U-006-105 .14

5620

STUDY AND EVALUATION EFFECT OF INTERNAL ATTENUATION LAYER ON K-65 SILOS VOLUME 1 DECEMBER 1988 (A CAMARGO REPORT)

03/28/89

DOE-FMPC USEPA
482
REPORT

5620

5620

U-006-105. 14

STUDY AND EVALUATION

EFFECT OF INTERNAL ATTENUATION LAYER

ON

K-65 SILOS

DECEMBER 1988

PREPARED BY

CAMARGO ASSOCIATES, INC.
ARCHITECTS-ENGINEERS-INTERIOR DESIGNERS-PLANNERS
CINCINNATI, OHIO

000001

5620

EFFECT OF INTERNAL ATTENUATION LAYER

ON

K-65 SILOS

CONTENTS

SECTION		PAGE
1.0	Introduction	1-1
2.0	Executive Summary	2-1
3.0	Analysis Criteria and Methods	3-1
	STATIC ANALYSIS	
4.0	Discussion of Results	4-1
	DYNAMIC ANALYSIS	
5.0	Results: Combined Static and Dynamic	5-1
6.0	References	6-1
	Appendix A: Static Analysis	
A.0	Calculations	A-1
A.1	Computer Model: "NorthK65"	
A.2	Computer Model: "SouthK65"	
	Appendix B: Dynamic Analysis	
B.0	Calculations	B-1
B.1	Discussion of Seismic Analysis and Results	
B.2	Computer Model: North	
B.3	Computer Model: South	

SECTION 1.0 - INTRODUCTION

The Department of Energy Feed Materials Production Center (FMPC), located in Fernald, Ohio, currently maintains radium-bearing residues in two concrete silos (K-65 silos) on site. Proposed remedial action for the attenuation of radon involves placing a four foot layer of sand atop the radium-bearing residues in each silo.

The purpose of this report is to determine the effect the proposed action may have on the structural integrity of the two K-65 silos. The evaluation of the silos is based upon existing static loads, loads resulting from the proposed sand layer, and probable dynamic (seismic) loads. This analysis does not include the temporary dome and embankment loads that can be expected to occur during the installation of the sand layer. For explanation, see Section 3.0.

SECTION 2.0 - EXECUTIVE SUMMARY

The two K-65 silos, as analyzed for this report, are capable of sustaining the present loads plus the internal radon attenuation sand layer. The addition of the sand layer to the existing silos produces slight additional bending in the silo walls. The stresses in the dome and base slab are essentially unaffected. All stresses induced by the imposed loads are within allowable values as determined by ACI.

This report is intended to analyze an additional load condition not covered by Ref. [1]. In that respect, it does not supercede any of the conclusions or recommendations presented by that evaluation. The life expectancy of the silos as stated in Ref. [1] will remain unchanged by this report.

SECTION 3.0 - ANALYSIS CRITERIA AND METHODS

The two K-65 silos were originally evaluated by Camargo Associates, Limited in 1985 and results were presented in Reference [1]. That study utilized nondestructive testing techniques to determine the current physical properties of the silos. Figures 3.0.1 and 3.0.2, originally presented in Reference [1], summarize those properties for each silo. This analysis assumes that the physical properties and the loads imposed on the silos have not changed since the time of that report and nondestructive testing, with three exceptions:

1. The 1986 addition of a temporary cover over the center 30 foot section of both dome surfaces. Reference [2] describes that addition in detail. This report takes into account the loads that the temporary covers impart to the silos.

2. A foam membrane applied in 1987 to the temporary cover and dome surface outside of the temporary cover. This foam membrane adds 1 psf dead load to the applied area of both silos.

3. Recent video taken of the inside of both silos appears at first to contradict findings presented in Appendix C of Reference [1]. The video shows the inner surface of each dome to be smooth with some cracking evident. There is also evidence of past leaching due to the infiltration of water at the cracks. There are no visible spalled or undulating surface contours as stated in Reference [1]. The Reference [1] findings

utilized pulse echo testing which is based on Snell's Laws of Reflection and Refraction. The pulse echo testing method measures internal discontinuities in a structural member by the way sound waves propagate through it. This analysis assumes that the pulse-echo test revealed the presence of a general cracking and delamination occurring at varying depths in the dome rather than a generally thinned down dome with an irregular interior surface. This delamination would leave a top layer and a bottom layer of concrete acting independently from each other (see Figure 3.0.3). The analysis assumes that only the top layer of concrete carries any load or provides strength or stiffness to the silo. The top layer is assumed to have the same thickness and geometry as the dome in Reference [1]. The bottom portion of concrete, neglected in Reference. [1], is added as a dead weight suspended from the upper structural portion and provides no strength or stiffness to the silo.

This analysis utilizes finite element axisymmetric computer models (References [11] [12]) to determine stresses and deflections caused by the imposed loads. To be compatible with the axisymmetric model, loads must be uniform in nature. Line loads acting uniformly in a ring around the silo are also acceptable. For this reason, the temporary loads occurring during the fill operation are not a part of this analysis. These temporary loads are as follows: During the fill operation, a total estimated load of 1000 pounds consisting of

several personnel with light hand-carried equipment is anticipated to be on the dome surface. The loads' location on the dome and the area it is applied over are both variable. There is also a lateral loading from the embankment to the silo wall at a location opposite each of the four dome manways. This loading is due to forces applied to the top of the berm by the foundation for the sand conveyor. To reiterate, these temporary loads are not compatible with the axisymmetric model and are therefore not a part of this analysis.

Loads that are compatible and form the basis for this analysis consist of:

1. Dead weight of the silo = 150 lb./cu.ft.

2. Dead weight of the temporary cover producing a line load of 142 lb./ft. on the dome surface at a 15 foot radius from the dome centerline.

3. Foam membrane of 1 psf on the dome cover and the dome surface outside the limits of the cover.

4. Wall post-tensioning loads as detailed in Reference [1].

5. The existing earth embankment with a density of 130 lb./cu.ft. and coefficient of lateral earth pressure of 0.5

6. Live load of 20 psf applied to the dome cover and the dome surface outside the limits of the cover.

7. Existing K-65 contents with assumed density of 100 lb./cu.ft. and angle of repose of zero. Heights of existing contents are 20 feet in the south silo and 22 feet in the north silo.

8. Four foot high sand layer with assumed density of 114 lb./cu.ft. and coefficient of lateral pressure of 0.5.

9. Tornado loads were analyzed in Reference [1] and were shown there to cause failure of the dome surface. For that reason, they are not re-analyzed in this report.

10. The seismic load is the same 10-second event as described in Appendix D of Reference [1].

Load combinations considered in this report include:

1. Dead load - consists of all loads listed above with the exception of the seismic load and 20 psf dome live load.
2. Dead load plus 20 psf dome live load.
3. Dead load plus seismic load.
4. Dead load plus 20 psf dome live load plus seismic load.

The Ohio Basic Building Code Section 917.4 allows for a one-third increase in allowable stresses for any combination including seismic loads. All stresses listed in this report that result from a combination of loads which includes seismic will have that factor already taken into account.

