141	Run	0	0	-13.83		
A142	Run	0	0	-13.83		
A143	Run	0	0	-13.83		
A144	Run	0	0	-13.83		
A145	Run	0	0	-13.83		
A146	Run	0	0	-13.83		
A147	Run	0	0	-13.83		
A148	Run	0	0	-13.83		
A149	Run	0	0	-13.83		
A150	Run	0	0	-13.75		
A151	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg

POINT DATA LISTING

POINT NAME	TYPE	-----OFFSETS (ft)-----			PIPE ID	DESCRIPTION
		X	Y	Z		
						Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A152	Run	-3.83	0	0		
A153	Run	-13.00	0	0		
A154	Run	-5.88	0	0		
A155	Run	-7.12	0	0		
A156	Run	-13.88	0	0		
A157	Bend	-3.83	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A159	Run	0	0	-6.75		
A160	Bend	0	0	-3.83		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A161	Run	-3.83	0	0		
A162	Run	-9.92	0	0		
A163	Run	-14.00	0	0		
A164	Run	-14.00	0	0		
A165	Bend	-4.50	0	0		Elbow, Radius = 40.00 inch Bend angle change = 90.00 deg Mid point at 50.00 percent SIF - In 1.00, Out = 1.00 Flex = 1.000
A166	Run	0	0	3.83		
A167	Run	0	0	6.17		

Total weight of empty pipes : 19324 lb

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
*** SEGMENT A			
A00	0.00	0.00	ANCHOR Rigid Thermal movements : None
A01	-6.62	0.00	GUIDE ID : A01 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A02	-15.29	0.00	DISPL Thermal 1 INCLIN ID : A02 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A03 N	-15.41	0.00	0.00
A03	-16.79	0.00	0.00 TI
A03 M	-16.68	0.00	0.25
A03 F	-17.77	0.00	0.98
A04	-17.85	0.00	1.06 INCLIN ID : A04 2, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A05	-25.63	0.00	8.84 GUIDE ID : A04 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A06	-33.41	0.00	16.62 GUIDE ID : A05 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A07	-41.19	0.00	24.40 GUIDE ID : A06 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A08	-48.97	0.00	32.18 GUIDE ID : A08 2, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A085	-53.20	0.00	36.41 DISPL Gaps set Weightless Thermal 1
A09	-56.26	0.00	39.47 INCLIN ID : A09 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A10 N	-56.61	0.00	39.82
A10	-58.97	0.00	42.18 TI
A10 M	-58.97	0.00	40.80
A10 F	-61.33	0.00	39.82
A11	-61.68	0.00	39.47 INCLIN ID : A11 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A12	-67.81	0.00	33.34 GUIDE ID : A12 2, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A13	-76.30	0.00	24.86 DISPL Thermal 1 GUIDE ID : A13 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A14	-84.78	0.00	16.38 DISPL Thermal 1 GUIDE ID : A14 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A15	-93.26	0.00	7.90 DISPL Thermal 1 GUIDE ID : A15 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A16	-101.74	0.00	-0.58 GUIDE ID : A16 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A17	-110.22 0.00 -9.06	ANCHOR	Rigid Thermal movements : None
A18	-118.71 0.00 -17.54	GUIDE	ID : A18 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A19	-127.19 0.00 -26.02	GUIDE	ID : A19 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A20	-135.67 0.00 -34.51	GUIDE	ID : A20 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A21	-144.16 0.00 -42.99	GUIDE	ID : A21 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A22	-150.29 0.00 -49.13	INCLIN	ID : A22 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A23 N	-150.64 0.00 -49.48		
A23	-153.00 0.00 -51.84	TI	
A23 M	-151.62 0.00 -51.84		
A23 F	-150.64 0.00 -54.19		
A25	-149.34 0.00 -55.50	INCLIN	ID : A24 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A26 N	-148.99 0.00 -55.85		
A26	-146.63 0.00 -58.21	TI	
A26 M	-148.01 0.12 -58.20		
A26 F	-148.97 0.40 -60.55		

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A27	-149.34 0.46 -60.91	INCLIN	ID : A27 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A28	-155.17 1.44 -66.74	GUIDE	ID : A28 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A29	-164.10 2.94 -75.67	GUIDE	ID : A29 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A30	-173.03 4.44 -84.60	GUIDE	ID : A30 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A31	-178.86 5.43 -90.43	INCLIN	ID : A31 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A32 N	-179.23 5.49 -90.80		
A32	-181.57 5.89 -93.14	TI	
A32 M	-181.57 5.77 -91.77		
A32 F	-183.93 5.89 -90.79		
A33	-184.28 5.89 -90.44	INCLIN	ID : A33 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A34	-186.58 5.89 -88.14	INCLIN	ID : A34 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A35 N	-186.93 5.89 -87.78		
A35	-189.29 5.89 -85.43	TI	
A35 M	-189.29 5.89 -86.81		

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A35 F	-191.64 5.89 -87.78		
A36	-191.99 5.89 -88.13	INCLIN	ID : A36 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A37	-198.93 5.89 -95.07	GUIDE	ID : A37 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A38	-207.42 5.89 -103.56	GUIDE	ID : A38 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A39	-215.90 5.89 -112.04	ANCHOR	Rigid Thermal movements : None
A40	-224.39 5.89 -120.53	GUIDE	ID : A40 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A41	-232.87 5.89 -129.01	GUIDE	ID : A41 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A42	-241.28 5.89 -137.42	DISPL	Thermal 1
A43 N	-241.36 5.89 -137.50		
A43	-242.34 5.89 -138.48	T1	
A43 M	-242.09 5.89 -138.58		
A43 F	-242.34 5.89 -139.86		
A44	-242.34 5.89 -139.98		
A45	-242.34 5.89 -152.99	GUIDE	ID : A45 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A46	-242.34 5.89 -166.49	DISPL GUIDE	Thermal 1 ID : A46 1, Connected to Ground Stiffness = RIGID

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A47	-242.34 5.89 -179.99	DISPL GUIDE	Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless Thermal 1 ID : A47 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A48	-242.34 5.89 -192.74	DISPL GUIDE	Thermal 1 ID : A48 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A49	-242.34 5.89 -205.49	ANCHOR	Rigid Thermal movements : None
A50	-242.34 5.89 -218.24	GUIDE	ID : A50 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A51	-242.34 5.89 -230.99	GUIDE	ID : A51 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A52	-242.34 5.89 -243.74	GUIDE	ID : A52 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A53	-242.34 5.89 -256.49	GUIDE	ID : A53 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
153	-242.34 5.89 -269.24	GUIDE	ID : 153 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A54	-242.34 5.89 -282.49	INCLIN	Gaps set Weightless ID : A54 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A55 N	-242.34 5.89 -282.99		
A55	-242.34 5.89 -286.32	TI	
A55 M	-243.32 5.89 -285.34		
A55 F	-245.67 5.89 -286.32		
A56	-246.17 5.89 -286.32	INCLIN	ID : A56 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
156	-253.51 5.89 -286.32	INCLIN	ID : 156 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A57 N	-254.01 5.89 -286.32		
A57	-257.34 5.89 -286.32	TI	
A57 M	-256.36 5.89 -287.30		
A57 F	-257.34 5.89 -289.65		
A58	-257.34 5.89 -290.15	INCLIN	ID : A58 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A59	-257.34 5.89 -303.59	GUIDE	ID : A59 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A60	-257.34 5.89 -316.92	GUIDE	ID : A60 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A61	-257.34 5.89 -330.25	GUIDE	ID : A61 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A62	-257.34 5.89 -343.58	GUIDE	Friction = 0.15 Gaps set Weightless ID : A62 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A63	-257.34 5.89 -356.91	GUIDE	ID : A63 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A64	-257.34 5.89 -370.24	GUIDE	ID : A64 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A65	-257.34 5.89 -383.57	GUIDE	ID : A65 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A66	-257.34 5.89 -396.90	ANCHOR	Rigid Thermal movements : None
A67	-257.34 5.89 -410.23	GUIDE	ID : A67 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A68	-257.34 5.89 -423.56	GUIDE	ID : A68 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A69	-257.34 5.89 -436.89	GUIDE	ID : A69 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A70	-257.34 5.89 -450.22	GUIDE	ID : A70 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A71	-257.34 5.89 -463.55	GUIDE	Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless ID : A71 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A72	-257.34 5.89 -476.88	GUIDE	ID : A72 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A73	-257.34 5.89 -490.21	GUIDE	ID : A73 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A74	-257.34 5.89 -503.65	INCLIN	ID : A74 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A75 N	-257.34 5.89 -504.15		
A75	-257.34 5.89 -507.48	TI	
A75 M	-258.31 5.98 -506.50		
A75 F	-260.66 6.22 -507.48		
A76	-261.17 6.27 -507.48	INCLIN	ID : A76 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
I76	-268.51 7.00 -507.48	INCLIN	ID : I76 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A77 N	-269.02 7.05 -507.48		
A77	-272.34 7.39 -507.48	TI	
A77 M	-271.37 7.29 -508.46		
A77 F	-272.34 7.39 -510.81		
A78	-272.34 7.39 -511.31	INCLIN	ID : A78 1, Connected to Ground Along global Y direction

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A79	-272.34 7.39 -524.75	GUIDE	Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless ID : A79 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A80	-272.34 7.39 -538.08	GUIDE	ID : A80 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A81	-272.34 7.39 -551.41	GUIDE	ID : A81 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A82	-272.34 7.39 -564.74	GUIDE	ID : A82 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A83	-272.34 7.39 -578.07	GUIDE	ID : A83 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A84	-272.34 7.39 -591.40	GUIDE	ID : A84 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A85	-272.34 7.39 -604.73	GUIDE	ID : A85 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A86	-272.34 7.39 -618.06	ANCHOR	Rigid Thermal movements : None
A87	-272.34 7.39 -631.39	GUIDE	ID : A87 1, Connected to Ground

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless
A88	-272.34 7.39 -644.72	GUIDE	ID : A88 1, Connected to Ground
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless
A89	-272.34 7.39 -658.05	GUIDE	ID : A89 1, Connected to Ground
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A90	-272.34 7.39 -671.38	GUIDE	ID : A90 1, Connected to Ground
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A91	-272.34 7.39 -684.71	GUIDE	ID : A91 1, Connected to Ground
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A92	-272.34 7.39 -698.04	GUIDE	ID : A92 1, Connected to Ground
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A93	-272.34 7.39 -711.37	GUIDE	ID : A93 1, Connected to Ground
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A94	-272.34 7.39 -724.81	INCLIN	ID : A94 1, Connected to Ground
			Along global Y direction
			Stiffness = RIGID

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gap-Minus = 0.00, Plus = 0.12 inch
			Friction = 0.15
			Gaps set Weightless
A95 N	-272.34 7.39 -725.31		
A95	-272.34 7.39 -728.64	TI	
A95 M	-273.32 7.39 -727.66		
A95 F	-275.67 7.39 -728.64		
A96	-276.17 7.39 -728.64	INCLIN	ID : A96 1, Connected to Ground
			Along global Y direction
			Stiffness = RIGID
			Gap-Minus = 0.00, Plus = 0.12 inch
			Friction = 0.15
			Gaps set Weightless
A97	-287.42 7.39 -728.64	GUIDE	ID : A97 1, Connected to Ground
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A98	-299.26 7.39 -728.64	GUIDE	ID : A98 1, Connected to Ground
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless
		DISPL	Thermal 1
A99	-310.51 7.39 -728.64	INCLIN	ID : A99 1, Connected to Ground
			Along global Y direction
			Stiffness = RIGID
			Gap-Minus = 0.00, Plus = 0.12 inch
			Friction = 0.15
			Gaps set Weightless
A100N	-311.01 7.39 -728.64		
A100	-314.34 7.39 -728.64	TI	
A100M	-313.36 7.39 -729.62		
A100F	-314.34 7.39 -731.97		
A101	-314.34 7.39 -732.47	INCLIN	ID : A101 1, Connected to Ground
			Along global Y direction
			Stiffness = RIGID
			Gap-Minus = 0.00, Plus = 0.12 inch
			Friction = 0.15
			Gaps set Weightless
A102	-314.34 7.39 -745.47	GUIDE	ID : A102 1, Connected to Ground
			Stiffness = RIGID
			Gap-down = 0.00, Above = 0.06 inch
			Gap-left = 0.06, Right = 0.06 inch
			Friction = 0.15
			Gaps set Weightless

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	--- DATA TYPE	DESCRIPTION
A103	-314.34 7.39 -757.72	DISPL GUIDE	Thermal 1 ID : A103 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A104	-314.34 7.39 -769.97	DISPL GUIDE	Thermal 1 ID : A104 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A105	-314.34 7.39 -782.22	DISPL GUIDE	Thermal 1 ID : A105 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A106	-314.34 7.39 -794.47	GUIDE	ID : A106 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A107	-314.34 7.39 -806.72	ANCHOR	Rigid
A108	-314.34 7.39 -818.97	GUIDE	Thermal movements : None ID : A108 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A109	-314.34 7.39 -831.22	GUIDE	ID : A109 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A110	-314.34 7.39 -843.47	GUIDE	ID : A110 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A111	-314.34 7.39 -846.35		
A112	-314.34 7.49 -847.97	GUIDE	ID : A112 1, Connected to Ground

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	--- DATA TYPE	DESCRIPTION
			Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
I112	-314.34 8.21 -858.97	GUIDE	ID : I112 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
I113	-314.34 8.93 -869.97	DISPL GUIDE	Thermal 1 ID : I113 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A113	-314.34 9.66 -880.97	DISPL INCLIN	Thermal 1 ID : A113 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A114N	-314.34 9.68 -881.47		
A114	-314.34 9.88 -884.80	TI	
A114M	-313.36 9.82 -883.82		
A114F	-311.01 9.88 -884.80		
A115	-310.51 9.88 -884.80	INCLIN	ID : A115 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A116	-298.17 9.88 -884.80	INCLIN	ID : A116 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A117N	-297.67 9.88 -884.80		
A117	-294.34 9.88 -884.80	TI	
A117M	-295.32 9.88 -885.78		
A117F	-294.34 9.88 -888.13		
A118	-294.34 9.88 -888.63	INCLIN	ID : A118 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch

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COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A119	-294.34 9.88 -902.37	GUIDE	Friction = 0.15 Gaps set Weightless ID : A119 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A120	-294.34 9.88 -916.20	DISPL GUIDE	Thermal 1 ID : A120 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A121	-294.34 9.88 -930.03	DISPL GUIDE	Thermal 1 ID : A121 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A122	-294.34 9.88 -943.86	GUIDE	ID : A122 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A123	-294.34 9.88 -957.69	GUIDE	ID : A123 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A124	-294.34 9.88 -971.52	GUIDE	ID : A124 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A125	-294.34 9.88 -985.35	ANCHOR	Rigid Thermal movements : None
A126	-294.34 9.88 -999.18	GUIDE	ID : A126 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A127	-294.34 9.88 -1013.01	GUIDE	ID : A127 1, Connected to Ground

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A128	-294.34 9.88 -1026.84	GUIDE	Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A129	-294.34 9.88 -1040.67	GUIDE	ID : A128 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A129	-294.34 9.88 -1040.67	GUIDE	ID : A129 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A130	-294.34 9.88 -1054.50	GUIDE	ID : A129 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A130	-294.34 9.88 -1054.50	GUIDE	ID : A130 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A131	-294.34 9.88 -1068.33	GUIDE	ID : A130 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A131	-294.34 9.88 -1068.33	GUIDE	ID : A131 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A132	-294.34 9.88 -1082.07	DISPL INCLIN	Thermal 1 ID : A131 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A133N	-294.34 9.88 -1082.57		
A133	-294.34 9.88 -1085.90	TI	
A133M	-295.31 9.97 -1084.92		
A133F	-297.66 10.20 -1085.90		
A134	-298.17 10.25 -1085.90	INCLIN	ID : A132 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
1134	-307.51 11.16 -1085.90	INCLIN	ID : A133 1, Connected to Ground Along global Y direction Stiffness = RIGID

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A135N	-308.02 11.21-1085.90		
A135	-311.34 11.54-1085.90	TI	
A135M	-310.37 11.44-1086.88		
A135F	-311.34 11.54-1089.23		
A136	-311.34 11.54-1089.73	INCLIN	ID : A136 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A137	-311.34 11.54-1103.48	GUIDE	ID : A137 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A138	-311.34 11.54-1117.31	DISPL GUIDE	Thermal 1 ID : A138 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A139	-311.34 11.54-1131.14	GUIDE	ID : A139 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A140	-311.34 11.54-1144.97	GUIDE	ID : A140 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A141	-311.34 11.54-1158.80	GUIDE	ID : A141 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A142	-311.34 11.54-1172.63	GUIDE	ID : A142 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
			Gaps set Weightless Rigid
A143	-311.34 11.54-1186.46	ANCHOR	Thermal movements : None ID : A144 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A144	-311.34 11.54-1200.29	GUIDE	Gaps set Weightless ID : A145 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A145	-311.34 11.54-1214.12	GUIDE	Gaps set Weightless ID : A146 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A146	-311.34 11.54-1227.95	GUIDE	Gaps set Weightless ID : A146 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15
A147	-311.34 11.54-1241.78	DISPL GUIDE	Thermal 1 ID : A147 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A148	-311.34 11.54-1255.61	DISPL GUIDE	Thermal 1 ID : A148 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A149	-311.34 11.54-1269.44	DISPL GUIDE	Thermal 1 ID : A149 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A150	-311.34 11.54-1283.19	DISPL INCLIN	Thermal 1 ID : A150 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A151N	-311.34	11.54-1283.69	
A151	-311.34	11.54-1287.02	TI
A151M	-312.32	11.54-1286.04	
A151F	-314.67	11.54-1287.02	
A152	-315.17	11.54-1287.02	INCLIN ID : A152 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A153	-328.17	11.54-1287.02	GUIDE ID : A153 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless DISPL Thermal 1
A154	-334.05	11.54-1287.02	
A155	-341.17	11.54-1287.02	GUIDE ID : A155 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A156	-355.05	11.54-1287.02	INCLIN ID : A156 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A157N	-355.55	11.54-1287.02	
A157	-358.88	11.54-1287.02	TI
A157M	-357.90	11.54-1288.00	
A157F	-358.88	11.54-1290.35	
A159	-358.88	11.54-1293.77	INCLIN ID : A158 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A160N	-358.88	11.54-1294.27	
A160	-358.88	11.54-1297.60	TI
A160M	-359.86	11.54-1296.62	
A160F	-362.21	11.54-1297.60	
A161	-362.71	11.54-1297.60	INCLIN ID : A161 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15

COMPONENT DATA LISTING

POINT NAME	---COORDINATE(ft) X Y Z	DATA TYPE	DESCRIPTION
A162	-372.63	11.54-1297.60	GUIDE Gaps set Weightless ID : A162 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless
A163	-386.63	11.54-1297.60	ANCHOR Rigid Thermal movements : None
A164	-400.63	11.54-1297.60	GUIDE ID : A164 1, Connected to Ground Stiffness = RIGID Gap-down = 0.00, Above = 0.06 inch Gap-left = 0.06, Right = 0.06 inch Friction = 0.15 Gaps set Weightless DISPL Thermal 1
A165N	-401.80	11.54-1297.60	
A165	-405.13	11.54-1297.60	TI
A165M	-404.15	11.54-1296.62	
A165F	-405.13	11.54-1294.27	
A166	-405.13	11.54-1293.77	INCLIN ID : A167 1, Connected to Ground Along global Y direction Stiffness = RIGID Gap-Minus = 0.00, Plus = 0.12 inch Friction = 0.15 Gaps set Weightless
A167	-405.13	11.54-1287.60	ANCHOR Rigid Thermal movements : None

Number of points in the system : 236

PIPE DATA LISTING

Pipe ID/ Material	Nom/ Sch	O.D. inch	-----Thickness(inch)-----				Spec Insu	Weight(lb/ft) Pipe	Other	Total
			W.Th.	Corr	Mill	Ling				
PIPE-1	4	4.500	0.237	0.06	0.03	0	0	1.20	11.04	0 17.66
A312-TP304L	STD									

MATERIAL DATA LISTING

Material Name	Pipe ID	Density lb/cu.ft	Pois. Ratio	Temper. deg F	Modulus E6 psi	Expans. in/100ft	Allow. psi

TEMPERATURE AND PRESSURE DATA

-----C A S E 1-----C A S E 2-----C A S E 3-----
 POINT PRESS. TEMPER EXPAN. PRESS. TEMPER EXPAN. PRESS. TEMPER EXPAN.
 NAME psi deg F in/100ft psi deg F in/100ft psi deg F in/100ft

*** SEGMENT A
 A00 600 180 1.544
 A167 600 180 1.544

THERMAL ANCHOR MOVEMENTS AND DISPLACEMENTS

POINT NAME	LOAD CASE	DX (in)	DY (in)	DZ (in)	RX (deg)	RY (deg)	RZ (deg)
A01	Thermal 1	0.00	0.00	-0.06	0.000	0.000	0.000
A08	Thermal 1	0.15	0.00	0.15	0.000	0.000	0.000
A12	Thermal 1	-0.14	0.00	0.14	0.000	0.000	0.000
A13	Thermal 1	-0.11	0.00	0.11	0.000	0.000	0.000
A14	Thermal 1	-0.08	0.00	0.08	0.000	0.000	0.000
A41	Thermal 1	-0.11	0.00	0.11	0.000	0.000	0.000
A45	Thermal 1	-0.15	0.00	0.00	0.000	0.000	0.000
A46	Thermal 1	-0.11	0.00	0.00	0.000	0.000	0.000
A47	Thermal 1	-0.07	0.00	0.00	0.000	0.000	0.000
A89	Thermal 1	0.06	0.00	0.00	0.000	0.000	0.000
A90	Thermal 1	0.09	0.00	0.00	0.000	0.000	0.000
A91	Thermal 1	0.11	0.00	0.00	0.000	0.000	0.000
A92	Thermal 1	0.13	0.00	0.00	0.000	0.000	0.000
A93	Thermal 1	0.15	0.00	0.00	0.000	0.000	0.000
A97	Thermal 1	0.00	0.00	-0.13	0.000	0.000	0.000
A98	Thermal 1	0.00	0.00	0.12	0.000	0.000	0.000
A102	Thermal 1	-0.14	0.00	0.00	0.000	0.000	0.000
A103	Thermal 1	-0.11	0.00	0.00	0.000	0.000	0.000
A104	Thermal 1	-0.08	0.00	0.00	0.000	0.000	0.000
I112	Thermal 1	-0.06	0.00	0.00	0.000	0.000	0.000
I113	Thermal 1	-0.08	0.00	0.00	0.000	0.000	0.000
A119	Thermal 1	0.08	0.00	0.00	0.000	0.000	0.000
A120	Thermal 1	0.06	0.00	0.00	0.000	0.000	0.000
A131	Thermal 1	0.07	0.00	0.00	0.000	0.000	0.000
A137	Thermal 1	-0.07	0.00	0.00	0.000	0.000	0.000

THERMAL ANCHOR MOVEMENTS AND DISPLACEMENTS

POINT NAME	LOAD CASE	DX (in)	DY (in)	DZ (in)	RX (deg)	RY (deg)	RZ (deg)
A146	Thermal 1	0.08	0.00	0.00	0.000	0.000	0.000
A147	Thermal 1	0.11	0.00	0.00	0.000	0.000	0.000
A148	Thermal 1	0.13	0.00	0.00	0.000	0.000	0.000
A149	Thermal 1	0.16	0.00	0.00	0.000	0.000	0.000
A153	Thermal 1	0.00	0.00	-0.13	0.000	0.000	0.000
A164	Thermal 1	0.00	0.00	-0.07	0.000	0.000	0.000

ANALYSIS SUMMARY

Current model revision number : 14

Static - Date and Time of analysis Sep 5, 1996 2:33 PM
 Model Revision Number 14
 Number of load cases 3
 Load cases analyzed GR T1 P1
 Gaps/Friction/Yielding considered No
 Hanger design run No
 Cut short included No
 Weight of contents included Yes
 Pressure stiffening case 0
 Water elevation for buoyancy loads Not considered

Modal - Date and Time of analysis Sep 5, 1996 2:34 PM
 Model Revision Number 14
 Number of modes 12
 Cutoff frequency (Hz) 33.0
 Weight of contents included Yes
 Pressure stiffening case 0
 Water elevation for buoyancy loads Not considered

Response - Date and Time of analysis Sep 5, 1996 2:34 PM
 Model Revision Number 14
 Number of load cases 3
 Load cases analyzed R1 R2 R3
 Date and time of modal analysis Sep 5, 1996 2:34 PM
 Number of modes 12
 Cutoff frequency (Hz) 33.0
 Model revision of modal analysis 14
 Weight of contents included Yes
 Pressure stiffening case 0
 Water elevation for buoyancy loads Not considered

CODE COMPLIANCE COMBINATIONS

Combination	Category	Method	Load	Factor	Allowable	Remarks
GR + Max P	Sustain'	Sum	Gravity Max Long	1.00 1.00	Automatic	Default
Cold to T1	Expansion	Sum	Thermal 1	1.00	Automatic	Default
Max P	Hoop		Max Hoop	1.00	Automatic	Default
SRSS	Occasion	SRSS	Response 1 Response 2 Response 3	1.00 1.00 1.00	Automatic	User

OTHER USER COMBINATIONS

Combination	Method	Load	Factor	Remarks
GR	Sum	Gravity	1.00	Default
T1	Sum	Thermal 1	1.00	Default
P1	Sum	Press 1	1.00	Default
SUM	Sum	Gravity Thermal 1 Press 1	1.00 1.00 1.00	User
RESP	Abs sum	Response 1 Response 2 Response 3	1.00 1.00 1.00	User
TOTAL	Abs sum	SUM RESP	1.00 1.00	User

CODE COMPLIANCE

Y - Factor 0.40
 Weld efficiency factor 1.00
 Range reduction factor 1.00
 Design Pressure Factor 1.00
 Minimum stress ratio used in reports... 0.00
 Include corrosion in stress calcs. Y
 Include torsion in code stress N
 Include axial force in code stress N
 Longitudinal pressure calculation PD/4t
 Include rigorous pressure Y

RESPONSE SPECTRUM LOAD CASES :

Number of load cases analysed : 3

Load case 1 - R1

Missing mass : No
 ZPA : No

Combination method : SRSS

X- Spectrum : SC2&3
 Multiplier : 1.00

SC2&3

Freq(Hz)	Grav()	Freq(Hz)	Grav()	Freq(Hz)	Grav()
0.100	0.01	0.160	0.02	0.250	0.04
0.400	0.06	0.600	0.09	1.100	0.17
1.640	0.25	8.000	0.25	12.000	0.20
20.000	0.16	33.000	0.12	100.000	0.12

Load case 2 - R2

Missing mass : No
 ZPA : No

Combination method : SRSS

Y- Spectrum : SC2&3
 Multiplier : 1.00

SC2&3

Freq(Hz)	Grav()	Freq(Hz)	Grav()	Freq(Hz)	Grav()
0.100	0.01	0.160	0.02	0.250	0.04
0.400	0.06	0.600	0.09	1.100	0.17
1.640	0.25	8.000	0.25	12.000	0.20
20.000	0.16	33.000	0.12	100.000	0.12

Load case 3 - R3

Missing mass : No
 ZPA : No

Combination method : SRSS

Z- Spectrum : SC2&3
 Multiplier : 1.00

SC2&3

Freq(Hz)	Grav()	Freq(Hz)	Grav()	Freq(Hz)	Grav()
0.100	0.01	0.160	0.02	0.250	0.04
0.400	0.06	0.600	0.09	1.100	0.17
1.640	0.25	8.000	0.25	12.000	0.20
20.000	0.16	33.000	0.12	100.000	0.12

F R E Q U E N C I E S

Mode Number	Frequency (Rads/sec)	Frequency (Hertz)	Period (Sec)	Participation factors		
				X	Y	Z
1	10.3567	1.6483	0.607	-1.650	0.000	0.046
2	11.7484	1.8698	0.535	1.264	0.000	-0.085
3	12.7169	2.0240	0.494	-1.283	0.000	-0.125
4	12.8605	2.0468	0.489	1.223	0.000	-0.073
5	13.0497	2.0769	0.481	-1.220	0.000	0.073
6	14.0956	2.2434	0.446	-1.535	0.000	0.460
7	19.0580	3.0332	0.330	0.663	0.000	0.993
8	22.3562	3.5581	0.281	0.000	0.836	0.000
9	23.4692	3.7352	0.268	1.345	-0.094	0.538
10	24.0311	3.8247	0.261	-0.139	0.061	-1.223
11	25.7055	4.0912	0.244	-0.944	0.000	1.410
12	27.8354	4.4301	0.226	-0.752	-0.005	0.789

Point name combination X Y Z
TRANSLATIONS (in)
ROTATIONS (deg)

Point name combination	X	Y	Z
A00 GR	0.000	0.000	0.000
T1	0.000	0.000	0.000
P1	0.000	0.000	0.000
SUM	0.000	0.000	0.000
RESP	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000
A01 GR	0.000	0.000	0.000
T1	-0.102	-0.065	0.000
P1	-0.002	-0.002	0.000
SUM	-0.104	-0.065	0.000
RESP	0.000	0.000	0.000
TOTAL	-0.102	-0.065	0.000
A02 GR	0.000	0.000	0.000
T1	-0.235	-0.258	0.000
P1	-0.006	-0.006	0.000
SUM	-0.241	-0.263	0.000
RESP	0.000	0.000	0.000
TOTAL	-0.242	-0.263	0.000
A03 N GR	0.000	0.000	0.000
T1	-0.237	-0.258	0.000
P1	-0.006	-0.006	0.000
SUM	-0.243	-0.264	0.000
RESP	0.001	0.000	0.000
TOTAL	-0.243	-0.264	0.000
A03 M GR	0.000	0.000	0.000
T1	-0.256	-0.255	0.000
P1	-0.006	-0.006	0.000
SUM	-0.262	-0.261	0.000
RESP	0.002	0.002	0.000
TOTAL	-0.266	-0.257	0.000
A03 F GR	0.000	0.000	0.000
T1	-0.265	-0.233	0.000
P1	-0.007	-0.005	0.000
SUM	-0.272	-0.238	0.000
RESP	0.000	0.000	0.000
TOTAL	-0.279	-0.238	0.000

D I S P L A C E M E N T S

D I S P L A C E M E N T S

Point name combination	X	Y	Z
A04 GR	0.000	0.000	0.000
T1	-0.255	-0.230	0.000
P1	-0.007	-0.005	0.000
SUM	-0.262	-0.235	0.000
RESP	0.007	0.007	0.000
TOTAL	-0.255	-0.230	0.000
A05 GR	0.000	0.000	0.000
T1	-0.137	0.000	0.000
P1	-0.006	0.000	0.000
SUM	-0.143	0.000	0.000
RESP	0.127	0.000	0.000
TOTAL	-0.016	0.000	0.000
A06 GR	0.000	0.000	0.000
T1	-0.257	0.000	0.000
P1	-0.006	0.000	0.000
SUM	-0.263	0.000	0.000
RESP	0.008	0.000	0.000
TOTAL	-0.255	0.000	0.000
A07 GR	0.000	0.000	0.000
T1	-0.377	0.000	0.000
P1	-0.009	0.000	0.000
SUM	-0.386	0.000	0.000
RESP	0.127	0.000	0.000
TOTAL	-0.259	0.000	0.000
A08 GR	0.000	0.000	0.000
T1	-0.349	0.000	0.000
P1	-0.012	0.000	0.000
SUM	-0.361	0.000	0.000
RESP	0.128	0.000	0.000
TOTAL	-0.233	0.000	0.000
A08 M GR	0.000	0.000	0.000
T1	-0.254	0.000	0.000
P1	-0.006	0.000	0.000
SUM	-0.260	0.000	0.000
RESP	0.024	0.000	0.000
TOTAL	-0.236	0.000	0.000
A08 F GR	0.000	0.000	0.000
T1	-0.203	0.000	0.000
P1	-0.003	0.000	0.000
SUM	-0.206	0.000	0.000
RESP	0.111	0.000	0.000
TOTAL	-0.095	0.000	0.000
A09 GR	0.000	0.000	0.000
T1	-0.050	0.000	0.000
P1	0.000	0.000	0.000
SUM	-0.050	0.000	0.000
RESP	0.173	0.000	0.000
TOTAL	0.123	0.000	0.000
A10 GR	0.000	0.000	0.000
T1	-0.002	0.000	0.000
P1	0.000	0.000	0.000
SUM	-0.002	0.000	0.000
RESP	0.000	0.000	0.000
TOTAL	-0.002	0.000	0.000
A11 GR	0.000	0.000	0.000
T1	-0.002	0.000	0.000
P1	0.000	0.000	0.000
SUM	-0.002	0.000	0.000
RESP	0.000	0.000	0.000
TOTAL	-0.002	0.000	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A09	GR	0.000	0.000	0.000	-0.007	0.000	-0.002
	T1	0.139	0.000	1.356	0.000	0.253	0.000
	P1	0.003	0.000	0.033	0.000	0.008	0.000
	SUM	0.141	0.000	1.388	-0.007	0.261	-0.002
	RESP	0.109	0.000	0.146	0.000	0.012	0.000
	TOTAL	0.250	0.000	1.535	0.007	0.273	0.002
A10 N	GR	0.000	0.001	0.000	-0.006	0.000	-0.001
	T1	0.151	0.000	1.379	0.000	0.216	0.000
	P1	0.003	0.000	0.033	0.000	0.007	0.000
	SUM	0.154	0.001	1.412	-0.006	0.222	-0.001
	RESP	0.110	0.000	0.145	0.000	0.017	0.000
	TOTAL	0.264	0.001	1.557	0.006	0.239	0.001
A10 M	GR	0.000	0.001	0.000	-0.004	0.000	0.001
	T1	0.143	0.000	1.442	0.000	-0.016	0.000
	P1	0.003	0.000	0.033	0.000	0.000	0.000
	SUM	0.146	0.001	1.477	-0.004	-0.016	0.001
	RESP	0.115	0.000	0.130	0.000	0.043	0.000
	TOTAL	0.261	0.001	1.607	0.004	0.060	0.001
A10 F	GR	0.000	0.000	0.000	-0.004	0.000	0.000
	T1	0.141	0.000	1.365	0.000	-0.237	0.000
	P1	0.003	0.000	0.033	0.000	-0.007	0.000
	SUM	0.144	0.000	1.397	-0.004	-0.245	0.000
	RESP	0.103	0.000	0.102	0.000	0.069	0.000
	TOTAL	0.247	0.000	1.500	0.004	0.314	0.000
A11	GR	0.000	0.000	0.000	-0.004	0.000	0.001
	T1	0.155	0.000	1.340	0.000	-0.270	0.000
	P1	0.004	0.000	0.032	0.000	-0.009	0.000
	SUM	0.158	0.000	1.372	-0.004	-0.279	0.001
	RESP	0.097	0.000	0.097	0.000	0.073	0.000
	TOTAL	0.256	0.000	1.470	0.004	0.352	0.001
A12	GR	0.000	0.000	0.000	-0.005	0.000	0.001
	T1	0.517	0.000	0.789	0.000	-0.251	0.000
	P1	0.016	0.000	0.016	0.000	-0.008	0.000
	SUM	0.533	0.000	0.805	-0.005	-0.259	0.001
	RESP	0.000	0.000	0.000	0.000	0.047	0.000
	TOTAL	0.533	0.000	0.805	0.005	0.306	0.001