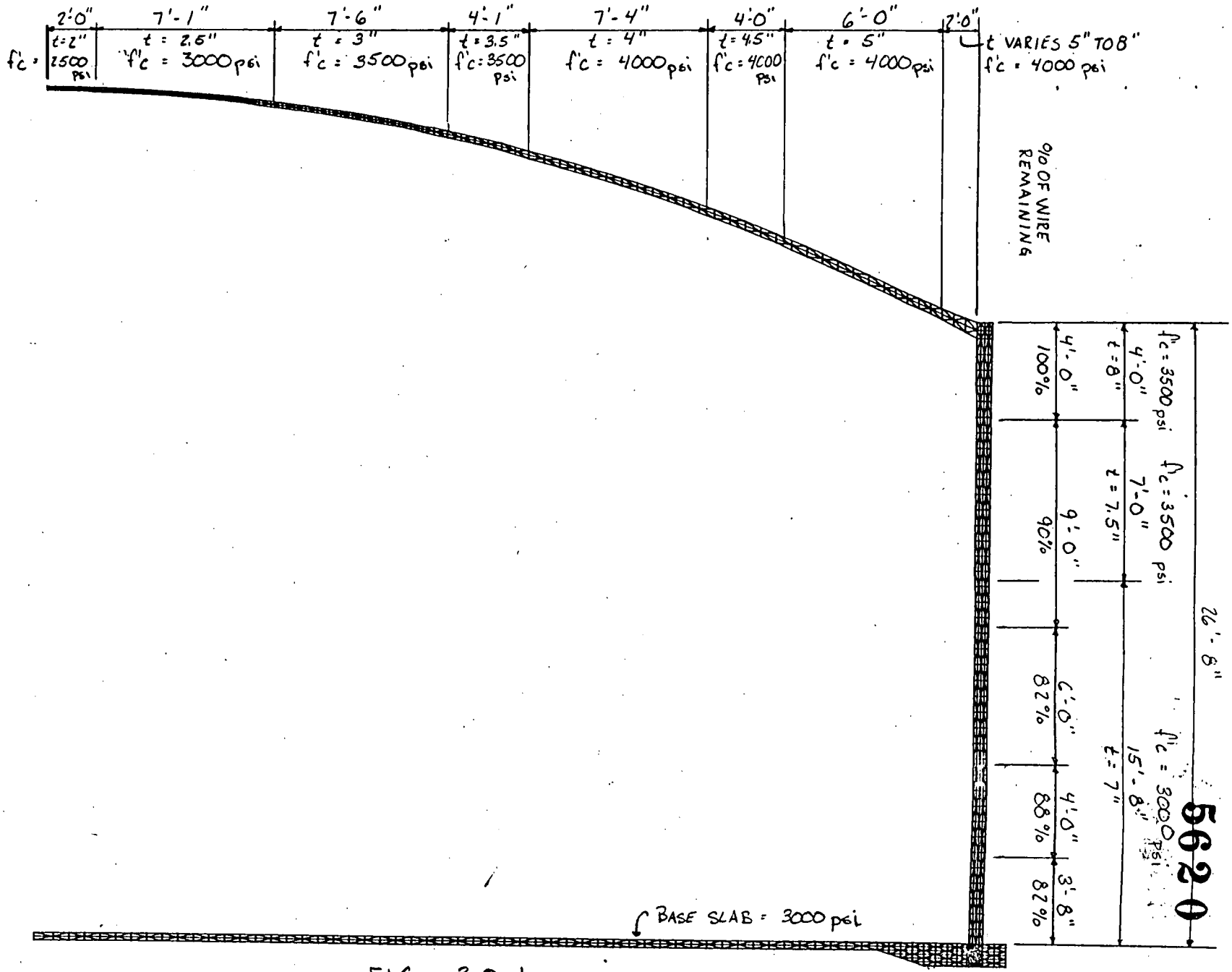


FIG 3.0.1

NORTH SILO PHYSICAL PROPERTIES

000009

5620

5620

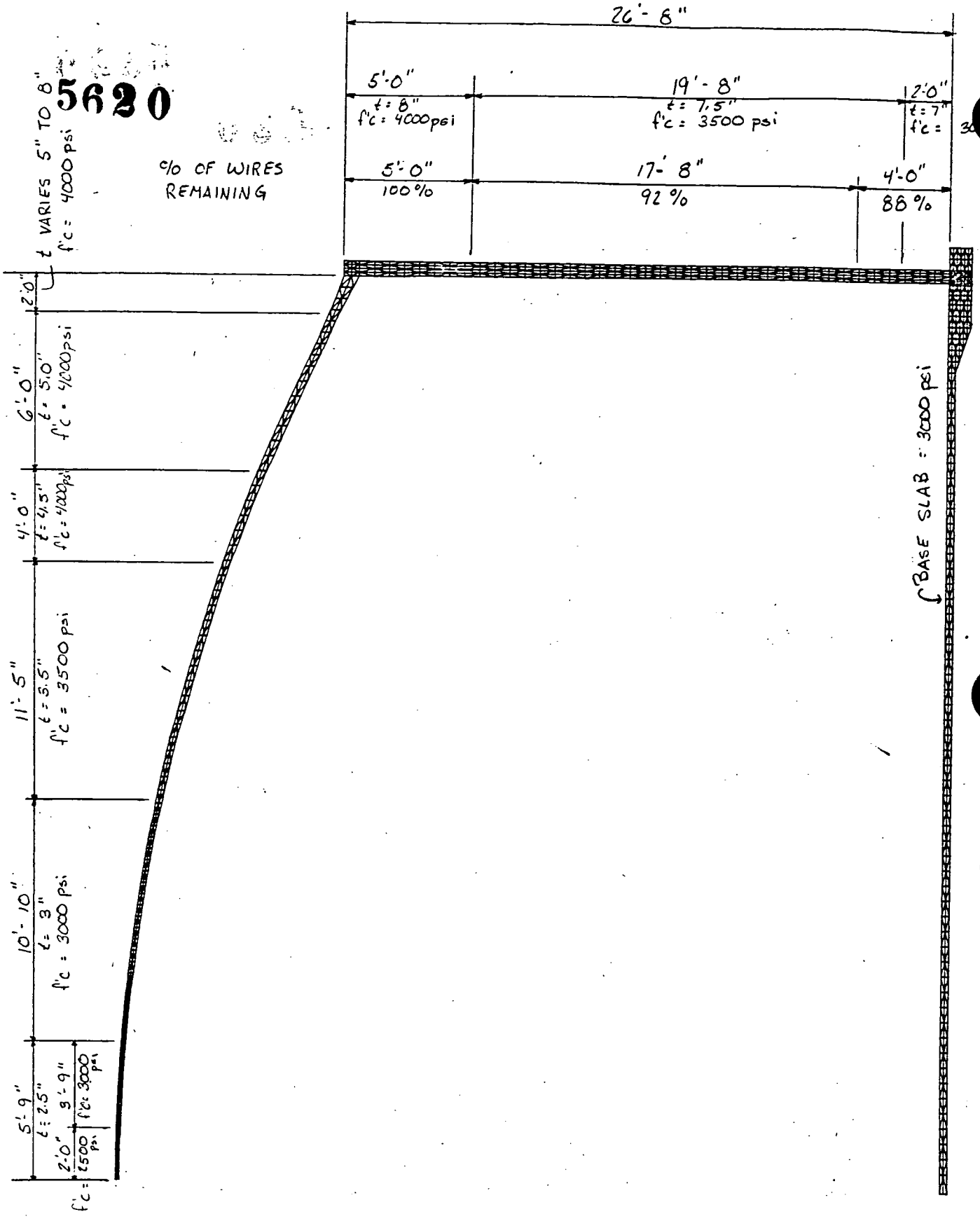


FIG 3.0

000010

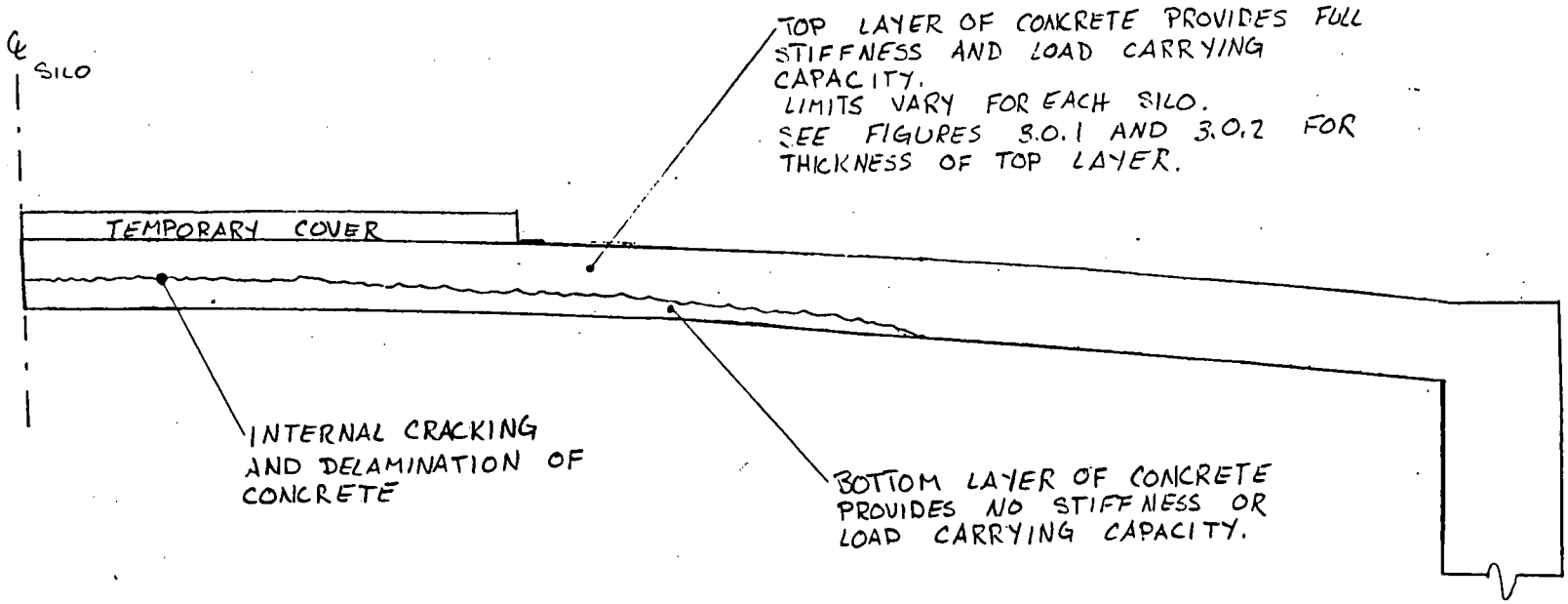


FIG. 3.0.3 CRACKED DOME SECTION

000011

5620

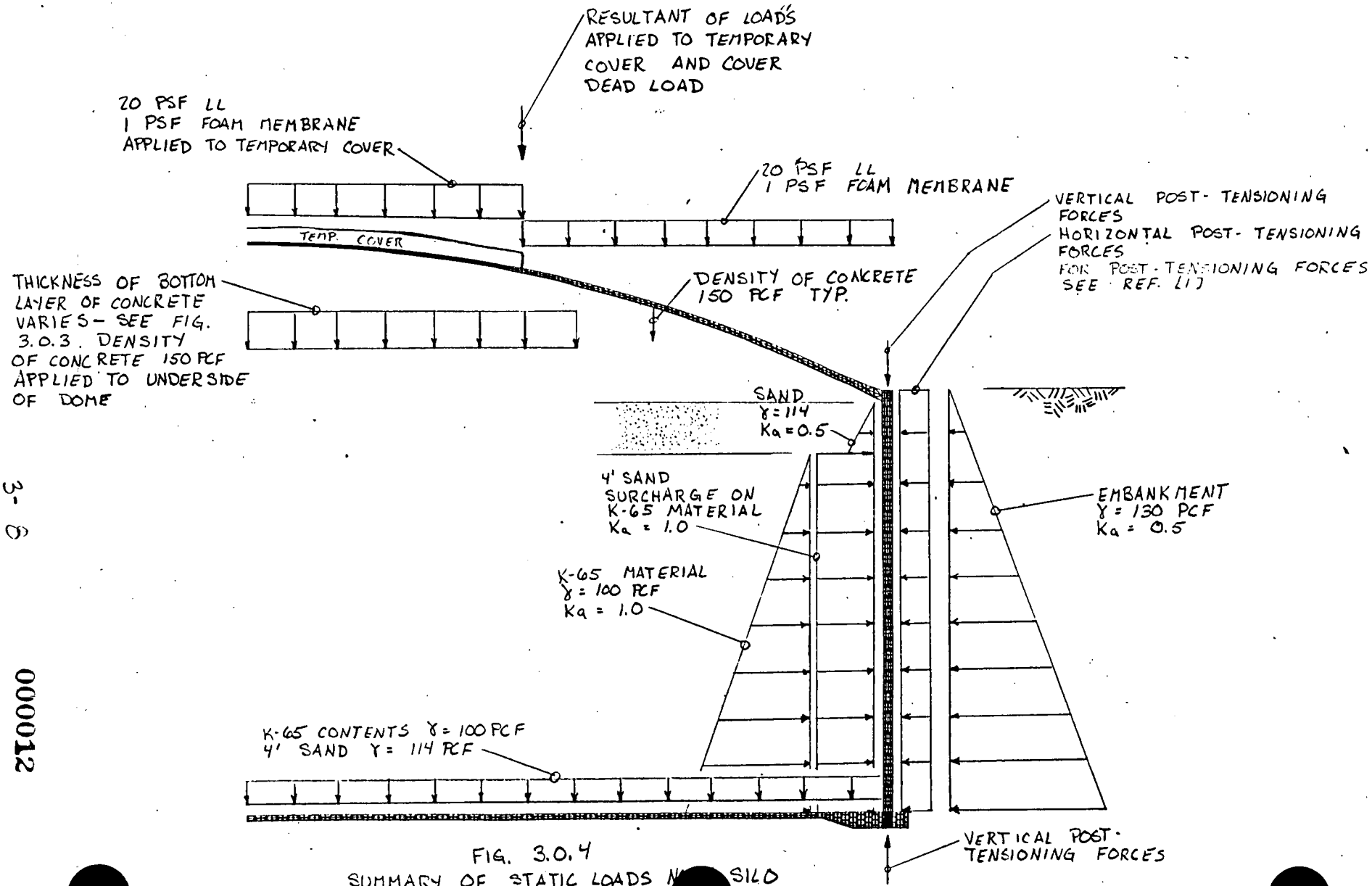


FIG. 3.0.4
SUMMARY OF STATIC LOADS N[illegible] SILO

0290

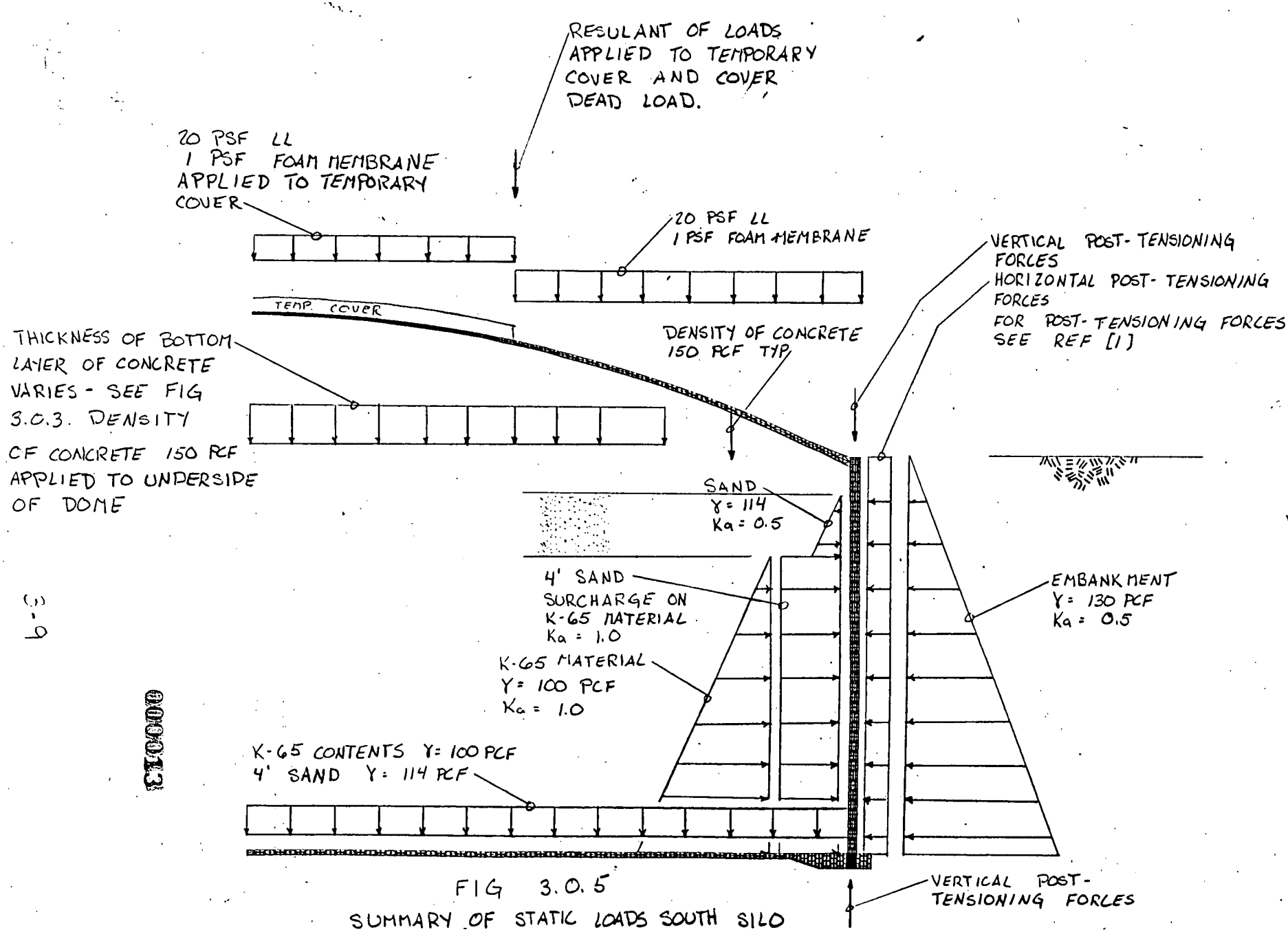


FIG 3.0.5
SUMMARY OF STATIC LOADS SOUTH SILO

000013

5620

SECTION 4.0 - DISCUSSION OF RESULTS

Each K-65 silo is a concrete thin shell structure with three distinct components; base slab, circular cylindrical walls, and a dome. The dome can be classified as a surface of revolution with positive gaussian curvature. This type of structure carries its loads exhibiting a combination of membrane stresses and bending stresses.

Each silo was analyzed for the imposed loads as described in Section 3.0. Results of the finite element analyses verify that the K-65 silos, with physical properties as determined by nondestructive testing, will carry the loads with resulting stresses less than allowable. These stresses consist of membrane stresses with additional bending stresses at various locations. The sum of these stresses is the value compared to the allowables in the following sections.

Examination of the stresses in Table 4.0.2 for the base slab show stress levels to be very low. Maximum compression is 156 psi, maximum hoop is 60 psi, and the maximum tension is 51 psi. All of these values are well below the allowable stresses given in Table 4.0.1 for f'c of 3000 psi. In addition, there are reinforcing bars in the base slab to adequately handle the tensile stresses.

Stresses given in Table 4.0.2 for the walls are also below allowable stress values given in Table 4.0.1. Maximum stresses for hoop, compression, and tension are 434 psi, 416 psi, and

62 psi, respectively. Concrete strengths vary from 3000 psi to 4000 psi (see Figures 3.0.1 and 3.0.2). Stresses in the walls are acceptable. Some slight bending can be observed in the walls; however, due to the initial wall post-tensioning forces that were applied, most of the wall remains in compression. The bending serves only to put more compression in one face than the other. The one wall tensile location that develops is at the wall-dome intersection and there is reinforcing steel at that location to resist the tensile forces.

The dome was the critical element as analyzed in Ref. [1]. The addition of the temporary cover has served to protect the weak 30 foot center section. As analyzed for this study, the dome is affected only slightly by the addition of the sand layer. Maximum stresses of 330 psi hoop, 319 psi compression, and 48 psi tension are well below their respective allowable values. The allowable buckling loads as presented in Ref. [1] remain unchanged by this analysis.

Inspection of the shear stresses, noted as XY stress by MICAS, shows that the maximum shear stress taken across the full cross section at any location in either silo is well below the allowable value given in Table 4.0.1 for the weakest concrete strength. Therefore, shear is not a problem in either silo.

Results of the analysis for each silo are presented in full in Appendix A. The north silo is labeled "NorthK65" and the south silo is labeled "SouthK65".

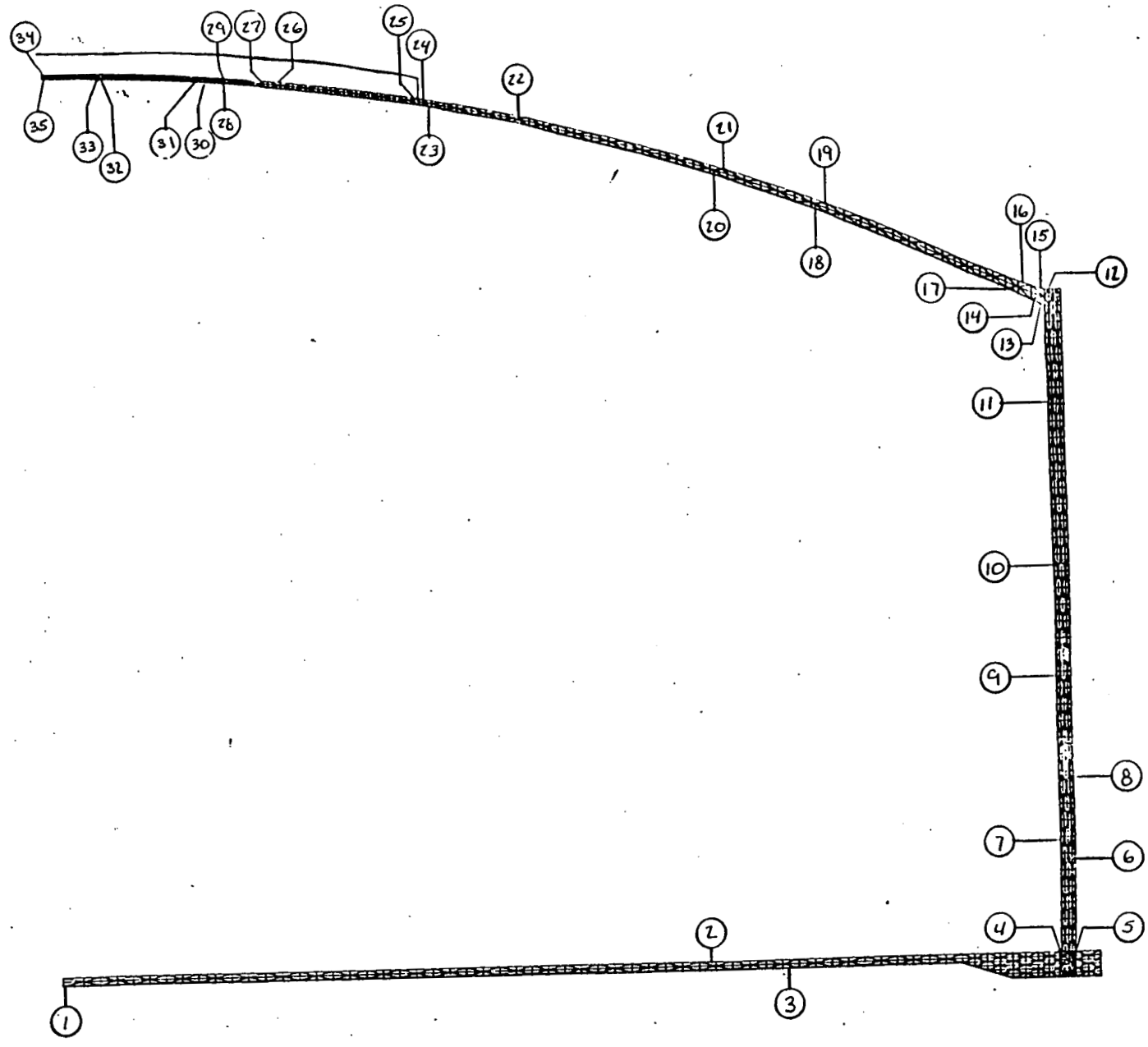


FIG 4.0.1

LOCATIONS FOR STRESS COMPARISON, TABLE 4.0.2

000016

562 U

Form 10-CS

5680

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI
Location FERNALD, OHIO
Subject K65 RE-ANALYSIS

W.O. 806-01
Date 11-21-88
By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
BASE SLAB	1	NORTH K65	1	-29.7	-17.6	-29.0
		SOUTH K65	1	-40.9	-16.3	-40.1
	2	NORTH K65	160	-29.8	-18.5	-29.8
		SOUTH K65	160	-41.2	-17.1	-41.[illegible]
	3	NORTH K65	181	-30.8	-16.7	-36.0
		SOUTH K65	181	-41.3	-17.3	-41.3
	4	NORTH K65	319	-49.1*	-7.2	-144.6*
		SOUTH K65	319	-59.9*	-5.9	-155.5*
	5	NORTH K65	344	-14.3	39.9*	-18.5
		SOUTH K65	344	-21.2	50.7*	-19.6

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE
(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APPENDIX A
(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD, OHIO
Subject K65 RE-ANALYSIS

W.O. 806-01
Date 11-21-88
By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
WALL	6	NORTH K65	416	-268.3	-2.0	-383.5
		SOUTH K65	416	-354.2	5.7	-415.6*
	7	NORTH K65	424	-293.0	1.8	-384.5*
		SOUTH K65	424	-390.0	8.2	-412.7
	8	NORTH K65	456	-314.2*	-6.9	-343.2
		SOUTH K65	456	-433.8*	-2.6	-357.7
	9	NORTH K65	497	-249.0	-10.9	-229.5
		SOUTH K65	497	-376.2	-11.0	-193.8
	10	NORTH K65	553	-197.1	-1.9	-264.7
		SOUTH K65	553	-305.7	-3.9	-247.6

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE
(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APDENDIX A
(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD, OHIO

Subject K65 RE-ANALYSIS

W.O. 806-01

Date 11-21-88

By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
WALL	11	NORTH K65	625	-185.5	-3.6	-229.2
		SOUTH K65	625	-265.0	-6.0	-198.5
	12	NORTH K65	681	-163.1	62.2 *	-89.5
		SOUTH K65	681	-194.6	54.2	-90.8
DOME	13	NORTH K65	697	-181.2	17.0	-75.2
		SOUTH K65	697	-201.8	1.6	-75.4
	14	NORTH K65	698	-170.9	45.3	-60.7
		SOUTH K65	698	-188.2	37.1 *	-59.0
	15	NORTH K65	700	-191.1 *	-37.7	-97.6
		SOUTH K65	700	-202.4 *	-36.4	-86.0

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE

(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APDENDIX A

(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

562

Client ASI
Location FERNALD, OHIO
Subject K65 RE-ANALYSIS

W.O. 806-01
Date 11-21-88
By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP, PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
DOME	16	NORTH K65	704	-180.6	38.1	-126.1 *
		SOUTH K65	704	-190.0	28.3	-108.4 *
	17	NORTH K65	706	-168.0	47.7 *	-61.3
		SOUTH K65	706	-181.6	34.1	-65.4
	18	NORTH K65	757	-89.8	-8.1	-85.0
		SOUTH K65	757	-87.4	-8.5	-86.4 *
	19	NORTH K65	759	-76.5	27.5	-65.3
		SOUTH K65	759	-73.5	30.9	-64.5
	20	NORTH K65	781	-60.4	-6.8	-92.3
		SOUTH K65	781	-62.4	-8.7	-104.1 *

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE
(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APPENDIX A
(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000020

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI
Location FERNALD, OHIO
Subject K65 RE-ANALYSIS

W.O. 806-01
Date 11-21-88
By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 40.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
DOME	21	NORTH K65	783	-55.0	29.5	-70.3
		SOUTH K65	783	-49.4	34.9	-79.4
	22	NORTH K65	831	-68.9	10.9*	-75.8
		SOUTH K65	831	-71.3	7.3	-77.7
	23	NORTH K65	858	-89.5	21.7*	-89.3
		SOUTH K65	858	-87.5	23.2*	-92.5
	24	NORTH K65	860	-100.5*	-3.5	-113.2*
		SOUTH K65	860	-99.1*	-3.6	-118.1*
	25	NORTH K65	864	-97.7	16.2	-110.8
		SOUTH K65	864	-95.6	17.2	-115.5

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE
(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APDENDIX A
(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

562

Client ASI

Location FERNALD, OHIO

Subject K65 RE-ANALYSIS

W.O. 806-01

Date 11-21-88

By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 40.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
DOME	26	NORTH K65	907	-90.1	1.8	-74.0
		SOUTH K65	907	-82.7	0.9	-81.4
	27	NORTH K65	912	-83.9	-2.9	-75.1
		SOUTH K65	912	-80.1	-3.1	-73.7
	28	NORTH K65	925	-88.8	1.9	-104.2*
		SOUTH K65	925	-84.1	1.6	-94.9
	29	NORTH K65	927	-84.7	7.5*	-90.3
		SOUTH K65	927	-80.0	5.0	-81.3
	30	NORTH K65	941	-88.1	1.9	-100.6
		SOUTH K65	941	-87.6	3.1	-117.4

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE

(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APDENDIX A

(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000022

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD, OHIO

Subject K65 RE-ANALYSIS

W.O. 806-01

Date 11-21-88

By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
DOME	31	NORTH K65	945	-87.2	5.6	-99.1
		SOUTH K65	945	-84.9	9.2	-115.2
	32	NORTH K65	972	-144.8	-2.5	-101.4*
		SOUTH K65	972	-125.5	-1.5	-104.9
	33	NORTH K65	976	-161.1*	7.9*	-92.2
		SOUTH K65	976	-137.5*	3.6	-109.3
	34	NORTH K65	997	-36.5	10.1	-126.9
		SOUTH K65	997	74.0	32.4*	64.9
	35	NORTH K65	1000	-330.2*	40.1*	-318.9*
		SOUTH K65	1000	-315.1*	22.9	-234.0*

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE

(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APPENDIX A

(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000023

Dynamic Analysis

Will be Submitted
at a later date

SECTION 6.0 - REFERENCES

1. Camargo Associates, Limited: "K-65 Silo Study and Evaluation", Report for the Department of Energy Feed Materials Production Center, 1986.

2. Camargo Associated, Limited: "Temporary Protective Cover System for K-65 Tanks", Report for the Department of Energy Feed Materials Production Center, 1986.

3. Billington, D. P.: "Thin Shell Concrete Structures", McGraw-Hill Book Company, New York, 1965.

4. ACI SP-28: "Concrete Thin Shells", 1971.

5. ACI SP-67: "Concrete Shell Buckling", 1981.

6. ACI 318: "Building Code Requirements for Reinforced Concrete", 1983.

7. ACI 334.1R: "Concrete Shell Structures Practice and Commentary", 1964 (Revised 1982).

8. Ohio Basic Building Code, 1988.

9. Joint committee on standard specifications for concrete and reinforced concrete: "Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete", 1940.

10. ACI 318.1: "Building Code Requirements for Structural Plain Concrete", 1983 (Revised 1987).

FINITE ELEMENT COMPUTER PROGRAMS

11. MICAS, produced by Intergraph-Rand Corporation, Dallas, Texas.

12. ASHSD2: "Dynamic Stress Analysis of AXI-Syxmmetric Structures Under Arbitrary Loading", by Ghosh and Wilson, 1975 (Revised) Earthquake Engineering Research Center.