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A13	GR	0.000	0.000	0.000	-0.001	0.000	-0.002
	T1	0.415	0.000	0.631	0.000	0.053	0.000
	P1	0.015	0.000	0.013	0.000	0.002	0.000
	SUM	0.430	0.000	0.644	-0.001	0.055	-0.002
	RESP	0.000	0.000	0.000	0.000	0.013	0.000
	TOTAL	0.426	0.000	0.644	0.001	0.067	0.002
A14	GR	0.000	0.000	0.000	-0.001	0.000	-0.001
	T1	0.311	0.000	0.473	0.000	-0.054	0.000
	P1	0.009	0.000	0.009	0.000	-0.001	0.000
	SUM	0.320	0.000	0.482	-0.001	-0.054	-0.001
	RESP	0.000	0.000	0.000	0.000	0.003	0.000
	TOTAL	0.320	0.000	0.482	0.001	0.057	0.001
A15	GR	0.000	0.000	0.000	-0.001	0.000	-0.001
	T1	0.261	0.000	0.261	0.000	-0.022	0.000
	P1	0.006	0.000	0.006	0.000	0.000	0.000
	SUM	0.267	0.000	0.267	-0.001	-0.022	-0.001
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.268	0.000	0.268	0.001	0.023	0.001
A16	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.131	0.000	0.131	0.000	0.006	0.000
	P1	0.003	0.000	0.003	0.000	0.000	0.000
	SUM	0.134	0.000	0.134	0.000	0.005	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.134	0.000	0.134	0.000	0.006	0.000
A17	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A18	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	-0.130	0.000	-0.130	0.000	-0.003	0.000
	P1	-0.003	0.000	-0.003	0.000	0.000	0.000
	SUM	-0.133	0.000	-0.133	0.000	-0.003	0.000
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.133	0.000	0.133	0.001	0.004	0.001

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A19	GR	0.000	0.000	0.000	0.001	0.001	0.000
	T1	-0.260	0.000	-0.260	0.000	0.011	0.000
	P1	-0.006	0.000	-0.006	0.000	0.000	0.000
	SUM	-0.266	0.000	-0.266	0.001	0.012	0.000
	RESP	0.000	0.000	0.000	0.001	0.005	0.001
	TOTAL	0.267	0.000	0.267	0.002	0.017	0.001
A20	GR	0.000	0.000	0.000	0.000	-0.002	0.002
	T1	-0.390	0.000	-0.390	0.000	-0.042	-0.001
	P1	-0.009	0.000	-0.009	0.000	-0.001	0.000
	SUM	-0.399	0.000	-0.399	0.000	-0.045	0.002
	RESP	0.001	0.000	0.001	0.001	0.018	0.002
	TOTAL	0.400	0.000	0.400	0.001	0.063	0.003
A21	GR	0.000	0.000	0.000	0.006	0.008	-0.003
	T1	-0.520	0.000	-0.520	-0.002	0.157	0.001
	P1	-0.012	0.000	-0.012	0.000	0.004	0.000
	SUM	-0.533	0.000	-0.533	0.005	0.169	-0.003
	RESP	0.001	0.000	0.001	0.003	0.068	0.001
	TOTAL	0.534	0.000	0.534	0.007	0.236	0.003
A22	GR	-0.009	0.000	0.010	-0.001	-0.004	0.005
	T1	-0.823	0.000	-0.406	0.003	-0.027	-0.004
	P1	-0.020	0.000	-0.009	0.000	-0.001	0.000
	SUM	-0.852	0.000	-0.406	0.003	-0.032	0.001
	RESP	0.126	0.000	0.127	0.001	0.093	0.005
	TOTAL	0.978	0.000	0.533	0.003	0.125	0.006
A23 N	GR	-0.009	-0.001	0.009	-0.003	-0.007	0.006
	T1	-0.825	0.001	-0.415	0.004	-0.073	-0.005
	P1	-0.020	0.000	-0.010	0.000	-0.002	0.000
	SUM	-0.853	0.000	-0.406	0.001	-0.081	0.001
	RESP	0.132	0.001	0.132	0.002	0.092	0.006
	TOTAL	0.985	0.001	0.548	0.003	0.173	0.007
A23 M	GR	-0.001	-0.004	0.007	-0.004	-0.022	0.010
	T1	-0.734	0.004	-0.485	0.004	-0.344	-0.007
	P1	-0.018	0.000	-0.012	0.000	-0.008	0.000
	SUM	-0.753	0.000	-0.489	0.001	-0.375	0.003
	RESP	0.161	0.003	0.165	0.003	0.113	0.009
	TOTAL	0.913	0.003	0.634	0.004	0.487	0.012

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A23 F	GR	0.013	-0.003	0.013	0.000	-0.033	0.012
	T1	-0.496	0.004	-0.421	-0.001	-0.538	-0.008
	P1	-0.003	0.000	-0.010	0.000	-0.013	0.000
	SUM	-0.495	0.001	-0.418	-0.002	-0.588	0.003
	RESP	0.189	0.003	0.147	0.003	0.143	0.012
	TOTAL	0.684	0.004	0.565	0.005	0.727	0.015
A25	GR	0.022	0.000	0.022	-0.001	-0.034	0.010
	T1	-0.323	0.000	-0.288	-0.008	-0.556	-0.011
	P1	-0.008	0.000	-0.007	0.000	-0.014	0.000
	SUM	-0.309	0.000	-0.273	-0.010	-0.604	-0.001
	RESP	0.206	0.000	0.165	0.002	0.144	0.014
	TOTAL	0.515	0.000	0.438	0.012	0.748	0.015
A26 N	GR	0.025	0.001	0.025	-0.002	-0.033	0.009
	T1	-0.277	-0.002	-0.253	-0.010	-0.542	-0.011
	P1	-0.007	0.000	-0.006	0.000	-0.013	0.000
	SUM	-0.259	-0.001	-0.234	-0.012	-0.589	-0.003
	RESP	0.211	0.000	0.172	0.002	0.141	0.015
	TOTAL	0.470	0.002	0.407	0.014	0.729	0.018
A26 M	GR	0.038	0.001	0.031	0.000	-0.023	0.007
	T1	-0.036	-0.006	-0.188	-0.005	-0.356	-0.003
	P1	-0.001	0.000	-0.005	0.000	-0.009	0.000
	SUM	0.002	-0.005	-0.162	-0.005	-0.374	-0.003
	RESP	0.233	0.005	0.194	0.003	0.109	0.021
	TOTAL	0.235	0.010	0.356	0.008	0.497	0.025
A26 F	GR	0.046	0.000	0.029	0.002	-0.007	0.008
	T1	0.063	-0.001	-0.260	0.014	-0.092	0.010
	P1	0.002	0.000	-0.007	0.000	-0.002	0.000
	SUM	0.110	-0.001	-0.238	0.017	-0.102	0.018
	RESP	0.233	0.002	0.176	0.007	0.093	0.029
	TOTAL	0.343	0.003	0.413	0.024	0.195	0.047
A27	GR	0.046	0.000	0.028	0.002	-0.005	0.009
	T1	0.062	0.000	-0.270	0.018	-0.045	0.012
	P1	0.002	0.000	-0.007	0.000	-0.001	0.000
	SUM	0.110	0.000	-0.249	0.021	-0.051	0.021
	RESP	0.231	0.000	0.169	0.008	0.095	0.030
	TOTAL	0.340	0.000	0.418	0.029	0.146	0.051

12/18/96

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A28	GR	0.037	-0.006	0.037	0.000	0.007	0.012
	T1	-0.192	0.032	-0.192	0.018	0.133	0.009
	P1	-0.005	0.001	-0.005	0.000	0.003	0.000
	SUM	-0.160	0.027	-0.160	0.018	0.144	0.021
	RESP	0.155	0.026	0.155	0.016	0.070	0.028
	TOTAL	0.315	0.053	0.315	0.034	0.214	0.049
A29	GR	0.037	-0.006	0.037	0.004	-0.004	0.004
	T1	-0.329	0.055	-0.329	-0.018	0.006	-0.028
	P1	-0.008	0.001	-0.008	0.000	0.000	-0.001
	SUM	-0.300	0.050	-0.300	-0.014	0.002	-0.025
	RESP	0.155	0.026	0.155	0.016	0.030	0.017
	TOTAL	0.456	0.077	0.456	0.031	0.031	0.042
A30	GR	0.037	-0.006	0.037	0.011	0.005	-0.003
	T1	-0.466	0.079	-0.466	-0.085	-0.133	-0.035
	P1	-0.011	0.002	-0.011	-0.002	-0.003	-0.001
	SUM	-0.441	0.074	-0.441	-0.077	-0.131	-0.039
	RESP	0.155	0.026	0.155	0.025	0.087	0.011
	TOTAL	0.596	0.100	0.596	0.102	0.218	0.050
A31	GR	0.032	0.000	0.042	0.004	-0.005	0.001
	T1	-0.410	0.000	-0.716	-0.092	0.108	-0.021
	P1	-0.010	0.000	-0.018	-0.002	0.003	-0.001
	SUM	-0.388	0.000	-0.692	-0.090	0.106	-0.021
	RESP	0.237	0.000	0.198	0.023	0.152	0.006
	TOTAL	0.625	0.000	0.890	0.114	0.258	0.027
A32 N	GR	0.033	0.000	0.042	0.002	-0.007	0.002
	T1	-0.426	-0.004	-0.713	-0.086	0.164	-0.020
	P1	-0.010	0.000	-0.017	-0.002	0.004	0.000
	SUM	-0.403	-0.004	-0.689	-0.085	0.161	-0.019
	RESP	0.248	0.001	0.200	0.022	0.149	0.006
	TOTAL	0.652	0.006	0.888	0.107	0.310	0.024
A32 M	GR	0.035	-0.001	0.036	-0.001	-0.018	0.001
	T1	-0.515	-0.009	-0.570	-0.033	0.482	-0.006
	P1	-0.013	0.000	-0.014	-0.001	0.012	0.000
	SUM	-0.493	-0.009	-0.548	-0.055	0.476	-0.005
	RESP	0.276	0.003	0.218	0.014	0.125	0.003
	TOTAL	0.769	0.013	0.766	0.070	0.602	0.008

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A32 F	GR	0.030	0.000	0.025	-0.001	-0.026	-0.001
	T1	-0.415	-0.001	-0.252	-0.025	0.735	0.010
	P1	-0.010	0.000	-0.006	-0.001	0.018	0.000
	SUM	-0.396	-0.001	-0.234	-0.027	0.726	0.009
	RESP	0.255	0.000	0.253	0.007	0.117	0.002
	TOTAL	0.650	0.002	0.487	0.034	0.844	0.010
A33	GR	0.028	0.000	0.023	-0.001	-0.027	-0.001
	T1	-0.365	0.000	-0.192	-0.021	0.762	0.011
	P1	-0.009	0.000	-0.005	-0.001	0.019	0.000
	SUM	-0.346	0.000	-0.174	-0.023	0.753	0.011
	RESP	0.248	0.000	0.257	0.005	0.119	0.002
	TOTAL	0.595	0.000	0.431	0.028	0.872	0.012
A34	GR	0.014	0.000	0.009	0.001	-0.027	0.000
	T1	-0.022	0.000	0.222	-0.008	0.746	0.009
	P1	-0.001	0.000	0.005	0.000	0.018	0.000
	SUM	-0.009	0.000	0.236	-0.007	0.737	0.010
	RESP	0.224	0.000	0.271	0.001	0.117	0.002
	TOTAL	0.233	0.000	0.507	0.008	0.854	0.012
A35 N	GR	0.012	0.000	0.007	0.002	-0.026	0.001
	T1	0.026	0.000	0.281	-0.007	0.714	0.007
	P1	0.001	0.000	0.007	0.000	0.018	0.000
	SUM	0.039	0.000	0.295	-0.006	0.705	0.008
	RESP	0.224	0.000	0.270	0.001	0.113	0.002
	TOTAL	0.263	0.000	0.565	0.007	0.819	0.010
A35 M	GR	0.007	-0.001	-0.004	0.001	-0.017	-0.001
	T1	0.120	0.000	0.584	-0.006	0.436	0.009
	P1	0.003	0.000	0.014	0.000	0.011	0.000
	SUM	0.130	-0.001	0.594	-0.004	0.430	-0.001
	RESP	0.228	0.000	0.251	0.001	0.086	0.000
	TOTAL	0.358	0.001	0.846	0.004	0.516	0.001
A35 F	GR	0.009	0.000	-0.009	-0.002	-0.005	0.000
	T1	0.042	0.000	0.702	-0.002	0.092	-0.002
	P1	0.001	0.000	0.017	0.000	0.002	0.000
	SUM	0.052	0.000	0.711	-0.004	0.089	-0.003
	RESP	0.208	0.000	0.208	0.000	0.116	0.001
	TOTAL	0.260	0.000	0.919	0.004	0.205	0.003

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A36	GR	0.009	0.000	-0.009	-0.003	-0.003	0.001
	T1	0.032	0.000	0.701	-0.002	0.035	-0.002
	P1	0.000	0.000	0.017	0.000	0.001	0.000
	SUM	0.042	0.000	0.709	-0.005	0.033	-0.002
	RESP	0.199	0.000	0.199	0.000	0.124	0.000
	TOTAL	0.241	0.000	0.909	0.005	0.156	0.002
A37	GR	0.000	0.000	0.000	-0.003	0.006	0.002
	T1	0.260	0.000	0.260	-0.002	-0.211	-0.002
	P1	0.006	0.000	0.006	0.000	-0.005	0.000
	SUM	0.267	0.000	0.267	-0.005	-0.209	0.000
	RESP	0.000	0.000	0.000	0.000	0.085	0.000
	TOTAL	0.267	0.000	0.267	0.005	0.294	0.000
A38	GR	0.000	0.000	0.000	0.000	-0.002	-0.001
	T1	0.130	0.000	0.130	-0.001	0.052	-0.001
	P1	0.003	0.000	0.003	0.000	0.001	0.000
	SUM	0.133	0.000	0.133	-0.001	0.052	-0.002
	RESP	0.000	0.000	0.000	0.000	0.021	0.000
	TOTAL	0.133	0.000	0.133	0.001	0.073	0.002
A39	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A40	GR	0.000	0.000	0.000	0.133	0.000	0.082
	T1	-0.129	0.000	-0.129	-0.001	-0.084	0.000
	P1	-0.003	0.000	-0.003	0.000	-0.003	0.000
	SUM	-0.133	0.000	-0.133	0.133	-0.087	0.082
	RESP	0.000	0.000	0.000	0.042	0.000	0.028
	TOTAL	0.133	0.000	0.133	0.175	0.087	0.109
A41	GR	0.000	0.000	0.000	0.112	0.000	0.317
	T1	-0.370	0.000	-0.148	0.000	0.526	0.000
	P1	-0.006	0.000	-0.006	0.000	0.013	0.000
	SUM	-0.376	0.000	-0.154	0.112	0.538	0.317
	RESP	0.000	0.000	0.000	0.041	0.000	0.098
	TOTAL	0.376	0.000	0.154	0.152	0.538	0.415

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A42	GR	0.000	-0.658	0.000	0.144	0.000	0.497
	T1	-1.772	0.000	0.998	0.000	0.344	0.000
	P1	-0.065	0.000	0.024	0.000	0.009	0.000
	SUM	-1.815	-0.658	1.022	0.144	0.353	0.497
	RESP	0.000	0.191	0.000	0.048	0.000	0.159
	TOTAL	1.815	0.850	1.022	0.192	0.353	0.656
A43 N	GR	0.000	-0.664	0.000	0.147	0.000	0.496
	T1	-1.779	0.000	1.002	0.000	0.324	0.000
	P1	-0.043	0.000	0.024	0.000	0.009	0.000
	SUM	-1.822	-0.664	1.026	0.147	0.333	0.496
	RESP	0.000	0.193	0.000	0.049	0.000	0.159
	TOTAL	1.822	0.858	1.026	0.196	0.333	0.656
A43 M	GR	0.000	-0.703	0.000	0.173	0.000	0.491
	T1	-1.838	0.000	1.020	0.000	0.097	0.000
	P1	-0.044	0.000	0.025	0.000	0.003	0.000
	SUM	-1.882	-0.703	1.044	0.173	0.099	0.491
	RESP	0.000	0.205	0.000	0.057	0.000	0.158
	TOTAL	1.882	0.908	1.044	0.231	0.099	0.649
A43 F	GR	0.000	-0.679	0.000	0.199	0.000	0.483
	T1	-1.835	0.000	1.001	0.000	-0.134	0.000
	P1	-0.044	0.000	0.024	0.000	-0.003	0.000
	SUM	-1.880	-0.679	1.025	0.199	-0.137	0.000
	RESP	0.000	0.197	0.000	0.066	0.000	0.155
	TOTAL	1.880	0.876	1.025	0.265	0.137	0.638
A44	GR	0.000	-0.674	0.000	0.201	0.000	0.482
	T1	-1.832	0.000	0.999	0.000	-0.154	0.000
	P1	-0.044	0.000	0.024	0.000	-0.004	0.000
	SUM	-1.876	-0.674	1.023	0.201	-0.158	0.482
	RESP	0.000	0.196	0.000	0.067	0.000	0.155
	TOTAL	1.876	0.869	1.023	0.268	0.158	0.637
A45	GR	0.000	0.000	0.000	0.146	0.000	0.386
	T1	-0.151	0.000	0.801	0.000	-0.468	0.000
	P1	-0.000	0.000	0.019	0.000	-0.012	0.000
	SUM	-0.151	0.000	0.820	0.146	-0.481	0.386
	RESP	0.000	0.000	0.000	0.041	0.000	0.154
	TOTAL	0.151	0.000	0.820	0.186	0.481	0.511

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A46	GR	0.000	0.000	0.000	-0.039	0.000	0.287
	T1	-0.112	0.000	0.595	0.000	0.110	0.000
	P1	0.000	0.000	0.014	0.000	0.003	0.000
	SUM	-0.112	0.000	0.609	-0.039	-0.113	0.287
	TOTAL	0.000	0.000	0.000	0.011	0.000	0.092
A47	GR	0.000	0.000	0.000	0.012	0.000	0.188
	T1	-0.073	0.000	0.389	0.000	-0.056	0.000
	P1	0.000	0.000	0.009	0.000	-0.001	0.000
	SUM	-0.073	0.000	0.398	0.012	-0.057	0.188
	TOTAL	0.000	0.000	0.000	-0.003	0.000	0.060
A48	GR	0.000	0.000	0.000	-0.003	0.000	0.094
	T1	0.000	0.000	0.195	0.000	-0.007	0.000
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.199	-0.003	-0.006	0.094
	TOTAL	0.000	0.000	0.000	0.001	0.000	0.030
A49	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A50	GR	0.000	0.000	0.000	0.000	0.000	0.002
	T1	0.000	0.000	-0.196	0.000	-0.001	0.000
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.201	0.000	-0.001	0.002
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A51	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.392	0.000	0.004	0.000
	P1	0.000	0.000	-0.009	0.000	0.000	0.000
	SUM	0.000	0.000	-0.401	0.000	0.004	0.005
	TOTAL	0.000	0.000	0.000	0.000	0.002	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A52	GR	0.000	0.000	0.000	0.000	0.000	0.007
	T1	0.000	0.000	-0.588	0.000	-0.014	0.000
	P1	0.000	0.000	-0.014	0.000	0.000	0.000
	SUM	0.000	0.000	-0.602	0.000	-0.015	0.007
	TOTAL	0.000	0.000	0.602	0.000	0.022	0.007
A53	GR	0.000	0.000	0.000	0.002	0.000	0.009
	T1	0.000	0.000	-0.784	0.000	0.054	0.000
	P1	0.000	0.000	-0.019	0.000	0.001	0.000
	SUM	0.000	0.000	-0.802	0.002	0.055	0.009
	TOTAL	0.000	0.000	0.802	0.000	0.027	0.000
I53	GR	0.000	0.000	0.000	-0.006	0.000	0.011
	T1	0.000	0.000	-0.980	0.000	-0.202	0.000
	P1	0.000	0.000	-0.024	0.000	-0.005	0.000
	SUM	0.000	0.000	-1.003	-0.006	-0.207	0.011
	TOTAL	0.000	0.000	1.003	0.000	0.102	0.000
A54	GR	0.000	0.000	0.000	0.018	0.000	0.014
	T1	0.495	0.000	-1.183	0.000	0.234	0.000
	P1	0.012	0.000	-0.028	0.000	0.006	0.000
	SUM	0.507	0.000	-1.212	0.018	0.240	0.014
	TOTAL	0.536	0.000	0.000	0.000	0.191	0.000
A55 N	GR	0.000	0.002	0.000	0.015	0.000	0.014
	T1	0.468	0.000	-1.191	0.000	0.296	0.000
	P1	0.012	0.000	-0.029	0.000	0.007	0.000
	SUM	0.479	0.002	-1.219	0.015	0.303	0.014
	TOTAL	0.556	0.000	0.000	0.000	0.191	0.000
A55 M	GR	0.000	0.005	0.000	0.009	0.000	0.012
	T1	0.225	0.000	-1.119	0.000	0.652	0.000
	P1	0.006	0.000	-0.027	0.000	0.016	0.000
	SUM	0.230	0.005	-1.146	0.009	0.668	0.012
	TOTAL	0.263	0.002	1.178	0.009	0.139	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A55 F	GR	0.000	0.001	0.000	0.005	0.000	0.009
	T1	0.031	0.000	-0.726	0.000	0.964	0.000
	P1	0.001	0.000	-0.018	0.000	0.023	0.000
	SUM	0.032	0.001	-0.743	0.005	0.987	0.009
	RESP	0.661	0.000	0.087	0.000	0.086	0.000
TOTAL	0.693	0.001	0.830	0.005	1.073	0.009	
A56	GR	0.000	0.000	0.000	0.005	0.000	0.009
	T1	0.024	0.000	-0.623	0.000	1.008	0.000
	P1	0.001	0.000	-0.015	0.000	0.024	0.000
	SUM	0.024	0.000	-0.638	0.005	1.032	0.009
	RESP	0.661	0.000	0.095	0.000	0.075	0.000
TOTAL	0.686	0.000	0.733	0.005	1.108	0.009	
I56	GR	0.000	0.000	0.000	-0.005	0.000	-0.010
	T1	-0.089	0.000	1.085	0.000	1.004	0.000
	P1	-0.002	0.000	0.026	0.000	0.024	0.000
	SUM	-0.091	0.000	1.111	-0.005	1.028	-0.010
	RESP	0.661	0.000	0.094	0.000	0.076	0.000
TOTAL	0.753	0.000	1.205	0.005	1.104	0.010	
A57 N	GR	0.000	0.001	0.000	-0.006	0.000	-0.010
	T1	0.097	0.000	1.187	0.000	0.959	0.000
	P1	-0.002	0.000	0.029	0.000	0.023	0.000
	SUM	0.099	0.001	1.216	-0.006	0.982	-0.010
	RESP	0.661	0.000	0.086	0.000	0.086	0.000
TOTAL	0.760	0.001	1.302	0.006	1.068	0.010	
A57 M	GR	0.000	0.005	0.000	-0.009	0.000	-0.013
	T1	-0.289	0.000	1.578	0.000	0.645	0.000
	P1	-0.007	0.000	0.038	0.000	0.016	0.000
	SUM	-0.296	0.005	1.616	-0.009	0.660	-0.013
	RESP	0.637	0.000	0.031	0.000	0.137	0.000
TOTAL	0.933	0.005	1.647	0.009	0.798	0.013	
A57 F	GR	0.000	0.002	0.000	-0.016	0.000	-0.014
	T1	-0.528	0.000	1.648	0.000	0.286	0.000
	P1	-0.013	0.000	0.040	0.000	0.007	0.000
	SUM	-0.541	0.002	1.688	-0.016	0.293	-0.014
	RESP	0.557	0.000	0.000	0.000	0.181	0.000
TOTAL	1.097	0.002	1.688	0.016	0.474	0.014	

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A58	GR	0.000	0.000	0.000	-0.018	0.000	-0.014
	T1	-0.554	0.000	1.640	0.000	0.224	0.000
	P1	-0.014	0.000	0.039	0.000	0.005	0.000
	SUM	-0.568	0.000	1.680	-0.018	0.229	-0.014
	RESP	0.538	0.000	0.000	0.000	0.188	0.000
TOTAL	1.105	0.000	1.680	0.018	0.417	0.014	
A59	GR	0.000	0.000	0.000	0.005	0.000	-0.013
	T1	0.000	0.000	1.434	0.000	-0.217	0.000
	P1	0.000	0.000	0.034	0.000	-0.005	0.000
	SUM	0.000	0.000	1.468	0.005	-0.222	-0.013
	RESP	0.000	0.000	0.000	0.000	0.103	0.000
TOTAL	0.000	0.000	1.468	0.005	0.325	0.013	
A60	GR	0.000	0.000	0.000	-0.001	0.000	-0.011
	T1	0.000	0.000	1.229	0.000	0.058	0.000
	P1	0.000	0.000	0.029	0.000	0.001	0.000
	SUM	0.000	0.000	1.259	-0.001	0.059	-0.011
	RESP	0.000	0.000	0.000	0.000	0.027	0.000
TOTAL	0.000	0.000	1.259	0.001	0.087	0.011	
A61	GR	0.000	0.000	0.000	0.000	0.000	-0.009
	T1	0.000	0.000	1.024	0.000	-0.015	0.000
	P1	0.000	0.000	0.025	0.000	0.000	0.000
	SUM	0.000	0.000	1.049	0.000	-0.015	-0.009
	RESP	0.000	0.000	0.000	0.000	0.007	0.000
TOTAL	0.000	0.000	1.049	0.000	0.023	0.009	
A62	GR	0.000	0.000	0.000	0.000	0.000	-0.007
	T1	0.000	0.000	0.819	0.000	0.004	0.000
	P1	0.000	0.000	0.020	0.000	0.000	0.000
	SUM	0.000	0.000	0.839	0.000	0.004	-0.007
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
TOTAL	0.000	0.000	0.839	0.000	0.006	0.007	
A63	GR	0.000	0.000	0.000	0.000	0.000	-0.005
	T1	0.000	0.000	0.614	0.000	-0.001	0.000
	P1	0.000	0.000	0.015	0.000	0.000	0.000
	SUM	0.000	0.000	0.629	0.000	-0.001	-0.005
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.629	0.000	0.002	0.005	

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A64	GR	0.000	0.000	0.000	0.000	0.000	-0.004
	T1	0.000	0.000	0.410	0.000	0.000	0.000
	P1	0.000	0.000	0.010	0.000	0.000	0.000
	SUM	0.000	0.000	0.419	0.000	0.000	-0.004
	TOTAL	0.000	0.000	0.420	0.000	0.000	0.004
A65	GR	0.000	0.000	0.000	0.000	0.000	-0.002
	T1	0.000	0.000	0.205	0.000	0.000	0.000
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.210	0.000	0.000	-0.002
	TOTAL	0.000	0.000	0.210	0.000	0.000	0.002
A66	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A67	GR	0.000	0.000	0.000	0.000	0.000	0.002
	T1	0.000	0.000	-0.205	0.000	0.000	0.006
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.210	0.000	0.000	0.007
	TOTAL	0.000	0.000	0.210	0.000	0.000	0.007
A68	GR	0.000	0.000	0.000	0.000	0.000	0.004
	T1	0.000	0.000	-0.409	0.000	0.000	0.011
	P1	0.000	0.000	-0.010	0.000	0.000	0.000
	SUM	0.000	0.000	-0.419	0.000	0.000	0.015
	TOTAL	0.000	0.000	0.419	0.000	0.000	0.015
A69	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.614	0.000	-0.001	0.017
	P1	0.000	0.000	-0.015	0.000	0.000	0.000
	SUM	0.000	0.000	-0.629	0.000	-0.001	0.022
	TOTAL	0.000	0.000	0.629	0.000	0.001	0.022

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A70	GR	0.000	0.000	0.000	0.000	0.000	0.007
	T1	0.000	0.000	-0.819	0.000	0.005	0.022
	P1	0.000	0.000	-0.020	0.000	0.000	0.001
	SUM	0.000	0.000	-0.838	0.000	0.005	0.030
	TOTAL	0.000	0.000	0.838	0.000	0.007	0.030
A71	GR	0.000	0.000	0.000	0.000	0.000	0.009
	T1	0.000	0.000	-1.023	0.000	-0.017	0.028
	P1	0.000	0.000	-0.025	0.000	0.000	0.001
	SUM	0.000	0.000	-1.048	0.000	-0.017	0.037
	TOTAL	0.000	0.000	1.048	0.001	0.025	0.037
A72	GR	0.000	0.000	0.000	0.001	0.000	0.011
	T1	0.000	0.000	-1.228	0.001	0.064	0.033
	P1	0.000	0.000	-0.029	0.000	0.002	0.001
	SUM	0.000	0.000	-1.258	0.002	0.065	0.045
	TOTAL	0.000	0.000	1.258	0.002	0.094	0.045
A73	GR	0.000	0.000	0.000	-0.005	0.000	0.013
	T1	0.000	0.000	-1.433	-0.003	-0.239	0.039
	P1	0.000	0.000	-0.034	0.000	-0.006	0.001
	SUM	0.000	0.000	-1.467	-0.008	-0.245	0.060
	TOTAL	0.000	0.000	1.467	0.008	0.351	0.052
A74	GR	0.000	0.000	0.000	0.018	0.000	0.014
	T1	0.591	0.000	-1.639	0.011	0.269	0.044
	P1	0.015	0.000	-0.039	0.000	0.006	0.001
	SUM	0.606	0.000	-1.679	0.030	0.276	0.060
	TOTAL	0.553	0.000	1.679	0.000	0.194	0.060
A75 N	GR	0.000	0.002	0.000	0.016	0.000	0.014
	T1	0.559	0.001	-1.647	0.013	0.340	0.044
	P1	0.014	0.000	-0.040	0.000	0.008	0.001
	SUM	0.573	0.003	-1.686	0.029	0.348	0.060
	TOTAL	0.573	0.000	1.686	0.000	0.186	0.060

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A75 M	GR	0.000	-0.005	0.000	0.009	0.000	0.013
	T1	0.282	0.005	-1.559	0.037	0.746	0.041
	P1	-0.007	0.000	-0.038	-0.001	0.018	0.001
	SUM	0.290	0.010	-1.597	0.047	0.763	0.055
	RESP	0.655	0.000	0.032	0.000	0.141	0.000
	TOTAL	0.945	0.010	1.629	0.047	0.904	0.055
A75 F	GR	0.000	0.001	0.000	0.006	0.000	0.010
	T1	-0.065	0.002	-1.107	0.069	1.101	0.026
	P1	-0.002	0.000	-0.027	-0.002	0.027	0.001
	SUM	0.066	0.003	-1.134	0.076	1.128	0.036
	RESP	0.680	0.000	0.088	0.000	0.088	0.000
	TOTAL	0.747	0.003	1.221	0.076	1.216	0.036
A76	GR	-0.001	0.000	0.001	0.005	0.000	0.010
	T1	-0.057	0.000	-0.985	0.074	1.154	0.021
	P1	0.001	0.000	-0.024	0.002	0.028	0.001
	SUM	-0.058	0.000	-1.008	0.081	1.182	0.031
	RESP	0.680	0.000	0.097	0.000	0.077	0.000
	TOTAL	0.738	0.000	1.105	0.081	1.259	0.031
I76	GR	-0.001	0.000	0.001	-0.005	0.000	-0.010
	T1	-0.057	0.000	-0.985	0.074	1.154	0.021
	P1	-0.001	0.000	0.024	-0.002	0.028	0.001
	SUM	-0.059	0.000	-1.009	0.071	1.182	0.011
	RESP	0.680	0.000	0.097	0.000	0.077	0.000
	TOTAL	0.739	0.000	1.106	0.071	1.259	0.011
A77 N	GR	0.000	0.001	0.000	-0.006	0.000	-0.010
	T1	-0.065	-0.002	-1.107	0.069	1.101	0.026
	P1	-0.002	0.000	0.027	-0.002	0.027	0.001
	SUM	-0.067	-0.001	-1.135	0.065	1.128	0.017
	RESP	0.680	0.000	0.088	0.000	0.088	0.000
	TOTAL	0.747	0.001	1.222	0.065	1.216	0.017
A77 M	GR	0.000	0.005	0.000	-0.009	0.000	-0.013
	T1	-0.282	-0.005	-1.559	0.037	0.746	0.041
	P1	-0.007	0.000	-0.038	-0.001	0.018	0.001
	SUM	-0.289	-0.001	-1.597	0.029	0.764	0.030
	RESP	0.655	0.000	0.032	0.000	0.141	0.000
	TOTAL	0.944	0.001	1.629	0.029	0.905	0.030

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A77 F	GR	0.000	0.002	0.000	-0.016	0.000	-0.014
	T1	-0.591	0.000	1.639	0.011	0.269	0.044
	P1	-0.014	0.000	0.040	0.000	0.008	0.001
	SUM	-0.573	0.000	1.686	-0.002	0.348	0.031
	RESP	0.573	0.000	0.000	0.000	0.186	0.000
	TOTAL	1.146	0.000	1.686	0.002	0.534	0.031
A78	GR	0.000	0.000	0.000	-0.018	0.000	-0.014
	T1	-0.591	0.000	1.639	0.011	0.269	0.044
	P1	-0.015	0.000	0.039	0.000	0.006	0.001
	SUM	-0.605	0.000	1.679	-0.007	0.276	0.031
	RESP	0.553	0.000	0.000	0.000	0.194	0.000
	TOTAL	1.158	0.000	1.679	0.007	0.470	0.031
A79	GR	0.000	0.000	0.000	0.005	0.000	-0.013
	T1	0.000	0.000	1.433	-0.003	-0.239	0.039
	P1	0.000	0.000	0.034	0.000	-0.006	0.001
	SUM	0.000	0.000	1.467	0.002	-0.245	0.027
	RESP	0.000	0.000	0.000	0.000	0.106	0.000
	TOTAL	0.000	0.000	1.467	0.002	0.351	0.027
A80	GR	0.000	0.000	0.000	-0.001	0.000	-0.011
	T1	0.000	0.000	1.228	0.001	0.064	0.033
	P1	0.000	0.000	0.029	0.000	0.002	0.001
	SUM	0.000	0.000	1.258	-0.001	0.065	0.023
	RESP	0.000	0.000	0.000	0.000	0.028	0.000
	TOTAL	0.000	0.000	1.258	0.001	0.094	0.023
A81	GR	0.000	0.000	0.000	0.000	0.000	-0.009
	T1	0.000	0.000	1.023	0.000	-0.017	0.028
	P1	0.000	0.000	0.025	0.000	0.000	0.001
	SUM	0.000	0.000	1.048	0.000	-0.017	0.019
	RESP	0.000	0.000	0.000	0.000	0.008	0.000
	TOTAL	0.000	0.000	1.048	0.000	0.025	0.020
A82	GR	0.000	0.000	0.000	0.000	0.000	-0.007
	T1	0.000	0.000	0.819	0.000	0.005	0.022
	P1	0.000	0.000	0.020	0.000	0.000	0.001
	SUM	0.000	0.000	0.838	0.000	0.005	0.015
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.838	0.000	0.007	0.016

DISPLACEMENTS
Point name combination
TRANSLATIONS (in) X Y Z
ROTATIONS (deg) X Y Z

	GR	P1	T1	SUM	RESP	TOTAL
A83	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A84	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A85	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A86	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A87	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A88	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

DISPLACEMENTS
Point name combination
TRANSLATIONS (in) X Y Z
ROTATIONS (deg) X Y Z

	GR	P1	T1	SUM	RESP	TOTAL
A89	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A90	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A91	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A92	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A93	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A94	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

DISPLACEMENTS
Point name combination
TRANSLATIONS (in) X Y Z
ROTATIONS (deg) X Y Z

	GR	P1	T1	SUM	RESP	TOTAL
A89	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A90	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A91	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A92	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A93	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
A94	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A95 N	GR	0.000	0.002	0.000	0.022	0.000	0.021
	T1	0.385	0.000	-1.652	0.000	0.160	0.000
	P1	0.010	0.000	-0.040	0.000	0.003	0.000
	SUM	0.395	0.002	-1.692	0.022	0.163	0.021
	RESP	0.844	0.000	0.001	0.000	0.245	0.000
	TOTAL	1.239	0.002	1.693	0.022	0.408	0.021
A95 M	GR	0.000	0.008	0.000	0.018	0.000	0.020
	T1	0.250	0.000	-1.632	0.000	0.341	0.000
	P1	0.007	0.000	-0.039	0.000	0.009	0.000
	SUM	0.256	0.008	-1.671	0.018	0.349	0.020
	RESP	0.945	0.000	0.037	0.000	0.157	0.000
	TOTAL	1.201	0.008	1.708	0.018	0.506	0.020
A95 F	GR	0.000	0.002	0.000	0.016	0.000	0.018
	T1	0.132	0.000	-1.434	0.000	0.500	0.000
	P1	0.003	0.000	-0.034	0.000	0.013	0.000
	SUM	0.135	0.002	-1.469	0.016	0.513	0.018
	RESP	0.970	0.000	0.091	0.000	0.067	0.000
	TOTAL	1.106	0.002	1.559	0.016	0.580	0.018
A96	GR	0.000	0.000	0.000	0.016	0.000	0.019
	T1	0.124	0.000	-1.381	0.000	0.523	0.000
	P1	0.003	0.000	-0.033	0.000	0.014	0.000
	SUM	0.127	0.000	-1.414	0.016	0.537	0.019
	RESP	0.970	0.000	0.097	0.000	0.052	0.000
	TOTAL	1.098	0.000	1.511	0.016	0.588	0.019
A97	GR	0.000	0.000	0.000	0.006	0.000	-0.005
	T1	-0.049	0.000	-0.133	0.000	0.298	0.000
	P1	-0.001	0.000	0.000	0.000	0.006	0.000
	SUM	-0.050	0.000	-0.133	0.006	0.304	-0.005
	RESP	0.971	0.000	0.000	0.000	0.060	0.000
	TOTAL	1.021	0.000	0.133	0.006	0.363	0.005
A98	GR	0.000	0.000	0.000	-0.005	0.000	0.005
	T1	-0.232	0.000	0.116	0.000	0.202	0.000
	P1	-0.025	0.000	0.000	0.000	0.004	0.000
	SUM	-0.237	0.000	0.116	-0.005	0.206	0.005
	RESP	0.971	0.000	0.000	0.000	0.061	0.000
	TOTAL	1.208	0.000	0.116	0.005	0.268	0.005

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A99	GR	0.000	0.000	0.000	-0.014	0.000	-0.018
	T1	-0.445	0.000	1.009	0.000	0.352	0.000
	P1	-0.010	0.000	0.024	0.000	0.010	0.000
	SUM	-0.415	0.000	1.033	-0.014	0.362	-0.018
	RESP	0.970	0.000	0.102	0.000	0.054	0.000
	TOTAL	1.385	0.000	1.135	0.014	0.416	0.018
A100N	GR	0.000	0.002	0.000	-0.015	0.000	-0.017
	T1	-0.413	0.000	1.045	0.000	0.351	0.000
	P1	-0.010	0.000	0.025	0.000	0.009	0.000
	SUM	-0.423	0.002	1.070	-0.015	0.340	-0.017
	RESP	0.970	0.000	0.096	0.000	0.070	0.000
	TOTAL	1.393	0.002	1.165	0.015	0.410	0.017
A100M	GR	0.000	0.007	0.000	-0.016	0.000	-0.018
	T1	-0.498	0.000	1.161	0.000	0.186	0.000
	P1	-0.012	0.000	0.028	0.000	0.005	0.000
	SUM	-0.511	0.007	1.189	-0.016	0.191	-0.018
	RESP	0.944	0.000	0.040	0.000	0.165	0.000
	TOTAL	1.454	0.007	1.229	0.016	0.356	0.018
A100F	GR	0.000	0.002	0.000	-0.020	0.000	-0.019
	T1	-0.565	0.000	1.152	0.000	0.028	0.000
	P1	-0.014	0.000	0.028	0.000	0.000	0.000
	SUM	-0.577	0.002	1.179	-0.020	0.028	-0.019
	RESP	0.837	0.000	0.001	0.000	0.257	0.000
	TOTAL	1.414	0.002	1.180	0.020	0.285	0.019
A101	GR	0.000	0.000	0.000	-0.022	0.000	-0.019
	T1	-0.565	0.000	1.144	0.000	0.001	0.000
	P1	-0.014	0.000	0.027	0.000	0.001	0.000
	SUM	-0.579	0.000	1.172	-0.022	0.000	-0.019
	RESP	0.810	0.000	0.001	0.000	0.272	0.000
	TOTAL	1.388	0.000	1.173	0.022	0.272	0.019
A102	GR	0.000	0.000	0.000	0.008	0.000	-0.016
	T1	-0.140	0.000	0.944	0.000	-0.128	0.000
	P1	-0.009	0.000	0.023	0.000	-0.004	0.000
	SUM	-0.140	0.000	0.967	0.008	-0.132	-0.016
	RESP	0.000	0.000	0.001	0.000	0.162	0.000
	TOTAL	0.140	0.000	0.967	0.008	0.294	0.016

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A115	GR	0.001	0.000	0.000	0.019	0.001	-0.015
	T1	-0.183	0.000	-1.148	-0.170	0.000	0.048
	P1	-0.004	0.000	-0.028	-0.001	-0.004	0.001
	SUM	-0.186	0.000	-1.175	-0.018	-0.173	0.034
	TOTAL	0.537	0.000	0.000	0.003	0.255	0.009
A114N	GR	0.001	0.002	0.000	0.018	0.001	-0.015
	T1	-0.163	-0.003	-1.156	-0.034	-0.207	0.046
	P1	-0.003	0.000	-0.028	-0.001	-0.005	0.001
	SUM	-0.166	-0.001	-1.183	-0.017	-0.211	0.032
	TOTAL	0.563	0.000	0.000	0.003	0.248	0.008
A114M	GR	0.001	0.007	0.001	0.017	0.000	-0.016
	T1	0.002	-0.009	-1.122	-0.029	-0.422	0.032
	P1	0.000	0.000	-0.027	-0.001	-0.010	0.001
	SUM	0.003	-0.002	-1.149	-0.013	-0.432	0.018
	TOTAL	0.675	0.001	0.045	0.004	0.200	0.005
A114F	GR	0.001	0.002	0.001	0.013	0.000	-0.021
	T1	0.139	-0.002	-0.873	-0.025	-0.628	0.018
	P1	-0.003	0.000	-0.021	-0.001	-0.015	0.000
	SUM	0.144	0.000	-0.894	-0.012	-0.643	-0.002
	TOTAL	0.712	0.000	0.128	0.004	0.139	0.002
A115	GR	0.001	0.000	0.001	0.012	0.000	-0.023
	T1	0.146	0.000	-0.806	-0.024	-0.660	0.016
	P1	0.000	0.000	-0.020	-0.001	-0.016	0.000
	SUM	0.151	0.000	-0.825	-0.013	-0.676	-0.007
	TOTAL	0.712	0.000	0.142	0.004	0.127	0.002
A116	GR	0.001	0.000	0.000	-0.018	0.000	0.028
	T1	0.337	0.000	1.197	-0.004	-0.614	-0.003
	P1	0.009	0.000	-0.029	-0.000	-0.015	0.000
	SUM	0.346	0.000	1.226	-0.022	-0.629	0.025
	TOTAL	0.712	0.000	0.126	0.001	0.124	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A117N	GR	0.001	0.003	0.000	-0.019	0.000	0.026
	T1	0.014	0.000	1.225	-0.003	-0.578	-0.002
	P1	0.009	0.000	0.031	-0.001	-0.014	0.000
	SUM	0.354	0.003	1.290	-0.022	-0.592	0.024
	TOTAL	0.712	0.000	0.113	0.001	0.133	0.000
A117M	GR	0.001	0.010	0.000	-0.024	0.000	0.025
	T1	0.469	-0.001	1.479	0.000	-0.352	0.000
	P1	0.012	0.000	0.036	0.000	-0.008	0.000
	SUM	0.482	0.010	1.515	-0.023	-0.360	0.024
	TOTAL	1.066	0.003	1.403	0.023	0.724	0.024
A117F	GR	0.001	0.003	0.000	-0.028	0.000	0.025
	T1	0.596	0.000	1.498	0.002	-0.118	0.000
	P1	0.015	0.000	0.036	0.000	-0.002	0.000
	SUM	0.611	0.003	1.534	-0.026	-0.120	0.025
	TOTAL	1.197	0.003	1.534	0.026	0.324	0.025
A118	GR	0.001	0.000	0.000	-0.029	0.000	0.025
	T1	0.606	0.000	1.490	0.001	-0.078	0.000
	P1	0.015	0.000	0.036	0.000	-0.001	0.000
	SUM	0.622	0.000	1.526	-0.028	-0.079	0.000
	TOTAL	1.186	0.000	1.526	0.028	0.288	0.025
A119	GR	0.000	0.000	0.000	0.008	0.000	0.021
	T1	0.078	0.000	1.278	0.000	0.168	0.000
	P1	0.000	0.000	0.031	0.000	0.005	0.000
	SUM	0.078	0.000	1.309	0.007	0.172	0.022
	TOTAL	0.078	0.000	1.309	0.000	0.102	0.000
A120	GR	0.000	0.000	0.000	-0.002	0.000	0.018
	T1	0.065	0.000	1.065	0.000	-0.028	0.000
	P1	0.000	0.000	0.026	0.000	-0.001	0.000
	SUM	0.065	0.000	1.091	-0.002	-0.029	0.018
	TOTAL	0.065	0.000	1.091	0.002	0.056	0.018

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A121	GR	0.000	0.000	0.000	0.001	0.000	0.014
	T1	0.000	0.000	0.852	0.000	0.025	0.000
	P1	0.000	0.000	0.020	0.000	0.000	0.000
	SUM	0.000	0.000	0.873	0.001	0.026	0.014
	RESP	0.000	0.000	0.000	0.000	0.007	0.000
	TOTAL	0.000	0.000	0.873	0.001	0.033	0.014
A122	GR	0.000	0.000	0.000	0.000	0.000	0.011
	T1	0.000	0.000	0.659	0.000	-0.007	0.000
	P1	0.000	0.000	0.015	0.000	0.000	0.000
	SUM	0.000	0.000	0.655	0.000	-0.007	0.011
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.655	0.000	0.009	0.011
A123	GR	0.000	0.000	0.000	0.000	0.000	0.007
	T1	0.000	0.000	0.426	0.000	0.002	0.000
	P1	0.000	0.000	0.010	0.000	0.000	0.000
	SUM	0.000	0.000	0.436	0.000	0.002	0.007
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.436	0.000	0.002	0.007
A124	GR	0.000	0.000	0.000	0.000	0.000	0.004
	T1	0.000	0.000	0.239	0.000	-0.007	0.000
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.218	0.000	0.000	0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.218	0.000	0.001	0.004
A125	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A126	GR	0.000	0.000	0.000	0.000	0.000	0.003
	T1	0.000	0.000	0.213	0.000	0.000	0.005
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.218	0.000	0.000	0.008
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.218	0.000	0.000	0.008

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A127	GR	0.000	0.000	0.000	0.000	0.000	0.005
	T1	0.000	0.000	-0.426	0.000	-0.001	0.010
	P1	0.000	0.000	-0.010	0.000	0.000	0.000
	SUM	0.000	0.000	-0.436	0.000	-0.001	0.015
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.436	0.000	0.001	0.016
A128	GR	0.000	0.000	0.000	0.000	0.000	0.008
	T1	0.000	0.000	-0.638	0.000	0.002	0.015
	P1	0.000	0.000	-0.015	0.000	0.000	0.000
	SUM	0.000	0.000	-0.654	0.000	0.002	0.023
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.654	0.000	0.005	0.023
A129	GR	0.000	0.000	0.000	0.000	0.000	0.010
	T1	0.000	0.000	-0.851	0.000	-0.009	0.020
	P1	0.000	0.000	-0.020	0.000	0.000	0.001
	SUM	0.000	0.000	-0.872	-0.001	-0.009	0.031
	RESP	0.000	0.000	0.000	0.000	0.009	0.000
	TOTAL	0.000	0.000	0.872	0.001	0.018	0.031
A130	GR	0.000	0.000	0.000	0.002	0.000	0.013
	T1	0.000	0.000	-1.064	0.001	0.033	0.025
	P1	0.000	0.000	-0.026	0.000	0.001	0.001
	SUM	0.000	0.000	-1.090	0.002	0.034	0.039
	RESP	0.000	0.000	0.000	0.000	0.033	0.000
	TOTAL	0.000	0.000	1.090	0.002	0.067	0.039
A131	GR	0.000	0.000	0.000	-0.006	0.000	0.016
	T1	0.068	0.000	-1.277	-0.002	-0.195	0.030
	P1	0.000	0.000	-0.031	0.000	0.005	0.001
	SUM	0.068	0.000	-1.307	-0.008	-0.200	0.046
	RESP	0.000	0.000	0.000	0.000	0.123	0.000
	TOTAL	0.068	0.000	1.307	0.008	0.323	0.047
A132	GR	0.000	0.000	0.000	0.023	0.000	0.018
	T1	0.502	0.000	-1.488	0.009	0.223	0.035
	P1	0.000	0.000	-0.036	0.000	0.005	0.001
	SUM	0.514	0.000	-1.524	0.032	0.228	0.054
	RESP	0.662	0.000	0.000	0.000	0.231	0.000
	TOTAL	1.176	0.000	1.524	0.033	0.459	0.054

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A133N	GR	0.000	0.002	0.000	0.020	0.000	0.018
	T1	-0.476	0.001	-1.436	0.011	0.275	0.035
	P1	0.012	0.000	-0.036	0.000	0.006	0.001
	SUM	0.488	0.003	-1.532	0.032	0.281	0.054
	TOTAL	0.685	0.000	0.000	0.000	0.223	0.000
A133M	GR	0.000	0.007	0.000	0.014	0.000	0.017
	T1	0.255	0.004	-1.436	0.029	0.576	0.033
	P1	0.006	0.000	-0.035	0.001	0.014	0.001
	SUM	0.262	0.011	-1.470	0.044	0.589	0.051
	TOTAL	0.785	0.000	0.039	0.000	0.175	0.000
A133F	GR	-0.001	0.002	0.001	0.010	0.000	0.016
	T1	0.080	0.001	-1.092	0.052	0.848	0.022
	P1	-0.002	0.000	-0.027	0.001	0.020	0.001
	SUM	0.081	0.003	-1.117	0.064	0.868	0.039
	TOTAL	0.817	0.000	0.111	0.000	0.118	0.000
A134	GR	-0.001	0.000	0.001	0.009	0.000	0.016
	T1	0.072	0.000	-0.998	0.057	0.890	0.019
	P1	-0.002	0.000	-0.024	0.001	0.022	0.000
	SUM	0.073	0.000	-1.021	0.067	0.911	0.036
	TOTAL	0.817	0.000	0.123	0.000	0.106	0.000
I134	GR	-0.001	0.000	0.001	-0.009	0.000	-0.016
	T1	-0.074	0.000	-0.998	0.057	0.890	0.019
	P1	-0.002	0.000	0.024	0.001	0.022	0.000
	SUM	-0.076	0.000	-1.023	0.049	0.912	0.003
	TOTAL	0.817	0.000	0.123	0.000	0.106	0.000
A135N	GR	-0.001	0.002	0.001	-0.010	0.000	-0.016
	T1	-0.082	-0.001	1.092	0.052	0.848	0.022
	P1	-0.002	0.000	0.027	0.001	0.020	0.001
	SUM	-0.084	0.000	1.119	0.044	0.868	0.007
	TOTAL	0.817	0.000	0.111	0.000	0.118	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A135M	GR	0.000	0.007	0.000	-0.014	0.000	-0.017
	T1	-0.257	0.001	-1.436	0.029	0.576	0.033
	P1	-0.006	0.000	0.035	0.000	0.014	0.001
	SUM	-0.264	0.002	-1.471	0.015	0.589	0.017
	TOTAL	0.785	0.000	0.039	0.000	0.175	0.000
A135F	GR	0.000	0.002	0.000	-0.021	0.000	-0.018
	T1	-0.478	-0.001	-1.496	0.011	0.275	0.035
	P1	-0.012	0.000	0.036	0.000	0.006	0.001
	SUM	-0.489	0.001	-1.532	-0.009	0.281	0.017
	TOTAL	0.685	0.000	0.000	0.000	0.223	0.000
A136	GR	0.000	0.000	0.000	-0.023	0.000	-0.018
	T1	-0.504	0.000	-1.488	0.009	0.223	0.035
	P1	-0.012	0.000	0.036	0.000	0.006	0.001
	SUM	-0.515	0.000	-1.524	-0.013	0.228	0.017
	TOTAL	0.662	0.000	0.000	0.000	0.231	0.000
A137	GR	0.000	0.000	0.000	0.006	0.000	-0.016
	T1	-0.068	0.000	-1.277	-0.002	-0.195	0.030
	P1	0.000	0.000	0.031	0.000	-0.005	0.001
	SUM	-0.068	0.000	-1.307	0.003	-0.200	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.123	0.000
A138	GR	0.000	0.000	0.000	-0.002	0.000	-0.013
	T1	0.000	0.000	-1.064	-0.001	0.033	0.025
	P1	0.000	0.000	0.026	0.000	0.001	0.001
	SUM	0.000	0.000	-1.090	-0.001	0.034	0.012
	TOTAL	0.000	0.000	0.000	0.000	0.033	0.000
A139	GR	0.000	0.000	0.000	0.000	0.000	-0.011
	T1	0.000	0.000	0.851	0.000	-0.009	0.020
	P1	0.000	0.000	0.020	0.000	0.000	0.001
	SUM	0.000	0.000	0.872	0.000	-0.009	0.012
	TOTAL	0.000	0.000	0.872	0.000	0.009	0.000

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A140	GR	0.000	0.000	0.000	0.000	0.000	-0.008
	T1	0.000	0.000	0.638	0.000	0.002	0.015
	P1	0.000	0.000	0.015	0.000	0.000	0.000
	SUM	0.000	0.000	0.654	0.000	0.002	0.007
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.000	0.000	0.654	0.000	0.005	0.008
A141	GR	0.000	0.000	0.000	0.000	0.000	-0.005
	T1	0.000	0.000	0.426	0.000	-0.001	0.010
	P1	0.000	0.000	0.010	0.000	0.000	0.000
	SUM	0.000	0.000	0.436	0.000	-0.001	0.005
	RESP	0.000	0.000	0.000	0.000	0.001	0.000
	TOTAL	0.000	0.000	0.436	0.000	0.001	0.005
A142	GR	0.000	0.000	0.000	0.000	0.000	-0.003
	T1	0.000	0.000	0.213	0.000	0.000	0.005
	P1	0.000	0.000	0.005	0.000	0.000	0.000
	SUM	0.000	0.000	0.218	0.000	0.000	0.002
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.218	0.000	0.000	0.002
A143	GR	0.000	0.000	0.000	0.000	0.000	0.000
	T1	0.000	0.000	0.000	0.000	0.000	0.000
	P1	0.000	0.000	0.000	0.000	0.000	0.000
	SUM	0.000	0.000	0.000	0.000	0.000	0.000
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	0.000	0.000	0.000
A144	GR	0.000	0.000	0.000	0.000	0.000	0.004
	T1	0.000	0.000	-0.213	0.000	0.004	0.000
	P1	0.000	0.000	-0.005	0.000	0.000	0.000
	SUM	0.000	0.000	-0.218	0.000	0.004	0.004
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.218	0.000	0.004	0.004
A145	GR	0.000	0.000	0.000	0.000	0.000	0.008
	T1	0.000	0.000	-0.426	0.000	-0.017	0.000
	P1	0.000	0.000	-0.010	0.000	0.000	0.000
	SUM	0.000	0.000	-0.436	0.000	-0.017	0.008
	RESP	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.437	0.000	0.018	0.008

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A146	GR	0.000	0.000	0.000	0.000	0.000	0.012
	T1	0.080	0.000	-0.639	0.000	-0.019	0.000
	P1	0.000	0.000	0.015	0.000	0.000	0.000
	SUM	0.080	0.000	-0.655	0.000	-0.019	0.012
	RESP	0.000	0.000	0.000	0.000	0.002	0.000
	TOTAL	0.080	0.000	0.655	0.000	0.020	0.012
A147	GR	0.000	0.000	0.000	-0.001	0.000	0.016
	T1	0.107	0.000	-0.853	0.000	-0.019	0.000
	P1	0.000	0.000	-0.020	0.000	0.000	0.000
	SUM	0.107	0.000	-0.873	-0.001	-0.019	0.016
	RESP	0.000	0.000	0.000	0.000	0.007	0.000
	TOTAL	0.107	0.000	0.873	0.001	0.026	0.016
A148	GR	0.000	0.000	0.000	0.002	0.000	0.019
	T1	0.134	0.000	-1.066	0.000	0.038	0.000
	P1	0.000	0.000	-0.026	0.000	0.001	0.000
	SUM	0.134	0.000	-1.091	0.002	0.040	0.019
	RESP	0.000	0.000	0.000	0.000	0.025	0.000
	TOTAL	0.134	0.000	1.091	0.002	0.065	0.019
A149	GR	0.000	0.000	0.000	-0.008	0.000	0.023
	T1	0.161	0.000	-1.279	0.000	-0.190	0.000
	P1	0.000	0.000	-0.031	0.000	-0.005	0.000
	SUM	0.161	0.000	-1.309	0.000	-0.196	0.023
	RESP	0.000	0.000	0.000	0.000	0.094	0.000
	TOTAL	0.161	0.000	1.310	0.008	0.289	0.023
A150	GR	0.000	0.000	0.000	0.030	0.000	0.027
	T1	0.899	0.000	-1.491	0.000	-0.075	0.000
	P1	0.021	0.000	-0.036	0.000	-0.002	0.000
	SUM	0.921	0.000	-1.526	0.030	-0.077	0.027
	RESP	0.478	0.000	0.000	0.000	0.149	0.000
	TOTAL	1.399	0.000	1.527	0.030	0.226	0.027
A151N	GR	0.000	0.003	0.000	0.029	0.000	0.027
	T1	0.905	0.000	-1.498	0.000	-0.043	0.000
	P1	0.022	0.000	-0.036	0.000	-0.002	0.000
	SUM	0.927	0.003	-1.534	0.029	-0.044	0.027
	RESP	0.479	0.000	0.000	0.000	0.141	0.000
	TOTAL	1.420	0.003	1.535	0.029	0.186	0.027

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A151M	GR	0.000	0.011	0.000	0.026	0.000	0.027
	T1	0.368	0.000	-1.518	0.000	0.147	0.000
	P1	0.021	0.000	-0.037	0.000	0.004	0.000
	SUM	0.889	0.011	-1.555	0.026	0.151	0.027
	RESP	0.553	0.000	0.023	0.000	0.097	0.000
	TOTAL	1.442	0.011	-1.577	0.026	0.248	0.027
A151F	GR	0.000	0.003	0.000	0.025	0.000	0.027
	T1	0.788	0.000	-1.411	0.000	0.330	0.000
	P1	0.019	0.000	-0.034	0.000	0.009	0.000
	SUM	0.807	0.003	-1.445	0.025	0.339	0.027
	RESP	0.569	0.000	0.058	0.000	0.052	0.000
	TOTAL	1.376	0.003	1.503	0.025	0.391	0.027
A152	GR	0.000	0.000	0.000	0.024	0.000	0.028
	T1	0.781	0.000	-1.375	0.000	0.359	0.000
	P1	0.018	0.000	-0.033	0.000	0.010	0.000
	SUM	0.799	0.000	-1.408	0.024	0.368	0.028
	RESP	0.569	0.000	0.063	0.000	0.045	0.000
	TOTAL	1.368	0.000	1.472	0.024	0.413	0.028
A153	GR	0.000	0.000	0.000	0.014	0.000	-0.009
	T1	0.880	0.000	-0.133	0.000	0.286	0.000
	P1	0.014	0.000	0.000	0.000	0.007	0.000
	SUM	0.594	0.000	-0.133	0.014	0.292	-0.009
	RESP	0.569	0.000	0.000	0.000	0.062	0.000
	TOTAL	1.163	0.000	0.133	0.014	0.354	0.009
A154	GR	0.000	-0.005	0.000	0.009	0.000	0.003
	T1	0.490	0.000	0.000	0.000	0.014	0.000
	P1	0.011	0.000	0.003	0.000	-0.001	0.000
	SUM	0.501	-0.005	0.028	0.009	0.013	0.003
	RESP	0.569	0.000	0.066	0.000	0.029	0.000
	TOTAL	1.070	0.005	0.094	0.009	0.041	0.003
A155	GR	0.000	0.000	0.000	0.003	0.000	0.008
	T1	0.380	0.000	0.000	0.000	0.014	0.000
	P1	0.009	0.000	0.000	0.000	-0.001	0.000
	SUM	0.389	0.000	0.000	0.003	0.013	0.008
	RESP	0.569	0.000	0.000	0.000	0.140	0.000
	TOTAL	0.958	0.000	0.000	0.003	0.153	0.008

DISPLACEMENTS

Point name	Load combination	TRANSLATIONS (in)			ROTATIONS (deg)		
		X	Y	Z	X	Y	Z
A156	GR	0.000	0.000	0.000	-0.009	0.000	-0.013
	T1	0.166	0.000	-1.194	0.000	0.000	0.000
	P1	0.004	0.000	0.004	0.000	0.000	0.000
	SUM	0.170	0.000	0.199	-0.009	-0.004	-0.013
	RESP	0.569	0.000	0.583	0.000	0.128	0.000
	TOTAL	0.738	0.000	0.782	0.009	0.131	0.013
A157N	GR	0.000	0.001	0.000	-0.009	0.000	-0.010
	T1	0.158	0.000	0.193	0.000	0.018	0.000
	P1	0.003	0.000	0.004	0.000	0.000	0.000
	SUM	0.162	0.001	0.198	-0.009	-0.018	-0.010
	RESP	0.569	0.000	0.592	0.000	0.126	0.000
	TOTAL	0.730	0.001	0.790	0.009	0.144	0.010
A157M	GR	0.000	0.001	0.000	-0.008	0.000	0.000
	T1	0.137	0.000	0.150	0.000	-0.101	0.000
	P1	0.003	0.000	0.003	0.000	-0.003	0.000
	SUM	0.140	0.001	0.153	-0.008	-0.104	0.000
	RESP	0.542	0.000	0.606	0.000	0.194	0.000
	TOTAL	0.682	0.001	0.760	0.008	0.299	0.000
A157F	GR	0.000	-0.001	0.000	-0.001	0.000	0.001
	T1	0.191	0.000	0.088	0.000	-0.167	0.000
	P1	0.004	0.000	0.001	0.000	-0.005	0.000
	SUM	0.195	-0.001	0.089	-0.001	-0.171	0.001
	RESP	0.433	0.000	0.595	0.000	0.276	0.000
	TOTAL	0.628	0.001	0.684	0.001	0.447	0.001
A159	GR	0.000	0.000	0.000	0.002	0.000	0.001
	T1	0.320	0.000	0.035	0.000	-0.177	0.000
	P1	0.008	0.000	0.000	0.000	-0.005	0.000
	SUM	0.327	0.000	0.035	0.002	-0.182	0.001
	RESP	0.227	0.000	0.595	0.000	0.308	0.000
	TOTAL	0.555	0.000	0.631	0.002	0.490	0.001
A160N	GR	0.000	0.000	0.000	0.001	0.000	0.001
	T1	0.338	0.000	0.027	0.000	-0.171	0.000
	P1	0.008	0.000	0.000	0.000	-0.005	0.000
	SUM	0.346	0.000	0.027	0.001	-0.172	0.001
	RESP	0.196	0.000	0.595	0.000	0.305	0.000
	TOTAL	0.542	0.000	0.623	0.001	0.481	0.001

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL			
				Force	Deform	Dirn	Force	Deform	
A01 A01 1 Stiff	Guide :RIGID	GR	down	160	0.000	X	0.000		
			left		0.000	Y	-160	0.000	
						Z		0.000	
	T1	down	right		183	0.000	X	-0.102	
						0.000	Y		0.000
						Z	-183	-0.065	
	P1	down	right		11	0.000	X	-0.002	
						0.000	Y		0.000
						Z	-11	0.000	
	SUM	down	right		160	0.000	X	-0.104	
					194	0.000	Y	-160	0.000
						Z	-194	-0.065	
	RESP	down	left		396	0.000	X	0.000	
						0.000	Y	0.000	0.000
						Z	396	0.000	
TOTAL	down	left		160	0.000	X	0.105		
				590	0.000	Y	160	0.000	
					Z	590	0.065		
A02 A02 1 Stiff	Inclined :RIGID	GR	back	69	0.000	X	0.000		
					0.000	Y	-69	0.000	
					Z		0.000		
	T1	back			0.000	X	-0.235		
						0.000	Y		0.000
						Z		-0.258	
	P1	back			0.000	X	-0.006		
						0.000	Y		0.000
						Z		-0.006	
	SUM	back			69	0.000	X	-0.241	
						0.000	Y	-69	0.000
						Z		-0.263	
	RESP	back			0.000	X	0.001		
						0.000	Y		0.000
						Z		0.232	
TOTAL	back			69	0.000	X	0.242		
					0.000	Y	69	0.000	
					Z		0.495		

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL		GLOBAL			
				Force	Deform	Dirn	Force	Deform	
A04 A04 2 Stiff	Inclined :RIGID	GR	back	132	0.000	X	0.000		
					0.000	Y	-132	0.000	
					Z		0.000		
	T1	back			0.000	X	-0.265		
						0.000	Y		0.000
						Z		-0.230	
	P1	back			0.000	X	-0.007		
						0.000	Y		0.000
						Z		-0.005	
	SUM	back			132	0.000	X	-0.272	
						0.000	Y	-132	0.000
						Z		-0.235	
	RESP	back			0.000	X	0.007		
						0.000	Y	0.000	0.000
						Z		0.260	
TOTAL	back			132	0.000	X	0.278		
					0.000	Y	132	0.000	
					Z		0.496		
A05 A05 1 Stiff	Guide :RIGID	GR	down	208	0.000	X	0	0.000	
			left	0	0.000	Y	-208	0.000	
					Z		0	0.000	
	T1	down	right		245	0.000	X	-173	-0.137
						0.000	Y		0.000
						Z		-173	0.137
	P1	down	right		7	0.000	X	-5	-0.004
						0.000	Y		0.000
						Z		-5	0.004
	SUM	down	right		208	0.000	X	-178	-0.141
					252	0.000	Y	-208	0.000
						Z		-178	0.141
	RESP	down	left		180	0.000	X	127	0.127
						0.000	Y		0.000
						Z		127	0.127
TOTAL	down	left		208	0.000	X	306	0.268	
				432	0.000	Y	208	0.000	
					Z		306	0.268	
A06	GR	down	191	0.000	X	0	0.000		

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A05 Stiff	1 Guide :RIGID		left	0	0.000	Y	-191	0.000
		T1	down left	0.000 125	0.000 0.000	X Y Z	89 0	-0.257 0.000 0.257
		P1	down left	0.000 5	0.000 0.000	X Y Z	4 4	-0.006 0.000 0.006
		SUM	down left	191 130	0.000 0.000	X Y Z	92 -191 92	-0.263 0.000 0.263
		RESP	down left	0.000 71	0.000 0.000	X Y Z	50	0.127 0.009 0.127
		TOTAL	down left	191 201	0.000 0.000	X Y Z	142 191 142	0.391 0.000 0.391
A07 A06 Stiff	1 Guide :RIGID		down rght	195 0	0.000 0.000	X Y Z	0 -195 0	0.000 0.000 0.000
		T1	down rght	0.000 182	0.000 0.000	X Y Z	-129	-0.377 0.000 0.377
		P1	down rght	0.000 9	0.000 0.000	X Y Z	-6	-0.009 0.000 0.009
		SUM	down rght	195 191	0.000 0.000	X Y Z	-135 -195 -135	-0.386 0.000 0.386
		RESP	down left	0.000 5	0.000 0.000	X Y Z	3	0.127 0.000 0.127
		TOTAL	down left	195 196	0.000 0.000	X Y Z	139 195 139	0.513 0.000 0.513
A08 A08	2 Guide		down left	196 0	0.000 0.000	X Y	0 -196	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z	0	0.000
		T1	down left	0.000 469	0.000 0.000	X Y Z	331	-0.349 0.000 0.643
		P1	down left	0.000 18	0.000 0.000	X Y Z	13	-0.012 0.000 0.012
		SUM	down left	196 486	0.000 0.000	X Y Z	344 -196 344	-0.362 0.000 0.656
		RESP	down left	0.000 40	0.000 0.000	X Y Z	28	0.128 0.000 0.128
		TOTAL	down left	196 526	0.000 0.000	X Y Z	372 196 372	0.489 0.000 0.783
A09 A09 Stiff	1 Inclined :RIGID		back	146	0.000	X Y Z	-146	0.000 0.000 0.000
		T1	back	0.000	0.000	X Y Z	0	0.139 0.000 1.356
		P1	back	0.000	0.000	X Y Z	0	0.003 0.000 0.033
		SUM	back	146	0.000	X Y Z	-146	0.141 0.000 1.388
		RESP	back	0.000	0.000	X Y Z	0	0.109 0.000 0.146
		TOTAL	back	146	0.000	X Y Z	146	0.250 0.000 1.535
A11 A11 Stiff	1 Inclined :RIGID		back	108	0.000	X Y Z	-108	0.000 0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL			
			Dirn	Force	Deform	Dirn	Force	Deform	
T1	back				0.000	X		0.155	
			Y			Y		0.000	
			Z			Z		1.340	
P1	back				0.000	X		0.004	
			Y			Y		0.000	
			Z			Z		0.032	
SUM	back	108	0.000			X		0.158	
				Y		-108	Y		0.000
				Z			Z		1.372
RESP	back					X		0.097	
				Y			Y		0.000
				Z			Z		0.097
TOTAL	back	108	0.000			X		0.256	
				Y		108	Y		0.000
				Z			Z		1.470
A12 A12 2 Stiff :RIGID	Guide :RIGID	GR	down left	195	0.000	X		0	
				0	0.000	Y		-195	
						Z		0	
T1	down left				0.000	X		-387	
				547	0.000	Y		0.517	
					0.000	Z		387	
P1	down left				0.000	X		-13	
				18	0.000	Y		0.016	
					0.000	Z		13	
SUM	down left	195	0.000			X		-399	
				564	0.000	Y		0.533	
					0.000	Z		-195	
RESP	down left				0.000	X		68	
				97	0.000	Y		0.000	
					0.000	Z		68	
TOTAL	down left	195	0.000			X		467	
				661	0.000	Y		0.533	
					0.000	Z		195	
A13 A13 1 Stiff :RIGID	Guide :RIGID	GR	down left	216	0.000	X		0	
				0	0.000	Y		-216	
					0.000	Z		0	
T1	down				0.000	X		145	
						Y		0.413	
						Z			

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
P1	down right				0.000	X		5
				7	0.000	Y		0.013
					0.000	Z		-5
SUM	down right	216	0.000			X		150
				212	0.000	Y		-216
					0.000	Z		-150
RESP	down left				0.000	X		32
				45	0.000	Y		0.000
					0.000	Z		32
TOTAL	down left	216	0.000			X		182
				258	0.000	Y		216
					0.000	Z		182
A14 A14 1 Stiff :RIGID	Guide :RIGID	GR	down left	211	0.000	X		0
				0	0.000	Y		-211
					0.000	Z		0
T1	down left				0.000	X		-11
				16	0.000	Y		0.311
					0.000	Z		11
P1	down left				0.000	X		-1
				2	0.000	Y		0.000
					0.000	Z		1
SUM	down left	211	0.000			X		-12
				18	0.000	Y		-211
					0.000	Z		12
RESP	down left				0.000	X		9
				12	0.000	Y		0.000
					0.000	Z		9
TOTAL	down left	211	0.000			X		21
				30	0.000	Y		211
					0.000	Z		21
A15 A15 1 Stiff :RIGID	Guide :RIGID	GR	down left	212	0.000	X		0
				0	0.000	Y		-212
					0.000	Z		0
T1	down left				0.000	X		-23
				33	0.000	Y		0.261
					0.000	Z		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z	23	0.261
		P1	down right		0.000	X	0	0.006
				1	0.000	Y	0	0.000
						Z	0	0.006
		SUM	down left	212	0.000	X	-23	0.267
				33	0.000	Y	-212	0.000
						Z	23	0.267
		RESP	down left		0.000	X	2	0.000
				3	0.000	Y	0	0.000
						Z	2	0.000
		TOTAL	down left	212	0.000	X	25	0.268
				36	0.000	Y	212	0.000
						Z	25	0.268
A16 A16 1 Stiff	Guide :RIGID	GR	down left	212	0.000	X	0	0.000
				0	0.000	Y	-212	0.000
						Z	0	0.000
		T1	down right		0.000	X	16	0.131
				23	0.000	Y	0	0.000
						Z	-16	0.131
		P1	down left		0.000	X	0	0.003
				0	0.000	Y	0	0.000
						Z	0	0.003
		SUM	down right	212	0.000	X	16	0.134
				23	0.000	Y	-212	0.000
						Z	-16	0.134
		RESP	down left		0.000	X	1	0.000
				1	0.000	Y	0	0.000
						Z	1	0.000
		TOTAL	down left	212	0.000	X	17	0.134
				24	0.000	Y	212	0.000
						Z	17	0.134
A18 A18 1 Stiff	Guide :RIGID	GR	down right	212	0.000	X	0	0.000
				1	0.000	Y	-212	0.000
						Z	0	0.000
		T1	up right		0.000	X	8	-0.130
				11	0.000	Y	0	0.000
						Z	-8	-0.130