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD

Subject

W.O. 806-01

Date 11-30-81

By BH

APPENDIX A

CALCULATIONS

000027

Form 10-CS

562 0

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD

Subject NORTH SILO : Physical Properties

CHECKED

W.O. 806-01

Date 11-29-88

By BH

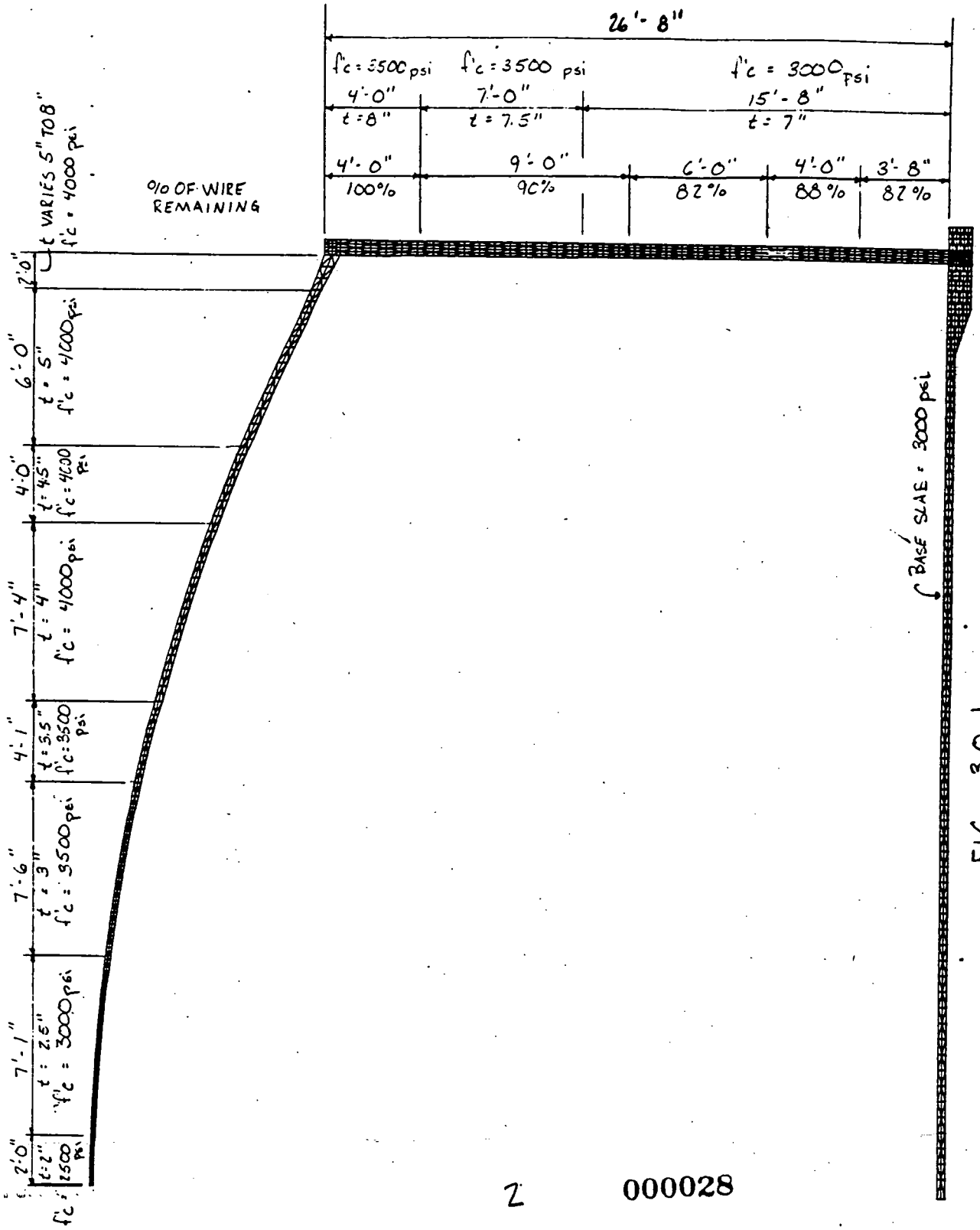


FIG 3.0.1
NORTH SILO PHYSICAL PROPERTIES

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

562 0

Client ASI

Location FERNALD

Subject SOUTH SILO : Physical Properties

CHECKED

W.O. 806-01

Date 11-29-88

By BH

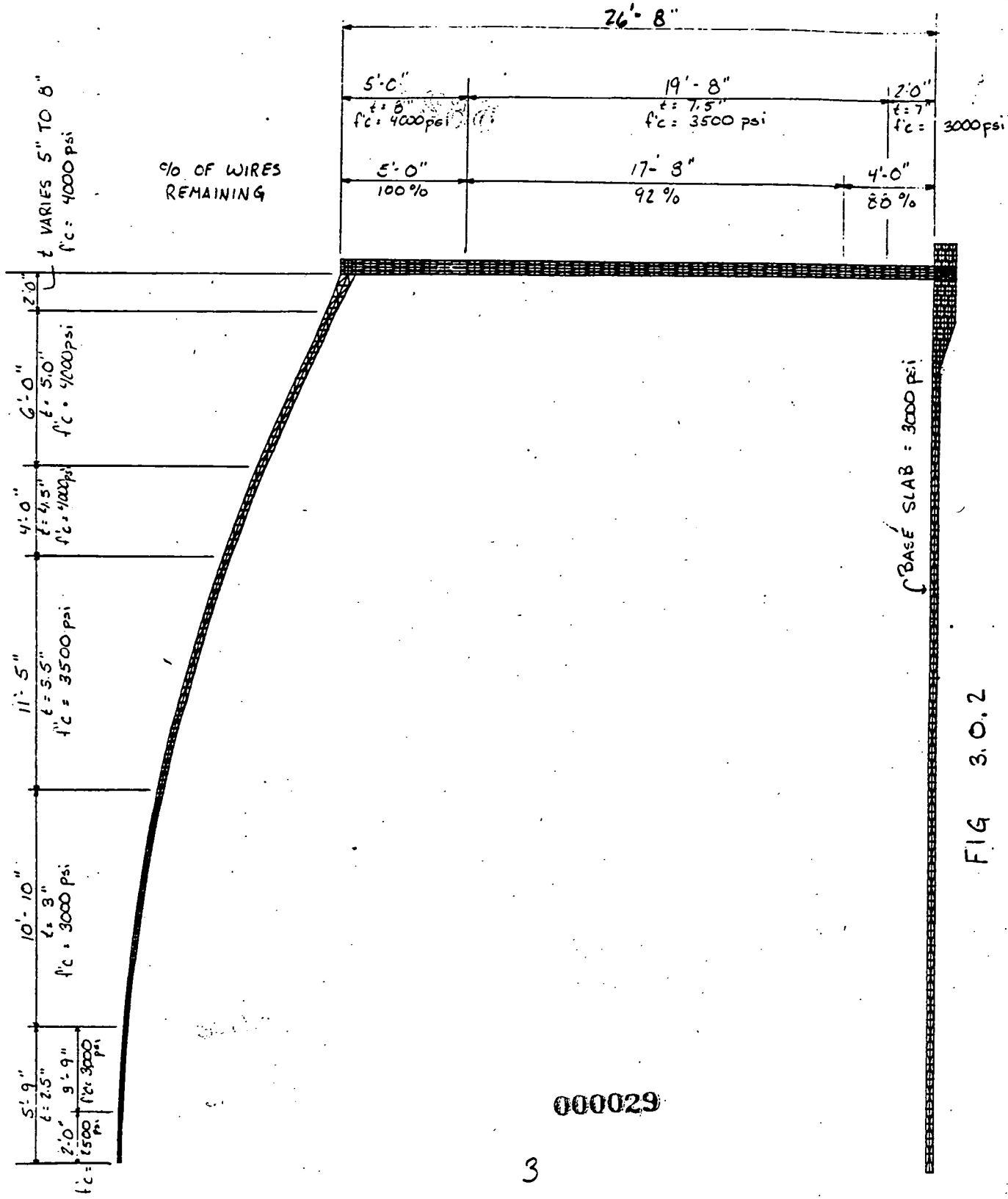


FIG 3.0.2 SOUTH SILO PHYSICAL PROPERTIES

000029

Form 10-CS

5680 CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | | Date 11-29-88

Subject CRACKED DOME SECTION | | By BH

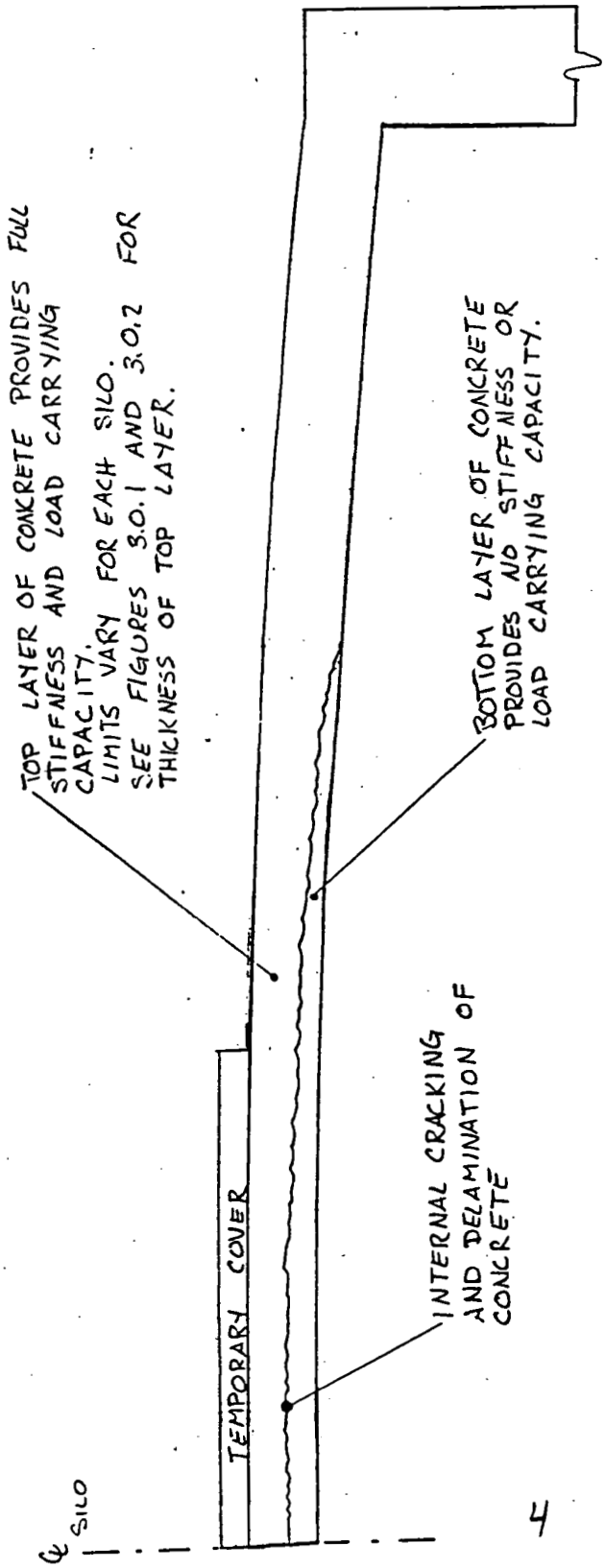


FIG. 3.0.3 CRACKED DOME SECTION

000030

4

Client: ASI
Location: FERNALD OHIO
Subject: NORTH SILO: Summary of Static Loads

CHECKED
W.O. 806-01
Date 11-29-88
By BH

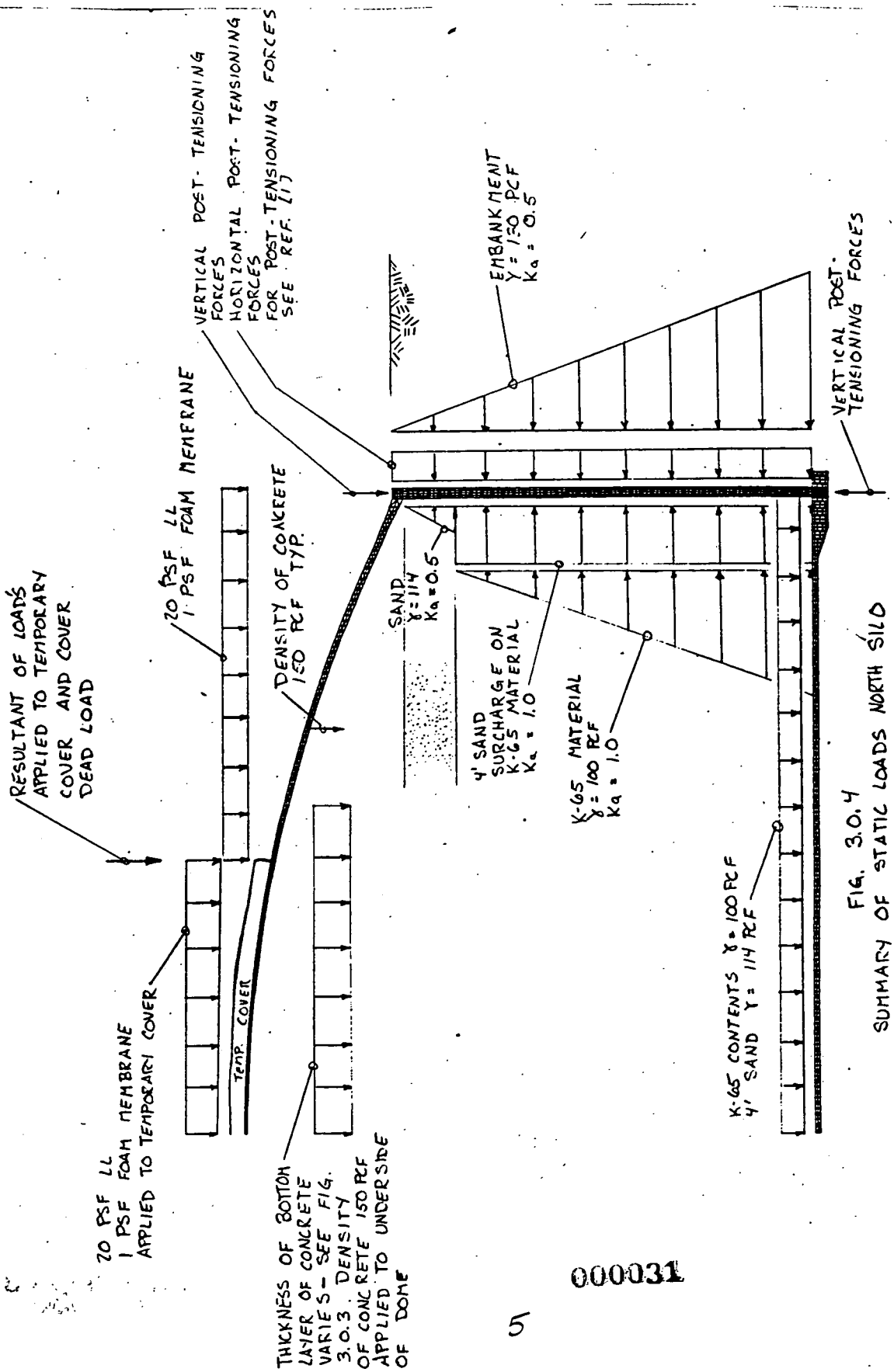


FIG. 3.0.4
SUMMARY OF STATIC LOADS NORTH SILO

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01
Location FERNALD | Date 10-27-88
Subject North Silo additional base load for Wang model | By BH

Load Type : additional load due to sand (Load case C)

$$P = P_1 \frac{h\gamma}{h_1\gamma_1}$$

P = load due to sand (#)
h = height of sand (FT)
γ = density of sand (#/FT³)
P_1 = Exsisting contents load (load case 5) (#)
γ_1 = density of exsisting material (#/FT³)
h_1 = height of exsisting material (FT)

$$K = \text{constant} = \frac{h\gamma}{h_1\gamma_1} = \frac{4(114)}{22(100)} = 0.20727$$

Node #	P_1	K	P (y direction)
3	1189	0.20727	-246.4
6	7649		-1585.4
9	13830		-2866.6
12	19970		-4139.2
15	26110		-5411.9
18	32260		-6686.6
21	38400		-7959.3
24	44540		-9231.9
27	50680		-10504.6
30	56820		-11777.2

000032

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD

Subject NORTH Silo additional base load for Wang model

CHECKED

W.O. 806-01

Date 10-27-88

By BH

Load Type : con't

P= P₁ K

Node #	P_1	K	P (y direction)
33	62970	0.20727	- 13051.9
36	69120		- 14326.7
39	75260		- 15599.3
42	81400		- 16872.0
45	87550		- 18146.7
48	93720		- 19425.6
51	99800		- 20685.8
54	105970		- 21964.7
57	112140		- 23243.6
60	118220		- 24503.8
63	124390		- 25782.6
66	130560		- 27061.5
69	136730		- 28340.4
72	142810		- 29600.6
75	148980		- 30879.5
78	155150		- 32158.4
81	161230		- 33418.6
84	167400		- 34697.5
87	173570		- 35976.3
90	179650		- 37236.5
93	185810		- 38513.3
96	191990		- 39794.3
99	198130		- 41066.9
102	204250		- 42337.3

000033

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

562 0

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 10-27-88

Subject NORTH Silo additional base load for Wang model | By BH

Load Type : con't

P = P, K

Node #	P,	K	P (Y direction)
105	210400	0.20727	- 436102
108	216570		- 448891
111	222740		- 461679
114	228910		- 474468
117	234990		- 495195
120	241160		- 499859
123	247280		- 512544
126	253410		- 525249
129	259580		- 538039
132	265750		- 550827
135	271830		- 563429
138	278000		- 576218
141	284170		- 589007
144	290250		- 601609
147	294200		- 609796
150	302590		- 627187
153	308660		- 639768
156	314830		- 652557
159	321000		- 665345
162	327170		- 678134
165	291610		- 604428
169	253410		- 525250

000034

B

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 10-27-88

Subject NORTH SIO additional base load for Wang model | By EH

Load Type: con't

P = P₁K

Node #	P_1	K	P (y direction)
174	256860	0.207 27	- 53240.1
180	260300	↓	- 53953.1
187	263750		- 54668.2
194	267200		- 55383.3
201	248150		- 51434.7
208	229820		- 47635.4
215	see page 10		- 33376.5

000035

Form 10-CS

562 0

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client: ASI

Location: FERNALD OHIO

Subject: NORTH Silo : base load on Wang model

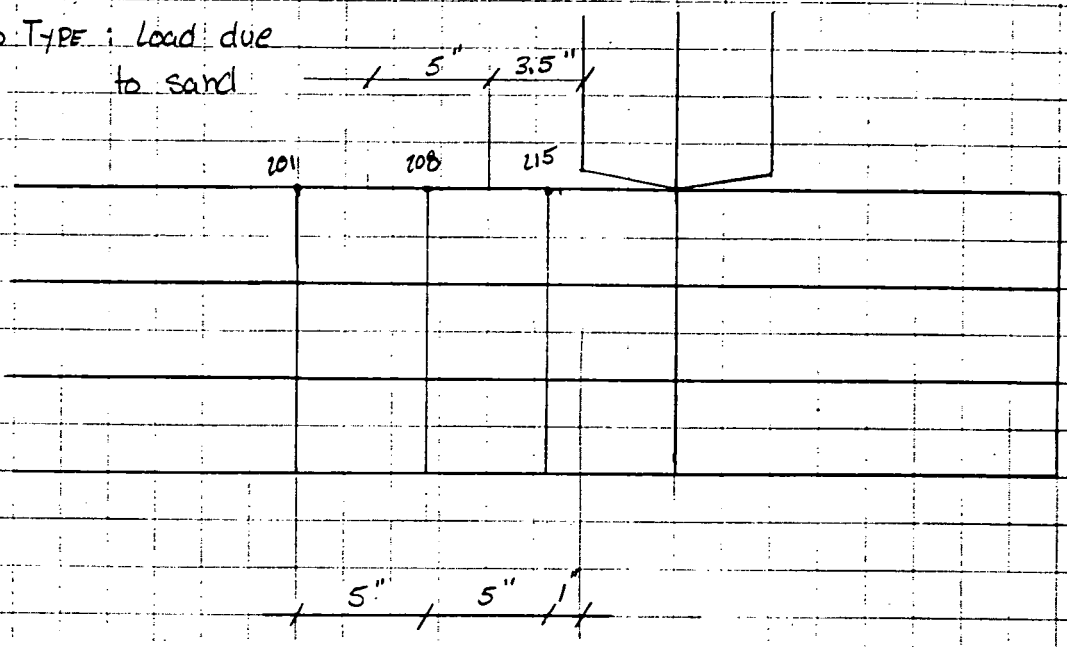
CHECKED

W.O. 806-01

Date 11-28-88

By BH

LOAD TYPE : Load due to sand



Area of ring

$$A_{208} = \pi r^2 \frac{1}{144} = \frac{\pi (477.5)^2}{144} = 4974.32 \text{ FT}^2$$

$$A_{215} = \pi r^2 \frac{1}{144} = \frac{\pi (481)^2}{144} = 5047.51 \text{ FT}^2$$

$$A_{ring} = 5047.51 - 4974.32$$
$$= 73.19 \text{ FT}^2$$

LOAD

$$P = h \gamma A$$
$$= 4(114)(73.19)$$
$$= 33376.47 \#$$

000036

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01

Location FERNALD OHIO | Date 11-28-88

Subject NORTH SILO : LOADS on Wang model | By BH

LOAD TYPE : load due to sand on tank wall for surcharge

$P = 2h\gamma y \pi r K_a$

h = depth of node (FT)
γ = density of sand (#/FT³)
y = height of load application (FT)
r = radius (FT)
K_a = lateral soil pressure constant
P = load (#)

Node #	h	γ	y	r	K_a	P (x-direction)
258	4.0	114	0.333	40.083	1	38242.75
262			0.666			76542.93
267						
272						
277						
282						
287						
292						
297						
302						
307						
312						
317						
322						
327						

000037

Form 10-CS

5620 CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01

Location FERNALD OHIO | Date 11-28-88

Subject NORTH SILO : LOADS on Wang model | By BH

LOAD TYPE: con't

$P = 2h\gamma y \pi r K_a$

Node #	h	γ	y	r	K_a	P (x-direction)
332	4.0	114	0.666	40.083	1	76542.93
337						
342						
347						
352						
357						
362						
367						
372						
377				40.041		76462.70
382						
387						
392						
397						
402						
407						
412						
417						
422	see example pg 14					58036.29

000038

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client: ASI | CHECKED | W.O. 806-01

Location: FERNALD | Date: 10-27-88

Subject: NORTH Silo additional loads on Wang model | By: BH

Load Type: Load due to sand on tank wall

$P = 2h\gamma y \pi r K_a$

h = depth of node (FT)
γ = density of sand (#/FT³)
y = height of load application (FT)
r = radius (FT)
K_a = lateral soil pressure constant
P = load (#)

Node #	h	γ	y	r	K_a	P (x direction)
427	3.333	114	0.666	40	0.5	31828.4
432	2.666	↓	↓	↓	↓	25458.9
437	2.00	↓	↓	↓	↓	19090.0
442	1.333	↓	↓	↓	↓	12729.5
447	0.667	↓	↓	↓	↓	6369.5

000039

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNAL / OH

Subject NORTH Silo

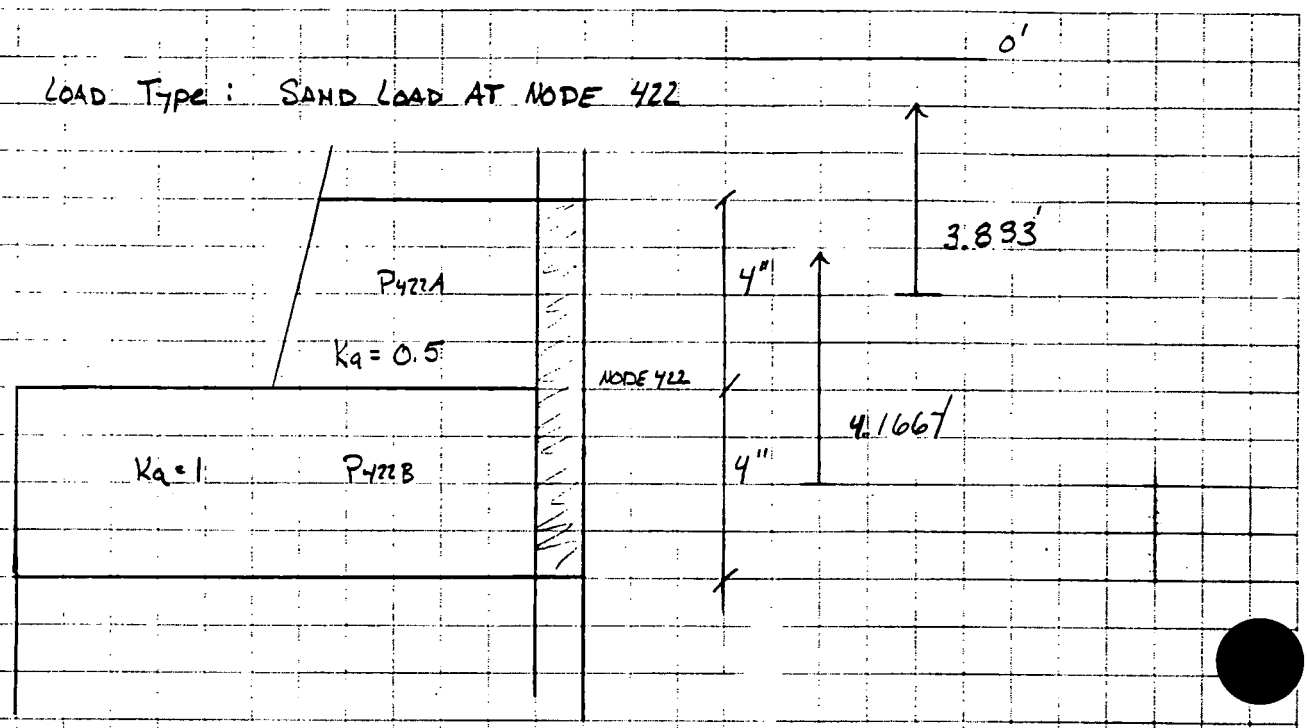
CHECKED

W.O. 806-01

Date 11-4-88

By BH

LOAD TYPE: SAND LOAD AT NODE 422



$P = h_y \gamma K_a 2\pi r$

P_{422A} : $(3.833)(0.3333)(114)(0.5)\,2\pi(40)$
$= 18285.12$

P_{422B} = $(4.1664)(0.3333)(114)(1)\,2\pi(40)$
$= 39751.169$

P_{TOTAL} = $P_{422A} + P_{422B}$
$= 18285.12 + 39751.169$
$= \underline{58036.289\ \#}$