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		P1	up right	0	0.000	X	0	-0.003
				0	0.000	Y	0	0.000
						Z	0	-0.003
		SUM	down right	212	0.000	X	9	-0.133
				12	0.000	Y	-212	0.000
						Z	-9	-0.133
		RESP	down left		0.000	X	3	0.000
				5	0.000	Y	0	0.000
						Z	3	0.000
		TOTAL	down left	212	0.000	X	12	0.133
				17	0.000	Y	212	0.000
						Z	12	0.133
A19 A19 1 Stiff	Guide :RIGID	GR	down left	210	0.000	X	-1	0.000
				2	0.000	Y	-210	0.000
						Z	1	0.000
		T1	down left		0.000	X	-29	-0.260
				41	0.000	Y	0	0.000
						Z	29	-0.260
		P1	down left		0.000	X	-1	-0.006
				1	0.000	Y	0	0.000
						Z	1	-0.006
		SUM	down left	211	0.000	X	-31	-0.266
				44	0.000	Y	-211	0.000
						Z	31	-0.266
		RESP	down left		0.000	X	12	0.000
				17	0.000	Y	0	0.000
						Z	12	0.000
		TOTAL	down left	211	0.000	X	43	0.267
				61	0.000	Y	211	0.000
						Z	43	0.267
A20 A20 1 Stiff	Guide :RIGID	GR	down right	218	0.000	X	5	0.000
				8	0.000	Y	-218	0.000
						Z	-5	0.000
		T1	up right		2	0.000	X	106
				151	0.000	Y	2	0.000
						Z	-106	-0.390
		P1	up		0.000	X	3	-0.009

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	4	0.000	Y	0	0.000
						Z	-3	-0.009
		SUM	down	217	0.000	X	114	-0.399
			right	162	0.000	Y	-217	0.000
						Z	-114	-0.399
		RESP	down	1	0.000	X	46	0.001
			left	65	0.000	Y	1	0.000
						Z	46	0.001
		TOTAL	down	218	0.000	X	160	0.400
			left	227	0.000	Y	218	0.000
						Z	160	0.400
A21 A21 Stiff	1 Guide :RIGID	GR	down	182	0.000	X	-19	0.000
			left	27	0.000	Y	-182	0.000
						Z	19	0.000
		T1	down	8	0.000	X	-354	-0.520
			left	501	0.000	Y	-8	0.000
						Z	354	-0.520
		P1	down	0	0.000	X	-9	-0.012
			left	12	0.000	Y	0	0.000
						Z	9	-0.012
		SUM	down	191	0.000	X	-382	-0.533
			left	540	0.000	Y	-191	0.000
						Z	382	-0.533
		RESP	down	7	0.000	X	118	0.001
			left	167	0.000	Y	7	0.000
						Z	118	0.001
		TOTAL	down	198	0.000	X	500	0.534
			left	707	0.000	Y	198	0.000
						Z	500	0.534
A22 A22 Stiff	1 Inclined :RIGID	GR	back	143	0.000	X	-0.009	0.000
						Y	-143	0.000
						Z	0.010	0.010
		T1	forw	29	0.000	X	-0.823	0.000
						Y	29	0.000
						Z	-0.406	-0.406
		P1	forw	1	0.000	X	-0.020	0.000
						Y	1	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL			
			Dirn	Force	Deform	Dirn	Force	Deform	
								X	-0.009
		SUM	back	113	0.000	X			-0.852
						Y			0.000
						Z	-113		-0.406
		RESP	back	15	0.000	X			0.126
						Y	15		0.000
						Z			0.127
		TOTAL	back	128	0.000	X			0.978
						Y	128		0.000
						Z			0.533
A25 A24 Stiff	1 Inclined :RIGID	GR	back	125	0.000	X			0.022
						Y	-125		0.000
						Z			0.022
		T1	back	149	0.000	X			-0.323
						Y	-149		0.000
						Z			-0.288
		P1	back	4	0.000	X			-0.008
						Y	-4		0.000
						Z			-0.007
		SUM	back	277	0.000	X			-0.309
						Y	-277		0.000
						Z			-0.273
		RESP	back	10	0.000	X			0.206
						Y	10		0.000
						Z			0.165
		TOTAL	back	287	0.000	X			0.515
						Y	287		0.000
						Z			0.438
A27 A27 Stiff	1 Inclined :RIGID	GR	back	113	0.000	X			0.046
						Y	-113		0.000
						Z			0.028
		T1	forw	51	0.000	X			0.062
						Y	51		0.000
						Z			-0.270
		P1	forw	1	0.000	X			0.002
						Y	1		0.000
						Z			-0.007

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL			
			Dirn	Force	Dirn	Force	Deform	
		SUM	back	61	0.000	X		0.110
						Y	-61	0.000
						Z		-0.249
		RESP	back	20	0.000	X	0.231	
						Y	20	0.000
						Z		0.169
		TOTAL	back	80	0.000	X	0.340	
						Y	80	0.000
						Z		0.418
A28	1	GR	down	190	0.000	X	2	0.037
A28	1	Stiff	right	26	0.000	Y	-189	-0.006
						Z	-34	0.037
		T1	down	31	0.000	X	356	-0.192
			right	507	0.000	Y	-31	0.032
						Z	-361	-0.192
		P1	down	1	0.000	X	9	-0.005
			right	13	0.000	Y	-1	0.001
						Z	-9	-0.005
		SUM	down	222	0.000	X	367	-0.160
			right	545	0.000	Y	-221	0.027
						Z	-404	-0.160
		RESP	down	21	0.000	X	118	0.155
			left	166	0.000	Y	21	0.026
						Z	117	0.155
		TOTAL	down	244	0.000	X	485	0.315
			left	711	0.000	Y	242	0.053
						Z	520	0.315
A29	1	GR	down	240	0.000	X	-22	0.037
A29	1	Stiff	left	2	0.000	Y	-258	-0.006
						Z	-18	0.037
		T1	up	38	0.000	X	-176	-0.329
			left	254	0.000	Y	38	0.055
						Z	183	-0.329
		P1	up	1	0.000	X	-4	-0.008
			left	6	0.000	Y	1	0.001
						Z	5	-0.008
		SUM	down	200	0.000	X	-202	-0.300

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL		GLOBAL			
			Dirn	Force	Dirn	Force	Deform	
			left	262	0.000	Y	-199	0.050
						Z	169	-0.300
		RESP	down	17	0.000	X	68	0.155
			left	95	0.000	Y	17	0.026
						Z	67	0.155
		TOTAL	down	218	0.000	X	270	0.456
			left	358	0.000	Y	216	0.077
						Z	236	0.456
A30	1	GR	down	185	0.000	X	-27	0.037
A30	1	Stiff	left	16	0.000	Y	-184	-0.006
						Z	-4	0.037
		T1	down	76	0.000	X	394	-0.466
			right	567	0.000	Y	-76	0.079
						Z	-407	-0.466
		P1	down	2	0.000	X	10	-0.011
			right	14	0.000	Y	-2	0.002
						Z	-10	-0.011
		SUM	down	263	0.000	X	377	-0.441
			right	564	0.000	Y	-261	0.074
						Z	-421	-0.441
		RESP	down	26	0.000	X	112	0.155
			left	157	0.000	Y	25	0.026
						Z	110	0.155
		TOTAL	down	288	0.000	X	489	0.596
			left	721	0.000	Y	286	0.100
						Z	531	0.596
A31	1	GR	back	125	0.000	X	0	0.032
A31	1	Stiff				Y	-125	0.000
						Z		0.042
		T1	forw	76	0.000	X		-0.410
						Y	76	0.000
						Z		-0.716
		P1	forw	2	0.000	X		-0.010
						Y	2	0.000
						Z		-0.018
		SUM	back	48	0.000	X		-0.388
						Y	-48	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		-0.692
		RESP	back	28	0.000	X		0.237
						Y	28	0.000
						Z		0.198
		TOTAL	back	75	0.000	X		0.625
						Y	75	0.000
						Z		0.890
A33	Inclined	GR	back	83	0.000	X		0.028
A33 1	:RIGID					Y	-83	0.000
						Z		0.023
		T1	back	7	0.000	X		-0.365
						Y	-7	0.000
						Z		-0.192
		P1	back	0	0.000	X		-0.009
						Y	0	0.000
						Z		-0.005
		SUM	back	90	0.000	X		-0.346
						Y	-90	0.000
						Z		-0.174
		RESP	back	29	0.000	X		0.248
						Y	29	0.000
						Z		0.257
		TOTAL	back	119	0.000	X		0.595
						Y	119	0.000
						Z		0.431
A34	Inclined	GR	back	72	0.000	X		0.014
A34 1	:RIGID					Y	-72	0.000
						Z		0.009
		T1	forw	93	0.000	X		-0.022
						Y	93	0.000
						Z		0.222
		P1	forw	2	0.000	X		-0.001
						Y	2	0.000
						Z		0.005
		SUM	forw	22	0.000	X		-0.009
						Y	22	0.000
						Z		0.236

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		RESP	back	32	0.000	X		0.224
						Y	32	0.000
						Z		0.271
		TOTAL	back	55	0.000	X		0.233
						Y	55	0.000
						Z		0.507
A36	Inclined	GR	back	142	0.000	X		0.009
A36 1	:RIGID					Y	-142	0.000
						Z		-0.009
		T1	back	17	0.000	X		0.032
						Y	-17	0.000
						Z		0.701
		P1	back	0	0.000	X		0.000
						Y	0	0.000
						Z		0.017
		SUM	back	159	0.000	X		0.042
						Y	-159	0.000
						Z		0.709
		RESP	back	5	0.000	X		0.199
						Y	5	0.000
						Z		0.199
		TOTAL	back	164	0.000	X		0.241
						Y	164	0.000
						Z		0.909
A37	Guide	GR	down	199	0.000	X		14
A37 1	:RIGID		right	19	0.000	Y	-199	0.000
						Z		-14
		T1	up	0	0.000	X		-425
			left	601	0.000	Y	0	0.000
						Z		425
		P1	down	0	0.000	X		-11
			left	15	0.000	Y	0	0.000
						Z		11
		SUM	down	199	0.000	X		-422
			left	597	0.000	Y	-199	0.000
						Z		422
		RESP	down	0	0.000	X		123
						Y	422	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	173	0.000	Y	0	0.000
				123		Z	123	0.000
		TOTAL	down left	199	0.000	X	545	0.267
				770	0.000	Y	199	0.000
						Z	545	0.267
A38	1 Guide	GR	down	215	0.000	X	-5	0.000
A38	1 Guide		left	7	0.000	Y	-215	0.000
Stiff	:RIGID					Z	5	0.000
		T1	down	0	0.000	X	154	0.130
			right	217	0.000	Y	0	0.000
						Z	-154	0.130
		P1	up	0	0.000	X	4	0.003
			right	5	0.000	Y	0	0.000
						Z	-4	0.003
		SUM	down	215	0.000	X	153	0.133
			right	216	0.000	Y	-215	0.000
						Z	-153	0.133
		RESP	down	0	0.000	X	62	0.000
			left	87	0.000	Y	0	0.000
						Z	62	0.000
		TOTAL	down	216	0.000	X	214	0.133
			left	303	0.000	Y	216	0.000
						Z	214	0.133
A40	1 Guide	GR	down	62	0.000	X	0	0.000
A40	1 Guide		left	0	0.000	Y	-62	0.000
Stiff	:RIGID					Z	0	0.000
		T1	down	0	0.000	X	292	-0.129
			right	413	0.000	Y	0	0.000
						Z	-292	-0.129
		P1	down	0	0.000	X	9	-0.003
			right	13	0.000	Y	0	0.000
						Z	-9	-0.003
		SUM	down	62	0.000	X	301	-0.133
			right	426	0.000	Y	-62	0.000
						Z	-301	-0.133
		RESP	down	42	0.000	X	0	0.000
			left	0	0.000	Y	42	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z	0	0.000
		TOTAL	down left	104	0.000	X	301	0.133
				426	0.000	Y	104	0.000
						Z	301	0.133
A41	1 Guide	GR	down	464	0.000	X	0	0.000
A41	1 Guide		right	0	0.000	Y	-464	0.000
Stiff	:RIGID					Z	0	0.000
		T1	down	0	0.000	X	-660	-0.370
			left	934	0.000	Y	0	0.000
						Z	660	-0.148
		P1	down	0	0.000	X	-19	-0.006
			left	26	0.000	Y	0	0.000
						Z	19	-0.006
		SUM	down	464	0.000	X	-679	-0.376
			left	960	0.000	Y	-464	0.000
						Z	679	-0.154
		RESP	down	68	0.000	X	0	0.000
			left	0	0.000	Y	68	0.000
						Z	0	0.000
		TOTAL	down	532	0.000	X	679	0.376
			left	960	0.000	Y	532	0.000
						Z	679	0.154
A45	1 Guide	GR	down	450	0.000	X	0	0.000
A45	1 Guide		left	0	0.000	Y	-450	0.000
Stiff	:RIGID					Z	0	0.000
		T1	down	0	0.000	X	-807	-0.151
			left	807	0.000	Y	0	0.000
						Z	807	0.801
		P1	down	0	0.000	X	-22	0.000
			left	22	0.000	Y	0	0.000
						Z	0	0.019
		SUM	down	450	0.000	X	-828	-0.151
			left	828	0.000	Y	-450	0.000
						Z	828	0.820
		RESP	down	56	0.000	X	0	0.000
			left	0	0.000	Y	56	0.000
						Z	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		TOTAL	down left	507 828	0.000 0.000	X Y Z	828 507 0.820	0.151 0.000 0.000
A46 A46 1 Stiff	Guide :RIGID	GR	down left	129	0.000 0.000	X Y Z	0.000 -129 0.000	0.000 0.000 0.000
		T1	down right	336	0.000 0.000	X Y Z	336 -0.112 0.595	0.000 0.000 0.000
		P1	down right	9	0.000 0.000	X Y Z	9 0.000 0.014	0.000 0.000 0.000
		SUM	down right	129 346	0.000 0.000	X Y Z	346 -129 0.609	-0.112 0.000 0.000
		RESP	down left	31	0.000 0.000	X Y Z	31 0.000 0.000	0.000 0.000 0.000
		TOTAL	down left	160 346	0.000 0.000	X Y Z	346 160 0.609	0.112 0.000 0.000
A47 A47 1 Stiff	Guide :RIGID	GR	down left	262	0.000 0.000	X Y Z	-262 0.000 0.000	0.000 0.000 0.000
		T1	down left	74	0.000 0.000	X Y Z	-74 -0.073 0.389	0.000 0.000 0.000
		P1	down left	3	0.000 0.000	X Y Z	-3 0.000 0.009	0.000 0.000 0.000
		SUM	down left	262 76	0.000 0.000	X Y Z	-76 -262 0.398	-0.073 0.000 0.000
		RESP	down left	8	0.000 0.000	X Y Z	8 0.000 0.000	0.000 0.000 0.000
		TOTAL	down	271	0.000	X	76	0.073

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	76	0.000	X Y Z	271 0.000 0.398	0.000 0.000 0.000
A48 A48 1 Stiff	Guide :RIGID	GR	down left	214	0.000 0.000	X Y Z	-214 0.000 0.000	0.000 0.000 0.000
		T1	down right	1	0.000 0.000	X Y Z	1 0.000 0.195	0.000 0.000 0.000
		P1	down right	1	0.000 0.000	X Y Z	1 0.000 0.005	0.000 0.000 0.000
		SUM	down right	214 2	0.000 0.000	X Y Z	-2 -214 0.199	0.000 0.000 0.000
		RESP	down left	3	0.000 0.000	X Y Z	3 0.000 0.000	0.000 0.000 0.000
		TOTAL	down left	217 2	0.000 0.000	X Y Z	2 217 0.199	0.000 0.000 0.000
A50 A50 1 Stiff	Guide :RIGID	GR	down left	225	0.000 0.000	X Y Z	-225 0.000 0.000	0.000 0.000 0.000
		T1	down right	3	0.000 0.000	X Y Z	3 0.000 -0.196	0.000 0.000 0.000
		P1	down right	0	0.000 0.000	X Y Z	0 0.000 -0.005	0.000 0.000 0.000
		SUM	down right	225 4	0.000 0.000	X Y Z	4 -225 -0.201	0.000 0.000 0.000
		RESP	down left	2	0.000 0.000	X Y Z	2 0.000 0.000	0.000 0.000 0.000
		TOTAL	down left	225 5	0.000 0.000	X Y	5 225	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L			G L O B A L		
				Force	Deform		Dirn	Force	Deform
A51		GR				Z			0.201
A51 1	Guide		down	225	0.000	X			0.000
Stiff	:RIGID		left		0.000	Y	-225	0.000	
						Z			0.000
		T1			0.000	X	-12	0.000	
			down	12	0.000	Y		0.000	
			left			Z		-0.392	
		P1			0.000	X	0	0.000	
			down	0	0.000	Y		0.000	
			left			Z		-0.009	
		SUM			0.000	X	-13	0.000	
			down	225	0.000	Y	-225	0.000	
			left	13	0.000	Z		-0.401	
		RESP			0.000	X	6	0.000	
			down	6	0.000	Y		0.000	
			left			Z		0.000	
		TOTAL			0.000	X	19	0.000	
			down	225	0.000	Y	225	0.000	
			left	19	0.000	Z		0.401	
A52		GR			0.000	X		0.000	
A52 1	Guide		down	227	0.000	Y	-227	0.000	
Stiff	:RIGID		left			Z		0.000	
		T1			0.000	X	46	0.000	
			down	46	0.000	Y		0.000	
			right			Z		-0.588	
		P1			0.000	X	1	0.000	
			down	1	0.000	Y		0.000	
			right			Z		-0.014	
		SUM			0.000	X	47	0.000	
			down	227	0.000	Y	-227	0.000	
			right	47	0.000	Z		-0.602	
		RESP			0.000	X	23	0.000	
			down	23	0.000	Y		0.000	
			left			Z		0.000	
		TOTAL			0.000	X	70	0.000	
			down	227	0.000	Y	227	0.000	
			left	70	0.000	Z		0.602	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L		G L O B A L		
				Force	Deform	Dirn	Force	Deform
A53		GR		220	0.000	X		0.000
A53 1	Guide		down		0.000	Y	-220	0.000
Stiff	:RIGID		left			Z		0.000
		T1			0.000	X	-172	0.000
			down	172	0.000	Y		0.000
			left			Z		-0.784
		P1			0.000	X	-4	0.000
			down	4	0.000	Y		0.000
			left			Z		-0.019
		SUM			0.000	X	-176	0.000
			down	220	0.000	Y	-220	0.000
			left	176	0.000	Z		-0.802
		RESP			0.000	X	87	0.000
			down	87	0.000	Y		0.000
			left			Z		0.000
		TOTAL			0.000	X	262	0.000
			down	220	0.000	Y	220	0.000
			left	262	0.000	Z		0.802
I53		GR		244	0.000	X		0.000
I53 1	Guide		down		0.000	Y	-244	0.000
Stiff	:RIGID		left			Z		0.000
		T1			0.000	X	465	0.000
			down	465	0.000	Y		0.000
			right			Z		-0.980
		P1			0.000	X	11	0.000
			down	11	0.000	Y		0.000
			right			Z		-0.024
		SUM			0.000	X	477	0.000
			down	244	0.000	Y	-244	0.000
			right	477	0.000	Z		-1.003
		RESP			0.000	X	147	0.000
			down	147	0.000	Y		0.000
			left			Z		0.000
		TOTAL			0.000	X	624	0.000
			down	244	0.000	Y	244	0.000
			left	624	0.000	Z		1.003
A54		GR		176	0.000	X		0.000
			back					

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L			G L O B A L			
				Force	Deform		Dirn	Force	Deform	
A54 Stiff	1 :RIGID	T1	back	0.000	X	-176	0.000	Y	-176	0.000
					Y	0.000	Z	0.000		
					Z	-1.183				
	P1	back	0.000	X	0.012	X	0.495	Y	0.000	
				Y	0.000	Z	-1.183			
				Z	-0.028					
	SUM	back	176	0.000	X	0.507	X	0.507	Y	-176
					Y	0.000	Z	-1.212		
					Z	-1.212				
	RESP	back	0.000	X	0.536	X	0.536	Y	0.000	
				Y	0.000	Z	0.000			
				Z	0.000					
	TOTAL	back	176	0.000	X	1.044	X	1.044	Y	176
					Y	0.000	Z	1.212		
					Z	1.212				
A56 A56 1 Stiff	1 :RIGID	GR	back	106	0.000	X	0.000	X	0.000	
						Y	0.000	Z	-106	
						Z	0.000			
	T1	back	0.000	X	0.024	X	0.024	Y	0.000	
				Y	0.000	Z	-0.623			
				Z	-0.623					
	P1	back	0.000	X	0.001	X	0.001	Y	0.000	
				Y	0.000	Z	-0.015			
				Z	-0.015					
	SUM	back	106	0.000	X	0.024	X	0.024	Y	-106
					Y	0.000	Z	-0.638		
					Z	-0.638				
	RESP	back	0.000	X	0.661	X	0.661	Y	0.000	
				Y	0.000	Z	0.095			
				Z	0.095					
TOTAL	back	106	0.000	X	0.686	X	0.686	Y	106	
				Y	0.000	Z	0.733			
				Z	0.733					
156	1 :RIGID	GR	back	105	0.000	X	0.000	X	0.000	
						Y	0.000	Z	-105	
						Z	0.000			

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	L O C A L			G L O B A L			
				Force	Deform		Dirn	Force	Deform	
A58 A58 1 Stiff	:RIGID	T1	back	0.000	X	0.000	X	0.000		
					Y	0.000	Z	0.000		
					Z	-1.085				
	P1	back	0.000	X	0.000	X	-0.002	Y	0.000	
				Y	0.000	Z	0.026			
				Z	0.026					
	SUM	back	105	0.000	X	0.000	X	-0.091	Y	0.000
					Y	0.000	Z	1.111		
					Z	1.111				
	RESP	back	0.000	X	0.661	X	0.661	Y	0.000	
				Y	0.000	Z	0.094			
				Z	0.094					
	TOTAL	back	105	0.000	X	0.753	X	0.753	Y	105
					Y	0.000	Z	1.205		
					Z	1.205				
A59 A59 1 Stiff	1 :RIGID	GR	back	178	0.000	X	0.000	X	0.000	
						Y	0.000	Z	-178	
						Z	0.000			
	T1	back	0.000	X	0.000	X	-0.554	Y	0.000	
				Y	0.000	Z	1.640			
				Z	1.640					
	P1	back	0.000	X	0.000	X	-0.014	Y	0.000	
				Y	0.000	Z	0.039			
				Z	0.039					
	SUM	back	178	0.000	X	0.000	X	-0.568	Y	-178
					Y	0.000	Z	1.680		
					Z	1.680				
	RESP	back	0.000	X	0.538	X	0.538	Y	0.000	
				Y	0.000	Z	0.000			
				Z	0.000					
TOTAL	back	178	0.000	X	1.105	X	1.105	Y	178	
				Y	0.000	Z	1.680			
				Z	1.680					
156	1 :RIGID	GR	down left	250	0.000	X	0.000	X	0.000	
						Y	0.000	Z	-250	
						Z	0.000			

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		T1	down left	463	0.000 0.000	X Y Z	-463	0.000 0.000 1.434
		P1	down left	11	0.000 0.000	X Y Z	-11	0.000 0.000 0.034
		SUM	down left	250 474	0.000 0.000	X Y Z	-474 -250	0.000 0.000 1.468
		RESP	down left	138	0.000 0.000	X Y Z	138	0.000 0.000 0.000
		TOTAL	down left	250 612	0.000 0.000	X Y Z	612 250	0.000 0.000 1.468
A60 A60 Stiff	1 Guide :RIGID	GR	down left	231	0.000 0.000	X Y Z	-231	0.000 0.000 0.000
		T1	down right	168	0.000 0.000	X Y Z	168	0.000 0.000 1.229
		P1	down right	4	0.000 0.000	X Y Z	4	0.000 0.000 0.029
		SUM	down right	231 173	0.000 0.000	X Y Z	173 -231	0.000 0.000 1.258
		RESP	down left	80	0.000 0.000	X Y Z	80	0.000 0.000 0.000
		TOTAL	down left	231 252	0.000 0.000	X Y Z	252 231	0.000 0.000 1.259
A61 A61 Stiff	1 Guide :RIGID	GR	down left	237	0.000 0.000	X Y Z	-237	0.000 0.000 0.000
		T1	down		0.000	X	-45	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	45	0.000	Y Z		0.000 1.024
		P1	down left	1	0.000	X Y Z	-1	0.000 0.000 0.025
		SUM	down left	237 46	0.000 0.000	X Y Z	-46 -237	0.000 0.000 1.049
		RESP	down left	21	0.000	X Y Z	21	0.000 0.000 0.000
		TOTAL	down left	237 67	0.000 0.000	X Y Z	67 237	0.000 0.000 1.049
A62 A62 Stiff	1 Guide :RIGID	GR	down left	235	0.000	X Y Z	-235	0.000 0.000 0.000
		T1	down right	12	0.000	X Y Z	12	0.000 0.000 0.819
		P1	down right	0	0.000	X Y Z	0	0.000 0.000 0.020
		SUM	down right	235 12	0.000 0.000	X Y Z	12 -235	0.000 0.000 0.839
		RESP	down left	6	0.000	X Y Z	6	0.000 0.000 0.000
		TOTAL	down left	235 18	0.000 0.000	X Y Z	18 235	0.000 0.000 0.839
A63 A63 Stiff	1 Guide :RIGID	GR	down left	236	0.000	X Y Z	-236	0.000 0.000 0.000
		T1	down left	3	0.000	X Y	-3	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		0.614
		P1	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.015
		SUM	down left	236 3	0.000 0.000	X Y Z	-3 -236	0.000 0.000 0.629
		RESP	down left	2	0.000 0.000	X Y Z	2	0.000 0.000 0.000
		TOTAL	down left	236 5	0.000 0.000	X Y Z	5 236	0.000 0.000 0.629
A64 A64 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z		0.000 0.000 0.000
		T1	down right	1	0.000 0.000	X Y Z	1	0.000 0.000 0.410
		P1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 0.010
		SUM	down right	235 1	0.000 0.000	X Y Z	1 -235	0.000 0.000 0.419
		RESP	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.000
		TOTAL	down left	235 1	0.000 0.000	X Y Z	1 235	0.000 0.000 0.420
A65 A65 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z		0.000 0.000 0.000
		T1	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.205

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		P1	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.005
		SUM	down left	235 0	0.000 0.000	X Y Z	0	0.000 0.000 0.210
		RESP	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.000
		TOTAL	down left	235 0	0.000 0.000	X Y Z	0	0.000 0.000 0.210
A67 A67 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z		0.000 0.000 0.000
		T1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.205
		P1	down right	0	0.000 0.000	X Y Z	0	0.000 0.000 -0.005
		SUM	down right	235 0	0.000 0.000	X Y Z	0	0.000 0.000 -0.210
		RESP	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.000
		TOTAL	down left	235 0	0.000 0.000	X Y Z	0	0.000 0.000 0.210
A68 A68 1 Stiff	Guide :RIGID	GR	down left	235 0	0.000 0.000	X Y Z		0.000 0.000 0.000
		T1	up left	0 1	0.000 0.000	X Y Z	-1	0.000 0.000 -0.409
		P1	up	0	0.000	X	0	0.000

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SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	0	0.000	Y Z	0	0.000 -0.010
		SUM	down left	235 1	0.000 0.000	X Y Z	-1 -235	0.000 0.000 -0.419
		RESP	down left	0 0	0.000 0.000	X Y Z	0 0 0	0.000 0.000 0.000
		TOTAL	down left	235 1	0.000 0.000	X Y Z	1 235	0.000 0.000 0.419
A69 A69 Stiff	1 Guide :RIGID	GR	down right	236 0	0.000 0.000	X Y Z	0 -236	0.000 0.000 0.000
		T1	down right	0 4	0.000 0.000	X Y Z	4 0 -0.614	0.000 0.000 -0.614
		P1	down right	0 0	0.000 0.000	X Y Z	0 0 0	0.000 0.000 -0.015
		SUM	down right	236 4	0.000 0.000	X Y Z	4 -236	0.000 0.000 -0.629
		RESP	down left	0 2	0.000 0.000	X Y Z	2 0	0.000 0.000 0.000
		TOTAL	down left	236 5	0.000 0.000	X Y Z	5 236	0.000 0.000 0.629
A70 A70 Stiff	1 Guide :RIGID	GR	down left	235 0	0.000 0.000	X Y Z	0 -235	0.000 0.000 0.000
		T1	up left	0 13	0.000 0.000	X Y Z	-13 0	0.000 0.000 -0.819
		P1	up left	0 0	0.000 0.000	X Y	0 0	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		-0.020
		SUM	down left	235 14	0.000 0.000	X Y Z	-14 -235	0.000 0.000 -0.838
		RESP	down left	0 6	0.000 0.000	X Y Z	6 0	0.000 0.000 0.000
		TOTAL	down left	235 19	0.000 0.000	X Y Z	19 235	0.000 0.000 0.838
A71 A71 Stiff	1 Guide :RIGID	GR	down right	237 0	0.000 0.000	X Y Z	0 -237	0.000 0.000 0.000
		T1	down right	1 50	0.000 0.000	X Y Z	50 -1	0.000 0.000 -1.023
		P1	down right	0 1	0.000 0.000	X Y Z	1 0	0.000 0.000 -0.025
		SUM	down right	237 51	0.000 0.000	X Y Z	51 -237	0.000 0.000 -1.048
		RESP	down left	0 22	0.000 0.000	X Y Z	22 0	0.000 0.000 0.000
		TOTAL	down left	237 73	0.000 0.000	X Y Z	73 237	0.000 0.000 1.048
A72 A72 Stiff	1 Guide :RIGID	GR	down left	231 0	0.000 0.000	X Y Z	0 -231	0.000 0.000 0.000
		T1	up left	2 186	0.000 0.000	X Y Z	-186 2	0.000 0.000 -1.228
		P1	up left	0 5	0.000 0.000	X Y Z	-5 0	0.000 0.000 -0.029

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A73 A73 1 Stiff :RIGID	SUM	down left		229	0.000	X	-191	0.000
				191	0.000	Y	-229	0.000
						Z		-1.258
	RESP	down left		0	0.000	X	82	0.000
				82	0.000	Y	0	0.000
						Z		0.000
	TOTAL	down left		229	0.000	X	273	0.000
				273	0.000	Y	229	0.000
						Z		1.258
	GR	down right		250	0.000	X	0	0.000
				0	0.000	Y	-250	0.000
						Z		0.000
	T1	down right		9	0.000	X	517	0.000
				517	0.000	Y	-9	0.000
						Z		-1.433
P1	down right		0	0.000	X	13	0.000	
			13	0.000	Y	0	0.000	
					Z		-0.034	
SUM	down right		259	0.000	X	530	0.000	
			530	0.000	Y	-259	0.000	
					Z		-1.467	
RESP	down left		0	0.000	X	142	0.000	
			142	0.000	Y	0	0.000	
					Z		0.000	
TOTAL	down left		259	0.000	X	672	0.000	
			672	0.000	Y	259	0.000	
					Z		1.467	
GR	back		178	0.000	X	0	0.000	
					Y	-178	0.000	
					Z		0.000	
T1	back		101	0.000	X	0	0.591	
					Y	-101	0.000	
					Z		-1.639	
P1	back		2	0.000	X	0	0.015	
					Y	-2	0.000	
					Z		-0.039	
SUM	back		281	0.000	X		0.606	
					Y			