000040

Form 10-CS

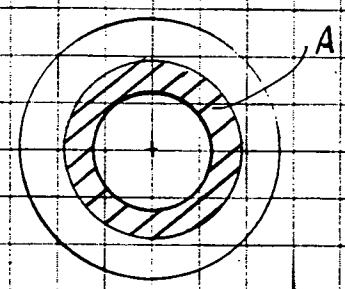
CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01
Location FERNALD | Date 10-21-88
Subject NORTH Silo Concrete load for Wang model | By BH

Load Type : weight of silo, non struct. concrete
Wang model (Load Case 1)

Dome Plan



$P = A\,t\,w$

A = area of ring (FT^2)
t = thickness of concrete (FT)
w = density of concrete ($\#/FT^3$)
P = load (#)

Node #	A	t	w	P (y direction)
692	0.0872	0.1667	150	- 2.18
689	0.6981			- 17.45
686	1.3962			- 34.91
683	2.0944			- 52.36
680	see example pg 18			- 68.61
677	" " " 18			- 76.36
674	" " " 18			- 80.11
671	6.3268	0.125		- 118.63
668	7.4176			- 139.08
665	8.5084			- 159.53
662	9.5993			- 179.99
659	10.6901			- 200.44
656	11.7809			- 220.89
653	12.8718			- 241.35
650	13.9626			- 261.80

000041

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 10-27-88

Subject NORTH Silo Concrete load for Wang model | By BH

Load Type : con't

P = Atw

Node #	A	t	w	P (y direction)
647	15.0534	0.125	150	- 282.25
644	16.1443			- 302.71
641	17.2351			- 323.16
638	18.3259			- 343.61
635	19.4167			- 364.06
632	20.5076			- 384.52
629	21.5984			- 404.97
626	see example pg 20			- 416.98
623	" " " 20			- 412.38
620	" " " 20			- 388.38
617	31.6777	0.083		- 395.97
614	33.2485			- 415.61
611	34.8193			- 435.24
608	36.3901			- 454.88
605	37.9609			- 474.51
602	39.5317			- 494.15
599	41.1025			- 513.78
596	42.6733			- 533.42
593	44.2441			- 553.05
590	41.9370			- 524.21
587	47.3857			- 592.32
584	see example pg 22			- 592.32
581	" " " 22			- 473.69
578	" " " 22			- 372.76

000042

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD

Subject NORTH Silo Concrete load for Wang

CHECKED

W.O. 806-01

Date 10-27-88

By BH

Load Type : con't

P = Atw

Node #	A	t	w	P (y direction)
575	62.9191	0.0417	150	- 393.56
572	65.0571	↓	↓	- 406.93
569	67.1952			- 420.31
566	69.3332			- 433.68
563	71.4712			- 447.05
560	see example pg 24			- 433.07
557	" " " 24			- 261.97
554	" " " 24			- 37.20

000043

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

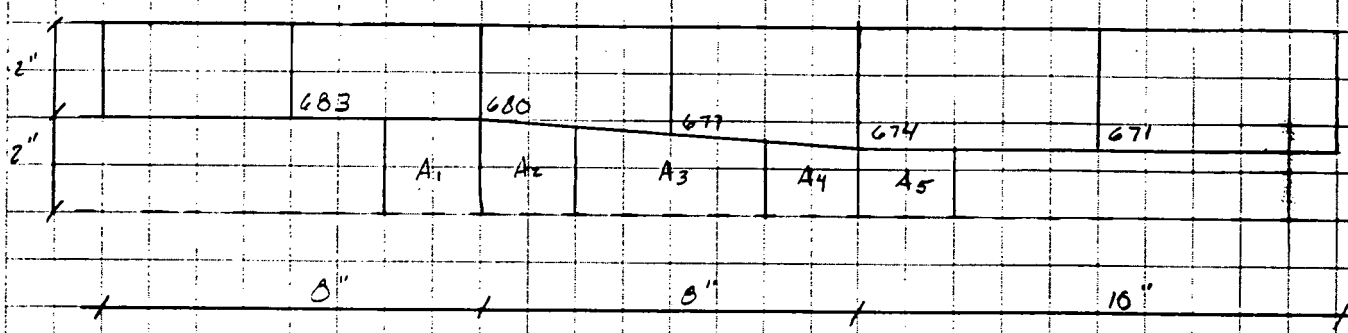
Client ASI | CHECKED | W.O. 806-01

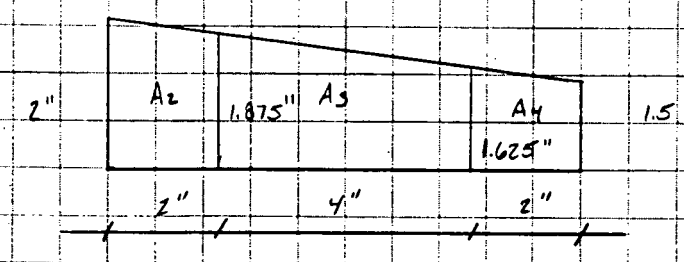
Location FERNALD | Date 10-20-88

Subject NORTH Silo additional loads on Wang model | By BH

Load Type: weight of silo- non struct. concrete
Wang model

ex: where actual thickness changes @ nodes 680, 677 & 674





$$A_1 = \frac{(2)(2)}{144} = 0.0277 \text{ FT}^2$$

$$A_2 = \frac{2(2 + 1.875)}{2(144)} = 0.0269 \text{ FT}^2$$

$$A_3 = \frac{4(1.875 + 1.625)}{2(144)} = 0.04861 \text{ FT}^2$$

$$A_4 = \frac{2(1.625 + 1.5)}{2(144)} = 0.02170 \text{ FT}^2$$

000044

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD
Subject NORTH SILO additional loads on Wang model

CHECKED
W.O. 806-01
Date 10-28-88
By BH

Load Type: cont

$A_\sigma = \frac{2(1.5)}{144} = 0.0208 \text{ FT}^2$

$P = A\,2\pi r w$

A = tributary node area (FT²)
r = radius of node (FT)
w = density of concrete (#/FT³)
P = load (#)

$P_{e680} = 2(0.0277 + 0.0269)(1.333)(150)\pi$
$= 68.61$ #

$P_{e677} = 2(0.04861)(1.666)(150)\pi$
$= 76.36$ #

$P_{e674} = 2(0.02170 + 0.0208)(150)(2)\pi$
$= 80.11$ #

000045

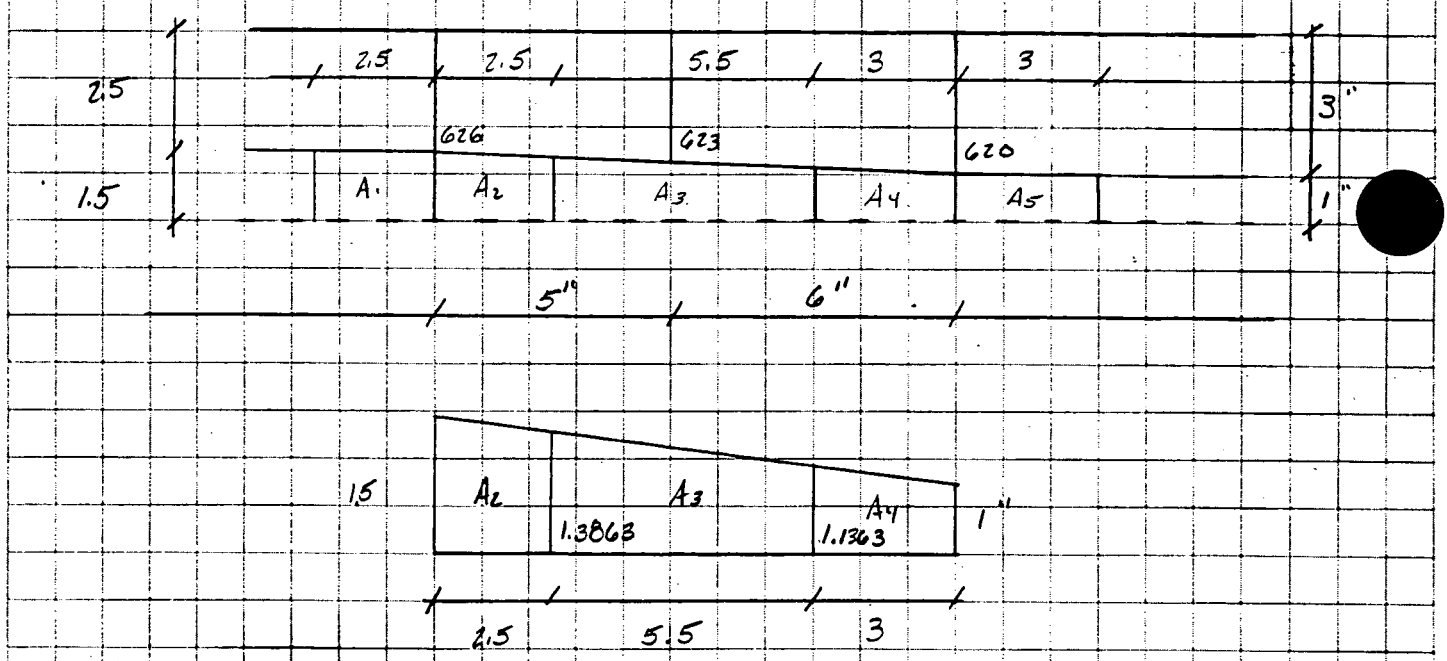
Form 10-CS

562 0 CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01
Location FERNALD | Date 10-28-88
Subject NORTH SILO additional loads on Wang model | By BH

Load Type: weight of silo - non-struct. concrete
Wang model

ex: where actual thickness changes @ nodes 626, 623, 620



$$A_1 = \frac{1.5(2.5)}{144} = 0.0260 \text{ FT}^2$$

$$A_2 = \frac{2.5(1.5 + 1.3863)}{2(144)} = 0.02505 \text{ FT}^2$$

$$A_3 = \frac{5.5(1.3863 + 1.1363)}{2(144)} = 0.04817 \text{ FT}^2$$

000046

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD
Subject NORTH SILO additional loads on Wang model

CHECKED
W.O. 806-01
Date 10-28-88
By BH

Load Type : con't

$$A_4 = \frac{(1.1363 + 1)3}{2(144)} = 0.0222 \text{ FT}^2$$

$$A_5 = \frac{(3)(1)}{144} = 0.0208 \text{ FT}^2$$

$P = 2 A r \pi w$

A = tributary node area (FT^2)
r = radius of node (FT)
w = density of concrete ($\#/FT^3$)
P = load (#)

$$P_{@626} = 2(0.02660 + 0.02505)(150)(8.667)\pi$$
$$= 416.98 \#$$

$$P_{@623} = 2(0.04817)(150)(9.0833)\pi$$
$$= 412.38 \#$$

$$P_{@620} = 2(0.0222 + 0.0208)(150)(9.5833)\pi$$
$$= 388.38 \#$$

000047

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

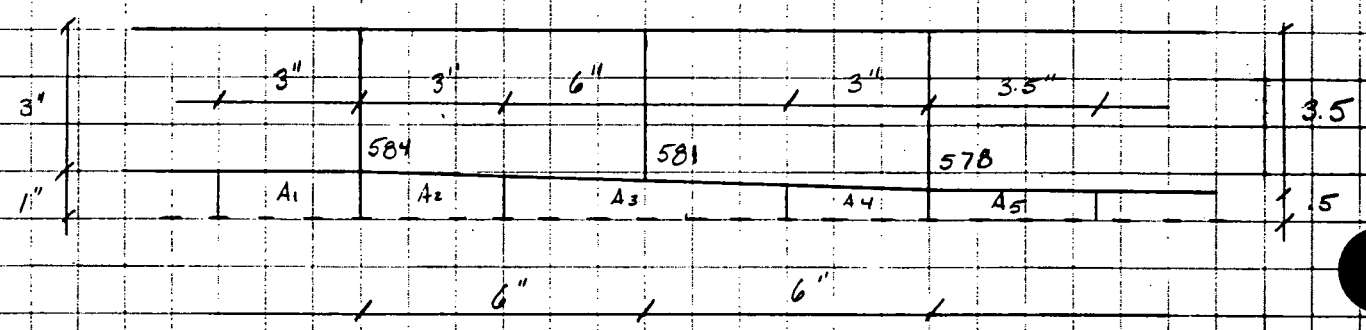
Client ASI | CHECKED | W.O. 806-01

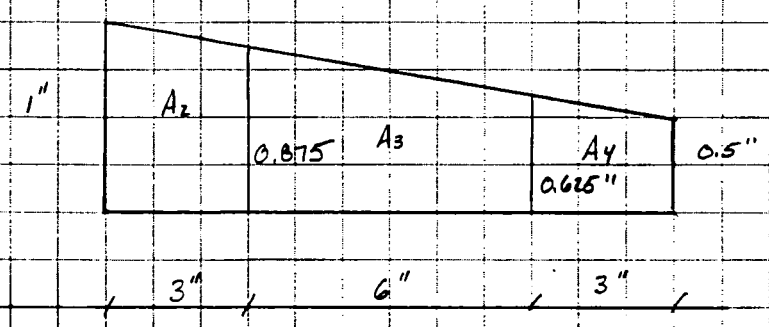
Location FERNALD | Date 10-28-88

Subject NORTH SILO additional loads on Wang model | By BH

Load Type: weight of silo non struct. concrete Wang model

ex: where actual thickness changes @ nodes 581, 578 & 584





$$A_1 = \frac{5(1)}{144} = 0.0208 \text{ FT}^2$$

$$A_2 = \frac{3(1 + 0.875)}{2(144)} = 0.01953 \text{ FT}^2$$

$$A_3 = \frac{6(0.875 + 0.625)}{2(144)} = 0.03125 \text{ FT}^2$$

000048

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01
Location FERNALD | Date 10-28-88
Subject NORTH SILO additional loads on Wang model | By BH

Load Type : con't

$$A_4 = \frac{3(0.625 + 0.5)}{2(144)} = 0.0117 \ FT^2$$

$$A_5 = \frac{(0.5)(3.5)}{144} = 0.01215 \ FT^2$$

$P = 2A\pi r w$

A = tributary node area (FT^2)
r = radius of node (FT)
w = density of concrete (#/FT^3)
P = load (#)

$$P_{@\,584} = 2(0.0208 + 0.01953)(150)(15.583)\pi$$
$$= 592.32 \ \#$$

$$P_{@\,581} = 2(0.08125)(150)(16.0833)\pi$$
$$= 473.69 \ \#$$

$$P_{@\,578} = 2(0.0117 + 0.01215)(150)(16.583)\pi$$
$$= 372.76 \ \#$$

000049

Form 10-CS

5620 CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

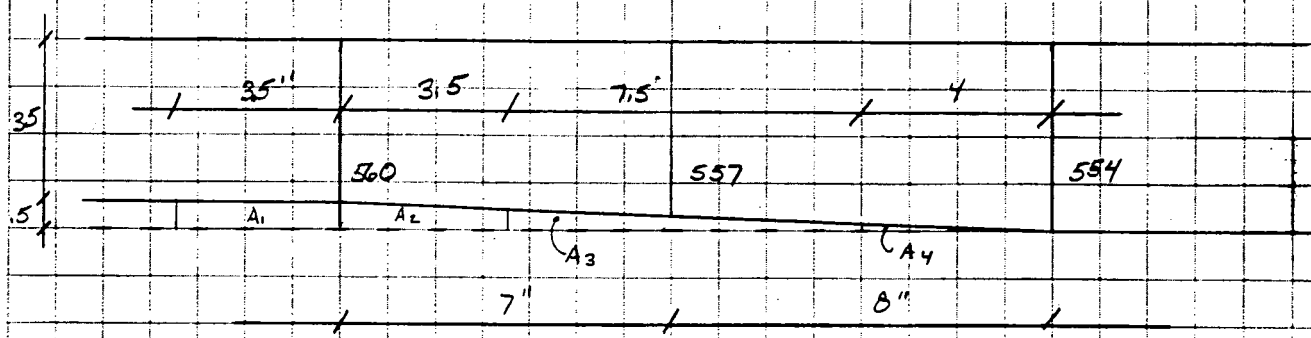
Client: ASI | CHECKED | W.O. 806-01

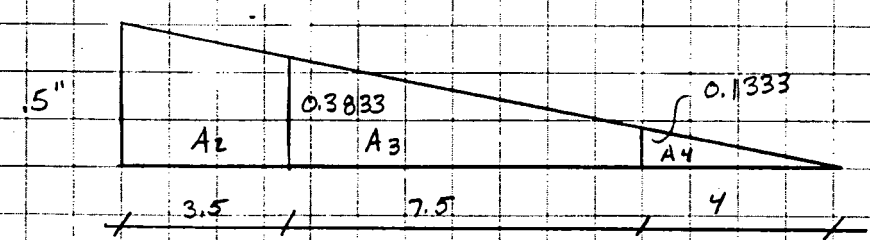
Location: FERNALD | Date: 10-28-88

Subject: NORTH SILO additional loads on Wang model | By: BH

Load Type: weight of silo non struct. concret
Wang model

ex: where actual thickness changes @ nodes 560, 557, 554





$$A_1 = \frac{(0.5)(3.5)}{144} = 0.01215 \text{ FT}^2$$

$$A_2 = \frac{3.5(0.5 + 0.3833)}{2(144)} = 0.01073 \text{ FT}^2$$

$$A_3 = \frac{7.5(0.3833 + 0.1333)}{2(144)} = 0.01345 \text{ FT}^2$$

000050

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01
Location FERNALD | Date 10-28-88
Subject NORTH SILO additional loads on Wang model | By BH