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A76 A76 1 Stiff :RIGID	RESP	back		3	0.000	X		0.553
						Y	3	0.000
						Z		0.000
	TOTAL	back		284	0.000	X		1.159
						Y	284	0.000
						Z		1.679
	GR	back		106	0.000	X		-0.001
						Y	-106	0.000
						Z		0.001
	T1	forw		143	0.000	X		0.057
						Y	143	0.000
						Z		-0.985
	P1	forw		4	0.000	X		0.001
						Y	4	0.000
						Z		-0.024
SUM	forw		40	0.000	X		0.058	
					Y	40	0.000	
					Z		-1.008	
RESP	back		3	0.000	X		0.680	
					Y	3	0.000	
					Z		0.097	
TOTAL	back		43	0.000	X		0.738	
					Y	43	0.000	
					Z		1.105	
GR	back		106	0.000	X		-0.001	
					Y	-106	0.000	
					Z		0.001	
T1	back		143	0.000	X		-0.057	
					Y	-143	0.000	
					Z		0.985	
P1	back		4	0.000	X		-0.001	
					Y	-4	0.000	
					Z		0.024	
SUM	back		252	0.000	X		-0.059	
					Y	-252	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		1.009
	RESP	back	3	0.000		X	0.680	
						Y	3	0.000
						Z		0.097
	TOTAL	back	255	0.000		X	0.739	
						Y	255	0.000
						Z		1.106
A78 A78 1 Stiff	Inclined :RIGID	GR	back	178	0.000	X	0.000	
						Y	-178	0.000
						Z		0.000
	T1	forw	101	0.000		X	-0.591	
						Y	0.000	
						Z	101	1.639
	P1	forw	2	0.000		X	-0.015	
						Y	2	0.000
						Z		0.039
	SUM	back	74	0.000		X	-0.605	
						Y	0.000	
						Z	-74	1.679
	RESP	back	3	0.000		X	0.553	
						Y	3	0.000
						Z		0.000
	TOTAL	back	77	0.000		X	1.158	
						Y	77	0.000
						Z		1.679
A79 A79 1 Stiff	Guide :RIGID	GR	down rght	250 0	0.000 0.000	X Y Z	0 -250 0	0.000 0.000 0.000
	T1	up left	9 517	0.000 0.000		X Y Z	-517 9 1.433	0.000 0.000 0.000
	P1	up left	0 13	0.000 0.000		X Y Z	-13 0 0.034	0.000 0.000 0.000
	SUM	down left	242 530	0.000 0.000		X Y Z	-530 -242 1.467	0.000 0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
	RESP	down left	0 142	0.000 0.000		X Y Z	142 0 0.000	0.000 0.000 0.000
	TOTAL	down left	242 672	0.000 0.000		X Y Z	672 242 0.000	0.000 0.000 1.467
A80 A80 1 Stiff	Guide :RIGID	GR	down left	231 0	0.000 0.000	X Y Z	0 -231 0	0.000 0.000 0.000
	T1	down rght	2 186	0.000 0.000		X Y Z	186 -2 1.228	0.000 0.000 0.000
	P1	down rght	0 5	0.000 0.000		X Y Z	5 0 0.000	0.000 0.000 0.029
	SUM	down rght	234 191	0.000 0.000		X Y Z	191 -234 0.000	0.000 0.000 1.258
	RESP	down left	0 82	0.000 0.000		X Y Z	82 0 0.000	0.000 0.000 0.000
	TOTAL	down left	234 273	0.000 0.000		X Y Z	273 234 1.258	0.000 0.000 0.000
A81 A81 1 Stiff	Guide :RIGID	GR	down rght	237 0	0.000 0.000	X Y Z	0 -237 0	0.000 0.000 0.000
	T1	up left	1 50	0.000 0.000		X Y Z	-50 1 1.023	0.000 0.000 0.000
	P1	up left	0 1	0.000 0.000		X Y Z	-1 0 0.025	0.000 0.000 0.000
	SUM	down left	236 51	0.000 0.000		X Y Z	-51 -236 0.000	0.000 0.000 1.048
	RESP	down	0	0.000		X	22	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
			left	22	0.000	Y	0	0.000
						Z	0	0.000
		TOTAL	down	236	0.000	X	73	0.000
			left	73	0.000	Y	236	0.000
						Z	1.048	
A82	1	GR	down	235	0.000	X	0	0.000
A82	1	Stiff	left	0	0.000	Y	-235	0.000
						Z	0.000	
		T1	down	0	0.000	X	13	0.000
			right	13	0.000	Y	0	0.000
						Z	0.819	
		P1	down	0	0.000	X	0	0.000
			right	0	0.000	Y	0	0.000
						Z	0.020	
		SUM	down	235	0.000	X	14	0.000
			right	14	0.000	Y	-235	0.000
						Z	0.838	
		RESP	down	0	0.000	X	6	0.000
			left	6	0.000	Y	0	0.000
						Z	0.000	
		TOTAL	down	235	0.000	X	19	0.000
			left	19	0.000	Y	235	0.000
						Z	0.838	
A83	1	GR	down	236	0.000	X	0	0.000
A83	1	Stiff	right	0	0.000	Y	-236	0.000
						Z	0.000	
		T1	up	0	0.000	X	-4	0.000
			left	4	0.000	Y	0	0.000
						Z	0.614	
		P1	up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z	0.015	
		SUM	down	235	0.000	X	-4	0.000
			left	4	0.000	Y	-235	0.000
						Z	0.629	
		RESP	down	0	0.000	X	2	0.000
			left	2	0.000	Y	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		0.000
		TOTAL	down	235	0.000	X	5	0.000
			left	5	0.000	Y	235	0.000
						Z		0.629
A84	1	GR	down	235	0.000	X	0	0.000
A84	1	Stiff	left	0	0.000	Y	-235	0.000
						Z	0.000	
		T1	down	0	0.000	X	1	0.000
			right	1	0.000	Y	0	0.000
						Z		0.409
		P1	down	0	0.000	X	0	0.000
			right	0	0.000	Y	0	0.000
						Z		0.010
		SUM	down	235	0.000	X	-1	0.000
			right	1	0.000	Y	-235	0.000
						Z		0.419
		RESP	down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	235	0.000	X	1	0.000
			left	1	0.000	Y	235	0.000
						Z		0.419
A85	1	GR	down	235	0.000	X		0.000
A85	1	Stiff	left	0	0.000	Y	-235	0.000
						Z		0.000
		T1	up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.205
		P1	down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.005
		SUM	down	235	0.000	X	0	0.000
			left	0	0.000	Y	-235	0.000
						Z		0.210
		RESP	down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform	Dirn	Force	Deform	
		TOTAL	down left	235 0	0.000 0.000	X Y Z	0 235 Z	0.000 0.000 0.210	
A87 A87 1 Stiff	Guide :RIGID	GR	down left	235 0	0.000 0.000	X Y Z	0 -235 Z	0.000 0.000 0.000	
		T1	down left	11	0.000 0.000	X Y Z	-11 0.000 -0.205	0.000 0.000 0.000	
		P1	down right	0	0.000 0.000	X Y Z	0 0.000 -0.005	0.000 0.000 0.000	
		SUM	down left	235 11	0.000 0.000	X Y Z	-11 -235 Z	0.000 0.000 -0.210	
		RESP	down left	0	0.000 0.000	X Y Z	0 0.000 0.000	0.000 0.000 0.000	
		TOTAL	down left	235 11	0.000 0.000	X Y Z	11 235 0.210	0.000 0.000 0.210	
A88 A88 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z	-235 0.000 0.000	0.000 0.000 0.000	
		T1	down right	20	0.000 0.000	X Y Z	20 0.000 -0.411	0.000 0.000 0.000	
		P1	down left	0	0.000 0.000	X Y Z	0 0.000 -0.010	0.000 0.000 0.000	
		SUM	down right	235 20	0.000 0.000	X Y Z	20 -235 -0.421	0.000 0.000 0.000	
		RESP	down left	1	0.000 0.000	X Y Z	1 0.000 0.000	0.000 0.000 0.000	
		TOTAL	down	235	0.000	X	20	0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform	Dirn	Force	Deform	
			down left	20	0.000	X Y Z	235 0.000 0.421	0.000 0.000 0.000	
A89 A89 1 Stiff	Guide :RIGID	GR	down left	236	0.000 0.000	X Y Z	-236 0.000 0.000	0.000 0.000 0.000	
		T1	down left	17	0.000 0.000	X Y Z	-17 0.000 -0.616	0.064 0.000 0.000	
		P1	down right	0	0.000 0.000	X Y Z	0 0.000 -0.015	0.000 0.000 0.000	
		SUM	down left	236 16	0.000 0.000	X Y Z	-16 -236 Z	0.064 0.000 -0.631	
		RESP	down left	2	0.000 0.000	X Y Z	2 0.000 0.000	0.000 0.000 0.000	
		TOTAL	down left	236 19	0.000 0.000	X Y Z	19 236 0.631	0.064 0.000 0.000	
A90 A90 1 Stiff	Guide :RIGID	GR	down left	235	0.000 0.000	X Y Z	-235 0.000 0.000	0.000 0.000 0.000	
		T1	down right	2	0.000 0.000	X Y Z	2 0.000 -0.821	0.086 0.000 0.000	
		P1	down left	0	0.000 0.000	X Y Z	0 0.000 -0.020	0.000 0.000 0.000	
		SUM	down right	235 2	0.000 0.000	X Y Z	2 -235 Z	0.086 0.000 -0.841	
		RESP	down left	9	0.000 0.000	X Y Z	9 0.000 0.001	0.000 0.000 0.001	
		TOTAL	down left	235 11	0.000 0.000	X Y	11 235	0.086 0.000	

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SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A91 A91 1 Stiff	Guide :RIGID	GR	down	237	0.000	X	0.000	0.842
			left		0.000	Y	-237	0.000
						Z		0.000
	T1	down	19	0.000	X	19	0.107	
		right		0.000	Y		0.000	
					Z		-1.027	
	P1	down	1	0.000	X	1	0.000	
		right		0.000	Y		0.000	
					Z		-0.025	
	SUM	down	237	0.000	X	20	0.107	
		right	20	0.000	Y	-237	0.000	
					Z		-1.051	
	RESP	down	34	0.000	X	34	0.000	
		left		0.000	Y		0.000	
					Z		0.001	
TOTAL	down	237	0.000	X	54	0.107		
	left	54	0.000	Y	237	0.000		
				Z		1.052		
A92 A92 1 Stiff	Guide :RIGID	GR	down	230	0.000	X	0.000	
			left		0.000	Y	-230	0.000
						Z		0.000
	T1	down	78	0.000	X	-78	0.129	
		left		0.000	Y		0.000	
					Z		-1.232	
	P1	down	3	0.000	X	-3	0.000	
		left		0.000	Y		0.000	
					Z		-0.030	
	SUM	down	230	0.000	X	-81	0.129	
		left	81	0.000	Y	-230	0.000	
					Z		-1.262	
	RESP	down	127	0.000	X	127	0.000	
		left		0.000	Y		0.000	
					Z		0.001	
TOTAL	down	230	0.000	X	208	0.129		
	left	208	0.000	Y	230	0.000		
				Z		1.263		

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A93 A93 1 Stiff	Guide :RIGID	GR	down	255	0.000	X	0.000	
			left		0.000	Y	-255	0.000
						Z		0.000
	T1	down	225	0.000	X	225	0.150	
		right		0.000	Y		0.000	
					Z		-1.437	
	P1	down	7	0.000	X	7	0.000	
		right		0.000	Y		0.000	
					Z		-0.034	
	SUM	down	255	0.000	X	232	0.150	
		right	232	0.000	Y	-255	0.000	
					Z		-1.472	
	RESP	down	230	0.000	X	230	0.000	
		left		0.000	Y		0.000	
					Z		0.001	
TOTAL	down	255	0.000	X	462	0.150		
	left	462	0.000	Y	255	0.000		
				Z		1.473		
A94 A94 1 Stiff	Inclined :RIGID	GR	back	168	0.000	X	0.000	
						Y	-168	0.000
						Z		0.000
	T1	back		0.000	X		0.400	
					Y		0.000	
					Z		-1.644	
	P1	back		0.000	X		0.010	
					Y		0.000	
					Z		-0.039	
	SUM	back	168	0.000	X	-168	0.410	
					Y		0.000	
					Z		-1.684	
	RESP	back		0.000	X		0.818	
					Y		0.000	
					Z		0.001	
TOTAL	back	168	0.000	X	168	1.228		
				Y		0.000		
				Z		1.685		
A96	GR	back	130	0.000	X		0.000	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A96 1 Stiff	Inclined :RIGID					Y	-130	0.000
						Z		0.000
	T1	back		0.000		X	0.124	
						Y	0.000	
						Z	-1.381	
	P1	back		0.000		X	0.003	
						Y	0.000	
						Z	-0.033	
	SUM	back	130	0.000		X	0.127	
						Y	-130	0.000
						Z	-1.414	
	RESP	back		0.000		X	0.970	
						Y	0.000	
						Z	0.097	
	TOTAL	back	130	0.000		X	1.098	
						Y	0.000	
						Z	1.511	
A97 A97 1 Stiff	Guide :RIGID					X	0.000	
		down left	221	0.000		Y	-221	0.000
				0.000		Z		0.000
	T1	down right	597	0.000		X	-0.049	
				0.000		Y	0.000	
						Z	-0.133	
	P1	down right	19	0.000		X	-0.001	
				0.000		Y	0.000	
						Z	-19	0.000
	SUM	down right	221 617	0.000		X	-0.050	
				0.000		Y	-221	0.000
						Z	-617	-0.133
	RESP	down left	85	0.000		X	0.971	
				0.000		Y	0.000	
						Z	85	0.000
	TOTAL	down left	221 702	0.000		X	1.021	
				0.000		Y	221	0.000
						Z	702	0.133
A98 A98 1	Guide	down left	220	0.000		X	0.000	
				0.000		Y	-220	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A99 1 Stiff	Inclined :RIGID					Z		0.000
						X		-0.232
	T1	down left	556	0.000		Y	0.000	
						Z	556	0.116
	P1	down left	18	0.000		X		-0.005
				0.000		Y		0.000
						Z	18	0.000
	SUM	down left	220 574	0.000		X		-0.237
				0.000		Y	-220	0.000
						Z	574	0.116
	RESP	down left	95	0.000		X		0.971
				0.000		Y		0.000
						Z	95	0.000
	TOTAL	down left	220 669	0.000		X		1.208
				0.000		Y	220	0.000
						Z	669	0.116
A99 A99 1 Stiff	Inclined :RIGID					X	0.000	
		back	132	0.000		Y	-132	0.000
						Z		0.000
	T1	back		0.000		X		-0.405
						Y		0.000
						Z		1.009
	P1	back		0.000		X		-0.010
						Y		0.000
						Z		0.024
	SUM	back	132	0.000		X		-0.415
						Y	-132	0.000
						Z		1.033
	RESP	back		0.000		X		0.970
						Y		0.000
						Z		0.102
	TOTAL	back	132	0.000		X		1.385
						Y	132	0.000
						Z		1.135
A101 A101 1	Inclined :RIGID					X		0.000
		back	164	0.000		Y	-164	0.000
						Z		0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		T1	back		0.000	X		-0.565
						Y		0.000
						Z		1.144
		P1	back		0.000	X		-0.014
						Y		0.000
						Z		0.027
		SUM	back	164	0.000	X		-0.579
						Y	-164	0.000
						Z		1.172
		RESP	back		0.000	X		0.810
						Y		0.000
						Z		0.001
		TOTAL	back	164	0.000	X		1.388
						Y	164	0.000
						Z		1.173
A102		GR	down	241	0.000	X		0.000
A102	Guide		left		0.000	Y	-241	0.000
Stiff	:RIGID					Z		0.000
		T1	down		0.000	X		-244
			left	244	0.000	Y		-0.140
						Z		0.000
								0.944
		P1	down		0.000	X		-8
			left	8	0.000	Y		0.000
						Z		0.023
		SUM	down	241	0.000	X		-252
			left	252	0.000	Y		-241
						Z		0.967
		RESP	down		0.000	X		259
			left	259	0.000	Y		0.000
						Z		0.001
		TOTAL	down	241	0.000	X		511
			left	511	0.000	Y	241	0.140
						Z		0.967
A103		GR	down	209	0.000	X		0.000
A103	Guide		left		0.000	Y	-209	0.000
Stiff	:RIGID					Z		0.000
		T1	down		0.000	X		93
								-0.112

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	93	0.000	Y		0.000
						Z		0.755
		P1	down		0.000	X		4
			right	4	0.000	Y		0.000
						Z		0.018
		SUM	down	209	0.000	X		96
			right	96	0.000	Y	-209	-0.112
						Z		0.773
		RESP	down		0.000	X		149
			left	149	0.000	Y		0.000
						Z		0.001
		TOTAL	down	209	0.000	X		245
			left	245	0.000	Y	209	0.112
						Z		0.774
A104		GR	down	218	0.000	X		0.000
A104	Guide		left		0.000	Y	-218	0.000
Stiff	:RIGID					Z		0.000
		T1	down		0.000	X		3
			right	3	0.000	Y		-0.084
						Z		0.000
								0.566
		P1	down		0.000	X		-1
			left	1	0.000	Y		0.000
						Z		0.014
		SUM	down	218	0.000	X		2
			right	2	0.000	Y	-218	-0.084
						Z		0.580
		RESP	down		0.000	X		40
			left	40	0.000	Y		0.000
						Z		0.000
		TOTAL	down	218	0.000	X		41
			left	41	0.000	Y	218	0.084
						Z		0.580
A105		GR	down	216	0.000	X		0.000
A105	Guide		left		0.000	Y	-216	0.000
Stiff	:RIGID					Z		0.000
		T1	down		0.000	X		-27
			left	27	0.000	Y		0.000

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SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		0.378
		P1	down		0.000	X	0	0.000
			right	0	0.000	Y		0.000
						Z		0.009
		SUM	down	216	0.000	X	-26	0.000
			left	26	0.000	Y	-216	0.000
						Z		0.387
		RESP	down		0.000	X	11	0.000
			left	11	0.000	Y		0.000
						Z		0.000
		TOTAL	down	216	0.000	X	37	0.000
			left	37	0.000	Y	216	0.000
						Z		0.387
A106	Guide	GR	down	217	0.000	X	0	0.000
A106 1	:RIGID		left		0.000	Y	-217	0.000
Stiff						Z		0.000
		T1	down		0.000	X	17	0.000
			right	17	0.000	Y		0.000
						Z		0.189
		P1	down		0.000	X	0	0.000
			left	0	0.000	Y		0.000
						Z		0.005
		SUM	down	217	0.000	X	17	0.000
			right	17	0.000	Y	-217	0.000
						Z		0.193
		RESP	down		0.000	X	3	0.000
			left	3	0.000	Y		0.000
						Z		0.000
		TOTAL	down	217	0.000	X	20	0.000
			left	20	0.000	Y	217	0.000
						Z		0.193
A108	Guide	GR	down	214	0.000	X	0	0.000
A108 1	:RIGID		left	0	0.000	Y	-214	0.000
Stiff						Z		0.000
		T1	up		0.000	X	1	0.000
			right	9	0.000	Y	9	0.000
				1	0.000	Z		-0.189

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		P1	up	0	0.000	X	0	0.000
			right	0	0.000	Y	0	0.000
						Z		-0.005
		SUM	down	204	0.000	X	1	0.000
			right	1	0.000	Y	-204	0.000
						Z		-0.193
		RESP	down		0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	204	0.000	X	2	0.000
			left	2	0.000	Y	204	0.000
						Z		0.193
A109	Guide	GR	down	225	0.000	X	0	0.000
A109 1	:RIGID		right	0	0.000	Y	-225	0.000
Stiff						Z		0.000
		T1	down		0.000	X	-5	0.000
			left	32	0.000	Y	-32	0.000
				5	0.000	Z		-0.377
		P1	down		0.000	X	0	0.000
			left	1	0.000	Y	-1	0.000
				0	0.000	Z		-0.009
		SUM	down	259	0.000	X	-5	0.000
			left	5	0.000	Y	-259	0.000
						Z		-0.386
		RESP	down		0.000	X	2	0.000
			left	2	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	259	0.000	X	7	0.000
			left	7	0.000	Y	259	0.000
						Z		0.386
A110	Guide	GR	down	150	0.000	X	0	0.000
A110 1	:RIGID		right	0	0.000	Y	-150	0.000
Stiff						Z		0.000
		T1	up		0.000	X	64	0.000
			right	135	0.000	Y	135	0.000
				64	0.000	Z		-0.566
		P1	up		0.000	X	0	0.000

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SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	0	0.000	Y	3	0.000
						Z		-0.014
	SUM		down	11	0.000	X	65	0.000
			right	65	0.000	Y	-11	0.000
						Z		-0.580
	RESP		down	0	0.000	X	24	0.000
			left	24	0.000	Y	0	0.000
						Z		0.000
	TOTAL		down	11	0.000	X	89	0.000
			left	89	0.000	Y	11	0.000
						Z		0.580
A112 A112 1 Stiff	Guide :RIGID		down	124	0.000	X	0	0.000
			left	0	0.000	Y	-124	0.000
						Z		-8
	T1		down	163	0.000	X	-108	0.000
			left	108	0.000	Y	-163	0.042
						Z		-11
	P1		down	4	0.000	X	-1	0.000
			left	1	0.000	Y	-4	0.001
						Z		0
	SUM		down	291	0.000	X	-109	0.000
			left	109	0.000	Y	-290	0.043
						Z		-19
	RESP		down	0	0.000	X	54	0.000
			left	54	0.000	Y	0	0.000
						Z		0
	TOTAL		down	291	0.000	X	164	0.000
			left	164	0.000	Y	291	0.043
						Z		19
	GR		down	198	0.000	X	0	0.000
			right	0	0.000	Y	-198	0.000
						Z		-13
	T1		up	58	0.000	X	133	-0.064
			right	133	0.000	Y	58	-0.053
						Z		4
	P1		up	1	0.000	X	3	0.000
			right	3	0.000	Y	1	0.001

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z	0	-0.019
	SUM		down	138	0.000	X	136	-0.064
			right	136	0.000	Y	-138	0.054
						Z		-9
	RESP		down	1	0.000	X	138	0.000
			left	138	0.000	Y	1	0.000
						Z		0
	TOTAL		down	139	0.000	X	274	0.064
			left	274	0.000	Y	139	0.054
						Z		9
I113 I113 1 Stiff	Guide :RIGID		down	213	0.000	X	0	0.000
			left	0	0.000	Y	-212	0.000
						Z		-14
	T1		down	42	0.000	X	-303	-0.077
			left	303	0.000	Y	-42	0.064
						Z		-3
	P1		down	1	0.000	X	-8	0.000
			left	8	0.000	Y	-1	0.002
						Z		0
	SUM		down	256	0.000	X	-311	-0.077
			left	311	0.000	Y	-255	0.065
						Z		-17
	RESP		down	3	0.000	X	219	0.000
			left	219	0.000	Y	3	0.000
						Z		0
	TOTAL		down	259	0.000	X	530	0.077
			left	530	0.000	Y	258	0.065
						Z		17
A113 A113 1 Stiff	Inclined :RIGID		back	116	0.000	X		0.001
						Y	-116	0.000
						Z		0.000
	T1		forw	27	0.000	X		-0.183
						Y	27	0.000
						Z		-1.148
	P1		forw	1	0.000	X		-0.004
						Y	1	0.000
						Z		-0.028

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		SUM	back	89	0.000	X		-0.186
						Y	-89	0.000
						Z		-1.175
		RESP	back	9	0.000	X		0.537
						Y	9	0.000
						Z		0.000
		TOTAL	back	98	0.000	X		0.723
						Y	98	0.000
						Z		1.175
A115 A115 1 Stiff	Inclined :RIGID	GR	back	189	0.000	X		0.001
						Y	-189	0.000
						Z		0.001
		T1	back	3	0.000	X		0.146
						Y	-3	0.000
						Z		-0.806
		P1	back	0	0.000	X		0.004
						Y	0	0.000
						Z		-0.020
		SUM	back	192	0.000	X		0.151
						Y	-192	0.000
						Z		-0.825
		RESP	back	6	0.000	X		0.712
						Y	6	0.000
						Z		0.142
		TOTAL	back	198	0.000	X		0.864
						Y	198	0.000
						Z		0.967
A116 A116 1 Stiff	Inclined :RIGID	GR	back	165	0.000	X		0.001
						Y	-165	0.000
						Z		0.000
		T1	forw	23	0.000	X		0.337
						Y	23	0.000
						Z		1.197
		P1	forw	1	0.000	X		0.009
						Y	1	0.000
						Z		0.029
		SUM	back	141	0.000	X		0.346

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Y	-141	0.000
						Z		1.226
		RESP	back	3	0.000	X		0.712
						Y	3	0.000
						Z		0.126
		TOTAL	back	144	0.000	X		1.058
						Y	144	0.000
						Z		1.353
A118 A118 1 Stiff	Inclined :RIGID	GR	back	154	0.000	X		0.001
						Y	-154	0.000
						Z		0.000
		T1	back	11	0.000	X		0.606
						Y	-11	0.000
						Z		1.490
		P1	back	0	0.000	X		0.015
						Y	0	0.000
						Z		0.036
		SUM	back	165	0.000	X		0.622
						Y	-165	0.000
						Z		1.526
		RESP	back	1	0.000	X		0.564
						Y	1	0.000
						Z		0.000
		TOTAL	back	167	0.000	X		1.186
						Y	167	0.000
						Z		1.526
A119 A119 1 Stiff	Guide :RIGID	GR	down right	265 0	0.000 0.000	X Y	0 -265	0.000 0.000
						Z		0.000
		T1	up right	1 320	0.000 0.000	X Y	320 1	0.078 0.000
						Z		1.278
		P1	up right	0 8	0.000 0.000	X Y	8 0	0.000 0.000
						Z		0.031
		SUM	down right	264 328	0.000 0.000	X Y	328 -264	0.078 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		1.309
		RESP	down	0	0.000	X	122	0.000
			left	122	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	264	0.000	X	450	0.078
			left	450	0.000	Y	264	0.000
						Z		1.309
A120		GR	down	239	0.000	X	0	0.000
A120 1	Guide		left	0	0.000	Y	-239	0.000
Stiff	:RIGID					Z		0.000
		T1	down	0	0.000	X	-138	0.065
			left	138	0.000	Y	0	0.000
						Z		1.065
		P1	down	0	0.000	X	-3	0.000
			left	3	0.000	Y	0	0.000
						Z		0.026
		SUM	down	239	0.000	X	-142	0.065
			left	142	0.000	Y	-239	0.000
						Z		1.091
		RESP	down	0	0.000	X	74	0.000
			left	74	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	239	0.000	X	215	0.065
			left	215	0.000	Y	239	0.000
						Z		1.091
A121		GR	down	246	0.000	X	0	0.000
A121 1	Guide		right	0	0.000	Y	-246	0.000
Stiff	:RIGID					Z		0.000
		T1	up	0	0.000	X	51	0.000
			right	51	0.000	Y	0	0.000
						Z		0.852
		P1	up	0	0.000	X	1	0.000
			right	1	0.000	Y	0	0.000
						Z		0.020
		SUM	down	246	0.000	X	52	0.000
			right	52	0.000	Y	-246	0.000
						Z		0.873

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		1.309
		RESP	down	0	0.000	X	20	0.000
			left	20	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	246	0.000	X	72	0.000
			left	72	0.000	Y	246	0.000
						Z		0.873
A122		GR	down	244	0.000	X	0	0.000
A122 1	Guide		left	0	0.000	Y	-244	0.000
Stiff	:RIGID					Z		0.000
		T1	down	0	0.000	X	-18	0.000
			left	18	0.000	Y	0	0.000
						Z		0.639
		P1	down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z		0.015
		SUM	down	244	0.000	X	-19	0.000
			left	19	0.000	Y	-244	0.000
						Z		0.655
		RESP	down	0	0.000	X	5	0.000
			left	5	0.000	Y	0	0.000
						Z		0.000
		TOTAL	down	244	0.000	X	24	0.000
			left	24	0.000	Y	244	0.000
						Z		0.655
A123		GR	down	244	0.000	X	0	0.000
A123 1	Guide		right	0	0.000	Y	-244	0.000
Stiff	:RIGID					Z		0.000
		T1	up	0	0.000	X	5	0.000
			right	5	0.000	Y	0	0.000
						Z		0.426
		P1	up	0	0.000	X	0	0.000
			right	0	0.000	Y	0	0.000
						Z		0.010
		SUM	down	244	0.000	X	5	0.000
			right	5	0.000	Y	-244	0.000
						Z		0.436
		RESP	down	0	0.000	X	1	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A124 A124 1 Stiff	Guide :RIGID	TOTAL	left	1	0.000	Y	0	0.000
			down			Z	0	0.000
			left	244	0.000	X	6	0.000
		GR	down	244	0.000	X	0	0.000
			left	0	0.000	Y	-244	0.000
						Z	0.000	0.436
		T1	down	0	0.000	X	-1	0.000
			left	1	0.000	Y	0	0.000
						Z	0	0.213
		P1	down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z	0	0.005
		SUM	down	244	0.000	X	-1	0.000
			left	1	0.000	Y	-244	0.000
						Z	0	0.218
RESP	down	0	0.000	X	0	0.000		
	left	0	0.000	Y	0	0.000		
				Z	0	0.000		
TOTAL	down	244	0.000	X	2	0.000		
	left	2	0.000	Y	244	0.000		
				Z	0	0.218		
A126 A126 1 Stiff	Guide :RIGID	GR	down	244	0.000	X	0	0.000
			left	0	0.000	Y	-244	0.000
						Z	0	0.000
		T1	up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z	0	-0.213
		P1	up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z	0	-0.005
		SUM	down	244	0.000	X	-1	0.000
			left	1	0.000	Y	-244	0.000
						Z	0	-0.218
		RESP	down	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
A127 A127 1 Stiff	Guide :RIGID	TOTAL	down	244	0.000	X	1	0.000
			left	1	0.000	Y	244	0.000
						Z	0	0.218
		GR	down	244	0.000	X	0	0.000
			rght	0	0.000	Y	-244	0.000
						Z	0	0.000
		T1	down	0	0.000	X	2	0.000
			rght	2	0.000	Y	0	0.000
						Z	0	-0.426
		P1	down	0	0.000	X	0	0.000
			rght	0	0.000	Y	0	0.000
						Z	0	-0.010
		SUM	down	244	0.000	X	2	0.000
			rght	2	0.000	Y	-244	0.000
						Z	0	-0.436
RESP	down	0	0.000	X	2	0.000		
	left	2	0.000	Y	0	0.000		
				Z	0	0.000		
TOTAL	down	244	0.000	X	3	0.000		
	left	3	0.000	Y	244	0.000		
				Z	0	0.436		
A128 A128 1 Stiff	Guide :RIGID	GR	down	244	0.000	X	0	0.000
			left	0	0.000	Y	-244	0.000
						Z	0	0.000
		T1	up	0	0.000	X	-6	0.000
			left	6	0.000	Y	0	0.000
						Z	0	-0.638
		P1	up	0	0.000	X	0	0.000
			left	0	0.000	Y	0	0.000
						Z	0	-0.015
		SUM	down	244	0.000	X	-7	0.000
			left	7	0.000	Y	-244	0.000
						Z	0	-0.654
		RESP	down	0	0.000	X	6	0.000
			left	6	0.000	Y	0	0.000
						Z	0	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL			
			Dirn	Force	Deform	Dirn	Force	Deform	
TOTAL			down	244	0.000	X	13	0.000	
			left	13	0.000	Y	244	0.000	
						Z		0.654	
A129 A129 1 Stiff	Guide :RIGID	GR	down	245	0.000	X	0	0.000	
			right	0	0.000	Y	-245	0.000	
							Z		0.000
		T1	down	0	0.000	X	24	0.000	
			right	24	0.000	Y	0	0.000	
							Z		-0.851
	P1	down	0	0.000	X	1	0.000		
		right	1	0.000	Y	0	0.000		
						Z		-0.020	
	SUM	down	246	0.000	X	25	0.000		
		right	25	0.000	Y	-246	0.000		
						Z		-0.872	
RESP	down	0	0.000	X	24	0.000			
	left	24	0.000	Y	0	0.000			
					Z		0.000		
TOTAL	down	246	0.000	X	49	0.000			
	left	49	0.000	Y	246	0.000			
				Z			0.872		
A130 A130 1 Stiff	Guide :RIGID	GR	down	240	0.000	X	0	0.000	
			left	0	0.000	Y	-240	0.000	
							Z		0.000
		T1	up	2	0.000	X	-108	0.000	
			left	108	0.000	Y	2	0.000	
							Z		-1.064
	P1	up	0	0.000	X	-3	0.000		
		left	3	0.000	Y	0	0.000		
						Z		-0.026	
	SUM	down	238	0.000	X	-111	0.000		
		left	111	0.000	Y	-238	0.000		
						Z		-1.090	
RESP	down	0	0.000	X	89	0.000			
	left	89	0.000	Y	0	0.000			
					Z		0.000		
TOTAL	down	238	0.000	X	200	0.000			

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL			
			Dirn	Force	Deform	Dirn	Force	Deform	
			left	200	0.000	Y	238	0.000	
						Z		1.090	
A131 A131 1 Stiff	Guide :RIGID	GR	down	260	0.000	X	0	0.000	
			right	0	0.000	Y	-260	0.000	
							Z		0.000
		T1	down	7	0.000	X	349	0.068	
			right	349	0.000	Y	-7	0.000	
							Z		-1.277
	P1	down	0	0.000	X	9	0.000		
		right	9	0.000	Y	0	0.000		
						Z		-0.031	
	SUM	down	267	0.000	X	359	0.068		
		right	359	0.000	Y	-267	0.000		
						Z		-1.307	
RESP	down	0	0.000	X	153	0.000			
	left	153	0.000	Y	0	0.000			
					Z		0.000		
TOTAL	down	267	0.000	X	512	0.068			
	left	512	0.000	Y	267	0.000			
				Z			1.307		
A132 A132 1 Stiff	Inclined :RIGID	GR	back	171	0.000	X		0.000	
						Y	-171	0.000	
							Z		0.000
		T1	back	70	0.000	X		0.502	
						Y	-70	0.000	
							Z		-1.488
	P1	back	2	0.000	X		0.012		
					Y		0.000		
						Z		-0.036	
	SUM	back	242	0.000	X		0.514		
					Y	-242	0.000		
						Z		-1.524	
RESP	back	3	0.000	X		0.662			
				Y		0.000			
					Z		0.000		
TOTAL	back	245	0.000	X		1.176			
					Y		0.000		

UNISYS

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform	Dirn	Force	Deform	
						Z		1.524	
A134		GR	back	131	0.000	X		-0.001	
A134 1	Inclined					Y	-131	0.000	
Stiff	:RIGID					Z		0.001	
	T1	forw	89	0.000	X		89	0.072	
					Y			0.000	
					Z			-0.998	
	P1	forw	2	0.000	X			0.002	
					Y	2		0.000	
					Z			-0.024	
	SUM	back	39	0.000	X			0.073	
					Y	-39		0.000	
					Z			-1.021	
	RESP	back	3	0.000	X			0.817	
					Y	3		0.000	
					Z			0.123	
	TOTAL	back	43	0.000	X			0.889	
					Y	43		0.000	
					Z			1.144	
I134		GR	back	130	0.000	X		-0.001	
I134 1	Inclined					Y	-130	0.000	
Stiff	:RIGID					Z		0.001	
	T1	back	89	0.000	X			-0.074	
					Y	-89		0.000	
					Z			0.998	
	P1	back	2	0.000	X			-0.002	
					Y	-2		0.000	
					Z			0.024	
	SUM	back	221	0.000	X			-0.076	
					Y	-221		0.000	
					Z			1.023	
	RESP	back	3	0.000	X			0.817	
					Y	3		0.000	
					Z			0.123	
	TOTAL	back	225	0.000	X			0.893	
					Y	225		0.000	
					Z			1.146	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	Dirn	LOCAL			GLOBAL		
				Force	Deform	Dirn	Force	Deform	
A136		GR	back	171	0.000	X		0.000	
A136 1	Inclined					Y	-171	0.000	
Stiff	:RIGID					Z		0.000	
	T1	forw	70	0.000	X		70	-0.504	
					Y			0.000	
					Z			1.488	
	P1	forw	2	0.000	X			-0.012	
					Y	2		0.000	
					Z			0.036	
	SUM	back	99	0.000	X			-0.515	
					Y	-99		0.000	
					Z			1.524	
	RESP	back	3	0.000	X			0.662	
					Y	3		0.000	
					Z			0.000	
	TOTAL	back	103	0.000	X		103	1.177	
					Y			0.000	
					Z			1.524	
A137		GR	down	260	0.000	X		0.000	
A137 1	Guide		right	0	0.000	Y	-260	0.000	
Stiff	:RIGID					Z		0.000	
	T1	up	left	7	0.000	X	-349	-0.068	
				349	0.000	Y	7	0.000	
						Z		1.277	
	P1	up	left	0	0.000	X	-9	0.000	
				9	0.000	Y	0	0.000	
						Z		0.031	
	SUM	down	left	253	0.000	X	-359	-0.068	
				359	0.000	Y	-253	0.000	
						Z		1.307	
	RESP	down	left	0	0.000	X	153	0.000	
				153	0.000	Y	0	0.000	
						Z		0.000	
	TOTAL	down	left	254	0.000	X	512	0.068	
				512	0.000	Y	254	0.000	
						Z		1.307	
A138		GR	down	240	0.000	X		0.000	