Load Type: con't

$$A_4 = \frac{4(0.1333)}{2(144)} = 0.00185\ FT^2$$

$P = A 2\pi r w$

A = tributary node area (FT^2)
r = radius of node (FT)
w = density of concrete (#/FT^3)
p = load (#)

$$P_{e\ 560} = (0.01215 + 0.01073)\,2\,(150)(20.0833)\,\pi$$
$$= 433.07\ \#$$

$$P_{e\ 557} = 2(0.01345)(150)(20.667)\,\pi$$
$$= 261.97\ \#$$

$$P_{e\ 554} = 2(0.00185)(150)(21.333)\,\pi$$
$$= 37.2\ \#$$

000051

NAL LOADS *

SED #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
1028	N	396	1	X	-94,017.000000
1029	N	401	1	X	-94,223.000000
1030	N	406	1	X	-80,705.000000
1031	N	411	1	X	-70,515.000000
1032	N	416	1	X	-62,684.000000
1033	N	421	1	X	-62,684.000000
1034	N	426	1	X	-62,684.000000
1035	N	431	1	X	-66,185.000000
1036	N	436	1	X	-69,640.000000
1037	N	441	1	X	-69,640.000000
1038	N	446	1	X	-69,648.000000
1039	N	451	1	X	-778,410.000000
1040	N	456	1	X	-453,390.000000
1041	N	461	1	X	-303,580.000000
1042	N	466	1	X	-151,800.000000
1043	N	259	1	Y	1,456,000.000000
1044	N	229	1	Y	1,456,000.000000
1045	N	230	1	Y	1,456,000.000000
1046	N	463	1	Y	-1,456,000.000000
1047	N	464	1	Y	-1,456,000.000000
48	N	465	1	Y	-1,456,000.000000
1	N	446	2	Y	-409.000000
2	N	445	2	Y	-849.000000
3	N	444	2	Y	-845.000000
4	N	443	2	Y	-841.000000
5	N	442	2	Y	-1,676.000000
6	N	469	2	Y	-2,482.000000
7	N	472	2	Y	-2,450.000000
8	N	475	2	Y	-2,419.000000
9	N	478	2	Y	-2,388.000000
10	N	481	2	Y	-2,356.000000
11	N	484	2	Y	-2,325.000000
12	N	487	2	Y	-2,293.000000
13	N	490	2	Y	-3,016.000000
14	N	493	2	Y	-2,960.000000
15	N	496	2	Y	-2,904.000000
16	N	499	2	Y	-2,848.000000
17	N	502	2	Y	-2,793.000000
18	N	505	2	Y	-2,737.000000

live load @ 20psf
load case 2

MICAS REV 3.4 FINITE ELEMENT ANALYSIS 01/30/86 14:11
ANALYSIS NO. 10 AXI-SYMETRIC PAGE

* NODAL LOADS *

NOD #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
19	N	508	2	Y	-2,681.000000
20	N	511	2	Y	-2,625.000000
21	N	514	2	Y	-2,569.000000
22	N	517	2	Y	-2,513.000000
23	N	520	2	Y	-2,457.000000
24	N	523	2	Y	-2,402.000000
25	N	526	2	Y	-2,346.000000
26	N	529	2	Y	-2,290.000000
27	N	532	2	Y	-2,234.000000
28	N	535	2	Y	-2,178.000000
29	N	538	2	Y	-2,122.000000
30	N	541	2	Y	-2,066.000000
31	N	544	2	Y	-2,011.000000
32	N	547	2	Y	-1,955.000000
33	N	550	2	Y	-1,899.000000
34	N	553	2	Y	-1,843.000000
35	N	556	2	Y	-1,787.000000
36	N	559	2	Y	-1,614.000000
37	N	562	2	Y	-1,464.000000
38	N	565	2	Y	-1,421.000000
39	N	568	2	Y	-1,379.000000
40	N	571	2	Y	-1,336.000000
41	N	574	2	Y	-1,294.000000
42	N	577	2	Y	-1,251.000000
43	N	580	2	Y	-1,058.000000
44	N	583	2	Y	-1,011.000000
45	N	586	2	Y	-979.000000
46	N	589	2	Y	-948.000000
47	N	592	2	Y	-916.000000
48	N	595	2	Y	-885.000000
49	N	598	2	Y	-854.000000
50	N	601	2	Y	-822.000000
51	N	604	2	Y	-791.000000
52	N	607	2	Y	-759.000000
53	N	610	2	Y	-728.000000
54	N	613	2	Y	-696.000000
55	N	616	2	Y	-665.000000
56	N	619	2	Y	-634.000000
57	N	622	2	Y	-602.000000
58	N	625	2	Y	-571.000000

live load goes to zero, Nodes under temporary cover

000053

* Y LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
59	N	628	2	Y	-454.0000000
60	N	631	2	Y	-432.0000000
61	N	634	2	Y	-410.0000000
62	N	637	2	Y	-388.0000000
63	N	640	2	Y	-367.0000000
64	N	643	2	Y	-345.0000000
65	N	646	2	Y	-323.0000000
66	N	649	2	Y	-301.0000000
67	N	652	2	Y	-279.0000000
68	N	655	2	Y	-257.0000000
69	N	658	2	Y	-236.0000000
70	N	661	2	Y	-214.0000000
71	N	664	2	Y	-192.0000000
72	N	667	2	Y	-170.0000000
73	N	670	2	Y	-148.0000000
74	N	673	2	Y	-127.0000000
75	N	676	2	Y	-94.0000000
76	N	679	2	Y	-70.0000000
77	N	682	2	Y	-56.0000000
78	N	685	2	Y	-42.0000000
	N	688	2	Y	-28.0000000
80	N	691	2	Y	-14.0000000
81	N	694	2	Y	-2.0000000
1	N	3	4	Y	-1.189.0000000
2	N	6	4	Y	-7.649.0000000
3	N	9	4	Y	-13.830.0000000
4	N	12	4	Y	-19.970.0000000
5	N	15	4	Y	-26.110.0000000
6	N	18	4	Y	-32.260.0000000
7	N	21	4	Y	-38.400.0000000
8	N	24	4	Y	-44.540.0000000
9	N	27	4	Y	-50.680.0000000
10	N	30	4	Y	-56.820.0000000
11	N	33	4	Y	-62.970.0000000
12	N	36	4	Y	-69.120.0000000
13	N	39	4	Y	-75.260.0000000
14	N	42	4	Y	-81.400.0000000
15	N	45	4	Y	-87.550.0000000
16	N	48	4	Y	-93.720.0000000

live load goes to zero. nodes under temporary cover.

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD

Subject North Silo additional loads on Wang model

CHECKED

W.O. 806-01

Date 10-28-88

By BH

Load Type: Dead load on dome 1psf

$P = Aw$

A = area of ring on dome (FT^2)
w = dead load weight ($\#/FT^2$)
P = load (#)

Node #	A	w	P (y direction)
589	47.39	1	-47.39
586	48.96		-48.96
583	50.53		-50.53
580	56.51		-56.51
577	62.92		-62.92
574	65.06		-65.06
571	67.20		-67.20
568	69.33		-69.33
565	71.47		-71.47
562	73.60		-73.60
559	81.24		-81.24
556	89.36		-89.36
553	92.15		-92.15
550	94.95		-94.95
547	97.74		-97.74
544	100.53		-100.53
541	103.32		-103.32
538	106.12		-106.12

000055

Form 10-CS

562

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD

Subject NORTH Silo additional loads on Wang model

CHECKED

W.O. 806-01

Date 10-28-88

By BH

Load Type cont

$P = Aw$

Node #	A	w	P (Y direction)
535	108.91	1	- 108.91
532	111.70		- 111.70
529	114.49		- 114.49
526	117.29		- 117.29
523	120.08		- 120.08
520	122.87		- 122.87
517	125.66		- 125.66
514	128.46		- 128.46
511	131.25		- 131.25
508	134.04		- 134.04
505	136.83		- 136.83
502	138.23		- 138.23
499	142.42		- 142.42
496	145.21		- 145.21
493	148.00		- 148.00
490	131.79		- 131.79
487	114.67		- 114.67
484	116.24		- 116.24
481	117.81		- 117.81
478	119.38		- 119.38
475	120.95		- 120.96
472	122.52		- 122.52

000056

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 10-28-88

Subject NORTH Silo additional loads on Wang model | By BH

Load Type: con't

P = Aw

node #	A	w	P y direction
469	124.09	1	- 124.09
462	63.16	↓	- 63.16
463	42.06		- 42.06
464	42.24		- 42.24
465	42.41		- 42.41
466	42.50		- 42.50

000057

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD

Subject NORTH Silo additional loads on Wang model

CHECKED

W.O. 806-01

Date 10-28-88

By BH

Load Type: Dead load of 150 PLF and live load of 160 plf on dome cover; cover with loads rests on tank dome

Dome cover

diameter = 30'

Live load

$P = \omega D \pi$

D = diameter of dome cover (FT)
ω = live load weight (#/FT)
P = load

$P = (150)(30)\pi$
$= 14137.16$

This load rests 1" to the left of node # 289

Dead load

$P = \omega D \pi$

D = diameter of dome cover (FT)
ω = live load weight (#/FT^2)
P = load (#)

000058

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD

Subject North Silo additional loads on Wang Model

CHECKED

W.O. 806-01

Date 10-29-88

By BH

Load Type : cont

$P = (150)(30)\pi$

$= 14137.16$

this load rests 1" to the left of node #539 in the y direction.

000059

5620

Client A&I
Location FERNALD
Subject South Silo : Summary of Static Loads

CHECKED
W.O. 806-01
Date 11-29-88
By BH

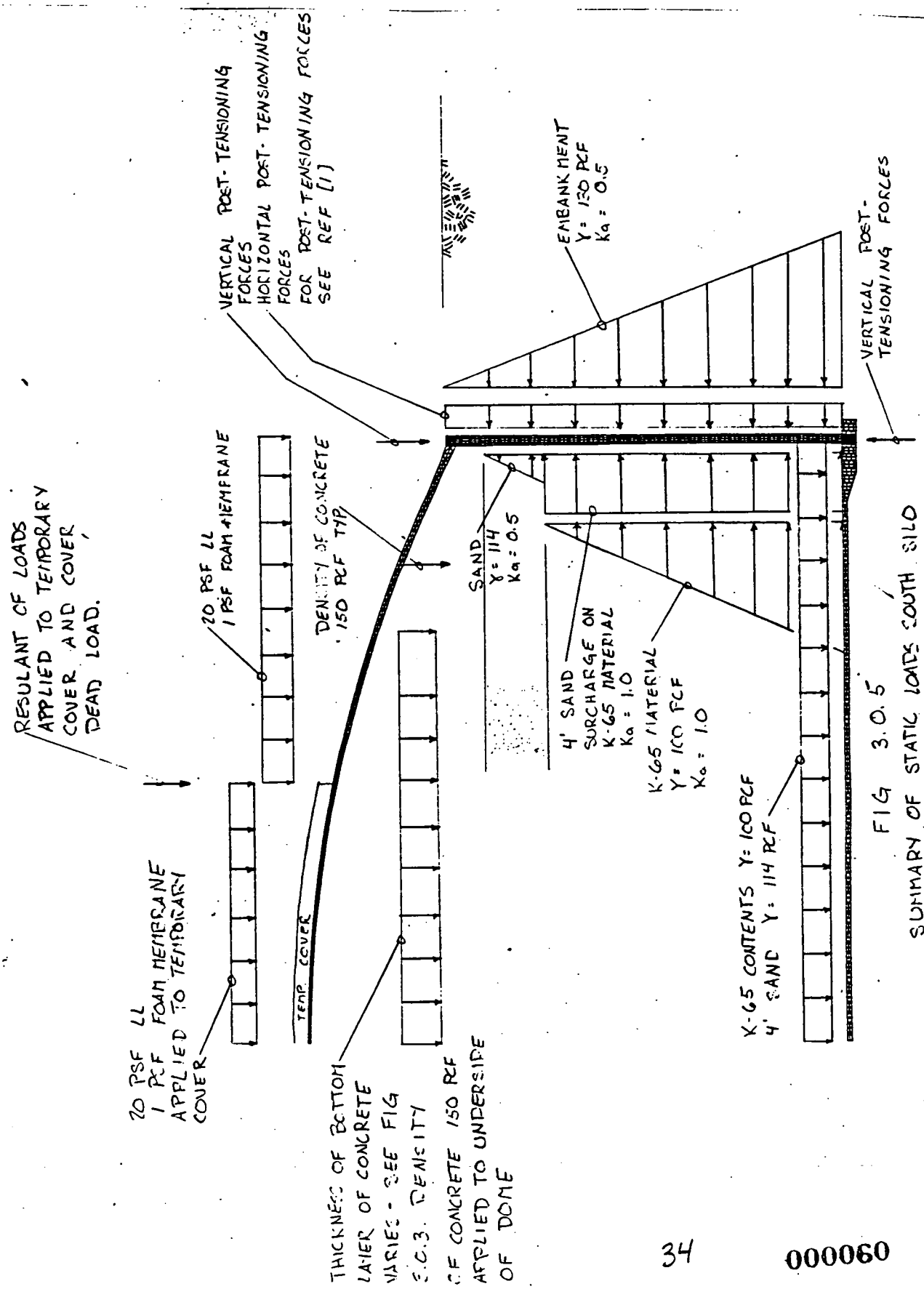


FIG 3.0.5
SUMMARY OF STATIC LOADS SOUTH SILO

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 10-31-88

Subject South Silo additional base load for Wang Model | By BH

Load Type : additional load due to sand on base

$$P = P_1 \frac{h\gamma}{h_1\gamma_1}$$

P = load due to sand (#)
h = height of sand (FT)
γ = density of sand (#/FT³)
P_1 = exsisting contents (load LOAD case 5) #
h_1 = height of exsisting material (FT)
γ_1 = density of exsisting material (#/FT³)

$$K = \text{constant} = \frac{h\gamma}{h_1\gamma_1} = \frac{4(114)}{20(100)} = 0.228$$

Node #	P_1	K	P (y direction)
3	1081	0.228	- 246.47
6	6953		- 1585.28
9	12570		- 2865.96
12	18150		- 4138.20
15	23740		- 5412.72
18	29320		- 6684.96
21	34910		- 7959.48
24	40490		- 9231.72
27	46070		- 10503.96
30	51660		- 11778.48
33	57240		- 13050.72

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client: ASI

Location: FERNALD

Subject: South Silo additional loads for Wang model

CHECKED

W.O. 806-01

Date 10-31-88

By RH

Load Type: con't

$P = P_i K$

Node #	P_i	K	P (y direction)
36	62830	0.228	- 14325.24
39	68420		- 15599.76
42	74000		- 16872.00
45	79590		- 18146.52
48	85200		- 19425.60
51	90730		- 20686.44
54	96340		- 21965.52
57	101950		- 23244.60
60	107470		- 24503.16
63	113080		- 25782.24
66	118690		- 27061.32
69	124300		- 28340.40
72	129830		- 29601.24
75	135430		- 30878.04
78	141040		- 32157.12
81	146570		- 33417.96
84	152180		- 34697.04
87	157790		- 35976.12
90	163310		- 37234.68
93	168920		- 38513.76
96	174530		- 39792.84
99	180110		- 41065.08
102	185670		- 42332.76
105	191270		- 43609.56

000062

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 10-31-88

Subject SOUTH Silo additional loads for Wang model | By BH

Load Type: con't

P = P.K

Node #	P.	K	P (y direction)
108	196880	0.228	- 44888.64
111	202490		- 46167.72
114	208100		- 47446.80
117	213620		- 48707.64
120	219240		- 49986.72
123	224790		- 51252.12
126	230370		- 52524.36
129	235980		- 53803.44
132	241540		- 55082.52
135	247110		- 56341.08
138	252770		- 57620.16
141	258330		- 58899.24
144	263860		- 60160.08
147	269470		- 61439.16
150	275070		- 62715.96
153	280600		- 63976.80
156	286210		- 65255.88
159	291820		- 66534.96
162	297430		- 67814.04
165	265090		- 60440.52
169	230370		- 52524.36
174	233500		- 53238.00

000063

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 10-31-88

Subject SOUTH Silo additional base load for Wang Model | By BH

Load Type : con't

P = P₁ K

Node #	P₁	K	P (y direction)
180	236640	0.228	- 53953.92
187	239770		- 54667.56
194	242910		- 55383.48
201	225590		- 51434.52
208	208920		- 47633.76
215	SEE PAGE 39		- 33374.64

000064

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

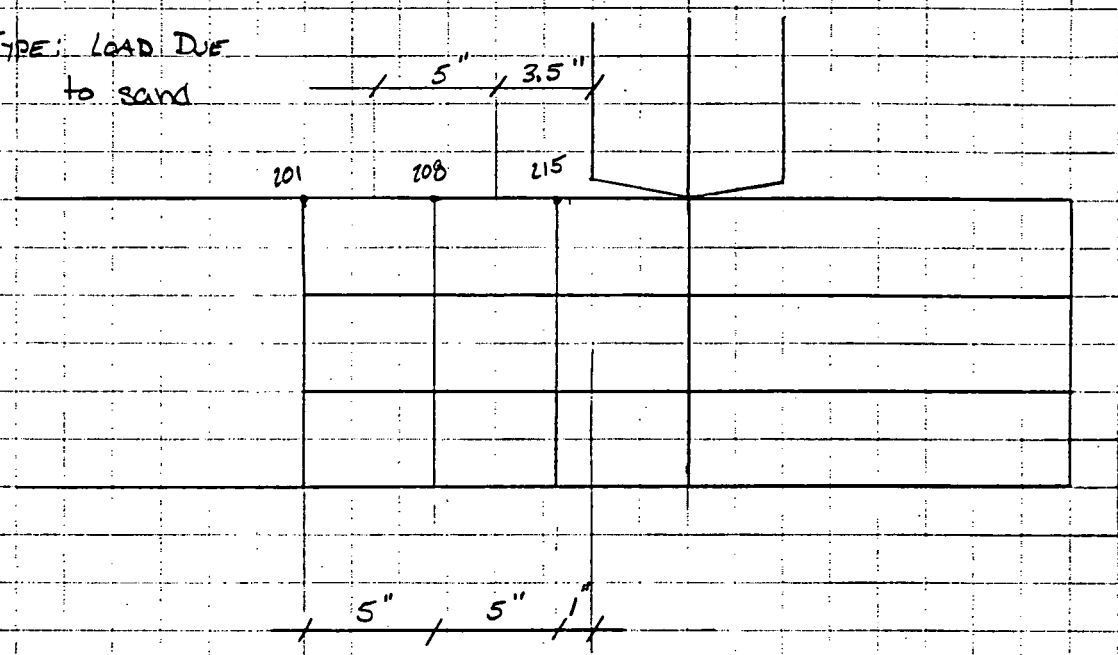
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01

Location FERNALD OHIO | Date 11-28-88

Subject South Silo : Revised load @ node 215 on base slab | By BH

LOAD TYPE: LOAD DUE to sand



Area of ring

$$A_{208} = \pi r^2 \tfrac{1}{144} = \frac{\pi (477.5)^2}{144} = 4974.32 \text{ FT}^2$$

$$A_{215} = \pi r^2 \tfrac{1}{144} = \frac{\pi (481)^2}{144} = 5047.51 \text{ FT}^2$$

$$A_{ring} = 5047.51 - 4974.32$$
$$= 73.19 \text{ FT}^2$$

LOAD

$$P = h \gamma A$$
$$= 4 (144)(73.19)$$
$$P = 33376.47 \#$$

000065

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01
Location FERNALD OHIO | Date 11-28-88
Subject SOUTH SILO : loads on Wang model | By BH

LOAD TYPE : load due to sand on tank wall for surcharge

$P = 2h\gamma y K_a \pi r$

h = depth of node (FT)
γ = density of sand (#/FT³)
y = height of load application (FT)
r = radius (FT)
K_a = lateral soil pressure constant
P = load (#)

Node #	h	γ	y	r	K_a	P (x direction)
258	4.0	114	0.333	40.083	1	38242.75
262			0.666			76542.95
267						
272				40.041		76462.73
277						
282						
287						
292						
297						
302						
307						
312						
317						
322						
327						

000066

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD OHIO

Subject SOUTH Silo : loads on Wang model

CHECKED

W.O. 806-01

Date 11-28-88

By RH

LOAD TYPE : cont

$P = 2hY\gamma K_a \pi r$

Node #	h	γ	γ	r	K_a	P (x direction)
332	40	114	0.666	40.041	1	76462.73
337	↓	↓	↓	↓	↓	↓
342						
347						
352						
357						
362						
367						
372						
377						
382						
387						
392						
397						
402						
407						

000067

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI
Location FERNALD
Subject SOUTH Silo additional loads on Wang model

CHECKED
W.O. 806-01
Date 10-31-88
By BH

Load Type: load due to sand on tank wall

$P = h \gamma y z \pi r K_a$

h = depth of node (FT)
γ = density of sand (#/FT³)
y = height of load application (FT)
r = radius (FT)
K_a = lateral soil pressure constant
P = load (#)

Node #	h	γ	y	r	K_a	P (x direction)
412	2.333	114	0.666	40.041	0.5	31832.39
417	2.666	↓	↓	↓	↓	25462.08
422	2.00	↓	↓	40.00	↓	19081.78
427	1.333	↓	↓	↓	↓	12718.01
432	0.666	↓	1.00	↓	↓	9540.89

000068

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD

Subject SOUTH SILO additional loads for Wang model

CHECKED

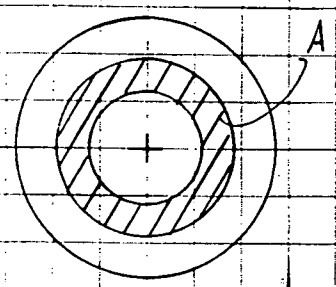
W.O. 806-01

Date 10-31-88

By BH

Load Type: weight of silo non struct. concrete Wang model

Dome Plan



$P = A t w$

A = area of ring (FT^2)
t = thickness of concrete (FT)
w = density of concrete ($\#/FT^3$)
P = load (#)

Node #	A	t	w	P (y direction)
692	0.0873	0.125	150	-1.64
689	0.6981	↓	↓	-13.09
686	1.3963			-26.18
683	2.0944			-39.27
680	2.7925			-52.35
677	3.4907			-65.45
674	4.7615			-89.28
671	6.3268			-118.62
668	7.4176			-139.08
665	8.5085			-159.53
662	9.5993			-179.98
659	10.6901			-200.44
656	11.7810			-220.89
653	12.8718			-241.35
650	see example pg. 46			-256.10

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI
Location FERNALD
Subject South Silo additional loads for Wang model

CHECKED
W.O. 806-01
Date 11-1-88
By BH

Load Type: con't

P = Atw

Node #	A	t	w	P (y direction)
647	see example pg 46	0.0833	160	-235.20
644	" " " 46			-208.07
641	17.2351			-215.44
638	18.3260			-229.07
635	19.4168			-242.71
632	20.5076			-256.34
629	21.5984			-269.98
626	22.6892			-283.62
623	26.2181			-327.73
620	30.1069			-376.34
617	31.6777			-395.97
614	33.2485			-415.61
611	34.8193			-435.24
608	36.3901			-454.87
605	37.9609			-474.51
602	39.5317			-494.15
599	41.1025			-513.78
596	42.6733			-533.42
593	44.2441			-553.05
590	45.8149			-572.69
587	47.3857			-592.32
584	see example pg 48			-592.76

000070

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 11-1-88

Subject SOUTH Silo additional loads for Wang model | By BH

Load Type: con't

P = A t w

Node #	A	t	w	P (y direction)
581	see example pg 48	0.0833	150	- 473.69
578	" " " 48	↓	↓	- 373.07
575	62.9191	0.0417	↓	- 393.56
572	65.0571	↓	↓	- 406.93
569	67.1952	↓	↓	- 420.31
566	69.3333	↓	↓	- 433.68
563	71.4712	↓	↓	- 447.05
560	73.6093	↓	↓	- 460.43
557	81.2396	↓	↓	- 508.15
554	89.3609	↓	↓	- 558.95
551	92.1534	↓	↓	- 576.42
548	94.9459	↓	↓	- 593.87
545	97.7384	↓	↓	- 611.35
542	100.5310	↓	↓	- 628.82
539	103.3235	↓	↓	- 646.29
536	106.1160	↓	↓	- 663.76
533	108.9086	↓	↓	- 681.22
530	see example pg 50	↓	↓	- 654.21
527	" " " 50	↓	↓	- 357.56
524	" " " 50	↓	↓	- 45.81