12/4/98/111

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
A138 1 Stiff	Guide :RIGID		left	0	0.000	Y Z	-240	0.000 0.000
	T1		down right	2 108	0.000 0.000	X Y Z	108 -2	0.000 0.000 1.064
	P1		down right	0 3	0.000 0.000	X Y Z	3 0	0.000 0.000 0.026
	SUM		down right	242 112	0.000 0.000	X Y Z	112 -242	0.000 0.000 1.090
	RESP		down left	0 89	0.000 0.000	X Y Z	89 0	0.000 0.000 0.000
	TOTAL		down left	242 201	0.000 0.000	X Y Z	201 242	0.000 0.000 1.090
A139 A139 1 Stiff	Guide :RIGID		down right	245 0	0.000 0.000	X Y Z	0 -245	0.000 0.000 0.000
	T1		up left	0 24	0.000 0.000	X Y Z	-24 0	0.000 0.000 0.851
	P1		up left	0 1	0.000 0.000	X Y Z	-1 0	0.000 0.000 0.020
	SUM		down left	245 25	0.000 0.000	X Y Z	-25 -245	0.000 0.000 0.872
	RESP		down left	0 24	0.000 0.000	X Y Z	24 0	0.000 0.000 0.000
	TOTAL		down left	245 49	0.000 0.000	X Y Z	49 245	0.000 0.000 0.872
A140 A140 1	Guide		down left	244 0	0.000 0.000	X Y	0 -244	0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
A141 A141 1 Stiff	Guide :RIGID					Z		0.000
	T1		down right	0 6	0.000 0.000	X Y Z	6 0	0.000 0.000 0.638
	P1		down right	0 0	0.000 0.000	X Y Z	0 0	0.000 0.000 0.015
	SUM		down right	244 7	0.000 0.000	X Y Z	7 -244	0.000 0.000 0.654
	RESP		down left	0 6	0.000 0.000	X Y Z	6 0	0.000 0.000 0.000
	TOTAL		down left	244 13	0.000 0.000	X Y Z	13 244	0.000 0.000 0.654
A142 A142 1 Stiff	Guide :RIGID		down right	244 0	0.000 0.000	X Y Z	0 -244	0.000 0.000 0.000
	T1		up left	0 2	0.000 0.000	X Y Z	-2 0	0.000 0.000 0.426
	P1		up left	0 0	0.000 0.000	X Y Z	0 0	0.000 0.000 0.010
	SUM		down left	244 2	0.000 0.000	X Y Z	-2 -244	0.000 0.000 0.436
	RESP		down left	0 2	0.000 0.000	X Y Z	2 0	0.000 0.000 0.000
	TOTAL		down left	244 3	0.000 0.000	X Y Z	3 244	0.000 0.000 0.436
A142 A142 1 Stiff	Guide :RIGID		down left	244 0	0.000 0.000	X Y Z	0 -244	0.000 0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		T1	down right	0 0	0.000 0.000	X Y Z	0 0 0.213	0.000 0.000 0.000
		P1	down right	0 0	0.000 0.000	X Y Z	0 0 0.005	0.000 0.000 0.000
		SUM	down right	244 1	0.000 0.000	X Y Z	1 -244 0.218	0.000 0.000 0.000
		RESP	down left	0 0	0.000 0.000	X Y Z	0 0 0.000	0.000 0.000 0.000
		TOTAL	down left	244 1	0.000 0.000	X Y Z	1 244 0.218	0.000 0.000 0.000
A144 A144 1 Stiff	Guide :RIGID	GR	down left	244 0	0.000 0.000	X Y Z	0 -244 0.000	0.000 0.000 0.000
		T1	down left	13 0	0.000 0.000	X Y Z	-13 0 -0.213	0.000 0.000 0.000
		P1	down left	0 0	0.000 0.000	X Y Z	0 0 -0.005	0.000 0.000 0.000
		SUM	down left	244 13	0.000 0.000	X Y Z	-13 -244 -0.218	0.000 0.000 0.000
		RESP	down left	0 0	0.000 0.000	X Y Z	0 0 0.000	0.000 0.000 0.000
		TOTAL	down left	244 14	0.000 0.000	X Y Z	14 244 0.218	0.000 0.000 0.000
A145 A145 1 Stiff	Guide :RIGID	GR	down left	244 0	0.000 0.000	X Y Z	0 -244 0.000	0.000 0.000 0.000
		T1	down	0	0.000	X	25	0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	25	0.000	X Y Z	0 0 -0.426	0.000 0.000 0.000
		P1	down right	0 0	0.000 0.000	X Y Z	0 0 -0.010	0.000 0.000 0.000
		SUM	down right	244 25	0.000 0.000	X Y Z	25 -244 -0.436	0.000 0.000 0.000
		RESP	down left	1 0	0.000 0.000	X Y Z	1 0 0.000	0.000 0.000 0.000
		TOTAL	down left	244 26	0.000 0.000	X Y Z	26 244 0.437	0.000 0.000 0.000
A146 A146 1 Stiff	Guide :RIGID	GR	down left	244 0	0.000 0.000	X Y Z	0 -244 0.000	0.000 0.000 0.000
		T1	down left	30 0	0.000 0.000	X Y Z	-30 0 -0.639	0.080 0.000 0.000
		P1	down left	0 0	0.000 0.000	X Y Z	0 0 -0.015	0.000 0.000 0.000
		SUM	down left	244 30	0.000 0.000	X Y Z	-30 -244 -0.655	0.080 0.000 0.000
		RESP	down left	5 0	0.000 0.000	X Y Z	5 0 0.000	0.000 0.000 0.000
		TOTAL	down left	244 35	0.000 0.000	X Y Z	35 244 0.655	0.080 0.000 0.000
A147 A147 1 Stiff	Guide :RIGID	GR	down left	246 0	0.000 0.000	X Y Z	0 -246 0.000	0.000 0.000 0.000
		T1	down right	44 0	0.000 0.000	X Y	44 0	0.107 0.000

11/18/96

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		-0.853
	P1	down right		0.000 1 0.000	X Y Z		1 0.000 0.000	
	SUM	down right	246 45	0.000 0.000	X Y Z	45 -246	0.107 0.000 -0.873	
	RESP	down left	18	0.000 0.000	X Y Z	18	0.000 0.000 0.000	
	TOTAL	down left	246 63	0.000 0.000	X Y Z	63 246	0.107 0.000 0.873	
A148 A148 1 Stiff	GR	down left	239	0.000 0.000	X Y Z	-239	0.000 0.000 0.000	
	T1	down left	133	0.000 0.000	X Y Z	-133	0.134 0.000 -1.066	
	P1	down left	4	0.000 0.000	X Y Z	-4	0.000 0.000 -0.026	
	SUM	down left	239 137	0.000 0.000	X Y Z	-137 -239	0.134 0.000 -1.091	
	RESP	down left	68	0.000 0.000	X Y Z	68	0.000 0.000 0.000	
	TOTAL	down left	239 205	0.000 0.000	X Y Z	205 239	0.134 0.000 1.091	
A149 A149 1 Stiff	GR	down left	266	0.000 0.000	X Y Z	-266	0.000 0.000 0.000	
	T1	down right	299	0.000 0.000	X Y Z	299	0.161 0.000 -1.279	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
	P1	down right	9	0.000 0.000	X Y Z	9	0.000 0.000 -0.031	
	SUM	down right	266 307	0.000 0.000	X Y Z	307 -266	0.161 0.000 -1.309	
	RESP	down left	124	0.000 0.000	X Y Z	124	0.000 0.000 0.000	
	TOTAL	down left	266 431	0.000 0.000	X Y Z	431 266	0.161 0.000 1.310	
A150 A150 1 Stiff	Inclined :RIGID	GR	back	161	0.000	X Y Z	-161	0.000 0.000 0.000
	T1	back		0.000	X Y Z		0.899 0.000 -1.491	
	P1	back		0.000	X Y Z		0.021 0.000 -0.036	
	SUM	back	161	0.000	X Y Z	-161	0.921 0.000 -1.526	
	RESP	back		0.000	X Y Z		0.478 0.000 0.000	
	TOTAL	back	161	0.000	X Y Z	161	1.399 0.000 1.527	
A152 A152 1 Stiff	Inclined :RIGID	GR	back	151	0.000	X Y Z	-151	0.000 0.000 0.000
	T1	back		0.000	X Y Z		0.781 0.000 -1.375	
	P1	back		0.000	X		0.018	

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Y		0.000
						Z		-0.033
	SUM	back	151	0.000		X		0.799
						Y	-151	0.000
						Z		-1.408
	RESP	back		0.000		X		0.569
						Y		0.000
						Z		0.063
	TOTAL	back	151	0.000		X		1.368
						Y	151	0.000
						Z		1.472
A153 A153 1 Stiff	GR	down left	248	0.000 0.000		X Y Z		0.000 0.000 0.000
	T1	down right	413	0.000 0.000		X Y Z		0.580 0.000 -0.133
	P1	down right	12	0.000 0.000		X Y Z		0.014 0.000 -12
	SUM	down right	248 425	0.000 0.000		X Y Z		0.594 0.000 -0.133
	RESP	down left		0.000 0.000		X Y Z		0.569 0.000 0.000
			63	0.000		Z	63	0.000
	TOTAL	down left	248 488	0.000 0.000		X Y Z		1.163 248 0.000 0.133
A155 A155 1 Stiff	GR	down left	241	0.000 0.000		X Y Z		0.000 0.000 0.000
	T1	down left	273	0.000 0.000		X Y Z		0.380 0.000 0.000
	P1	down left	8	0.000 0.000		X Y		0.009 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z	8	0.000
	SUM	down left	241 281	0.000 0.000		X Y Z		0.389 0.000 -241 281
	RESP	down left		0.000 0.000		X Y Z		0.569 0.000 205
	TOTAL	down left	241 486	0.000 0.000		X Y Z		0.958 0.000 241 486
A156 A156 1 Stiff	Inclined :RIGID	GR	back	212	0.000	X Y Z		0.000 0.000 -212
	T1	back		0.000		X Y Z		0.166 0.000 0.194
	P1	back		0.000		X Y Z		0.004 0.000 0.004
	SUM	back	212	0.000		X Y Z		0.170 0.000 -212 0.199
	RESP	back		0.000		X Y Z		0.569 0.000 0.583
	TOTAL	back	212	0.000		X Y Z	212	0.738 0.000 0.782
A159 A158 1 Stiff	Inclined :RIGID	GR	back	120	0.000	X Y Z		0.000 0.000 -120
	T1	back		0.000		X Y Z		0.320 0.000 0.035
	P1	back		0.000		X Y Z		0.008 0.000 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
		SUM	back	120	0.000	X Y Z	-120	0.327 0.000 0.035
		RESP	back		0.000	X Y Z		0.227 0.000 0.595
		TOTAL	back	120	0.000	X Y Z	120	0.555 0.000 0.631
A161 A161 1 Stiff	Inclined :RIGID	GR	back	129	0.000	X Y Z	-129	0.000 0.000 0.000
		T1	back		0.000	X Y Z		0.369 0.000 -0.089
		P1	back		0.000	X Y Z		0.009 0.000 -0.003
		SUM	back	129	0.000	X Y Z	-129	0.378 0.000 -0.093
		RESP	back		0.000	X Y Z		0.001 0.000 0.411
		TOTAL	back	129	0.000	X Y Z	129	0.378 0.000 0.504
A162 A162 1 Stiff	Guide :RIGID	GR	down left	221	0.000 0.000	X Y Z	-221	0.000 0.000 0.000
		T1	down right	129	0.000 0.000	X Y Z	-129	0.216 0.000 0.000
		P1	down right	4	0.000 0.000	X Y Z	-4	0.005 0.000 0.000
		SUM	down	221	0.000	X		0.221

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	LOCAL			GLOBAL		
			Dirn	Force	Deform	Dirn	Force	Deform
			right	133	0.000	Y Z	-221 -133	0.000 0.000
		RESP	down left	216	0.000 0.000	X Y Z		0.000 0.000 0.000
		TOTAL	down left	221 349	0.000 0.000	X Y Z	221 349	0.221 0.000 0.000
A164 A164 1 Stiff	Guide :RIGID	GR	down left	199	0.000 0.000	X Y Z	-199	0.000 0.000 0.000
		T1	down right	1019	0.000 0.000	X Y Z		-0.215 0.000 -0.072
		P1	down right	38	0.000 0.000	X Y Z		-0.005 0.000 0.000
		SUM	down right	199 1057	0.000 0.000	X Y Z	-199 -1057	-0.220 0.000 -0.072
		RESP	down left	0	0.000 0.000	X Y Z	0	0.000 0.000 0.000
		TOTAL	down left	199 1057	0.000 0.000	X Y Z	199 1057	0.220 0.000 0.072
A166 A167 1 Stiff	Inclined :RIGID	GR	back	79	0.000	X Y Z	-79	0.000 0.000 0.000
		T1	back		0.000	X Y Z		-0.236 0.000 -0.095
		P1	back		0.000	X Y Z		-0.007 0.000 -0.002
		SUM	back	79	0.000	X Y	-79	-0.243 0.000

SUPPORT FORCES

Point/ Supp. ID	Connect/ Type	Load Combination	L O C A L			G L O B A L		
			Dirn	Force	Deform	Dirn	Force	Deform
						Z		-0.097
	RESP	back		0.000		X	0.000	
						Y	0.000	
						Z	0.000	
	TOTAL	back	79	0.000		X	0.243	
						Y	0.000	
						Z	0.097	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)				Result
		X	Y	Z	X	Y	Z		
A00	Anchor								
	GR	0	-45	0	45	24	0	36	43
	T1	372	0	27	373	0	-294	0	294
	P1	12	0	5	13	0	12	0	12
	SUM	383	-45	32	387	24	-282	36	285
	RESP	264	0	207	336	0	452	0	452
	TOTAL	647	45	240	692	24	734	36	736
A01	Guide								
	GR	0	-160	0	160	0	0	0	0
	T1	0	0	-183	183	0	0	0	0
	P1	0	0	-11	11	0	0	0	0
	SUM	0	-160	-194	252	0	0	0	0
	RESP	0	0	396	396	0	0	0	0
	TOTAL	0	160	590	612	0	0	0	0
A02	Inclined								
	GR	0	-69	0	69	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-69	0	69	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	69	0	69	0	0	0	0
A04	Inclined								
	GR	0	-132	0	132	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-132	0	132	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	132	0	132	0	0	0	0
A05	Guide								
	GR	0	-208	0	208	0	0	0	0
	T1	-173	0	-173	245	0	0	0	0
	P1	-5	0	-5	7	0	0	0	0
	SUM	-178	-208	-178	327	0	0	0	0
	RESP	127	0	127	180	0	0	0	0
	TOTAL	306	208	306	479	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A06	Guide								
	GR	0	-191	0	191	0	0	0	0
	T1	89	0	89	125	0	0	0	0
	P1	4	0	4	5	0	0	0	0
	SUM	92	-191	92	231	0	0	0	0
	RESP	50	0	50	71	0	0	0	0
	TOTAL	142	191	142	278	0	0	0	0
A07	Guide								
	GR	0	-195	0	195	0	0	0	0
	T1	-129	0	-129	182	0	0	0	0
	P1	-6	0	-6	9	0	0	0	0
	SUM	-135	-195	-135	273	0	0	0	0
	RESP	3	0	3	5	0	0	0	0
	TOTAL	139	195	139	276	0	0	0	0
A08	Guide								
	GR	0	-196	0	196	0	0	0	0
	T1	331	0	331	469	0	0	0	0
	P1	13	0	13	18	0	0	0	0
	SUM	344	-196	344	524	0	0	0	0
	RESP	28	0	28	40	0	0	0	0
	TOTAL	372	196	372	562	0	0	0	0
A09	Inclined								
	GR	0	-146	0	146	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-146	0	146	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	146	0	146	0	0	0	0
A11	Inclined								
	GR	0	-108	0	108	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-108	0	108	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	108	0	108	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A12	Guide								
	GR	0	-195	0	195	0	0	0	0
	T1	-387	0	387	547	0	0	0	0
	P1	-13	0	13	18	0	0	0	0
	SUM	-399	-195	399	597	0	0	0	0
	RESP	68	0	68	97	0	0	0	0
	TOTAL	467	195	467	689	0	0	0	0
A13	Guide								
	GR	0	-216	0	216	0	0	0	0
	T1	145	0	-145	205	0	0	0	0
	P1	5	0	-5	7	0	0	0	0
	SUM	150	-216	-150	303	0	0	0	0
	RESP	32	0	32	45	0	0	0	0
	TOTAL	182	216	182	336	0	0	0	0
A14	Guide								
	GR	0	-211	0	211	0	0	0	0
	T1	-11	0	11	16	0	0	0	0
	P1	-1	0	1	2	0	0	0	0
	SUM	-12	-211	12	211	0	0	0	0
	RESP	9	0	9	12	0	0	0	0
	TOTAL	21	211	21	213	0	0	0	0
A15	Guide								
	GR	0	-212	0	212	0	0	0	0
	T1	-23	0	23	33	0	0	0	0
	P1	0	0	0	1	0	0	0	0
	SUM	-23	-212	23	215	0	0	0	0
	RESP	2	0	2	3	0	0	0	0
	TOTAL	25	212	25	215	0	0	0	0
A16	Guide								
	GR	0	-212	0	212	0	0	0	0
	T1	16	0	-16	23	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	16	-212	-16	213	0	0	0	0
	RESP	1	0	1	1	0	0	0	0
	TOTAL	17	212	17	213	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A17	Anchor								
	GR	32	-212	32	217	0	1	0	1
	T1	335	0	347	482	0	-11	0	11
	P1	6	0	6	9	0	0	0	0
	SUM	373	-212	386	577	0	-10	0	10
	RESP	142	0	142	201	1	5	1	5
	TOTAL	515	212	528	767	1	15	1	15
A18	Guide								
	GR	0	-212	0	212	0	0	0	0
	T1	8	0	-8	11	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	9	-212	-9	213	0	0	0	0
	RESP	3	0	3	5	0	0	0	0
	TOTAL	12	212	12	213	0	0	0	0
A19	Guide								
	GR	-1	-210	1	210	0	0	0	0
	T1	-29	0	29	41	0	0	0	0
	P1	-1	0	1	1	0	0	0	0
	SUM	-31	-211	31	215	0	0	0	0
	RESP	12	0	12	17	0	0	0	0
	TOTAL	43	211	43	220	0	0	0	0
A20	Guide								
	GR	5	-218	-5	219	0	0	0	0
	T1	106	2	-106	151	0	0	0	0
	P1	3	0	-3	4	0	0	0	0
	SUM	114	-217	-114	271	0	0	0	0
	RESP	46	1	46	65	0	0	0	0
	TOTAL	160	218	160	315	0	0	0	0
A21	Guide								
	GR	-19	-182	19	184	0	0	0	0
	T1	-354	-8	354	501	0	0	0	0
	P1	-9	0	9	12	0	0	0	0
	SUM	-382	-191	382	573	0	0	0	0
	RESP	118	7	118	167	0	0	0	0
	TOTAL	500	198	500	734	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A22	Inclined								
	GR	0	-143	0	143	0	0	0	0
	T1	0	29	0	29	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-113	0	113	0	0	0	0
	RESP	0	15	0	15	0	0	0	0
	TOTAL	0	128	0	128	0	0	0	0
A25	Inclined								
	GR	0	-125	0	125	0	0	0	0
	T1	0	-149	0	149	0	0	0	0
	P1	0	-4	0	4	0	0	0	0
	SUM	0	-277	0	277	0	0	0	0
	RESP	0	10	0	10	0	0	0	0
	TOTAL	0	287	0	287	0	0	0	0
A27	Inclined								
	GR	0	-113	0	113	0	0	0	0
	T1	0	51	0	51	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-61	0	61	0	0	0	0
	RESP	0	20	0	20	0	0	0	0
	TOTAL	0	80	0	80	0	0	0	0
A28	Guide								
	GR	2	-189	-34	192	0	0	0	0
	T1	356	-31	-361	508	0	0	0	0
	P1	9	-1	-9	13	0	0	0	0
	SUM	367	-221	-404	589	0	0	0	0
	RESP	118	21	117	167	0	0	0	0
	TOTAL	485	242	520	752	0	0	0	0
A29	Guide								
	GR	-22	-238	-18	240	0	0	0	0
	T1	-176	38	183	257	0	0	0	0
	P1	-4	1	5	6	0	0	0	0
	SUM	-202	-199	169	330	0	0	0	0
	RESP	68	17	67	97	0	0	0	0
	TOTAL	270	216	236	419	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A30	Guide								
	GR	-27	-184	-4	186	0	0	0	0
	T1	394	-76	-407	572	0	0	0	0
	P1	10	-2	-10	14	0	0	0	0
	SUM	377	-261	-421	622	0	0	0	0
	RESP	112	25	110	159	0	0	0	0
TOTAL	489	286	531	776	0	0	0	0	
A31	Inclined								
	GR	0	-125	0	125	0	0	0	0
	T1	0	76	0	76	0	0	0	0
	P1	0	2	0	2	0	0	0	0
	SUM	0	-48	0	48	0	0	0	0
	RESP	0	28	0	28	0	0	0	0
TOTAL	0	75	0	75	0	0	0	0	
A33	Inclined								
	GR	0	-83	0	83	0	0	0	0
	T1	0	-7	0	7	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-90	0	90	0	0	0	0
	RESP	0	29	0	29	0	0	0	0
TOTAL	0	119	0	119	0	0	0	0	
A34	Inclined								
	GR	0	-72	0	72	0	0	0	0
	T1	0	93	0	93	0	0	0	0
	P1	0	2	0	2	0	0	0	0
	SUM	0	22	0	22	0	0	0	0
	RESP	0	32	0	32	0	0	0	0
TOTAL	0	55	0	55	0	0	0	0	
A36	Inclined								
	GR	0	-142	0	142	0	0	0	0
	T1	0	-17	0	17	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-159	0	159	0	0	0	0
	RESP	0	5	0	5	0	0	0	0
TOTAL	0	164	0	164	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A37	Guide								
	GR	14	-199	-14	200	0	0	0	0
	T1	-425	0	425	601	0	0	0	0
	P1	-11	0	11	15	0	0	0	0
	SUM	-422	-199	422	629	0	0	0	0
	RESP	123	0	123	173	0	0	0	0
TOTAL	545	199	545	796	0	0	0	0	
A38	Guide								
	GR	-5	-215	5	215	0	0	0	0
	T1	154	0	-154	217	0	0	0	0
	P1	4	0	-4	5	0	0	0	0
	SUM	153	-215	-153	305	0	0	0	0
	RESP	62	0	62	87	0	0	0	0
TOTAL	214	216	214	372	0	0	0	0	
A39	Anchor								
	GR	20	-248	18	250	63	7	278	285
	T1	306	0	505	590	-1	130	-1	130
	P1	9	0	15	18	0	8	0	8
	SUM	335	-248	538	681	62	144	277	318
	RESP	91	10	81	122	26	86	85	124
TOTAL	426	259	620	795	88	230	362	438	
A40	Guid-								
	GR	0	-62	0	62	0	0	0	0
	T1	292	0	-292	413	0	0	0	0
	P1	9	0	-9	13	0	0	0	0
	SUM	301	-62	-301	431	0	0	0	0
	RESP	0	42	0	42	0	0	0	0
TOTAL	301	104	301	439	0	0	0	0	
A41	Guide								
	GR	0	-464	0	464	0	0	0	0
	T1	-660	0	660	934	0	0	0	0
	P1	-19	0	19	26	0	0	0	0
	SUM	-679	-464	679	1066	0	0	0	0
	RESP	68	0	68	0	0	0	0	0
TOTAL	679	532	679	1097	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A45	Guide								
	GR	0	-450	0	450	0	0	0	0
	T1	-807	0	0	807	0	0	0	0
	P1	-22	0	0	22	0	0	0	0
	SUM	-828	-450	0	943	0	0	0	0
	RESP	0	56	0	56	0	0	0	0
	TOTAL	828	507	0	971	0	0	0	0
A46	Guide								
	GR	0	-129	0	129	0	0	0	0
	T1	336	0	0	336	0	0	0	0
	P1	9	0	0	9	0	0	0	0
	SUM	346	-129	0	369	0	0	0	0
	RESP	0	31	0	31	0	0	0	0
	TOTAL	346	160	0	381	0	0	0	0
A47	Guide								
	GR	0	-262	0	262	0	0	0	0
	T1	-74	0	0	74	0	0	0	0
	P1	-3	0	0	3	0	0	0	0
	SUM	-76	-262	0	273	0	0	0	0
	RESP	0	8	0	8	0	0	0	0
	TOTAL	76	271	0	281	0	0	0	0
A48	Guide								
	GR	0	-214	0	214	0	0	0	0
	T1	1	0	0	1	0	0	0	0
	P1	1	0	0	1	0	0	0	0
	SUM	2	-214	0	214	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	2	217	0	217	0	0	0	0
A49	Anchor								
	GR	0	-228	0	228	12	0	144	145
	T1	5	0	-824	824	0	29	0	29
	P1	0	0	-24	24	0	-1	0	1
	SUM	5	-228	-848	878	12	28	144	148
	RESP	0	1	3	3	3	2	45	45
	TOTAL	5	229	851	881	15	30	190	193

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A50	Guide								
	GR	0	-225	0	225	0	0	0	0
	T1	3	0	0	3	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	4	-225	0	225	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	5	225	0	225	0	0	0	0
A51	Guide								
	GR	0	-225	0	225	0	0	0	0
	T1	-12	0	0	12	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-13	-225	0	225	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	19	225	0	226	0	0	0	0
A52	Guide								
	GR	0	-227	0	227	0	0	0	0
	T1	46	0	0	46	0	0	0	0
	P1	1	0	0	1	0	0	0	0
	SUM	47	-227	0	231	0	0	0	0
	RESP	23	0	0	23	0	0	0	0
	TOTAL	70	227	0	237	0	0	0	0
A53	Guide								
	GR	0	-220	0	220	0	0	0	0
	T1	-172	0	0	172	0	0	0	0
	P1	-4	0	0	4	0	0	0	0
	SUM	-176	-220	0	282	0	0	0	0
	RESP	87	0	0	87	0	0	0	0
	TOTAL	262	220	0	343	0	0	0	0
153	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	465	0	0	465	0	0	0	0
	P1	11	0	0	11	0	0	0	0
	SUM	477	-244	0	535	0	0	0	0
	RESP	147	0	0	147	0	0	0	0
	TOTAL	624	244	0	669	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A54	Inclined								
	GR	0	-176	0	176	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-176	0	176	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	176	0	176	0	0	0	0	
A56	Inclined								
	GR	0	-106	0	106	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-106	0	106	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	106	0	106	0	0	0	0	
156	Inclined								
	GR	0	-105	0	105	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-105	0	105	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	105	0	105	0	0	0	0	
A58	Inclined								
	GR	0	-178	0	178	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-178	0	178	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	0	178	0	178	0	0	0	0	
A59	Guide								
	GR	0	-250	0	250	0	0	0	0
	T1	-463	0	0	463	0	0	0	0
	P1	-11	0	0	11	0	0	0	0
	SUM	-474	-250	0	536	0	0	0	0
	RESP	138	0	0	138	0	0	0	0
TOTAL	612	250	0	661	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A60	Guide								
	GR	0	-231	0	231	0	0	0	0
	T1	168	0	0	168	0	0	0	0
	P1	4	0	0	4	0	0	0	0
	SUM	173	-231	0	289	0	0	0	0
	RESP	80	0	0	80	0	0	0	0
TOTAL	252	231	0	342	0	0	0	0	
A61	Guide								
	GR	0	-237	0	237	0	0	0	0
	T1	-45	0	0	45	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	-46	-237	0	241	0	0	0	0
	RESP	21	0	0	21	0	0	0	0
TOTAL	67	237	0	246	0	0	0	0	
A62	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	12	0	0	12	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	12	-235	0	235	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
TOTAL	18	235	0	236	0	0	0	0	
A63	Guide								
	GR	0	-236	0	236	0	0	0	0
	T1	-3	0	0	3	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-3	-236	0	236	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
TOTAL	5	236	0	236	0	0	0	0	
A64	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	1	0	0	1	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	1	-235	0	235	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
TOTAL	1	235	0	235	0	0	0	0	

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)		
		X	Y	Z	X	Y	Z
A65	Guide						
	GR	0	-235	0	235	0	0
	T1	0	0	0	0	0	0
	P1	0	0	0	0	0	0
	SUM	0	-235	0	235	0	0
	RESP	0	0	0	0	0	0
	TOTAL	0	235	0	235	0	0
A66	Anchor						
	GR	0	-235	0	235	0	0
	T1	0	0	76	76	0	1
	P1	0	0	2	2	0	0
	SUM	0	-235	78	248	0	1
	RESP	0	0	8	8	0	0
	TOTAL	0	235	85	250	0	1
A67	Guide						
	GR	0	-235	0	235	0	0
	T1	0	0	0	0	0	0
	P1	0	0	0	0	0	0
	SUM	0	-235	0	235	0	0
	RESP	0	0	0	0	0	0
	TOTAL	0	235	0	235	0	0
A68	Guide						
	GR	0	-235	0	235	0	0
	T1	-1	0	0	1	0	0
	P1	0	0	0	0	0	0
	SUM	-1	-235	0	235	0	0
	RESP	0	0	0	0	0	0
	TOTAL	1	235	0	235	0	0
A69	Guide						
	GR	0	-236	0	236	0	0
	T1	4	0	0	4	0	0
	P1	0	0	0	0	0	0
	SUM	4	-236	0	236	0	0
	RESP	2	0	0	2	0	0
	TOTAL	5	236	0	236	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)		
		X	Y	Z	X	Y	Z
A70	Guide						
	GR	0	-235	0	235	0	0
	T1	-13	0	0	13	0	0
	P1	0	0	0	0	0	0
	SUM	-14	-235	0	235	0	0
	RESP	6	0	0	6	0	0
	TOTAL	19	235	0	236	0	0
A71	Guide						
	GR	0	-237	0	237	0	0
	T1	50	-1	0	50	0	0
	P1	1	0	0	1	0	0
	SUM	51	-237	0	243	0	0
	RESP	22	0	0	22	0	0
	TOTAL	73	237	0	248	0	0
A72	Guide						
	GR	0	-231	0	231	0	0
	T1	-186	2	0	186	0	0
	P1	-5	0	0	5	0	0
	SUM	-191	-229	0	298	0	0
	RESP	82	0	0	82	0	0
	TOTAL	273	229	0	356	0	0
A73	Guide						
	GR	0	-250	0	250	0	0
	T1	517	-9	0	517	0	0
	P1	13	0	0	13	0	0
	SUM	530	-259	0	590	0	0
	RESP	142	0	0	142	0	0
	TOTAL	672	259	0	720	0	0
A74	Inclined						
	GR	0	-178	0	178	0	0
	T1	0	-101	0	101	0	0
	P1	0	-2	0	2	0	0
	SUM	0	-281	0	281	0	0
	RESP	0	3	0	3	0	0
	TOTAL	0	284	0	284	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)			Result
		X	Y	Z	X	Y	Z	
A76	Inclined							
	GR	0	-106	0	106	0	0	0
	T1	0	143	0	143	0	0	0
	P1	0	4	0	4	0	0	0
	SUM	0	40	0	40	0	0	0
	RESP	0	3	0	3	0	0	0
	TOTAL	0	43	0	43	0	0	0
176	Inclined							
	GR	0	-106	0	106	0	0	0
	T1	0	-143	0	143	0	0	0
	P1	0	-4	0	4	0	0	0
	SUM	0	-252	0	252	0	0	0
	RESP	0	3	0	3	0	0	0
	TOTAL	0	255	0	255	0	0	0
A78	Inclined							
	GR	0	-178	0	178	0	0	0
	T1	0	101	0	101	0	0	0
	P1	0	2	0	2	0	0	0
	SUM	0	-74	0	74	0	0	0
	RESP	0	3	0	3	0	0	0
	TOTAL	0	77	0	77	0	0	0
A79	Guide							
	GR	0	-250	0	250	0	0	0
	T1	-517	9	0	517	0	0	0
	P1	-13	0	0	13	0	0	0
	SUM	-530	-242	0	582	0	0	0
	RESP	142	0	0	142	0	0	0
	TOTAL	672	242	0	714	0	0	0
A80	Guide							
	GR	0	-231	0	231	0	0	0
	T1	186	-2	0	186	0	0	0
	P1	5	0	0	5	0	0	0
	SUM	191	-234	0	302	0	0	0
	RESP	82	0	0	82	0	0	0
	TOTAL	273	234	0	359	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)			Result
		X	Y	Z	X	Y	Z	
A81	Guide							
	GR	0	-237	0	237	0	0	0
	T1	-50	1	0	50	0	0	0
	P1	-1	0	0	1	0	0	0
	SUM	-51	-236	0	241	0	0	0
	RESP	22	0	0	22	0	0	0
	TOTAL	73	236	0	247	0	0	0
A82	Guide							
	GR	0	-235	0	235	0	0	0
	T1	13	0	0	13	0	0	0
	P1	0	0	0	0	0	0	0
	SUM	14	-235	0	236	0	0	0
	RESP	6	0	0	6	0	0	0
	TOTAL	19	235	0	236	0	0	0
A83	Guide							
	GR	0	-236	0	236	0	0	0
	T1	-4	0	0	4	0	0	0
	P1	0	0	0	0	0	0	0
	SUM	-4	-235	0	236	0	0	0
	RESP	2	0	0	2	0	0	0
	TOTAL	5	235	0	236	0	0	0
A84	Guide							
	GR	0	-235	0	235	0	0	0
	T1	1	0	0	1	0	0	0
	P1	0	0	0	0	0	0	0
	SUM	1	-235	0	235	0	0	0
	RESP	0	0	0	0	0	0	0
	TOTAL	1	235	0	235	0	0	0
A85	Guide							
	GR	0	-235	0	235	0	0	0
	T1	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0
	SUM	0	-235	0	235	0	0	0
	RESP	0	0	0	0	0	0	0
	TOTAL	0	235	0	235	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A86	Anchor								
	GR	0	-235	0	235	0	0	1	1
	T1	3	0	-366	366	0	-12	8	14
	P1	0	0	-7	7	0	0	0	0
	SUM	3	-235	-373	441	0	-12	9	15
	RESP	0	0	84	84	0	0	0	0
	TOTAL	3	235	457	514	0	12	9	15
A87	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	-11	0	0	11	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-11	-235	0	236	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	11	235	0	236	0	0	0	0
A88	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	20	0	0	20	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	20	-235	0	236	0	0	0	0
	RESP	1	0	0	1	0	0	0	0
	TOTAL	20	235	0	236	0	0	0	0
A89	Guide								
	GR	0	-236	0	236	0	0	0	0
	T1	-17	0	0	17	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-16	-236	0	236	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	19	236	0	236	0	0	0	0
A90	Guide								
	GR	0	-235	0	235	0	0	0	0
	T1	2	0	0	2	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	2	-235	0	235	0	0	0	0
	RESP	9	0	0	9	0	0	0	0
	TOTAL	11	235	0	235	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A91	Guide								
	GR	0	-237	0	237	0	0	0	0
	T1	19	0	0	19	0	0	0	0
	P1	1	0	0	1	0	0	0	0
	SUM	20	-237	0	238	0	0	0	0
	RESP	34	0	0	34	0	0	0	0
	TOTAL	54	237	0	243	0	0	0	0
A92	Guide								
	GR	0	-230	0	230	0	0	0	0
	T1	-78	0	0	78	0	0	0	0
	P1	-3	0	0	3	0	0	0	0
	SUM	-81	-230	0	244	0	0	0	0
	RESP	127	0	0	127	0	0	0	0
	TOTAL	208	230	0	310	0	0	0	0
A93	Guide								
	GR	0	-255	0	255	0	0	0	0
	T1	225	0	0	225	0	0	0	0
	P1	7	0	0	7	0	0	0	0
	SUM	232	-255	0	344	0	0	0	0
	RESP	230	0	0	230	0	0	0	0
	TOTAL	462	255	0	528	0	0	0	0
A94	Inclined								
	GR	0	-168	0	168	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-168	0	168	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	168	0	168	0	0	0	0
A96	Inclined								
	GR	0	-130	0	130	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-130	0	130	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	130	0	130	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A97	Guide								
	GR	0	-221	0	221	0	0	0	0
	T1	0	0	-597	597	0	0	0	0
	P1	0	0	-19	19	0	0	0	0
	SUM	0	-221	-617	655	0	0	0	0
	RESP	0	0	85	85	0	0	0	0
	TOTAL	0	221	702	735	0	0	0	0
A98	Guide								
	GR	0	-220	0	220	0	0	0	0
	T1	0	0	556	556	0	0	0	0
	P1	0	0	18	18	0	0	0	0
	SUM	0	-220	574	614	0	0	0	0
	RESP	0	0	95	95	0	0	0	0
	TOTAL	0	220	669	704	0	0	0	0
A99	Inclined								
	GR	0	-132	0	132	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-132	0	132	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	132	0	132	0	0	0	0
A101	Inclined								
	GR	0	-164	0	164	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-164	0	164	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	0	164	0	164	0	0	0	0
A102	Guide								
	GR	0	-241	0	241	0	0	0	0
	T1	-244	0	0	244	0	0	0	0
	P1	0	-8	0	8	0	0	0	0
	SUM	-252	-241	0	349	0	0	0	0
	RESP	259	0	0	259	0	0	0	0
	TOTAL	511	241	0	565	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			Result	MOMENTS (ft-lb)			Result
		X	Y	Z		X	Y	Z	
A103	Guide								
	GR	0	-209	0	209	0	0	0	0
	T1	93	0	0	93	0	0	0	0
	P1	4	0	0	4	0	0	0	0
	SUM	96	-209	0	230	0	0	0	0
	RESP	149	0	0	149	0	0	0	0
	TOTAL	245	209	0	322	0	0	0	0
A104	Guide								
	GR	0	-218	0	218	0	0	0	0
	T1	3	0	0	3	0	0	0	0
	P1	-1	0	0	1	0	0	0	0
	SUM	2	-218	0	218	0	0	0	0
	RESP	40	0	0	40	0	0	0	0
	TOTAL	41	218	0	222	0	0	0	0
A105	Guide								
	GR	0	-216	0	216	0	0	0	0
	T1	-27	0	0	27	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-26	-216	0	217	0	0	0	0
	RESP	11	0	0	11	0	0	0	0
	TOTAL	37	216	0	219	0	0	0	0
A106	Guide								
	GR	0	-217	0	217	0	0	0	0
	T1	17	0	0	17	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	17	-217	0	217	0	0	0	0
	RESP	3	0	0	3	0	0	0	0
	TOTAL	20	217	0	217	0	0	0	0
A107	Anchor								
	GR	0	-217	35	220	-3	0	-9	9
	T1	-5	-2	39	40	-9	-16	19	27
	P1	0	0	-1	1	0	0	0	0
	SUM	-5	-219	74	231	-12	-16	11	23
	RESP	1	0	89	89	0	3	0	3
	TOTAL	5	219	163	273	12	19	11	25