000071

Form 10-CS

562

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD

Subject SOUTH Silo additional loads for Wang model

CHECKED

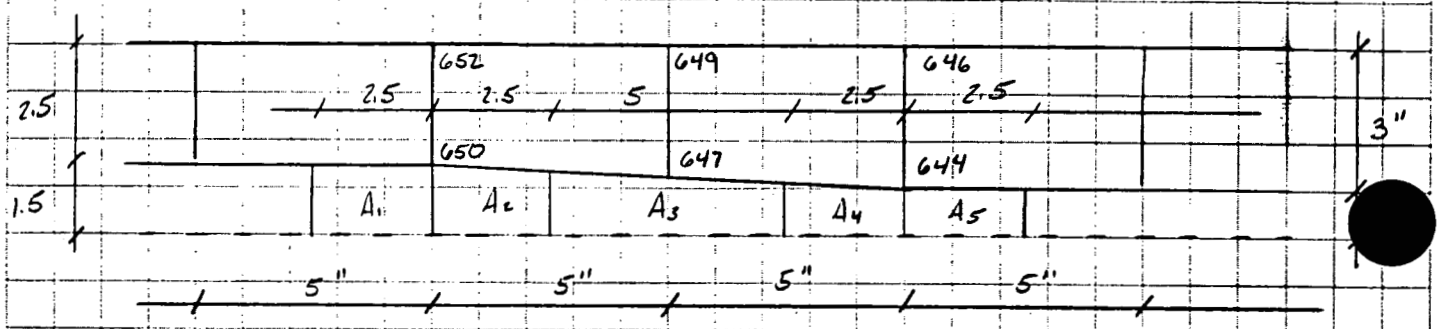
W.O. 806-01

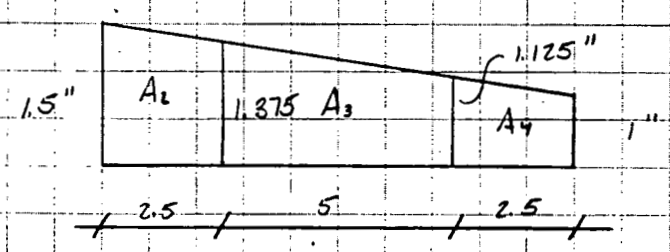
Date 1-11-88

By BH

Load Type: weight of silo - non struct. concrete
Wang model

ex: where actual thickness changes @ nodes 650, 647, 644





$$A_1 = \frac{(2.5)(1.5)}{144} = 0.0260 \text{ FT}^2$$

$$A_2 = \frac{2.5(1.5 + 1.375)}{2(144)} = 0.02495 \text{ FT}^2$$

$$A_3 = \frac{5(1.375 + 1.125)}{2(144)} = 0.0434 \text{ FT}^2$$

000072

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD
Subject SOUTH Silo additional loads for Wang model

CHECKED: W.O. 806-01
Date 1-11-88
By BH

Load Type: con't

$$A_4 = \frac{2.5(1.125+1)}{2(144)} = 0.01844\ FT^2$$

$$A_5 = \frac{2.5(1)}{144} = 0.01736\ FT^2$$

$P = A w\ 2\pi r$

A = tributary node area (FT^2)
r = radius of node (FT)
w = density of concrete (#/FT^3)
P = load (#)

$$P_{@60} = 2(0.0260 + 0.02495)(150)(5.333)\pi$$
$$= 256.10\#$$

$$P_{@64} = 2(0.0434)(150)(5.75)\pi$$
$$= 235.20\#$$

$$P_{@64} = 2(0.01844 + 0.01736)(150)(6.1667)\pi$$
$$= 208.07\#$$

000073

Form 10-CS

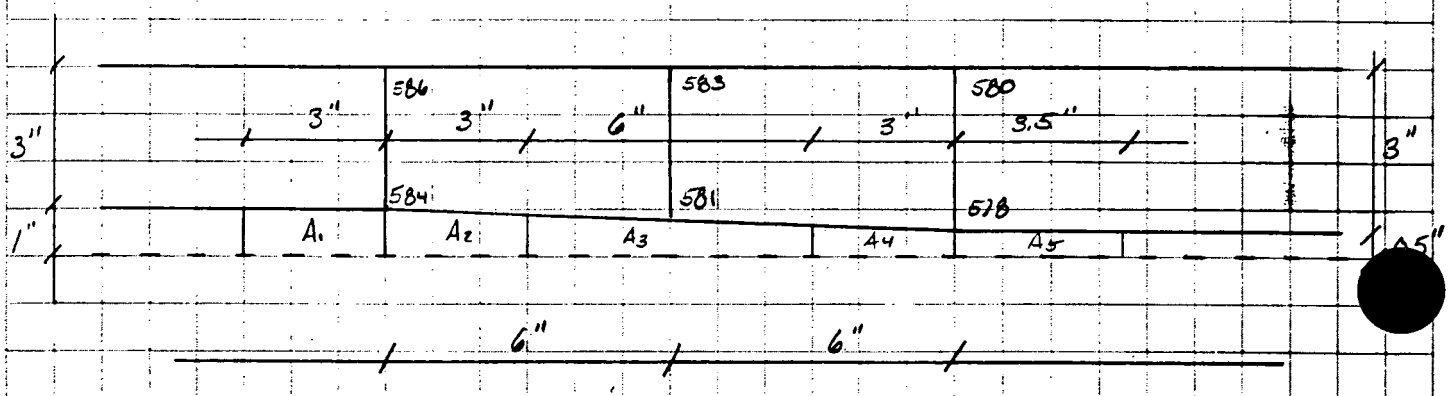
562 0

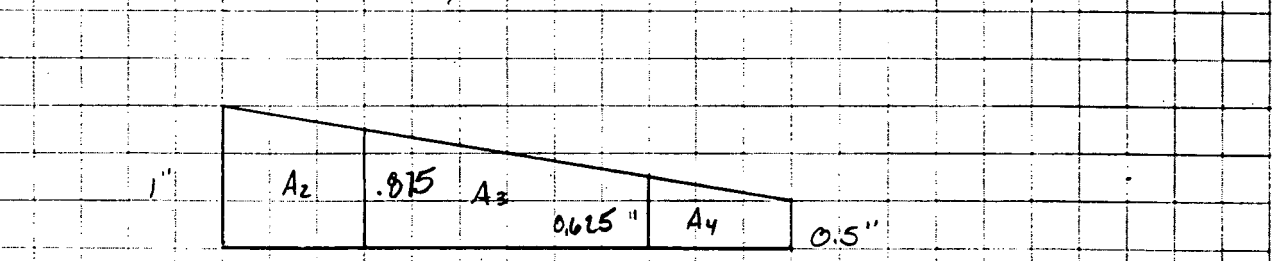
CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

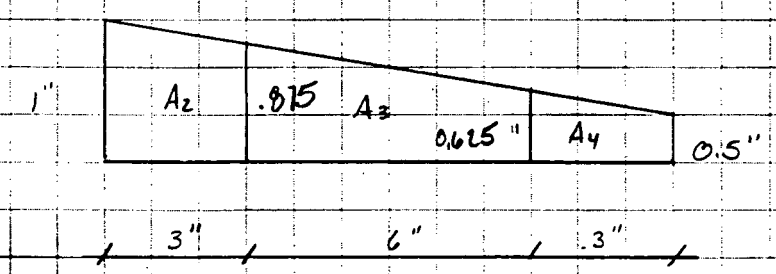
Client ASI | CHECKED | W.O. 806-01
Location FERNALD | Date 11-1-88
Subject South Silo additional loads on Wang model | By BH

Load Type: Weight of silo non-struct. concrete.
Wang model

ex: where actual thickness changes @ nodes 584, 581, 578







$$A_1 = \frac{3(1)}{144} = 0.02083 \text{ FT}^2$$

$$A_2 = \frac{3(1+0.875)}{2(144)} = 0.01953$$

$$A_3 = \frac{6(0.875+0.625)}{2(144)} = 0.03125$$

000074

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD
Subject South Silo additional loads on Wang model

CHECKED
W.O. 806-01
Date 11-1-88
By BH

Load Type: con't

$$A_4 = \frac{3(0.625+0.5)}{2(144)} = 0.01172\ FT^2$$

$$A_5 = \frac{0.5(3.5)}{144} = 0.01215\ FT^2$$

$P = 2A\pi r w$

A = tributary node area (FT^2)
r = radius of node (FT)
w = density of concrete (#/FT^3)
P = load (#)

$$Pe\ 584 = 2(0.02083 + 0.01953)(150)(15.58)\pi$$
$$= 592.76\ \#$$

$$Pe\ 581 = 2(0.03125)(150)(16.083)\pi$$
$$= 473.69\ \#$$

$$Pe\ 578 = 2(0.01172 + 0.01215)(150)(16.5833)\pi$$
$$= 373.07\ \#$$

000075

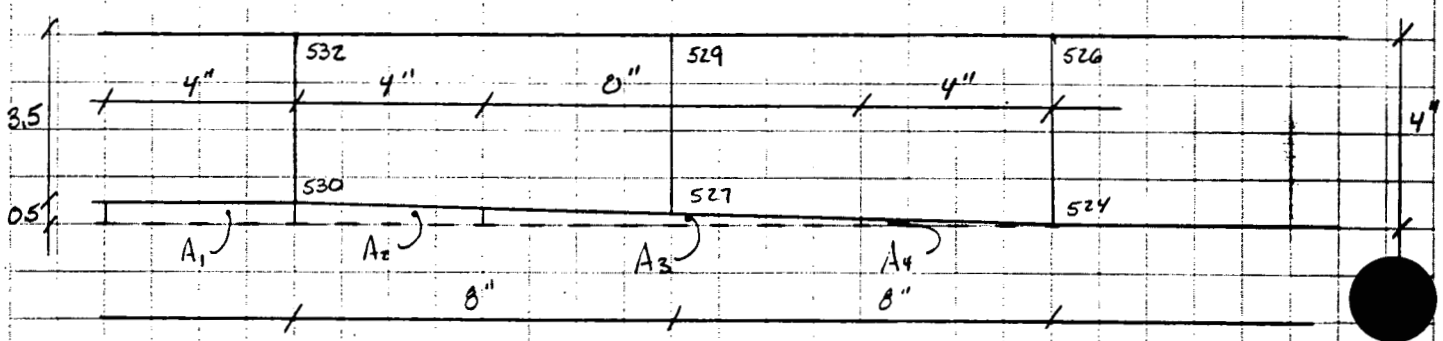
Form 10-CS 5620

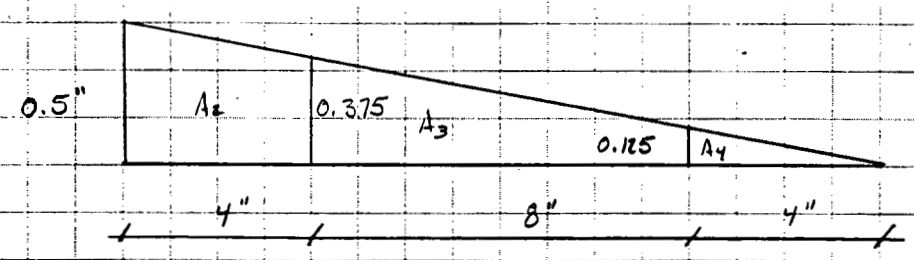
CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01
Location FERNALD | Date 11-1-88
Subject SOUTH SILO additional loads for Wang model | By JH

Load Type: Weight of silo non-struct. concrete

ex: where actual thickness changes @ nodes 530, 527 & 524





$$A_1 = \frac{0.5(4)}{144} = 0.01388 \text{ FT}^2$$

$$A_2 = \frac{4(0.5 + 0.375)}{2(144)} = 0.01215 \text{ FT}^2$$

$$A_3 = \frac{8(0.375 + 0.125)}{2(144)} = 0.01388 \text{ FT}^2$$

$$A_4 = \frac{(0.125)(4)}{2(144)} = 0.001736 \text{ FT}^2$$

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 11-1-88

Subject SOUTH SILO additional loads for Wang model | By BH

Load Type: con't

$P = A 2\pi r w$

A = tributary node area (FT^2)
r = radius of node (FT)
w = density of concrete ($\#/FT^3$)
P = load (#)

$P_{e\ 530} = (0.01388 + 0.01215)\,2(150)(26.667)\,\pi$
$= 654.21\ \#$

$P_{e\ 527} = (0.01388)(2)(150)(27.333)\,\pi$
$= 357.56\ \#$

$P_{e\ 524} = (0.001736)(2)(150)(28)\,\pi$
$= 45.81\ \#$

000077

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
1028	N	396	1	X	-96,106.0000000
1029	N	401	1	X	-86,095.0000000
1030	N	406	1	X	-82,089.0000000
1031	N	411	1	X	-72,081.0000000
1032	N	416	1	X	-64,075.0000000
1033	N	421	1	X	-69,648.0000000
1034	N	426	1	X	-69,648.0000000
1035	N	431	1	X	-69,648.0000000
1036	N	436	1	X	-69,648.0000000
1037	N	441	1	X	-69,648.0000000
1038	N	446	1	X	-69,648.0000000
1039	N	451	1	X	-338,410.0000000
1040	N	456	1	X	-455,380.0000000
1041	N	461	1	X	-303,580.0000000
1042	N	466	1	X	-151,800.0000000
1043	N	219	1	Y	1,456,000.0000000
1044	N	229	1	Y	1,456,000.0000000
1045	N	240	1	Y	1,456,000.0000000
1046	N	463	1	Y	-1,456,000.0000000
[illegible]	N	464	1	Y	-1,456,000.0000000
1048	N	465	1	Y	-1,456,000.0000000
1	N	466	2	Y	-409.0000000
2	N	465	2	Y	-849.0000000
3	N	464	2	Y	-845.0000000
4	N	463	2	Y	-841.0000000
5	N	462	2	Y	-1,676.0000000
6	N	469	2	Y	-2,482.0000000
7	N	472	2	Y	-2,450.0000000
8	N	475	2	Y	-2,419.0000000
9	N	478	2	Y	-2,388.0000000
10	N	481	2	Y	-2,356.0000000
11	N	484	2	Y	-2,325.0000000
12	N	487	2	Y	-2,293.0000000
13	N	490	2	Y	-3,016.0000000
14	N	493	2	Y	-2,960.0000000
15	N	496	2	Y	-2,904.0000000
16	N	499	2	Y	-2,848.0000000
17	N	502	2	Y	-2,793.0000000
18	N	505	2	Y	-2,737.0000000

live load

MICAS REV 3.4 FINITE ELEMENT ANALYSIS 10/17/98 08:29
ANALYSIS NO. 9 AXI-SYMETRIC PAGE

NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
19	N	508	2	Y	-2,681.0000000
20	N	511	2	Y	-2,625.0000000
21	N	514	2	Y	-2,569.0000000
22	N	517	2	Y	-2,513.0000000
23	N	520	2	Y	-2,457.0000000
24	N	523	2	Y	-2,402.0000000
25	N	526	2	Y	-2,346.0000000
26	N	529	2	Y	-2,290.0000000
27	N	532	2	Y	-2,234.0000000
28	N	535	2	Y	-2,178.0000000
29	N	538	2	Y	-2,122.0000000
30	N	541	2	Y	-2,066.0000000
31	N	544	2	Y	-2,011.0000000
32	N	547	2	Y	-1,955.0000000
33	N	550	2	Y	-1,899.0000000
34	N	553	2	Y	-1,843.0000000
35	N	556	2	Y	-1,787.0000000
36	N	559	2	Y	-1,614.0000000
37	N	562	2	Y	-1,464.0000000
38	N	565	2	Y	-1,421.0000000
39	N	568	2	Y	-1,379.0000000
40	N	571	2	Y	-1,336.0000000
41	N	574	2	Y	-1,294.0000000
42	N	577	2	Y	-1,251.0000000
43	N	580	2	Y	-1,058.0000000
44	N	583	2	Y	-1,011.0000000
45	N	586	2	Y	-979.0000000
46	N	589	2	Y	-948.0000000
47	N	592	2	Y	-916.0000000
48	N	595	2	Y	-885.0000000
49	N	598	2	Y	-854.0000000
50	N	601	2	Y	-822.0000000
51	N	604	2	Y	-791.0000000
52	N	607	2	Y	-759.0000000
53	N	610	2	Y	-728.0000000
54	N	613	2	Y	-696.0000000
55	N	616	2	Y	-665.0000000
56	N	619	2	Y	-634.0000000
57	N	622	2	Y	-602.0000000
58	N	625	2	Y	-523.0000000

Live load is zero. all nodes under temporary cover.

000079

MICAS REV 3.4
? 'SIS NO. 9

FINITE ELEMENT ANALYSIS
AXI-SYMETRIC

10/17/88

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
59	N	628	2	Y	-454.0000000
60	N	631	2	Y	-432.0000000
61	N	634	2	Y	-410.0000000
62	N	637	2	Y	-388.0000000
63	N	640	2	Y	-367.0000000
64	N	643	2	Y	-345.0000000
65	N	646	2	Y	-323.0000000
66	N	649	2	Y	-301.0000000
67	N	652	2	Y	-279.0000000
68	N	655	2	Y	-257.0000000
69	N	658	2	Y	-236.0000000
70	N	661	2	Y	-214.0000000
71	N	664	2	Y	-192.0000000
72	N	667	2	Y	-170.0000000
73	N	670	2	Y	-148.0000000
74	N	673	2	Y	-127.0000000
75	N	676	2	Y	-94.0000000
76	N	679	2	Y	-70.0000000
77	N	682	2	Y	-56.0000000
[illegible]	N	685	2	Y	-42.0000000
79	N	688	2	Y	-28.0000000
80	N	691	2	Y	-14.0000000
81	N	694	2	Y	-2.0000000
1	N	3	4	Y	-1,081.0000000
2	N	6	4	Y	-6,953.0000000
3	N	9	4	Y	-12,570.0000000
4	N	12	4	Y	-18,150.0000000
5	N	15	4	Y	-23,740.0000000
6	N	18	4	Y	-29,320.0000000
7	N	21	4	Y	-34,910.0000000
8	N	24	4	Y	-40,490.0000000
9	N	27	4	Y	-46,070.0000000
10	N	30	4	Y	-51,660.0000000
11	N	33	4	Y	-57,240.0000000
12	N	36	4	Y	-62,830.0000000
13	N	39	4	Y	-68,420.0000000
14	N	42	4	Y	-74,000.0000000
15	N	45	4	Y	-79,590.0000000
16	N	48	4	Y	-85,200.0000000

Live load is zero. All nodes are under temporary cover.

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client: ASI | CHECKED | W.O. 806-01

Location: FERNALD | Date: 10-28-88

Subject: SOUTH SILO additional loads on Wang model | By: BH

Load Type: Dead load on dome /psf

$P = Aw$

A: area of ring on dome (FT^2)
w: dead load weight ($\#/FT^2$)
P: load (#)

Node #	A	w	P (y direction)
589	47.39	1	-47.39
586	48.96		-48.96
583	50.53		-50.53
580	56.51		-56.51
577	62.92		-62.92
574	65.06		-65.06
571	67.20		-67.20
568	69.33		-69.33
565	71.47		-71.47
562	73.60		-73.60
559	81.24		-81.24
556	89.36		-89.36
553	92.15		-92.15
550	94.95		-94.95
547	97.74		-97.74
544	100.53		-100.53
541	103.32		-103.32
538	106.12		-106.12

000081

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD

Subject SOUTH Silo additional loads on Wang model

CHECKED

W.O. 806-01

Date 10-28-88

By BH

Load Type cont

P = Aw

Node #	A	w	P (Y direction)
535	108.91	1	- 108.91
532	111.70		- 111.70
529	114.49		- 114.49
526	117.29		- 117.29
523	120.08		- 120.08
520	122.87		- 122.87
517	125.66		- 125.66
514	128.46		- 128.46
511	131.25		- 131.25
508	134.04		- 134.04
505	136.83		- 136.83
502	138.23		- 138.23
499	142.42		- 142.42
496	145.21		- 145.21
493	148.00		- 148.00
490	131.79		- 131.79
487	114.67		- 114.67
484	116.24		- 116.24
481	117.81		- 117.81
478	119.38		- 119.38
475	120.95		- 120.96
472	122.52		- 122.52

000082

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD
Subject South Silo additional loads on Wang model

CHECKED
W.O. 806-01
Date 10-28-88
By BH

Load Type: con't

P = Aw

node #	A	w	P y direction
469	124.09	1	- 124.09
462	63.16		- 63.16
463	42.06		- 42.06
464	42.24		- 42.24
465	42.41		- 42.41
466	42.50		- 42.50

000083

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI
Location FERNALD
Subject SOUTH Silo additional loads on Wang model

CHECKED
W.O. 806-01
Date 10-28-88
By BH

Load Type: Dead load of 150 PLF and live load of 160 pif on dome cover. cover with loads rests on tank dome

Dome cover

diameter = 30'

Live load

$P = \omega D \pi$

D = diameter of dome cover (FT)
ω = live load weight (#/FT)
P = load

$P = (150)(30)\pi$
$= 14137.16$

This load rests 1" to the left of node # 289

Dead load

$P = \omega D \pi$

D = diameter of dome cover (FT)
ω = live load weight (#/FT^2)
P = load (#)

000084

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 10-29-88

Subject South Silo additional loads on Wang Model | By BH

Load Type : con't

$P = (150)(30)\pi$

$= 14137.16$

this load rests 1" to the left of node # 539 in the -y direction.

000085

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI
Location FERNALD OHIO
Subject K-65 RE-ANALYSIS

CHECKED
W.O. 806-01
Date 11-28-88
By BH

TABLE 4.0.1 ALLOWABLE STRESSES

	CONCRETE STRENGTH f'c (PSI)			
	2500	3000	3500	4000
PRICIPLE STRESSES COMPRESSION 0.45 f'c	1125	1350	1575	1800
TENSION 0.03 f'c (plain conc)	75	90	105	120
HOOP STRESS 0.18 f'c	450	540	630	720
SHEAR STRESS $1.64\sqrt{f'c}$	82	90	97	104

ALLOWABLE STEEL STRESS IN REINFORCEMENT = 20,000 psi

000086

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD

Subject ALLOWABLE STRESSES

CHECKED

W.O. 806-01

Date 11-30-88

By BH

COMPRESSIVE STRESS

$F_c = 0.45 f'_c$ REF [ACI 318]

F_c = compressive stress

f'_c = concrete strength

$f'_c = 2500$

$F_c = 0.45 (2500) = 1125$

$f'_c = 3000$

$F_c = 0.45 (3000) = 1350$

$f'_c = 3500$

$F_c = 0.45 (3500) = 1575$

$f'_c = 4000$

$F_c = 0.45 (4000) = 1800$

000087

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01
Location FERNALD | Date 11-29-88
Subject ALLOWABLE STRESSES | By BH

TENSILE STRESS

$F_t = 0.03 f'_c$ REF [9]

F_t = tension stress
f'_c = concrete strength

$f'_c = 2500$
$F_t = 0.03(2500) = 75$

$f'_c = 3000$
$F_t = 0.03(3000) = 90$

$f'_c = 3500$
$F_t = 0.03(3500) = 105$

$f'_c = 4000$
$F_t = 0.03(4000) = 120$

$F_t = 5\phi\sqrt{f'_c}\left(\frac{1}{1.7}\right)$ REF [10]

F_t = tension stress
f'_c = concrete strength
ϕ = strength reduction factor equal to 0.65
1.7 = scaling factor: from ultimate to allowable.

$$F_t = \frac{5(0.65)\sqrt{f'_c}}{1.7}$$
$$= 1.91\sqrt{f'_c}$$

000088

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD

Subject ALLOWABLE STRESSES

CHECKED

W.O. 806-01

Date 11-29-88

By BH

$f'c = 2500$

$F_t = 1.91\sqrt{2500} = 95.5$

$f'c = 3000$

$F_t = 1.91\sqrt{3000} = 105$

$f'c = 3500$

$F_t = 1.91\sqrt{3500} = 113$

$f'c = 4000$

$F_t = 1.91\sqrt{4000} = 121$

Comparing the two values for the allowable tension stress we note that the values obtained from the formula $F_t = 0.03f'c$ REF [9] give a more conservative value, therefore we will use this formula to calculate our allowable tensile stresses.

000089

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI | CHECKED | W.O. 806-01

Location FERNALD | Date 11-30-88

Subject ALLOWABLE STRESSES | By EH

HOOP STRESS

$F_\theta = 0.18 f'_c$ REF [1]

F_θ = hoop stress

f'_c = concrete strength

$f'_c = 2500$

$F_\theta = 0.18 (2500) = 450$

$f'_c = 3000$

$F_\theta = 0.18 (3000) = 540$

$f'_c = 3500$

$F_\theta = 0.18 (3500) = 630$

$f'_c = 4000$

$F_\theta = 0.18 (4000) = 720$

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI | CHECKED | W.O. 806-01
Location FERNALD OHIO | Date 11-29-88
Subject ALLOWABLE STRESSES | By BH

SHEAR STRESS

$$V_c = \left(1 + \frac{2}{\beta_c}\right)\sqrt{f'_c}$$ REF [ACI 318-83]

V_c = shear stress
β_c = ratio of long side to short side of concentrated load or reaction area
f'_c = concrete strength

$$V_c = \left[1 + \frac{2}{\left(\frac{\pi D}{D}\right)}\right]\sqrt{f'_c}$$

$$V_c = 1.64\sqrt{f'_c}$$

$f'_c = 2500$
$V_c = 1.64\sqrt{2500} = 82$

$f'_c = 3000$
$V_c = 1.64\sqrt{3000} = 90$

$f'_c = 3500$
$V_c = 1.64\sqrt{3500} = 97$

$f'_c = 4000$
$V_c = 1.64\sqrt{4000} = 104$

000091

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD

Subject LOCATION FOR STRESS COMPARISON

CHECKED

W.O. 806-01

Date 11-29-88

By BM

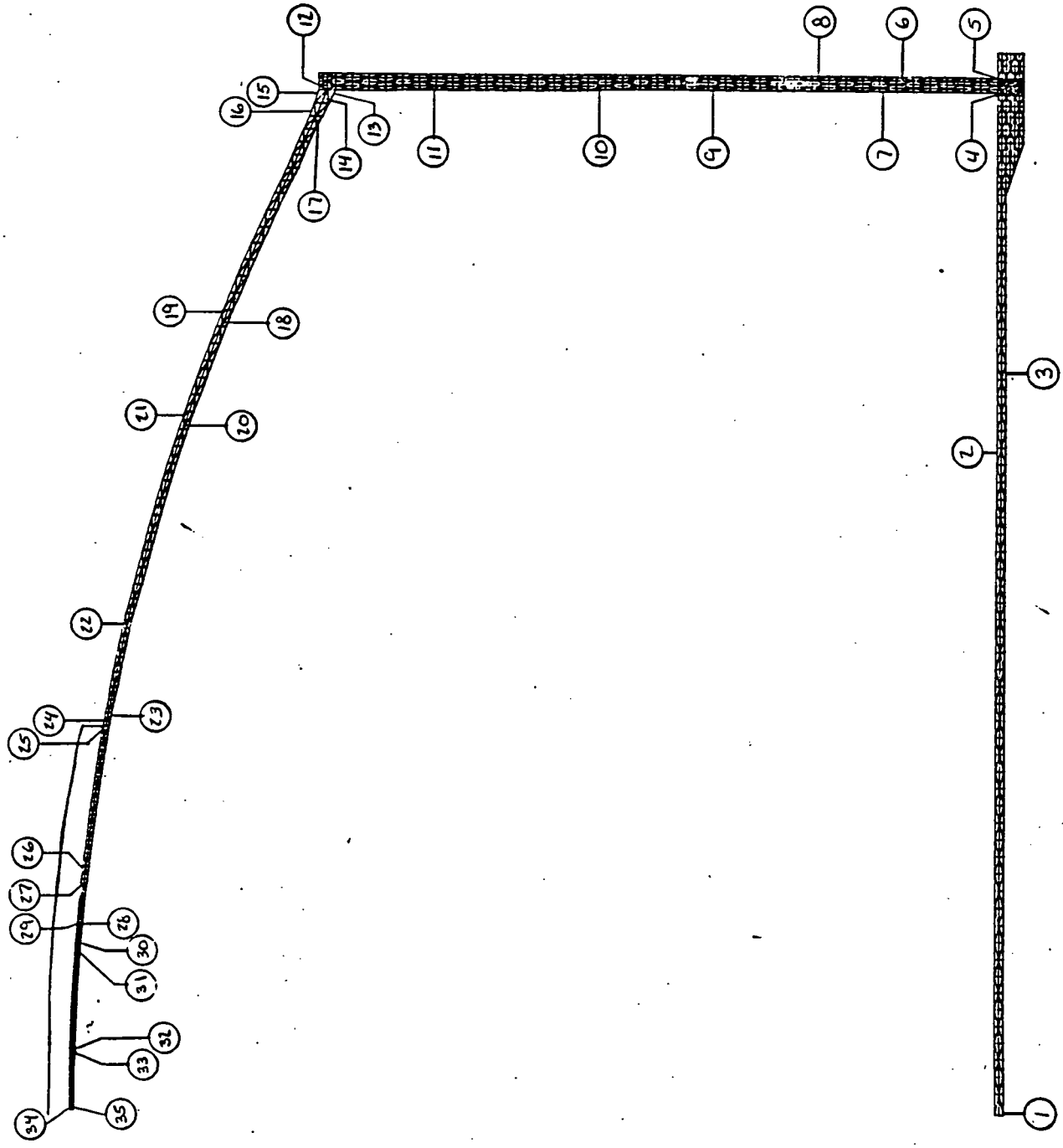


FIG 4.0.1

LOCATIONS FOR STRESS COMPARISON TABLE 4.0.2

000092

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD, OHIO
Subject K65 RE-ANALYSIS

CHECKED
W.O. 806-01
Date 11-21-88
By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
BASE SLAB	1	NORTHK65	1	-29.7	-17.6	-29.0
		SOUTHK65	1	-40.9	-16.3	-40.1
	2	NORTHK65	160	-29.8	-18.5	-29.8
		SOUTH K65	160	-41.2	-17.1	-41.3
	3	NORTHK65	181	-30.8	-16.7	-36.0
		SOUTHK65	181	-41.3	-17.3	-41.3
	4	NORTH K65	319	-49.1*	-7.2	-144.6*
		SOUTHK65	319	-59.9*	-5.9	-155.5*
	5	NORTH K65	344	-14.3	39.9*	-18.5
		SOUTHK65	344	-21.2	50.7*	-19.6

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE
(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APDENDIX A
(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000093

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI
Location FERNALD, OHIO
Subject K65 RE-ANALYSIS

CHECKED
W.O. 806-01
Date 11-21-88
By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
WALL	6	NORTH K65	416	-268.3	-2.0	-383.5
		SOUTH K65	416	-354.2	5.7	-415.6*
	7	NORTH K65	424	-293.0	1.8	-384.5*
		SOUTH K65	424	-390.0	8.2	-412.7
	8	NORTH K65	456	-314.2*	-6.9	-343.2
		SOUTH K65	456	-433.8*	-2.6	-357.7
	9	NORTH K65	497	-249.0	-10.9	-229.5
		SOUTH K65	497	-376.2	-11.0	-193.8
	10	NORTH K65	553	-197.1	-1.9	-264.7
		SOUTH K65	553	-305.7	-3.9	-247.6

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE
(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APDENDIX A
(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000094

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD, OHIO

Subject K65 RE-ANALYSIS

CHECKED

W.O. 806-01

Date 11-21-88

By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
WALL	11	NORTH K65	625	-185.5	-3.6	-229.2
		SOUTH K65	625	-265.0	-6.0	-198.5
	12	NORTH K65	681	-163.1	62.2 *	-89.5
		SOUTH K65	681	-194.6	54.2	-90.8
DOME	13	NORTH K65	697	-181.2	17.0	-75.2
		SOUTH K65	697	-201.8	1.6	-75.4
	14	NORTH K65	698	-170.9	45.3	-60.7
		SOUTH K65	698	-188.2	37.1 *	-59.0
	15	NORTH K65	700	-191.1 *	-37.7	-97.6
		SOUTH K65	700	-202.4 *	-36.4	-86.0

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE

(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APDENDIX A

(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000095

Form 10-CS

5620

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI
Location FERNALD, OHIO
Subject K65 RE-ANALYSIS

CHECKED
W.O. 806-01
Date 11-21-88
By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
DOME	16	NORTH K65	704	-180.6	38.1	-126.1 *
		SOUTH K65	704	-190.0	28.3	-108.4 *
	17	NORTH K65	706	-168.0	47.7 *	-61.3
		SOUTH K65	706	-181.6	34.1	-65.4
	18	NORTH K65	757	-89.8	-8.1	-85.0
		SOUTH K65	757	-87.4	-8.5	-86.4 *
	19	NORTH K65	759	-76.5	27.5	-65.3
		SOUTH K65	759	-73.5	30.9	-64.5
	20	NORTH K65	781	-66.4	-6.8	-92.3
		SOUTH K65	781	-62.4	-8.7	-104.1 *

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE
(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APPENDIX A
(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000096

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD OHIO

Subject K65 RE-ANALYSIS

CHECKED

W.O. 806-01

Date 11-21-88

By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
21	NORTH K65	783	-55.0	29.5	-70.3
	SOUTH K65	783	-49.4	34.9	-79.4
22	NORTH K65	831	-68.9	10.9*	-75.8
	SOUTH K65	831	-71.3	7.3	-77.7
23	NORTH K65	858	-89.5	21.7*	-89.3
	SOUTH K65	858	-87.5	23.2*	-92.5
24	NORTH K65	860	-100.5*	-3.5	-113.2*
	SOUTH K65	860	-99.1*	-3.6	-118.1*
25	NORTH K65	864	-97.7	16.2	-110.8
	SOUTH K65	864	-95.6	17.2	-115.5

DONE

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE

(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APDENDIX A

(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000097

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

Client ASI
Location FERNALD, OHIO
Subject K65 RE-ANALYSIS

CHECKED
W.O. 806-01
Date 11-21-88
By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
DOME	26	NORTH K65	907	-90.1	1.8	-74.0
		SOUTH K65	907	-82.7	0.9	-81.4
	27	NORTH K65	912	-83.9	-2.9	-75.1
		SOUTH K65	912	-80.1	-3.1	-73.7
	28	NORTH K65	925	-88.8	1.9	-104.2*
		SOUTH K65	925	-84.1	1.6	-94.9
	29	NORTH K65	927	-84.7	7.5*	-90.3
		SOUTH K65	927	-80.0	5.0	-81.3
	30	NORTH K65	941	-88.1	1.9	-100.6
		SOUTH K65	941	-87.6	3.1	-117.4

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE
(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APPENDIX A
(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000098

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

Client ASI

Location FERNALD, OHIO

Subject K65 RE-ANALYSIS

CHECKED

W.O. 5620-01

Date 11-21-88

By BH

TABLE 4.0.2 PRINCIPLE STRESS COMPARISON

	POINT SEE FIG 4.0.1	MODEL	ELEMENT No. (2)	HOOP PSI (1)(3)	MAX PRIN PSI (1)(3)	MIN PRIN PSI (1)(3)
DOME	31	NORTH K65	945	-87.2	5.6	-99.1
		SOUTH K65	945	-84.9	9.2	-115.2
	32	NORTH K65	972	-144.8	-2.5	-101.4*
		SOUTH K65	972	-125.5	-1.5	-104.9
	33	NORTH K65	976	-161.1*	7.9*	-92.2
		SOUTH K65	976	-137.5*	3.6	-109.3
	34	NORTH K65	997	-36.5	10.1	-126.9
		SOUTH K65	997	74.0	32.4*	64.9
	35	NORTH K65	1000	-330.2*	40.1*	-318.9*
		SOUTH K65	1000	-315.1*	22.9	-234.0*

NOTES: (1) MINUS SIGN INDICATES STRESS IS COMPRESSIVE

(2) REFERS TO COMPUTER MODEL FINITE ELEMENT NUMBER - SEE MODEL OUTPUT IN APDENDIX A

(3) STRESSES NOTED * ARE MAXIMUMS FOR GIVEN MODEL AND STRESS TYPE

000099

Form 10-CS

CAMARGO ASSOCIATES, INC.

ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI

Location FERNALD OHIO

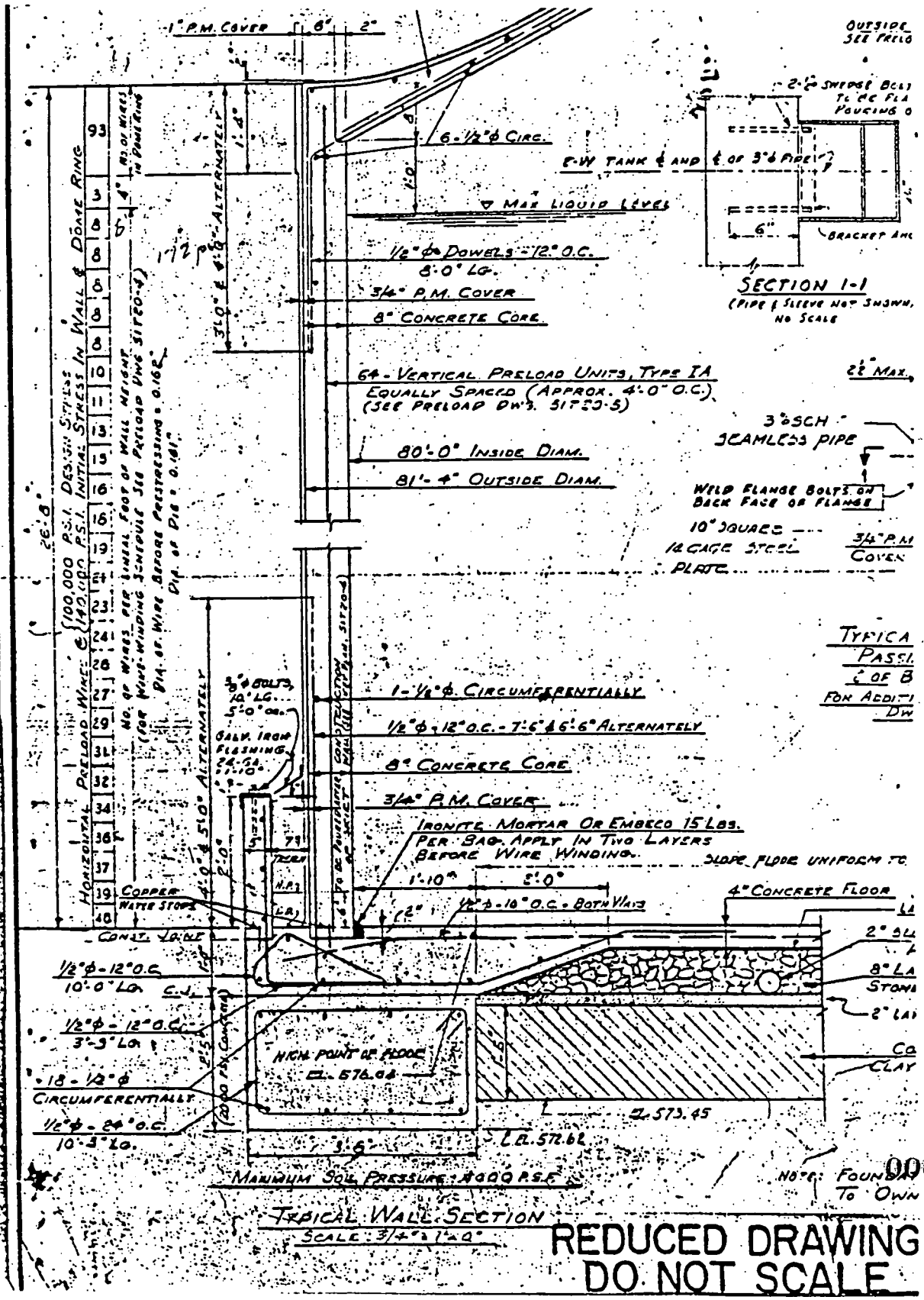
Subject Soil Pressure

CHECKED

W.O. 806-01

Date 11-29-88

By BH



000100

74

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD
Subject Soil Pressure

W.O. 806-01
Date 11-29-88
By BH

NORTH SILO DL NODE	DL LOAD
181	329315.84
188	367393.417
195	367638.58
202	387717.70
209	342475.08
216	213452.41
223	174024.18
230	125741.203
237	212672.07
244	45673.70
251	-63232.76
	2502871.4 #

Numbers taken from support reaction section of computer print out. All loads for soil pressure calculations used these same nodal loads.

$r_1 = 38.1667$ FT $\qquad r_2 = 41.666$ FT

$A_1 = \pi (38.1667)^2 = 4576.34 \text{ FT}^2$ $\qquad A_2 = \pi (41.666)^2 = 5454.15 \text{ FT}^2$

$A_{ring} = 5454.15 - 4576.34 = 877.81 \text{ FT}^2$

Load of block

$P = A t Y$
$= (877.81)(2.4166)(150)$
$P = 318206.12$

000101

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD
Subject Soil Pressure

W.O. 806-01
Date 11-29-88
By BH

P_{TOTAL} = 2502871.4 # + 318206.12
= 2821077.5

NORTH Silo DL

Soil pressure = $\frac{P}{A}$

= $\frac{2821077.5 \#}{877.81}$

= 3213.76 PSF

NORTH Silo DL + LL

LOAD = 2606415.1
CONC. BLOCK = 318206.12

TOTAL LOAD = 2924621.3 #

Soil pressure = $\frac{2924621.3}{877.81}$

= 3331.72 PSF

000102

Form 10-CS

CAMARGO ASSOCIATES, INC.
ARCHITECTS — ENGINEERS — PLANNERS

5620

Client ASI
Location FERNALD OHIO
Subject Soil Pressure

W.O. 806-01
Date 11-29-88
By BH

SOUTH SILO DL

LOAD = 2438928.2
CONC. BLOCK = 318206.12

TOTAL LOAD = 2757134.3#

Soil pressure = $\frac{2757134.3}{877.81}$

= 3140.92 PSF

SOUTH SILO DL + LL

LOAD = 2543557.9
CONC. BLOCK = 318206.12

TOTAL LOAD = 2861764#

Soil pressure = $\frac{2861764}{877.81}$

= 3260.12 PSF

ALLOWABLE SOIL PRESSURE IS 4000 PSF SEE SHEET 74.