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A108	Guide								
	GR	0	-214	0	214	0	0	0	0
	T1	1	9	0	9	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	1	-204	0	204	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	2	204	0	204	0	0	0	0
A109	Guide								
	GR	0	-225	0	225	0	0	0	0
	T1	-5	-32	0	33	0	0	0	0
	P1	0	-1	0	1	0	0	0	0
	SUM	-5	-259	0	259	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	7	259	0	259	0	0	0	0
A110	Guide								
	GR	0	-150	0	150	0	0	0	0
	T1	64	135	0	150	0	0	0	0
	P1	0	3	0	3	0	0	0	0
	SUM	65	-11	0	66	0	0	0	0
	RESP	24	0	0	24	0	0	0	0
	TOTAL	89	11	0	90	0	0	0	0
A112	Guide								
	GR	0	-124	-8	124	0	0	0	0
	T1	-108	-163	-11	196	0	0	0	0
	P1	-1	-4	0	4	0	0	0	0
	SUM	-109	-290	-19	311	0	0	0	0
	RESP	54	0	0	54	0	0	0	0
	TOTAL	164	291	19	334	0	0	0	0
I112	Guide								
	GR	0	-198	-13	198	0	0	0	0
	T1	133	58	4	145	0	0	0	0
	P1	3	1	0	3	0	0	0	0
	SUM	138	-138	-9	194	0	0	0	0
	RESP	138	1	0	138	0	0	0	0
	TOTAL	274	139	9	307	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
I113	Guide								
	GR	0	-212	-14	213	0	0	0	0
	T1	-303	-42	-3	306	0	0	0	0
	P1	-8	-1	0	8	0	0	0	0
	SUM	-311	-255	-17	403	0	0	0	0
	RESP	219	3	0	219	0	0	0	0
	TOTAL	530	258	17	590	0	0	0	0
A113	Inclined								
	GR	0	-116	0	116	0	0	0	0
	T1	0	27	0	27	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-89	0	89	0	0	0	0
	RESP	0	9	0	9	0	0	0	0
	TOTAL	0	98	0	98	0	0	0	0
A115	Inclined								
	GR	0	-189	0	189	0	0	0	0
	T1	0	-3	0	3	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-192	0	192	0	0	0	0
	RESP	0	6	0	6	0	0	0	0
	TOTAL	0	198	0	198	0	0	0	0
A116	Inclined								
	GR	0	-165	0	165	0	0	0	0
	T1	0	23	0	23	0	0	0	0
	P1	0	1	0	1	0	0	0	0
	SUM	0	-141	0	141	0	0	0	0
	RESP	0	3	0	3	0	0	0	0
	TOTAL	0	144	0	144	0	0	0	0
A118	Inclined								
	GR	0	-154	0	154	0	0	0	0
	T1	0	-11	0	11	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-165	0	165	0	0	0	0
	RESP	0	1	0	1	0	0	0	0
	TOTAL	0	167	0	167	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)		
		X	Y	Z	X	Y	Z
A119	Guide						
	GR	0	-265	0	265	0	0
	T1	320	1	0	320	0	0
	P1	8	0	0	8	0	0
	SUM	328	-264	0	421	0	0
	RESP	122	0	0	122	0	0
	TOTAL	450	264	0	522	0	0
A120	Guide						
	GR	0	-239	0	239	0	0
	T1	-138	0	0	138	0	0
	P1	-3	0	0	3	0	0
	SUM	-142	-239	0	278	0	0
	RESP	74	0	0	74	0	0
	TOTAL	215	239	0	322	0	0
A121	Guide						
	GR	0	-246	0	246	0	0
	T1	51	0	0	51	0	0
	P1	1	0	0	1	0	0
	SUM	52	-246	0	251	0	0
	RESP	20	0	0	20	0	0
	TOTAL	72	246	0	256	0	0
A122	Guide						
	GR	0	-244	0	244	0	0
	T1	-18	0	0	18	0	0
	P1	0	0	0	0	0	0
	SUM	-19	-244	0	245	0	0
	RESP	5	0	0	5	0	0
	TOTAL	24	244	0	245	0	0
A123	Guide						
	GR	0	-244	0	244	0	0
	T1	5	0	0	5	0	0
	P1	0	0	0	0	0	0
	SUM	5	-244	0	244	0	0
	RESP	1	0	0	1	0	0
	TOTAL	6	244	0	244	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)		
		X	Y	Z	X	Y	Z
A124	Guide						
	GR	0	-244	0	244	0	0
	T1	-1	0	0	1	0	0
	P1	0	0	0	0	0	0
	SUM	-1	-244	0	244	0	0
	RESP	0	0	0	0	0	0
	TOTAL	2	244	0	244	0	0
A125	Anchor						
	GR	0	-244	0	244	0	0
	T1	0	0	148	148	0	1
	P1	0	0	4	4	0	0
	SUM	0	-244	151	287	0	1
	RESP	0	0	23	23	0	1
	TOTAL	1	244	174	300	0	2
A126	Guide						
	GR	0	-244	0	244	0	0
	T1	0	0	0	0	0	0
	P1	0	0	0	0	0	0
	SUM	-1	-244	0	244	0	0
	RESP	0	0	0	0	0	0
	TOTAL	1	244	0	244	0	0
A127	Guide						
	GR	0	-244	0	244	0	0
	T1	2	0	0	2	0	0
	P1	0	0	0	0	0	0
	SUM	2	-244	0	244	0	0
	RESP	2	0	0	2	0	0
	TOTAL	3	244	0	244	0	0
A128	Guide						
	GR	0	-244	0	244	0	0
	T1	-6	0	0	6	0	0
	P1	0	0	0	0	0	0
	SUM	-7	-244	0	244	0	0
	RESP	6	0	0	6	0	0
	TOTAL	13	244	0	244	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)		
		X	Y	Z	X	Y	Z
A129	Guide						
	GR	0	-245	0	245	0	0
	T1	24	0	0	24	0	0
	P1	1	0	0	1	0	0
	SUM	25	-246	0	247	0	0
	RESP	24	0	0	24	0	0
	TOTAL	49	246	0	251	0	0
A130	Guide						
	GR	0	-240	0	240	0	0
	T1	-108	2	0	108	0	0
	P1	-3	0	0	3	0	0
	SUM	-111	-238	0	263	0	0
	RESP	89	0	0	89	0	0
	TOTAL	200	238	0	311	0	0
A131	Guide						
	GR	0	-260	0	260	0	0
	T1	349	-7	0	349	0	0
	P1	9	0	0	9	0	0
	SUM	359	-267	0	447	0	0
	RESP	153	0	0	153	0	0
	TOTAL	512	267	0	577	0	0
A132	Inclined						
	GR	0	-171	0	171	0	0
	T1	0	-70	0	70	0	0
	P1	0	-2	0	2	0	0
	SUM	0	-242	0	242	0	0
	RESP	0	3	0	3	0	0
	TOTAL	0	245	0	245	0	0
A134	Inclined						
	GR	0	-131	0	131	0	0
	T1	0	89	0	89	0	0
	P1	0	2	0	2	0	0
	SUM	0	-39	0	39	0	0
	RESP	0	3	0	3	0	0
	TOTAL	0	43	0	43	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)		
		X	Y	Z	X	Y	Z
I134	Inclined						
	GR	0	-130	0	130	0	0
	T1	0	-89	0	89	0	0
	P1	0	-2	0	2	0	0
	SUM	0	-221	0	221	0	0
	RESP	0	3	0	3	0	0
	TOTAL	0	225	0	225	0	0
A136	Inclined						
	GR	0	-171	0	171	0	0
	T1	0	70	0	70	0	0
	P1	0	-2	0	2	0	0
	SUM	0	-99	0	99	0	0
	RESP	0	3	0	3	0	0
	TOTAL	0	103	0	103	0	0
A137	Guide						
	GR	0	-260	0	260	0	0
	T1	-349	7	0	349	0	0
	P1	-9	0	0	9	0	0
	SUM	-359	-253	0	439	0	0
	RESP	153	0	0	153	0	0
	TOTAL	512	254	0	571	0	0
A138	Guide						
	GR	0	-240	0	240	0	0
	T1	108	-2	0	108	0	0
	P1	3	0	0	3	0	0
	SUM	112	-242	0	266	0	0
	RESP	89	0	0	89	0	0
	TOTAL	201	242	0	314	0	0
A139	Guide						
	GR	0	-245	0	245	0	0
	T1	-24	0	0	24	0	0
	P1	-1	0	0	1	0	0
	SUM	-25	-245	0	246	0	0
	RESP	24	0	0	24	0	0
	TOTAL	49	245	0	250	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)				
		X	Y	Z	Result	X	Y	Z	Result
A140	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	6	0	0	6	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	7	-244	0	244	0	0	0	0
	RESP	6	0	0	6	0	0	0	0
	TOTAL	13	244	0	244	0	0	0	0
A141	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-2	0	0	2	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-2	-244	0	244	0	0	0	0
	RESP	2	0	0	2	0	0	0	0
	TOTAL	3	244	0	244	0	0	0	0
A142	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	0	-244	0	244	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	1	244	0	244	0	0	0	0
A143	Anchor								
	GR	0	-244	0	244	0	0	2	2
	T1	3	0	-181	181	0	-16	7	17
	P1	0	0	-6	4	0	0	0	0
	SUM	3	-244	-184	306	0	-16	9	18
	RESP	0	0	28	28	0	1	0	1
	TOTAL	3	244	212	324	0	17	9	19
A144	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-13	0	0	13	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-13	-244	0	245	0	0	0	0
	RESP	0	0	0	0	0	0	0	0
	TOTAL	14	244	0	245	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)				
		X	Y	Z	Result	X	Y	Z	Result
A145	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	25	0	0	25	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	25	-244	0	246	0	0	0	0
	RESP	1	0	0	1	0	0	0	0
	TOTAL	26	244	0	246	0	0	0	0
A146	Guide								
	GR	0	-244	0	244	0	0	0	0
	T1	-30	0	0	30	0	0	0	0
	P1	0	0	0	0	0	0	0	0
	SUM	-30	-244	0	246	0	0	0	0
	RESP	5	0	0	5	0	0	0	0
	TOTAL	35	244	0	246	0	0	0	0
A147	Guide								
	GR	0	-246	0	246	0	0	0	0
	T1	44	0	0	44	0	0	0	0
	P1	1	0	0	1	0	0	0	0
	SUM	45	-246	0	250	0	0	0	0
	RESP	18	0	0	18	0	0	0	0
	TOTAL	63	246	0	254	0	0	0	0
A148	Guide								
	GR	0	-239	0	239	0	0	0	0
	T1	-133	0	0	133	0	0	0	0
	P1	-4	0	0	4	0	0	0	0
	SUM	-137	-239	0	275	0	0	0	0
	RESP	68	0	0	68	0	0	0	0
	TOTAL	205	239	0	315	0	0	0	0
A149	Guide								
	GR	0	-266	0	266	0	0	0	0
	T1	299	0	0	299	0	0	0	0
	P1	9	0	0	9	0	0	0	0
	SUM	307	-266	0	406	0	0	0	0
	RESP	124	0	0	124	0	0	0	0
	TOTAL	431	266	0	506	0	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)			Result
		X	Y	Z	X	Y	Z	
A150	Inclined							
GR		0	-161	0	161	0	0	0
T1		0	0	0	0	0	0	0
P1		0	0	0	0	0	0	0
SUM		0	-161	0	161	0	0	0
RESP		0	0	0	0	0	0	0
TOTAL		0	161	0	161	0	0	0
A152	Inclined							
GR		0	-151	0	151	0	0	0
T1		0	0	0	0	0	0	0
P1		0	0	0	0	0	0	0
SUM		0	-151	0	151	0	0	0
RESP		0	0	0	0	0	0	0
TOTAL		0	151	0	151	0	0	0
A153	Guide							
GR		0	-248	0	248	0	0	0
T1		0	0	-413	413	0	0	0
P1		0	0	-12	12	0	0	0
SUM		0	-248	-425	492	0	0	0
RESP		0	0	63	63	0	0	0
TOTAL		0	248	488	547	0	0	0
A155	Guide							
GR		0	-241	0	241	0	0	0
T1		0	0	273	273	0	0	0
P1		0	0	8	8	0	0	0
SUM		0	-241	281	370	0	0	0
RESP		0	0	205	205	0	0	0
TOTAL		0	241	486	542	0	0	0
A156	Inclined							
GR		0	-212	0	212	0	0	0
T1		0	0	0	0	0	0	0
P1		0	0	0	0	0	0	0
SUM		0	-212	0	212	0	0	0
RESP		0	0	0	0	0	0	0
TOTAL		0	212	0	212	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)			MOMENTS (ft-lb)			Result
		X	Y	Z	X	Y	Z	
A159	Inclined							
GR		0	-120	0	120	0	0	0
T1		0	0	0	0	0	0	0
P1		0	0	0	0	0	0	0
SUM		0	-120	0	120	0	0	0
RESP		0	0	0	0	0	0	0
TOTAL		0	120	0	120	0	0	0
A161	Inclined							
GR		0	-129	0	129	0	0	0
T1		0	0	0	0	0	0	0
P1		0	0	0	0	0	0	0
SUM		0	-129	0	129	0	0	0
RESP		0	0	0	0	0	0	0
TOTAL		0	129	0	129	0	0	0
A162	Guide							
GR		0	-221	0	221	0	0	0
T1		0	0	-129	129	0	0	0
P1		0	0	-4	4	0	0	0
SUM		0	-221	-133	258	0	0	0
RESP		0	0	216	216	0	0	0
TOTAL		0	221	349	413	0	0	0
A163	Anchor							
GR		0	-263	0	263	11	0	20
T1		427	0	106	440	0	98	0
P1		14	0	5	15	0	14	0
SUM		442	-263	112	526	11	112	20
RESP		257	0	85	271	0	388	0
TOTAL		699	263	195	772	11	500	20
A164	Guide							
GR		0	-199	0	199	0	0	0
T1		0	0	-1019	1019	0	0	0
P1		0	0	-38	38	0	0	0
SUM		0	-199	-1057	1076	0	0	0
RESP		0	0	0	0	0	0	0
TOTAL		0	199	1057	1076	0	0	0

RESTRAINT REACTIONS

Point name	Load combination	FORCES (lb)				MOMENTS (ft-lb)			
		X	Y	Z	Result	X	Y	Z	Result
A166	Inclined								
GR		0	-79	0	79	0	0	0	0
T1		0	0	0	0	0	0	0	0
P1		0	0	0	0	0	0	0	0
SUM		0	-79	0	79	0	0	0	0
RESP		0	0	0	0	0	0	0	0
TOTAL		0	79	0	79	0	0	0	0
A167	Anchor								
GR		0	-67	0	67	-81	0	-3	81
T1		-622	0	946	1132	0	2738	0	2738
P1		-20	0	34	40	0	83	0	83
SUM		-642	-67	980	1174	-81	2820	-3	2822
RESP		0	0	0	0	0	0	0	0
TOTAL		642	67	980	1174	81	2820	3	2822

ASME B31.3c (1992) CODE COMPLIANCE

Point name	Load combination	(Moments in ft-lb)			S.I.F		(Stress in psi)	
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	Eq. Load no.	Code type
*** Segment A begin ***								
A00	Max P							
	GR + Max P	36	12		1.00	1.00	(3a) HOOP	8944 16700
	Cold to T1	0	294		0	1.00	(17) DISP	3990 16700
	SRSS	0	326		1.00	1.00	(18) OCC	1098 25050
								1565 22211
A01	Max P							
	GR + Max P	123	24		1.00	1.00	(3a) HOOP	8944 16700
	Cold to T1	0	472		0	1.00	(17) DISP	4409 16700
	SRSS	0	663		1.00	1.00	(18) OCC	1764 25050
								3183 22211
A02	Max P							
	GR + Max P	18	24		1.00	1.00	(3a) HOOP	8944 16700
	Cold to T1	0	880		0	1.00	(17) DISP	3952 16700
	SRSS	0	519		1.00	1.00	(18) OCC	3285 25050
								2491 22211
A03 N-	Max P							
	GR + Max P	18	24		1.00	1.00	(3a) HOOP	8944 16700
	Cold to T1	0	899		0	1.00	(17) DISP	3953 16700
	SRSS	0	533		1.00	1.00	(18) OCC	3355 25050
								2556 22211
A03 N+	Max P							
	GR + Max P	24	18		1.00	1.00	(3a) HOOP	8944 16700
	Cold to T1	899	0		0	1.00	(17) DISP	3953 16700
	SRSS	533	0		1.00	1.00	(18) OCC	3355 25050
								2556 22211
A03 M	Max P							
	GR + Max P	29	37		1.00	1.00	(3a) HOOP	8944 16700
	Cold to T1	1003	0		0	1.00	(17) DISP	4033 16700
	SRSS	625	0		1.00	1.00	(18) OCC	3746 25050
								3001 22211
A03 F-	Max P							
	GR + Max P	26	81		1.00	1.00	(3a) HOOP	8944 16700
	Cold to T1	904	0		0	1.00	(17) DISP	4217 16700
	SRSS	599	0		1.00	1.00	(18) OCC	3373 25050
								2876 22211
A03 F+	Max P							
	GR + Max P	81	26		1.00	1.00	(3a) HOOP	8944 16700
	Cold to T1	0	904		0	1.00	(17) DISP	4217 16700
	SRSS	0	599		1.00	1.00	(18) OCC	3373 25050
								2876 22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE						(Stress in psi)	
		(Moments in ft-lb)			S.I.F		Eq. Load no. type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out			
A17 -	Max P GR + Max P Cold to T1 SRSS	212 0 0	0 23 1		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4826 85 3	16700 16700 25050 22211
A17 +	Max P GR + Max P Cold to T1 SRSS	211 0 0	1 11 3		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4820 43 16	16700 16700 25050 22211
A18	Max P GR + Max P Cold to T1 SRSS	213 0 0	2 23 7		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4827 86 33	16700 16700 25050 22211
A19	Max P GR + Max P Cold to T1 SRSS	208 1 0	6 80 24		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4806 301 115	16700 16700 25050 22211
A20	Max P GR + Max P Cold to T1 SRSS	225 3 2	23 300 89		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4890 1120 429	16700 16700 25050 22211
A21	Max P GR + Max P Cold to T1 SRSS	164 12 7	85 1126 336		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4691 4204 1611	16700 25050 22211
A22	Max P GR + Max P Cold to T1 SRSS	120 51 30	180 2184 410		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4843 8157 1972	16700 16700 25050 22211
A23 N-	Max P GR + Max P Cold to T1 SRSS	87 41 27	195 2375 443		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4830 8867 2130	16700 16700 25050 22211
A23 N+	Max P GR + Max P Cold to T1 SRSS	195 2375 443	87 41 27		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4830 8867 2130	16700 16700 25050 22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Stress in psi)						(Stress in psi)	
		(Moments in ft-lb)			S.I.F		Eq. Load no. type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out			
A23 M	Max P GR + Max P Cold to T1 SRSS	203 2493 473	28 23 5		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4790 9306 2271	16700 16700 25050 22211
A23 F-	Max P GR + Max P Cold to T1 SRSS	79 977 296	11 73 20		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4192 3660 1423	16700 16700 25050 22211
A23 F+	Max P GR + Max P Cold to T1 SRSS	11 73 20	79 977 296		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4192 3660 1423	16700 16700 25050 22211
A25	Max P GR + Max P Cold to T1 SRSS	76 113 30	42 499 281		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4224 1914 1357	16700 16700 25050 22211
A26 N-	Max P GR + Max P Cold to T1 SRSS	45 50 36	74 899 311		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4222 3363 1502	16700 16700 25050 22211
A26 N+	Max P GR + Max P Cold to T1 SRSS	68 887 312	54 157 26		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4227 3363 1502	16700 16700 25050 22211
A26 M	Max P GR + Max P Cold to T1 SRSS	201 2424 481	25 62 7		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4778 9056 2308	16700 16700 25050 22211
A26 F-	Max P GR + Max P Cold to T1 SRSS	192 2316 430	26 69 27		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4735 8651 2069	16700 16700 25050 22211
A26 F+	Max P GR + Max P Cold to T1 SRSS	26 69 27	192 2316 430		1.00	1.00	(3a) HOOP (18) SUST (17) DISP (18) OCC	8944 4735 8651 2069	16700 16700 25050 22211

12-181916

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Stress in psi)															
		(Moments in ft-lb)			S.I.F		Eq. Load no.	Code type	Code Stress	Code Allow.	Code Stress	Code Allow.					
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out											
A37	Max P GR + Max P Cold to T1 SRSS	188 0 0	9 1526 418		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4707 5695	16700 16700 25050							
A38	Max P GR + Max P Cold to T1 SRSS	219 0 0	3 433 119		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4856 1616	16700 16700 25050							
A39	Max P GR + Max P Cold to T1 SRSS	209 0 0	1 215 59		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4806 804	16700 16700 25050							
A39	Max P GR + Max P Cold to T1 SRSS	360 0 42	13 345 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5529 1289	16700 16700 25050							
A40	Max P GR + Max P Cold to T1 SRSS	87 0 84	26 694 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4232 2591	16700 16700 25050							
A41	Max P GR + Max P Cold to T1 SRSS	1264 0 294	92 3226 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 9880 12042	16700 16700 25050							
A42	Max P GR + Max P Cold to T1 SRSS	412 0 134	106 3989 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5841 14892	16700 16700 25050							
A43 N-	Max P GR + Max P Cold to T1 SRSS	416 0 135	108 4062 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5863 15163	16700 16700 25050							
A43 N+	Max P GR + Max P Cold to T1 SRSS	108 4062 0	416 0 135		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5863 15163	16700 16700 25050							

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Stress in psi)															
		(Moments in ft-lb)			S.I.F		Eq. Load no.	Code type	Code Stress	Code Allow.	Code Stress	Code Allow.					
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out											
A43 N	Max P GR + Max P Cold to T1 SRSS	120 4489 0	506 0 164		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4707 2008	16700 16700 25050							
A43 F-	Max P GR + Max P Cold to T1 SRSS	111 4160 0	488 0 159		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4856 570	16700 16700 25050							
A43 F+	Max P GR + Max P Cold to T1 SRSS	488 0 159	111 4160 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4806 804	16700 16700 25050							
A44	Max P GR + Max P Cold to T1 SRSS	486 159 0	109 4094 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5529 1289	16700 16700 25050							
A45	Max P GR + Max P Cold to T1 SRSS	1197 0 258	78 2890 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4232 2591	16700 16700 25050							
A46	Max P GR + Max P Cold to T1 SRSS	23 0 69	21 755 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 9880 12042	16700 16700 25050							
A47	Max P GR + Max P Cold to T1 SRSS	323 0 19	6 143 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5841 14892	16700 16700 25050							
A48	Max P GR + Max P Cold to T1 SRSS	216 0 5	2 51 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5863 15163	16700 16700 25050							
A49	Max P GR + Max P Cold to T1 SRSS	251 0 3	1 25 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5863 15163	16700 16700 25050							

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Type		
A49 +	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	239	0		1.00	1.00	(18) SUST	4956	16700	
	SRSS	0	4	0	1.00	1.00	(17) DISP	14	25050	
A50	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	239	0		1.00	1.00	(18) SUST	4957	16700	
	SRSS	0	7	0	1.00	1.00	(17) DISP	28	25050	
A51	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	239	1		1.00	1.00	(18) SUST	4953	16700	
	SRSS	0	26	0	1.00	1.00	(17) DISP	97	25050	
A52	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	242	2		1.00	1.00	(18) SUST	4970	16700	
	SRSS	0	97	0	1.00	1.00	(17) DISP	362	25050	
A53	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	228	9		1.00	1.00	(18) SUST	4905	16700	
	SRSS	0	363	0	1.00	1.00	(17) DISP	1357	25050	
153	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	280	33		1.00	1.00	(18) SUST	5160	16700	
	SRSS	0	1364	0	1.00	1.00	(17) DISP	5091	25050	
A54	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	148	73		1.00	1.00	(18) SUST	4598	16700	
	SRSS	0	3005	0	1.00	1.00	(17) DISP	11220	25050	
A55 N-	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	115	77		1.00	1.00	(18) SUST	4473	16700	
	SRSS	0	3169	0	1.00	1.00	(17) DISP	11831	25050	
A55 N+	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	77	115		1.00	1.00	(18) SUST	4473	16700	
	SRSS	3169	0	0	1.00	1.00	(17) DISP	11831	25050	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Type		
A55 M	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	82	1		1.00	1.00	(18) SUST	4202	16700	
	SRSS	3389	0	0	1.00	1.00	(17) DISP	12652	25050	
A55 F-	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	57	2		1.00	1.00	(18) SUST	4086	16700	
	SRSS	2365	0	0	1.00	1.00	(17) DISP	8530	25050	
A55 F+	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	2	57		1.00	1.00	(18) SUST	4086	16700	
	SRSS	0	2365	0	1.00	1.00	(17) DISP	8830	25050	
A56	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	16	51		1.00	1.00	(18) SUST	4065	16700	
	SRSS	0	2082	0	1.00	1.00	(17) DISP	7771	25050	
156	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	13	51		1.00	1.00	(18) SUST	4064	16700	
	SRSS	0	2109	0	1.00	1.00	(17) DISP	7872	25050	
A57 N-	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	5	58		1.00	1.00	(18) SUST	4090	16700	
	SRSS	0	2392	0	1.00	1.00	(17) DISP	8931	25050	
A57 N+	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	58	5		1.00	1.00	(18) SUST	4090	16700	
	SRSS	2392	0	0	1.00	1.00	(17) DISP	8931	25050	
A57 M	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	83	2		1.00	1.00	(18) SUST	4205	16700	
	SRSS	3416	0	0	1.00	1.00	(17) DISP	12752	25050	
A57 F-	Max P						(3a) HOOP	8944	16700	
	GR + Max P Cold to T1	78	117		1.00	1.00	(18) SUST	4485	16700	
	SRSS	3196	0	0	1.00	1.00	(17) DISP	11932	25050	

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE (Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F In	S.I.F Out		
A57 F+	Max P						(3a) HOOP	8944 16700
	GR + Max P	117	78		1.00	1.00	(18) SUST	4483 16700
	Cold to T1	0	3196	0	1.00	1.00	(17) DISP	11932 25050
	SRSS	0	348		1.00	1.00	(18) OCC	1671 22211
A58	Max P						(3a) HOOP	8944 16700
	GR + Max P	150	74		1.00	1.00	(18) SUST	4609 16700
	Cold to T1	0	3032	0	1.00	1.00	(17) DISP	11320 25050
	SRSS	0	327		1.00	1.00	(18) OCC	1567 22211
A59	Max P						(3a) HOOP	8944 16700
	GR + Max P	295	34		1.00	1.00	(18) SUST	5233 16700
	Cold to T1	0	1399	0	1.00	1.00	(17) DISP	5224 25050
	SRSS	0	627		1.00	1.00	(18) OCC	3008 22211
A60	Max P						(3a) HOOP	8944 16700
	GR + Max P	253	9		1.00	1.00	(18) SUST	5021 16700
	Cold to T1	0	373	0	1.00	1.00	(17) DISP	1393 25050
	SRSS	0	167		1.00	1.00	(18) OCC	802 22211
A61	Max P						(3a) HOOP	8944 16700
	GR + Max P	264	2		1.00	1.00	(18) SUST	5075 16700
	Cold to T1	0	100	0	1.00	1.00	(17) DISP	371 25050
	SRSS	0	45		1.00	1.00	(18) OCC	214 22211
A62	Max P						(3a) HOOP	8944 16700
	GR + Max P	261	1		1.00	1.00	(18) SUST	5060 16700
	Cold to T1	0	27	0	1.00	1.00	(17) DISP	99 25050
	SRSS	0	12		1.00	1.00	(18) OCC	57 22211
A63	Max P						(3a) HOOP	8944 16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	5064 16700
	Cold to T1	0	7	0	1.00	1.00	(17) DISP	26 25050
	SRSS	0	3		1.00	1.00	(18) OCC	15 22211
A64	Max P						(3a) HOOP	8944 16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	5063 16700
	Cold to T1	0	2	0	1.00	1.00	(17) DISP	7 25050
	SRSS	0	1		1.00	1.00	(18) OCC	4 22211
A65	Max P						(3a) HOOP	8944 16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	5063 16700
	Cold to T1	0	1	0	1.00	1.00	(17) DISP	2 25050
	SRSS	0	0		1.00	1.00	(18) OCC	1 22211

Point name	Load combination	ASME B31.3c (1992) (Moments in ft-lb)			CODE COMPLIANCE (Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F In	S.I.F Out		
A66 -	Max P						(3a) HOOP	8944 16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	5063 16700
	Cold to T1	0	0	0	1.00	1.00	(17) DISP	1 25050
	SRSS	0	0		1.00	1.00	(18) OCC	1 22211
A66 +	Max P						(3a) HOOP	8944 16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	5062 16700
	Cold to T1	0	0	8	1.00	1.00	(17) DISP	30 25050
	SRSS	0	0		1.00	1.00	(18) OCC	1 22211
A67	Max P						(3a) HOOP	8944 16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	5063 16700
	Cold to T1	0	1	8	1.00	1.00	(17) DISP	30 25050
	SRSS	0	0		1.00	1.00	(18) OCC	1 22211
A68	Max P						(3a) HOOP	8944 16700
	GR + Max P	261	0		1.00	1.00	(18) SUST	5062 16700
	Cold to T1	0	2	8	1.00	1.00	(17) DISP	31 25050
	SRSS	0	1		1.00	1.00	(18) OCC	4 22211
A69	Max P						(3a) HOOP	8944 16700
	GR + Max P	262	0		1.00	1.00	(18) SUST	5063 16700
	Cold to T1	0	8	8	1.00	1.00	(17) DISP	42 25050
	SRSS	0	3		1.00	1.00	(18) OCC	16 22211
A70	Max P						(3a) HOOP	8944 16700
	GR + Max P	261	1		1.00	1.00	(18) SUST	5059 16700
	Cold to T1	0	29	8	1.00	1.00	(17) DISP	113 25050
	SRSS	0	12		1.00	1.00	(18) OCC	59 22211
A71	Max P						(3a) HOOP	8944 16700
	GR + Max P	264	3		1.00	1.00	(18) SUST	5074 16700
	Cold to T1	1	110	8	1.00	1.00	(17) DISP	411 25050
	SRSS	0	46		1.00	1.00	(18) OCC	220 22211
A72	Max P						(3a) HOOP	8944 16700
	GR + Max P	253	10		1.00	1.00	(18) SUST	5020 16700
	Cold to T1	5	412	8	1.00	1.00	(17) DISP	1539 25050
	SRSS	0	172		1.00	1.00	(18) OCC	826 22211
A73	Max P						(3a) HOOP	8944 16700
	GR + Max P	295	38		1.00	1.00	(18) SUST	5237 16700
	Cold to T1	19	1546	8	1.00	1.00	(17) DISP	5770 25050
	SRSS	0	645		1.00	1.00	(18) OCC	3096 22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE											(Stress in psi)	
		(Moments in ft-lb)			S.I.F		Eq. Load no.	Code Allow.						
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out								
A83	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 8 3		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5063 42 16	16700 16700 25050 22211				
A84	Max P GR + Max P Cold to T1 SRSS	261 0 0	0 2 1		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5062 31 4	16700 16700 25050 22211				
A85	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 1 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5063 30 1	16700 16700 25050 22211				
A86	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5062 30 1	16700 16700 25050 22211				
A86	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 12 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5065 46 1	16700 16700 25050 22211				
A87	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 25 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (18) (18)	SUST DISP OCC	8944 5065 92 2	16700 16700 25050 22211				
A88	Max P GR + Max P Cold to T1 SRSS	261 0 0	0 86 1		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5065 323 7	16700 16700 25050 22211				
A89	Max P GR + Max P Cold to T1 SRSS	262 0 0	0 65 5		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5066 242 25	16700 16700 25050 22211				
A90	Max P GR + Max P Cold to T1 SRSS	261 0 0	0 4 19		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5061 16 93	16700 16700 25050 22211				

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE											(Stress in psi)	
		(Moments in ft-lb)			S.I.F		Eq. Load no.	Code Allow.						
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out								
A91	Max P GR + Max P Cold to T1 SRSS	265 0 0	2 43 73		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5080 162 350	16700 16700 25050 22211				
A92	Max P GR + Max P Cold to T1 SRSS	250 0 0	6 174 273		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5011 651 1313	16700 16700 25050 22211				
A93	Max P GR + Max P Cold to T1 SRSS	304 0 0	23 653 1026		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 5275 2438 4923	16700 16700 25050 22211				
A94	Max P GR + Max P Cold to T1 SRSS	115 0 0	45 1532 679		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4403 5718 3258	16700 16700 25050 22211				
A95 N-	Max P GR + Max P Cold to T1 SRSS	86 0 0	48 1612 728		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4281 6019 3496	16700 16700 25050 22211				
A95 N+	Max P GR + Max P Cold to T1 SRSS	48 1612 728	86 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (18) (18)	SUST DISP OCC	8944 4281 6019 3496	16700 16700 25050 22211				
A95 M	Max P GR + Max P Cold to T1 SRSS	51 1722 869	7 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4058 6427 4173	16700 16700 25050 22211				
A95 F-	Max P GR + Max P Cold to T1 SRSS	36 1219 757	19 0 0		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4005 4551 3635	16700 16700 25050 22211				
A95 F+	Max P GR + Max P Cold to T1 SRSS	19 0 0	36 1219 757		1.00 1.00 1.00	1.00 1.00 1.00	(18) (17) (18)	SUST DISP OCC	8944 4005 4551 3635	16700 16700 25050 22211				

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE						(Stress in psi)			
		(Moments in ft-lb)			S.I.F		Eq. Load		Code		
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	no.	type	Stress	Code Allow.	
A96	Max P GR + Max P Cold to T1 SRSS	40 31 0 1080 0 717	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4055 4031 3440	16700 16700 25050 22211		
A97	Max P GR + Max P Cold to T1 SRSS	227 67 0 2076 0 236	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4948 7750 1135	16700 16700 25050 22211		
A98	Max P GR + Max P Cold to T1 SRSS	225 57 0 1675 0 260	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4925 6253 1246	16700 16700 25050 22211		
A99	Max P GR + Max P Cold to T1 SRSS	47 29 0 1012 0 758	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4077 3779 3638	16700 16700 25050 22211		
A100N-	Max P GR + Max P Cold to T1 SRSS	25 33 0 1131 0 801	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4011 4221 3847	16700 16700 25050 22211		
A100N+	Max P GR + Max P Cold to T1 SRSS	33 25 0 1131 801 0	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4011 4221 3847	16700 16700 25050 22211		
A100M	Max P GR + Max P Cold to T1 SRSS	46 6 0 1535 0 914	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4034 5731 4389	16700 16700 25050 22211		
A100F-	Max P GR + Max P Cold to T1 SRSS	42 81 0 1385 0 749	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4247 5171 3595	16700 16700 25050 22211		
A100F+	Max P GR + Max P Cold to T1 SRSS	81 42 0 1385 0 749	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4247 5171 3595	16700 16700 25050 22211		

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE						(Stress in psi)			
		(Moments in ft-lb)			S.I.F		Eq. Load		Code		
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	In	Out	no.	type	Stress	Code Allow.	
A101	Max P GR + Max P Cold to T1 SRSS	109 39 0 1304 0 693	39	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4367 4870 3327	16700 16700 25050 22211		
A102	Max P GR + Max P Cold to T1 SRSS	274 27 0 809 0 1104	27	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 5134 3019 5299	16700 16700 25050 22211		
A103	Max P GR + Max P Cold to T1 SRSS	207 7 0 189 0 294	7	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4803 705 1412	16700 16700 25050 22211		
A104	Max P GR + Max P Cold to T1 SRSS	225 2 0 49 0 78	2	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4889 185 376	16700 16700 25050 22211		
A105	Max P GR + Max P Cold to T1 SRSS	220 1 0 121 0 21	1	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4866 450 101	16700 16700 25050 22211		
A106	Max P GR + Max P Cold to T1 SRSS	221 0 34 0 6	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4872 128 29	16700 16700 25050 22211		
A107 -	Max P GR + Max P Cold to T1 SRSS	221 0 0 17 0 3	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4870 64 14	16700 16700 25050 22211		
A107 +	Max P GR + Max P Cold to T1 SRSS	224 0 1 9 0 0	1	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4884 80 2	16700 16700 25050 22211		
A108	Max P GR + Max P Cold to T1 SRSS	215 0 19 3 0 1	0	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4843 101 4	16700 16700 25050 22211		

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE						(Stress in psi)		
		(Moments in ft-lb)			(Stress in psi)			Code Allow.	Code Allow.	
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F. In	S.I.F. Out	Eq. Load no.			Code type
A133N+	Max P GR + Max P Cold to T1 SRSS	56 2670 375	108 165 37		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4395 9986 1809	16700 16700 25050 22211
A133M	Max P GR + Max P Cold to T1 SRSS	69 2890 483	7 5 29	63	1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4144 10792 2325	16700 16700 25050 22211
A133F-	Max P GR + Max P Cold to T1 SRSS	51 2168 525	16 158 2		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4066 8116 2521	16700 16700 25050 22211
A133F+	Max P GR + Max P Cold to T1 SRSS	16 158 2	51 2168 525		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4066 8116 2521	16700 16700 25050 22211
A134	Max P GR + Max P Cold to T1 SRSS	37 183 1	45 1954 527		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4093 7326 2530	16700 16700 25050 22211
I134	Max P GR + Max P Cold to T1 SRSS	46 183 1	53 1955 527		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4149 7328 2528	16700 16700 25050 22211
A135M-	Max P GR + Max P Cold to T1 SRSS	24 158 2	59 2169 525		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4114 8118 2519	16700 16700 25050 22211
A135M+	Max P GR + Max P Cold to T1 SRSS	59 2169 525	24 158 2		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4114 8118 2519	16700 16700 25050 22211
A135M	Max P GR + Max P Cold to T1 SRSS	76 2891 483	7 5 29	63	1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4174 10795 2322	16700 16700 25050 22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE						(Stress in psi)		
		(Moments in ft-lb)			(Stress in psi)			Code Allow.	Code Allow.	
		In-Pl. Moment	Out-Pl. Moment	Torsion	S.I.F. In	S.I.F. Out	Eq. Load no.			Code type
A135F-	Max P GR + Max P Cold to T1 SRSS	77 2671 375	100 165 36		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4416 9988 1807	16700 16700 25050 22211
A135F+	Max P GR + Max P Cold to T1 SRSS	107 96 0	67 2674 376		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4416 9988 1807	16700 16700 25050 22211
A136	Max P GR + Max P Cold to T1 SRSS	135 58 1	64 2545 352		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 4527 9502 1688	16700 16700 25050 22211
A137	Max P GR + Max P Cold to T1 SRSS	318 16 0	29 1029 719		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 5341 3843 3452	16700 16700 25050 22211
A138	Max P GR + Max P Cold to T1 SRSS	272 4 0	8 207 192		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 5115 772 921	16700 16700 25050 22211
A139	Max P GR + Max P Cold to T1 SRSS	284 1 0	2 55 51		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 5173 208 246	16700 16700 25050 22211
A140	Max P GR + Max P Cold to T1 SRSS	281 0 0	1 15 14		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 5157 61 66	16700 16700 25050 22211
A141	Max P GR + Max P Cold to T1 SRSS	282 0 0	4 4 4		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 5161 30 18	16700 16700 25050 22211
A142	Max P GR + Max P Cold to T1 SRSS	281 0 0	0 1 1		1.00 1.00 1.00	1.00 1.00 1.00	(3a) (18) (17) (18)	HOOP SUST DISP OCC	8944 5160 26 5	16700 16700 25050 22211

10/28/96

Point name	Load combination	ASME B31.3c (1992)		CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Load type		
A143 -	Max P					(3a) HOOP		8944	16700
	GR + Max P	282	0	1.00	1.00	(18) SUST		5161	16700
	Cold to T1	0	1	7	1.00	(17) DISP		26	25050
	SRSS	0	1	1.00	1.00	(18) OCC		2	22211
A143 +	Max P					(3a) HOOP		8944	16700
	GR + Max P	282	0	1.00	1.00	(18) SUST		5162	16700
	Cold to T1	0	15	0	1.00	(17) DISP		57	25050
	SRSS	0	0	1.00	1.00	(18) OCC		2	22211
A144	Max P					(3a) HOOP		8944	16700
	GR + Max P	281	0	1.00	1.00	(18) SUST		5162	16700
	Cold to T1	0	31	0	1.00	(17) DISP		114	25050
	SRSS	0	1	1.00	1.00	(18) OCC		3	22211
A145	Max P					(3a) HOOP		8944	16700
	GR + Max P	282	0	1.00	1.00	(18) SUST		5163	16700
	Cold to T1	0	107	0	1.00	(17) DISP		401	25050
	SRSS	0	2	1.00	1.00	(18) OCC		11	22211
A146	Max P					(3a) HOOP		8944	16700
	GR + Max P	281	1	1.00	1.00	(18) SUST		5158	16700
	Cold to T1	0	101	0	1.00	(17) DISP		379	25050
	SRSS	0	9	1.00	1.00	(18) OCC		42	22211
A147	Max P					(3a) HOOP		8944	16700
	GR + Max P	285	2	1.00	1.00	(18) SUST		5179	16700
	Cold to T1	0	102	0	1.00	(17) DISP		379	25050
	SRSS	0	33	1.00	1.00	(18) OCC		156	22211
A148	Max P					(3a) HOOP		8944	16700
	GR + Max P	269	9	1.00	1.00	(18) SUST		5101	16700
	Cold to T1	0	307	0	1.00	(17) DISP		1145	25050
	SRSS	0	122	1.00	1.00	(18) OCC		586	22211
A149	Max P					(3a) HOOP		8944	16700
	GR + Max P	330	33	1.00	1.00	(18) SUST		5403	16700
	Cold to T1	0	1130	0	1.00	(17) DISP		4218	25050
	SRSS	0	458	1.00	1.00	(18) OCC		2198	22211
A150	Max P					(3a) HOOP		8944	16700
	GR + Max P	89	43	1.00	1.00	(18) SUST		4287	16700
	Cold to T1	0	1549	0	1.00	(17) DISP		5783	25050
	SRSS	0	298	1.00	1.00	(18) OCC		1429	22211

Point name	Load combination	ASME B31.3c (1992)		CODE COMPLIANCE		(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no.	Load type		
A151N-	Max P					(3a) HOOP		8944	16700
	GR + Max P	63	46	1.00	1.00	(18) SUST		4187	16700
	Cold to T1	0	1646	0	1.00	(17) DISP		6144	25050
	SRSS	0	312	1.00	1.00	(18) OCC		1499	22211
A151N+	Max P					(3a) HOOP		8944	16700
	GR + Max P	46	63	1.00	1.00	(18) SUST		4187	16700
	Cold to T1	1646	0	0	1.00	(17) DISP		6144	25050
	SRSS	312	0	1.00	1.00	(18) OCC		1499	22211
A151M	Max P					(3a) HOOP		8944	16700
	GR + Max P	53	7	1.00	1.00	(18) SUST		4064	16700
	Cold to T1	1875	0	0	1.00	(17) DISP		6999	25050
	SRSS	350	0	1.00	1.00	(18) OCC		1679	22211
A151F-	Max P					(3a) HOOP		8944	16700
	GR + Max P	42	42	1.00	1.00	(18) SUST		4097	16700
	Cold to T1	1509	0	0	1.00	(17) DISP		5634	25050
	SRSS	317	0	1.00	1.00	(18) OCC		1520	22211
A151F+	Max P					(3a) HOOP		8944	16700
	GR + Max P	42	42	1.00	1.00	(18) SUST		4097	16700
	Cold to T1	0	1509	0	1.00	(17) DISP		5634	25050
	SRSS	0	317	1.00	1.00	(18) OCC		1520	22211
A152	Max P					(3a) HOOP		8944	16700
	GR + Max P	67	39	1.00	1.00	(18) SUST		4181	16700
	Cold to T1	0	1392	0	1.00	(17) DISP		5197	25050
	SRSS	0	307	1.00	1.00	(18) OCC		1472	22211
A153	Max P					(3a) HOOP		8944	16700
	GR + Max P	288	49	1.00	1.00	(18) SUST		5212	16700
	Cold to T1	0	1673	0	1.00	(17) DISP		6246	25050
	SRSS	0	83	1.00	1.00	(18) OCC		398	22211
A154	Max P					(3a) HOOP		8944	16700
	GR + Max P	88	18	1.00	1.00	(18) SUST		4242	16700
	Cold to T1	0	631	0	1.00	(17) DISP		2355	25050
	SRSS	0	271	1.00	1.00	(18) OCC		1299	22211
A155	Max P					(3a) HOOP		8944	16700
	GR + Max P	275	21	1.00	1.00	(18) SUST		5134	16700
	Cold to T1	0	630	0	1.00	(17) DISP		2357	25050
	SRSS	0	630	1.00	1.00	(18) OCC		3023	22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type	
A156	Max P						(3a) HOOP	8944 16700
	GR + Max P	216	19		1.00	1.00	(18) SUST	4852 16700
	Cold to T1	0	694	0	1.00	1.00	(17) DISP	2589 25050
	SRSS	0	904		1.00	1.00	(18) OCC	4341 22211
A157N-	Max P						(3a) HOOP	8944 16700
	GR + Max P	172	20		1.00	1.00	(18) SUST	4641 16700
	Cold to T1	0	741	0	1.00	1.00	(17) DISP	2766 25050
	SRSS	0	945		1.00	1.00	(18) OCC	4538 22211
A157N+	Max P						(3a) HOOP	8944 16700
	GR + Max P	20	172		1.00	1.00	(18) SUST	4641 16700
	Cold to T1	741	0	0	1.00	1.00	(17) DISP	2766 25050
	SRSS	945	0		1.00	1.00	(18) OCC	4538 22211
A157M	Max P						(3a) HOOP	8944 16700
	GR + Max P	21	10		1.00	1.00	(18) SUST	3924 16700
	Cold to T1	776	0	0	1.00	1.00	(17) DISP	2896 25050
	SRSS	975	0		1.00	1.00	(18) OCC	4680 22211
A157F-	Max P						(3a) HOOP	8944 16700
	GR + Max P	11	70		1.00	1.00	(18) SUST	4155 16700
	Cold to T1	410	0	0	1.00	1.00	(17) DISP	1530 25050
	SRSS	671	0		1.00	1.00	(18) OCC	3219 22211
A157F+	Max P						(3a) HOOP	8944 16700
	GR + Max P	70	11		1.00	1.00	(18) SUST	4155 16700
	Cold to T1	0	410	0	1.00	1.00	(17) DISP	1530 25050
	SRSS	0	671		1.00	1.00	(18) OCC	3219 22211
A159	Max P						(3a) HOOP	8944 16700
	GR + Max P	59	8		1.00	1.00	(18) SUST	4097 16700
	Cold to T1	0	256	0	1.00	1.00	(17) DISP	956 25050
	SRSS	0	428		1.00	1.00	(18) OCC	2052 22211
A160N-	Max P						(3a) HOOP	8944 16700
	GR + Max P	35	11		1.00	1.00	(18) SUST	3988 16700
	Cold to T1	0	353	0	1.00	1.00	(17) DISP	1317 25050
	SRSS	0	464		1.00	1.00	(18) OCC	2226 22211
A160N+	Max P						(3a) HOOP	8944 16700
	GR + Max P	11	35		1.00	1.00	(18) SUST	3988 16700
	Cold to T1	353	0	0	1.00	1.00	(17) DISP	1317 25050
	SRSS	464	0		1.00	1.00	(18) OCC	2226 22211

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type	
A160M	Max P						(3a) HOOP	8944 16700
	GR + Max P	21	20		1.00	1.00	(18) SUST	3950 16700
	Cold to T1	719	0	0	1.00	1.00	(17) DISP	2683 25050
	SRSS	717	0		1.00	1.00	(18) OCC	3442 22211
A160F-	Max P						(3a) HOOP	8944 16700
	GR + Max P	20	52		1.00	1.00	(18) SUST	4077 16700
	Cold to T1	684	0	0	1.00	1.00	(17) DISP	2553 25050
	SRSS	697	0		1.00	1.00	(18) OCC	3346 22211
A160F+	Max P						(3a) HOOP	8944 16700
	GR + Max P	52	20		1.00	1.00	(18) SUST	4077 16700
	Cold to T1	0	684	0	1.00	1.00	(17) DISP	2553 25050
	SRSS	0	697		1.00	1.00	(18) OCC	3346 22211
A161	Max P						(3a) HOOP	8944 16700
	GR + Max P	78	18		1.00	1.00	(18) SUST	4196 16700
	Cold to T1	0	637	0	1.00	1.00	(17) DISP	2376 25050
	SRSS	0	657		1.00	1.00	(18) OCC	3151 22211
A162	Max P						(3a) HOOP	8944 16700
	GR + Max P	235	10		1.00	1.00	(18) SUST	4939 16700
	Cold to T1	0	310	0	1.00	1.00	(17) DISP	1158 25050
	SRSS	0	557		1.00	1.00	(18) OCC	2674 22211
A163-	Max P						(3a) HOOP	8944 16700
	GR + Max P	315	5		1.00	1.00	(18) SUST	5325 16700
	Cold to T1	0	155	0	1.00	1.00	(17) DISP	577 25050
	SRSS	0	277		1.00	1.00	(18) OCC	1332 22211
A163+	Max P						(3a) HOOP	8944 16700
	GR + Max P	335	19		1.00	1.00	(18) SUST	5418 16700
	Cold to T1	0	253	0	1.00	1.00	(17) DISP	944 25050
	SRSS	0	0		1.00	1.00	(18) OCC	0 22211
A164	Max P						(3a) HOOP	8944 16700
	GR + Max P	194	38		1.00	1.00	(18) SUST	4756 16700
	Cold to T1	0	771	0	1.00	1.00	(17) DISP	2877 25050
	SRSS	0	0		1.00	1.00	(18) OCC	0 22211
A165N-	Max P						(3a) HOOP	8944 16700
	GR + Max P	107	2		1.00	1.00	(18) SUST	4318 16700
	Cold to T1	0	333	0	1.00	1.00	(17) DISP	1242 25050
	SRSS	0	0		1.00	1.00	(18) OCC	0 22211

11/18/96/01

Point name	Load combination	ASME B31.3c (1992) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Torsion Moment	S.I.F. In	S.I.F. Out	Eq. Load no. type		
A165N+	Max P						(3a) HOOP	8944	16700
	GR + Max P	2	107		1.00	1.00	(18) SUST	4318	16700
	Cold to T1	333	0	0	1.00	1.00	(17) DISP	1242	25050
	SRSS	0	0		1.00	1.00	(18) OCC	0	22211
A165M	Max P						(3a) HOOP	8944	16700
	GR + Max P	63	13		1.00	1.00	(18) SUST	4108	16700
	Cold to T1	1954	0	0	1.00	1.00	(17) DISP	7295	25050
	SRSS	0	0		1.00	1.00	(18) OCC	0	22211
A165F-	Max P						(3a) HOOP	8944	16700
	GR + Max P	50	11		1.00	1.00	(18) SUST	4044	16700
	Cold to T1	1411	0	0	1.00	1.00	(17) DISP	5267	25050
	SRSS	0	0		1.00	1.00	(18) OCC	0	22211
A165F+	Max P						(3a) HOOP	8944	16700
	GR + Max P	11	50		1.00	1.00	(18) SUST	4044	16700
	Cold to T1	0	1411	0	1.00	1.00	(17) DISP	5267	25050
	SRSS	0	0		1.00	1.00	(18) OCC	0	22211
A166	Max P						(3a) HOOP	8944	16700
	GR + Max P	5	40		1.00	1.00	(18) SUST	3993	16700
	Cold to T1	0	1102	0	1.00	1.00	(17) DISP	4113	25050
	SRSS	0	0		1.00	1.00	(18) OCC	0	22211
A167	Max P						(3a) HOOP	8944	16700
	GR + Max P	81	83		1.00	1.00	(18) SUST	4354	16700
	Cold to T1	0	2738	0	1.00	1.00	(17) DISP	10221	25050
	SRSS	0	0		1.00	1.00	(18) OCC	0	22211

*** Segment A end ***

SYSTEM SUMMARY

Maximum displacements (in)

Maximum X:	-1.882	Point:	A43 M	Load Comb.:	SUM
Maximum Y:	0.908	Point:	A43 M	Load Comb.:	TOTAL
Maximum Z:	1.708	Point:	A95 M	Load Comb.:	TOTAL
Max. total:	2.336	Point:	A43 M	Load Comb.:	TOTAL

Maximum rotations (deg)

Maximum X:	0.268	Point:	A44	Load Comb.:	TOTAL
Maximum Y:	1.259	Point:	I76	Load Comb.:	TOTAL
Maximum Z:	0.656	Point:	A42	Load Comb.:	TOTAL
Max. total:	1.262	Point:	A76	Load Comb.:	TOTAL

Maximum restraint forces(lb)

Maximum X:	-828	Point:	A45	Load Comb.:	SUM
Maximum Y:	532	Point:	A41	Load Comb.:	TOTAL
Maximum Z:	1057	Point:	A164	Load Comb.:	TOTAL
Max. total:	1174	Point:	A167	Load Comb.:	TOTAL

Maximum restraint moments(ft-lb)

Maximum X:	88	Point:	A39	Load Comb.:	TOTAL
Maximum Y:	2820	Point:	A167	Load Comb.:	SUM
Maximum Z:	362	Point:	A39	Load Comb.:	TOTAL
Max. total:	2822	Point:	A167	Load Comb.:	SUM

SYSTEM SUMMARY

Maximum sustained stress

Point : A41
Stress psi : 9880
Allowable psi : 16700
Ratio : 0.59
Load combination : GR + Max P

Maximum displacement stress

Point : A43 M
Stress psi : 16759
Allowable psi : 25050
Ratio : 0.67
Load combination : Cold to T1

Maximum occasional stress

Point : A102
Stress psi : 5299
Allowable psi : 22211
Ratio : 0.24
Load combination : SRSS

Maximum hoop stress

Point : A00
Stress psi : 8944
Allowable psi : 16700
Ratio : 0.54
Load combination : Max P

Maximum sustained stress ratio

Point : A41
Stress psi : 9880
Allowable psi : 16700
Ratio : 0.59
Load combination : GR + Max P

Maximum displacement stress ratio

Point : A43 M
Stress psi : 16759
Allowable psi : 25050
Ratio : 0.67
Load combination : Cold to T1

SYSTEM SUMMARY

Maximum occasional stress ratio

Point : A102
Stress psi : 5299
Allowable psi : 22211
Ratio : 0.24
Load combination : SRSS

Maximum hoop stress ratio

Point : A00
Stress psi : 8944
Allowable psi : 16700
Ratio : 0.54
Load combination : Max P

*** The system satisfies ASME B31.3 code requirements ***
*** for the selected options ***

Max occasional stress

$$9880 \text{ psi} + 5299 \text{ psi} = 15179 \text{ psi}$$

$$\text{Ratio} = 0.68$$

Rev. 3
KH 11/12/97

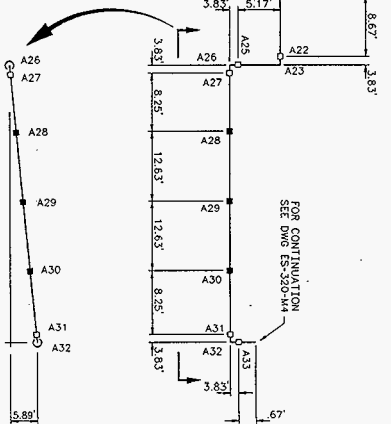
APPENDIX D

PIPING SKETCHES



ELEVATION PLAN

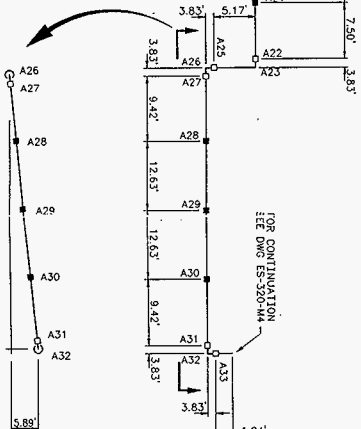
SUPERNATE PIPING FROM C106 TO AY102
 PROCESS LINE - 4" S1-200-149
 ENCASMENT LINE - 6" M284 AT 36" RAD (45° BENDS)
 ENCASMENT LINE - 8" M289 AT 40" RAD (90° BENDS)



ELEVATION

PLAN

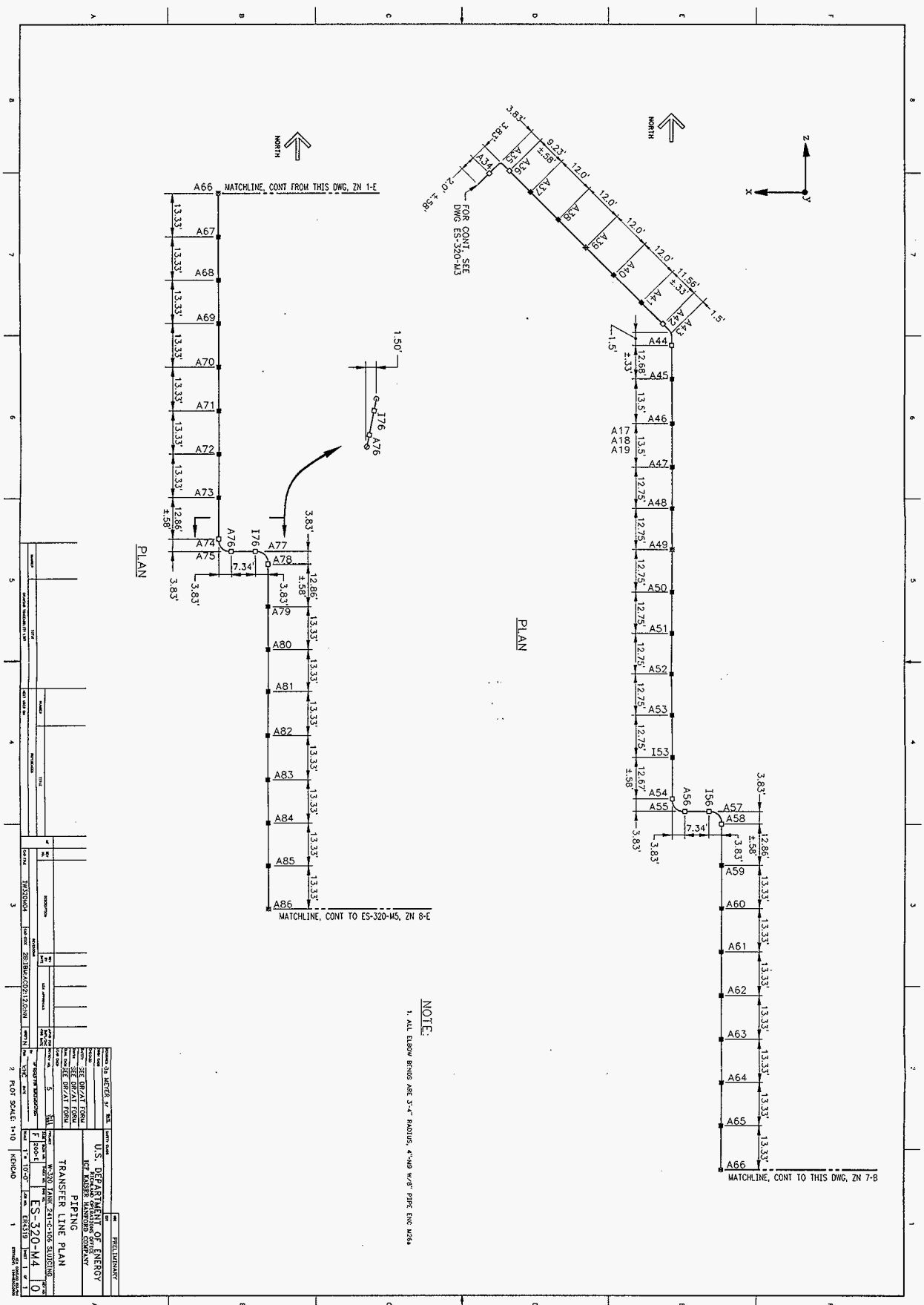
SLURRY PIPING FROM C106 TO AY102
 PROCESS LINE - 4" S1-100-149
 ENCASMENT LINE - 6" M284 AT 36" RAD (45° BENDS)
 ENCASMENT LINE - 8" M289 AT 40" RAD (90° BENDS)



ELEVATION

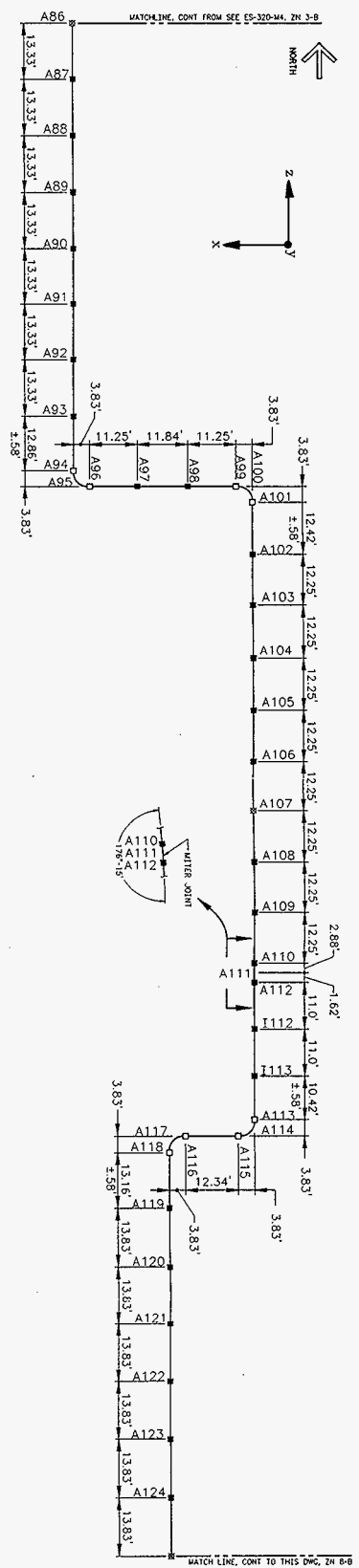
NO.	REVISION	DATE	BY	CHKD	DESCRIPTION
1					ISSUED FOR PERMITTING
2					REVISED PER COMMENTS
3					REVISED PER COMMENTS
4					REVISED PER COMMENTS
5					REVISED PER COMMENTS
6					REVISED PER COMMENTS
7					REVISED PER COMMENTS
8					REVISED PER COMMENTS
9					REVISED PER COMMENTS
10					REVISED PER COMMENTS

PROJECT: U.S. DEPARTMENT OF ENERGY
 REGIONAL ENERGY DEVELOPMENT
 FOR KANSAS STEERING COMMITTEE
 PROJECT: PE'S STEERING COMMITTEE
 FARM: P'S FARM
 DRAWING NO: ES-320-143
 SHEET NO: 0
 DATE: 11/14/01
 SCALE: 1" = 100'-0"
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]

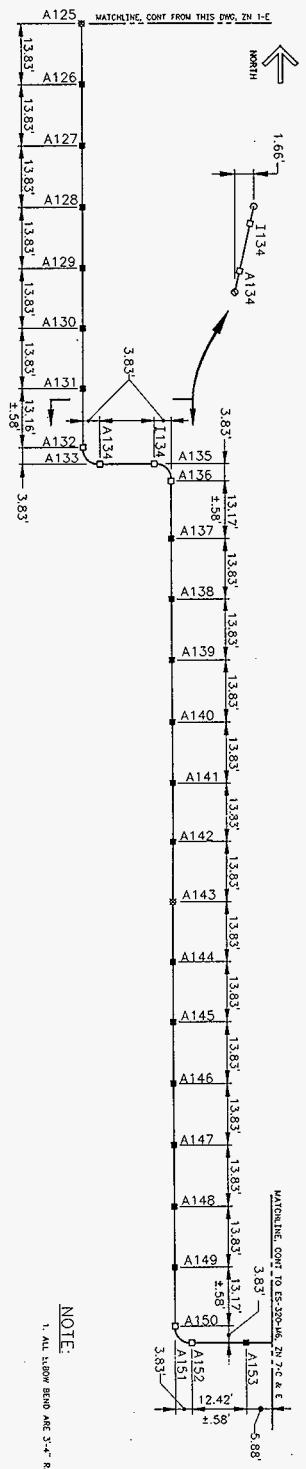


NOTE:
 1. ALL ELBOW RADIUS ARE 3'-0" RADIUS, 4" DIA W/8" PIPE END DIA

PROJECT INFORMATION	
PROJECT NO.	ES-320-M4-10
PROJECT NAME	TRANSFER LINE PLAN
CLIENT	U.S. DEPARTMENT OF ENERGY
CONTRACT NO.	2837BAC427-122018
DATE	10/24/2018
SCALE	1" = 10'-0"
DESIGNER	ES-320-M4-10
CHECKER	
DATE	



PLAN



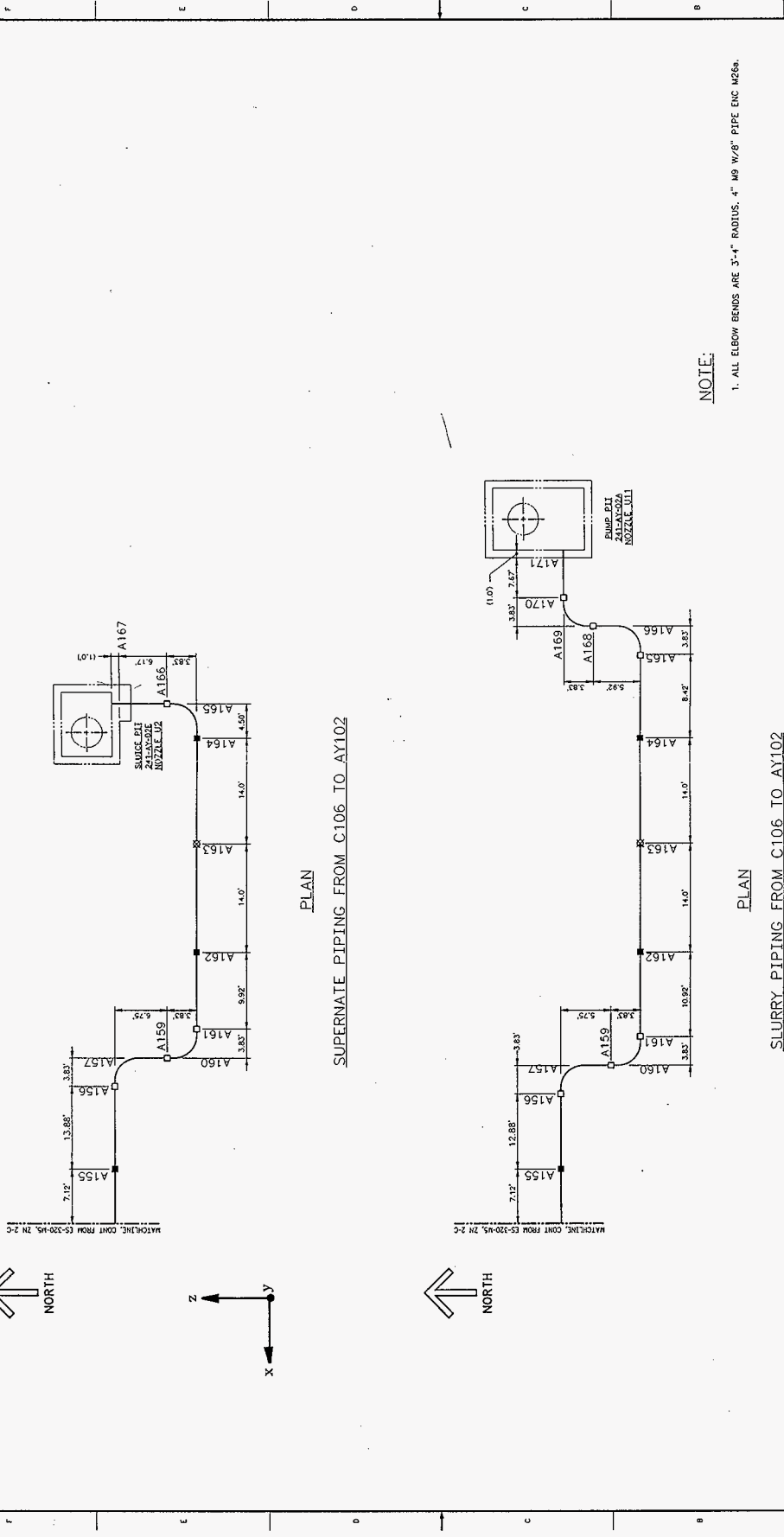
PLAN

NOTE:
1. ALL LADDER BEND ARE 3"-4" RADIUS, * AS W/PIPE Dwg. W/SA

NO.	REVISION	DATE	BY	CHKD.	DESCRIPTION
1	PRELIMINARY				
2	FOR REVIEW				
3	FOR APPROVAL				
4	FOR CONSTRUCTION				

PROJECT NO.	ES-320-44
CONTRACT NO.	28180(02)320(1)
DATE	11/20/05
SCALE	AS SHOWN
DESIGNED BY	...
CHECKED BY	...
APPROVED BY	...

U.S. DEPARTMENT OF ENERGY	PRELIMINARY
LOW LEVEL WASTE PROGRAM	
TRANSFER LINE PLAN	
ES-320-M5	
0	



PLAN
SUPERNATE PIPING FROM C106 TO AY102

PLAN
SLURRY PIPING FROM C106 TO AY102

NOTE:

1. ALL ELBOW BENDS ARE 3'-4" RADIUS, 4" M9 W/8" PIPE ENC M26s.

PROJECT		PRELIMINARY	
DATE	BY	DATE	BY
10/26/54	W.H.S.		
U.S. DEPARTMENT OF ENERGY GENERAL INVESTIGATIONS DIVISION HEALTH, SAFETY AND ENVIRONMENTAL PROTECTION			
PROJECT TITLE		PIPING PLAN	
TANK 241-AI-102		TANK 241-AI-102	
PROJECT NO.		ES-370-M6	
DRAWING NO.		P-102	
SCALE		AS SHOWN	
SHEET NO.		1	
TOTAL SHEETS		1	
DESIGNED BY		W.H.S.	
CHECKED BY		W.H.S.	
APPROVED BY		W.H.S.	
DATE		10/26/54	

APPENDIX E

OFFICE MEMO

[20] From: C D (Dean) Jones at ~WHC61 3/28/94 2:28PM (864 bytes: 9 ln)
To: Mohammed M Ahmed at ~KEH8, Dianna L Stone at ~KEH13, Donald J Jr
Macisaac,

Danny L Evans at ~KEH10, C D (Dean) Jones

Subject: DESIGN PRESSURE FOR SLURRY AND SLUICE PUMPS

----- Message Contents

WE WILL USE 750' SHUTOFF HEAD AS THE INTERNAL DESIGN
PRESSURE FOR PURPOSES OF STRESS ANALYSIS. WHILE IT IS TRUE
THAT THE PRIMARY PIPE WOULD EXPERIENCE A PRESSURE OF 1.5
TIMES THIS DURING TESTING, THERE WOULD BE NO OTHER STRESSES
ENCOUNTERED AT THAT TIME AND THE PRESSURE WOULD BE BOTH
INTERNAL AND EXTERNAL. YOU MIGHT RUN A SINGLE CASE OR DO A
HAND CALC FOR THE EXTERNAL TEST PRESSURE TO ASSURE DAN THAT
THE PIPE WILL TAKE IT. AND LET ME SAY, "IT'S BEEN GOOD
TYPING TO YOU".

DISTRIBUTION SHEET

To	From	Page 1 of 1			
Distribution	JW Bailey	Date 23 July 1998			
Project Title/Work Order		EDT No. 622230			
Project W-320 Tank 106-C, HNF-2472, Piping Calculations, Vol. 2		ECN No. n/a			
Name	MSIN	Text With All Attach.	Text Only	Attach./Appendix Only	EDT/ECN Only
JW Bailey	S2-48				
W-320 Project Files	R1-29				