000103

* UNITS DEFINITION *

UNIT GROUP	UNIT
LENGTHS	FEET
ELEMENT PROPERTIES	INCHES
FORCES	LBS
ANGLES	DEGREES
DISPLACEMENTS	INCHES
DYNAMIC PROPERTIES	FORCE

* LOAD COMBINATION INFORMATION *

COMB	A	B	C	D	E	F
1	1.000	0.000	1.000	1.000	1.000	1.000
2	1.000	1.000	1.000	1.000	1.000	1.000

NUMBER OF LOAD CASES = 6

* MATERIAL SPECIFICATIONS *

MAT'L NBR	YOUNG'S MODULUS (LONG)	POISSON'S RATIO (LONG)	SHEAR MODULUS (LONG)	YOUNGS MODULUS (TRANS)	POISSON'S RATIO (TRANS)	SHEAR MODULUS (TRANS)	THERMAL COEFFICIENT
1	2.85E+06	2.00E-01	1.18E+06	2.85E+06	2.00E-01	1.18E+06	0.00E+00
2	3.12E+06	2.00E-01	1.30E+06	3.12E+06	2.00E-01	1.30E+06	0.00E+00
3	3.37E+06	2.00E-01	1.40E+06	3.37E+06	2.00E-01	1.40E+06	0.00E+00
4	3.60E+06	2.00E-01	1.50E+06	3.60E+06	2.00E-01	1.50E+06	0.00E+00
5	3.82E+06	2.00E-01	1.59E+06	3.82E+06	2.00E-01	1.59E+06	0.00E+00

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
1	0.0000	0.6667	S/X
2	0.0000	0.8333	
3	0.0000	1.0000	
4	0.8333	0.6667	S/X
5	0.8333	0.8333	
6	0.8333	1.0000	
7	1.5000	0.6667	S/X
8	1.5000	0.8333	
9	1.5000	1.0000	
10	2.1667	0.6667	S/X
11	2.1667	0.8333	
12	2.1667	1.0000	
13	2.8334	0.6667	S/X
14	2.8334	0.8333	
15	2.8334	1.0000	
16	3.5001	0.6667	S/X
17	3.5001	0.8333	
18	3.5001	1.0000	
19	4.1668	0.6667	S/X
20	4.1668	0.8333	
21	4.1668	1.0000	
22	4.8335	0.6667	S/X
23	4.8335	0.8333	
24	4.8335	1.0000	
25	5.5002	0.6667	S/X

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
26	5.5002	0.8333	
27	5.5002	1.0000	
28	6.1669	0.6667	S/X
29	6.1669	0.8333	
30	6.1669	1.0000	
31	6.8336	0.6667	S/X
32	6.8336	0.8333	
33	6.8336	1.0000	
34	7.5003	0.6667	S/X
35	7.5003	0.8333	
36	7.5003	1.0000	
37	8.1670	0.6667	S/X
38	8.1670	0.8333	
39	8.1670	1.0000	
40	8.8337	0.6667	S/X
41	8.8337	0.8333	
42	8.8337	1.0000	
43	9.5004	0.6667	S/X
44	9.5004	0.8333	
45	9.5004	1.0000	
46	10.1670	0.6667	S/X
47	10.1670	0.8333	
48	10.1670	1.0000	
49	10.8330	0.6667	S/X
50	10.8330	0.8333	
51	10.8330	1.0000	
52	11.5000	0.6667	S/X
53	11.5000	0.8333	
54	11.5000	1.0000	
55	12.1670	0.6667	S/X
56	12.1670	0.8333	
57	12.1670	1.0000	
58	12.8330	0.6667	S/X
59	12.8330	0.8333	
60	12.8330	1.0000	
61	13.5000	0.6667	S/X
62	13.5000	0.8333	
63	13.5000	1.0000	
64	14.1670	0.6667	S/X
65	14.1670	0.8333	
66	14.1670	1.0000	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
67	14.8330	0.6667	S/X
68	14.8330	0.8333	
69	14.8330	1.0000	
70	15.5000	0.6667	S/X
71	15.5000	0.8333	
72	15.5000	1.0000	
73	16.1670	0.6667	S/X
74	16.1670	0.8333	
75	16.1670	1.0000	
76	16.8330	0.6667	S/X
77	16.8330	0.8333	
78	16.8330	1.0000	
79	17.5000	0.6667	S/X
80	17.5000	0.8333	
81	17.5000	1.0000	
82	18.1670	0.6667	S/X
83	18.1670	0.8333	
84	18.1670	1.0000	
85	18.8330	0.6667	S/X
86	18.8330	0.8333	
87	18.8330	1.0000	
88	19.5000	0.6667	S/X
89	19.5000	0.8333	
90	19.5000	1.0000	
91	20.1670	0.6667	S/X
92	20.1670	0.8333	
93	20.1670	1.0000	
94	20.8330	0.6667	S/X
95	20.8330	0.8333	
96	20.8330	1.0000	
97	21.5000	0.6667	S/X
98	21.5000	0.8333	
99	21.5000	1.0000	
100	22.1670	0.6667	S/X
101	22.1670	0.8333	
102	22.1670	1.0000	
103	22.8330	0.6667	S/X
104	22.8330	0.8333	
105	22.8330	1.0000	
106	23.5000	0.6667	S/X
107	23.5000	0.8333	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
108	23.5000	1.0000	
109	24.1670	0.6667	S/X
110	24.1670	0.8333	
111	24.1670	1.0000	
112	24.8330	0.6667	S/X
113	24.8330	0.8333	
114	24.8330	1.0000	
115	25.5000	0.6667	S/X
116	25.5000	0.8333	
117	25.5000	1.0000	
118	26.1670	0.6667	S/X
119	26.1670	0.8333	
120	26.1670	1.0000	
121	26.8330	0.6667	S/X
122	26.8330	0.8333	
123	26.8330	1.0000	
124	27.5000	0.6667	S/X
125	27.5000	0.8333	
126	27.5000	1.0000	
127	28.1670	0.6667	S/X
128	28.1670	0.8333	
129	28.1670	1.0000	
130	28.8330	0.6667	S/X
131	28.8330	0.8333	
132	28.8330	1.0000	
133	29.5000	0.6667	S/X
134	29.5000	0.8333	
135	29.5000	1.0000	
136	30.1670	0.6667	S/X
137	30.1670	0.8333	
138	30.1670	1.0000	
139	30.8330	0.6667	S/X
140	30.8330	0.8333	S/X
141	30.8330	1.0000	
142	31.5000	0.6667	
143	31.5000	0.8333	
144	31.5000	1.0000	
145	32.1670	0.6667	S/X
146	32.1670	0.8333	
147	32.1670	1.0000	
148	32.8330	0.6667	S/X

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
149	32.8330	0.8333	
150	32.8330	1.0000	
151	33.5000	0.6667	S/X
152	33.5000	0.8333	
153	33.5000	1.0000	
154	34.1670	0.6667	S/X
155	34.1670	0.8333	
156	34.1670	1.0000	
157	34.8330	0.6667	S/X
158	34.8330	0.8333	
159	34.8330	1.0000	
160	35.5000	0.6667	S/X
161	35.5000	0.8333	
162	35.5000	1.0000	
163	36.1670	0.6667	S/X
164	36.1670	0.8333	
165	36.1670	1.0000	
166	36.6660	0.5000	S/X
167	36.6660	0.6667	
168	36.6660	0.8333	
169	36.6660	1.0000	
170	37.1660	0.3333	S/X
171	37.1660	0.5000	
172	37.1660	0.6667	
173	37.1660	0.8333	
174	37.1660	1.0000	
175	37.6660	0.1667	S/X
176	37.6660	0.3333	
177	37.6660	0.5000	
178	37.6660	0.6667	
179	37.6660	0.8333	
180	37.6660	1.0000	
181	38.1660	0.0000	S/X
182	38.1660	0.1667	
183	38.1660	0.3333	
184	38.1660	0.5000	
185	38.1660	0.6667	
186	38.1660	0.8333	
187	38.1660	1.0000	
188	38.6660	0.0000	S/X
189	38.6660	0.1667	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
190	38.6660	0.3333	
191	38.6660	0.5000	
192	38.6660	0.6667	
193	38.6660	0.8333	
194	38.6660	1.0000	
195	39.1660	0.0000	S/X
196	39.1660	0.1667	
197	39.1660	0.3333	
198	39.1660	0.5000	
199	39.1660	0.6667	
200	39.1660	0.8333	
201	39.1660	1.0000	
202	39.5820	0.0000	S/X
203	39.5820	0.1667	
204	39.5820	0.3333	
205	39.5820	0.5000	
206	39.5820	0.6667	
207	39.5820	0.8333	
208	39.5820	1.0000	
209	40.0000	0.0000	S/X
210	40.0000	0.1667	
211	40.0000	0.3333	
212	40.0000	0.5000	
213	40.0000	0.6667	
214	40.0000	0.8333	
215	40.0000	1.0000	
216	40.1870	0.0000	S/X
217	40.1870	0.1667	
218	40.1870	0.3333	
219	40.1870	0.5000	
220	40.1870	0.6667	
221	40.1870	0.8333	
222	40.1870	1.0000	
223	40.3750	0.0000	S/X
224	40.3750	0.1667	
225	40.3750	0.3333	
226	40.3750	0.5000	
227	40.3750	0.6667	
228	40.3750	0.8333	
229	40.3750	1.0000	
230	40.5200	0.0000	S/X

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
231	40.5200	0.1667	
232	40.5200	0.3333	
233	40.5200	0.5000	
234	40.5200	0.6667	
235	40.5200	0.8333	
236	40.5200	1.0000	
237	40.6660	0.0000	S/X
238	40.6660	0.1667	
239	40.6660	0.3333	
240	40.6660	0.5000	
241	40.6660	0.6667	
242	40.6660	0.8333	
243	40.6660	1.0000	
244	41.1660	0.0000	S/X
245	41.1660	0.1667	
246	41.1660	0.3333	
247	41.1660	0.5000	
248	41.1660	0.6667	
249	41.1660	0.8333	
250	41.1660	1.0000	
251	41.6660	0.0000	S/X
252	41.6660	0.1667	
253	41.6660	0.3333	
254	41.6660	0.5000	
255	41.6660	0.6667	
256	41.6660	0.8333	
257	41.6660	1.0000	
258	40.0830	1.0001	
259	40.2290	1.0001	
260	40.5200	1.0001	
261	40.6660	1.0001	
262	40.0830	1.6667	
263	40.2290	1.6667	
264	40.3750	1.6667	
265	40.5200	1.6667	
266	40.6660	1.6667	
267	40.0830	2.3334	
268	40.2290	2.3334	
269	40.3750	2.3334	
270	40.5200	2.3334	
271	40.6660	2.3334	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
272	40.0830	3.0001	
273	40.2290	3.0001	
274	40.3750	3.0001	
275	40.5200	3.0001	
276	40.6660	3.0001	
277	40.0830	3.6668	
278	40.2290	3.6668	
279	40.3750	3.6668	
280	40.5200	3.6668	
281	40.6660	3.6668	
282	40.0830	4.3335	
283	40.2290	4.3335	
284	40.3750	4.3335	
285	40.5200	4.3335	
286	40.6660	4.3335	
287	40.0830	5.0002	
288	40.2290	5.0002	
289	40.3750	5.0002	
290	40.5200	5.0002	
291	40.6660	5.0002	
292	40.0830	5.6669	
293	40.2290	5.6669	
294	40.3750	5.6669	
295	40.5200	5.6669	
296	40.6660	5.6669	
297	40.0830	6.3336	
298	40.2290	6.3336	
299	40.3750	6.3336	
300	40.5200	6.3336	
301	40.6660	6.3336	
302	40.0830	7.0003	
303	40.2290	7.0003	
304	40.3750	7.0003	
305	40.5200	7.0003	
306	40.6660	7.0003	
307	40.0830	7.6670	
308	40.2290	7.6670	
309	40.3750	7.6670	
310	40.5200	7.6670	
311	40.6660	7.6670	
312	40.0830	8.3337	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
313	40.2290	8.3337	
314	40.3750	8.3337	
315	40.5200	8.3337	
316	40.6660	8.3337	
317	40.0830	9.0004	
318	40.2290	9.0004	
319	40.3750	9.0004	
320	40.5200	9.0004	
321	40.6660	9.0004	
322	40.0830	9.6671	
323	40.2290	9.6671	
324	40.3750	9.6671	
325	40.5200	9.6671	
326	40.6660	9.6671	
327	40.0830	10.3330	
328	40.2290	10.3330	
329	40.3750	10.3330	
330	40.5200	10.3330	
331	40.6660	10.3330	
332	40.0830	11.0000	
333	40.2290	11.0000	
334	40.3750	11.0000	
335	40.5200	11.0000	
336	40.6660	11.0000	
337	40.0830	11.6670	
338	40.2290	11.6670	
339	40.3750	11.6670	
340	40.5200	11.6670	
341	40.6660	11.6670	
342	40.0830	12.3330	
343	40.2290	12.3330	
344	40.3750	12.3330	
345	40.5200	12.3330	
346	40.6660	12.3330	
347	40.0830	13.0000	
348	40.2290	13.0000	
349	40.3750	13.0000	
350	40.5200	13.0000	
351	40.6660	13.0000	
352	40.0830	13.6670	
353	40.2290	13.6670	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
354	40.3750	13.6670	
355	40.5200	13.6670	
356	40.6660	13.6670	
357	40.0830	14.3340	
358	40.2290	14.3340	
359	40.3750	14.3340	
360	40.5200	14.3340	
361	40.6660	14.3340	
362	40.0830	15.0000	
363	40.2290	15.0000	
364	40.3750	15.0000	
365	40.5200	15.0000	
366	40.6660	15.0000	
367	40.0830	15.6670	
368	40.2290	15.6670	
369	40.3750	15.6670	
370	40.5200	15.6670	
371	40.6660	15.6670	
372	40.0830	16.3340	
373	40.2290	16.3340	
374	40.3750	16.3340	
375	40.5200	16.3340	
376	40.6660	16.3340	
377	40.0410	17.0000	
378	40.1970	17.0000	
379	40.3530	17.0000	
380	40.5100	17.0000	
381	40.6660	17.0000	
382	40.0410	17.6670	
383	40.1970	17.6670	
384	40.3530	17.6670	
385	40.5100	17.6670	
386	40.6660	17.6670	
387	40.0410	18.3340	
388	40.1970	18.3340	
389	40.3530	18.3340	
390	40.5100	18.3340	
391	40.6660	18.3340	
392	40.0410	19.0000	
393	40.1970	19.0000	
394	40.3530	19.0000	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
395	40.5100	19.0000	
396	40.6660	19.0000	
397	40.0410	19.6670	
398	40.1970	19.6670	
399	40.3530	19.6670	
400	40.5100	19.6670	
401	40.6660	19.6670	
402	40.0410	20.3340	
403	40.1970	20.3340	
404	40.3530	20.3340	
405	40.5100	20.3340	
406	40.6660	20.3340	
407	40.0410	21.0000	
408	40.1970	21.0000	
409	40.3530	21.0000	
410	40.5100	21.0000	
411	40.6660	21.0000	
412	40.0410	21.6670	
413	40.1970	21.6670	
414	40.3530	21.6670	
415	40.5100	21.6670	
416	40.6660	21.6670	
417	40.0410	22.3340	
418	40.1970	22.3340	
419	40.3530	22.3340	
420	40.5100	22.3340	
421	40.6660	22.3340	
422	40.0410	23.0000	
423	40.1970	23.0000	
424	40.3530	23.0000	
425	40.5100	23.0000	
426	40.6660	23.0000	
427	40.0410	23.6670	
428	40.1970	23.6670	
429	40.3530	23.6670	
430	40.5100	23.6670	
431	40.6660	23.6670	
432	40.0410	24.3340	
433	40.1970	24.3340	
434	40.3530	24.3340	
435	40.5100	24.3340	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
436	40.6660	24.3340	
437	40.0000	25.0000	
438	40.1660	25.0000	
439	40.3330	25.0000	
440	40.5000	25.0000	
441	40.6660	25.0000	
442	40.0000	25.6660	
443	40.1660	25.6660	
444	40.3330	25.6660	
445	40.5000	25.6660	
446	40.6660	25.6660	
447	40.0000	26.3320	
448	40.1660	26.3320	
449	40.3330	26.3320	
450	40.5000	26.3320	
451	40.6660	26.3320	
452	40.0000	27.0000	
453	40.1660	27.0000	
454	40.3330	27.0000	
455	40.5000	27.0000	
456	40.6660	27.0000	
457	40.0000	27.3330	
458	40.1660	27.3330	
459	40.3330	27.3330	
460	40.5000	27.3330	
461	40.6660	27.3330	
462	40.0000	27.6660	
463	40.1660	27.6660	
464	40.3330	27.6660	
465	40.5000	27.6660	
466	40.6660	27.6660	
467	39.5000	27.2640	
468	39.5000	27.5550	
469	39.5000	27.8470	
470	39.0000	27.5240	
471	39.0000	27.7740	
472	39.0000	28.0240	
473	38.5000	27.7800	
474	38.5000	28.0090	
475	38.5000	28.2380	
476	38.0000	28.0310	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
477	38.0000	28.2390	
478	38.0000	28.4480	
479	37.5000	28.2380	
480	37.5000	28.4460	
481	37.5000	28.6550	
482	37.0000	28.4400	
483	37.0000	28.6480	
484	37.0000	28.8570	
485	36.5000	28.6800	
486	36.5000	28.8880	
487	36.5000	29.0970	
488	36.0000	28.9160	
489	36.0000	29.1240	
490	36.0000	29.3330	
491	35.3330	29.2240	
492	35.3330	29.4320	
493	35.3330	29.6410	
494	34.6660	29.5250	
495	34.6660	29.7330	
496	34.6660	29.9420	
497	34.0000	29.8190	
498	34.0000	30.0270	
499	34.0000	30.2360	
500	33.3330	30.1070	
501	33.3330	30.3150	
502	33.3330	30.5240	
503	32.6660	30.3880	
504	32.6660	30.5960	
505	32.6660	30.8050	
506	32.0000	30.6620	
507	32.0000	30.8700	
508	32.0000	31.0790	
509	31.3330	30.9720	
510	31.3330	31.1590	
511	31.3330	31.3470	
512	30.6660	31.2330	
513	30.6660	31.4200	
514	30.6660	31.6080	
515	30.0000	31.4870	
516	30.0000	31.6740	
517	30.0000	31.8620	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
518	29.3330	31.7360	
519	29.3330	31.9230	
520	29.3330	32.1110	
521	28.6660	31.9780	
522	28.6660	32.1650	
523	28.6660	32.3530	
524	28.0000	32.2130	
525	28.0000	32.4000	
526	28.0000	32.5880	
527	27.3330	32.4840	
528	27.3330	32.6510	
529	27.3330	32.8180	
530	26.6660	32.7070	
531	26.6660	32.8740	
532	26.6660	33.0410	
533	26.0000	32.9240	
534	26.0000	33.0910	
535	26.0000	33.2580	
536	25.3330	33.1360	
537	25.3330	33.3030	
538	25.3330	33.4700	
539	24.6660	33.3410	
540	24.6660	33.5080	
541	24.6660	33.6750	
542	24.0000	33.5400	
543	24.0000	33.7070	
544	24.0000	33.8740	
545	23.3330	33.7330	
546	23.3330	33.9000	
547	23.3330	34.0670	
548	22.6660	33.9210	
549	22.6660	34.0880	
550	22.6660	34.2550	
551	22.0000	34.1020	
552	22.0000	34.2690	
553	22.0000	34.4360	
554	21.3330	34.2780	
555	21.3330	34.4450	
556	21.3330	34.6120	
557	20.6660	34.4480	
558	20.6660	34.6150	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
559	20.6660	34.7820	
560	20.0840	34.6340	
561	20.0840	34.7800	
562	20.0840	34.9260	
563	19.5000	34.8000	
564	19.5000	34.9540	
565	19.5000	35.1000	
566	18.9170	34.9430	
567	18.9170	35.0890	
568	18.9170	35.2340	
569	18.3340	35.0730	
570	18.3340	35.2180	
571	18.3340	35.3640	
572	17.7500	35.1980	
573	17.7500	35.3440	
574	17.7500	35.4900	
575	17.1670	35.3200	
576	17.1670	35.4650	
577	17.1670	35.6110	
578	16.5840	35.4370	
579	16.5840	35.5830	
580	16.5840	35.7280	
581	16.0840	35.5470	
582	16.0840	35.6720	
583	16.0840	35.7970	
584	15.5840	35.6650	
585	15.5840	35.7900	
586	15.5840	35.9150	
587	15.0840	35.7560	
588	15.0840	35.8810	
589	15.0840	36.0060	
590	14.5840	35.8440	
591	14.5840	35.9690	
592	14.5840	36.0940	
593	14.0840	35.9290	
594	14.0840	36.0540	
595	14.0840	36.1790	
596	13.5840	36.0110	
597	13.5840	36.1360	
598	13.5840	36.2610	
599	13.0840	36.0890	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
600	13.0840	36.2140	
601	13.0840	36.3390	
602	12.5840	36.1650	
603	12.5840	36.2900	
604	12.5840	36.4150	
605	12.0840	36.2370	
606	12.0840	36.3630	
607	12.0840	36.4870	
608	11.5840	36.3070	
609	11.5840	36.4320	
610	11.5840	36.5570	
611	11.0840	36.3740	
612	11.0840	36.4990	
613	11.0840	36.6240	
614	10.5840	36.4370	
615	10.5840	36.5620	
616	10.5840	36.6780	
617	10.0840	36.4980	
618	10.0840	36.6230	
619	10.0840	36.7480	
620	9.5840	36.5550	
621	9.5840	36.6800	
622	9.5840	36.8050	
623	9.0840	36.6100	
624	9.0840	36.7350	
625	9.0840	36.8600	
626	8.6670	36.6820	
627	8.6670	36.7860	
628	8.6670	36.8900	
629	8.2510	36.7360	
630	8.2510	36.8400	
631	8.2510	36.9440	
632	7.8340	36.7750	
633	7.8340	36.8790	
634	7.8340	36.9830	
635	7.4170	36.8120	
636	7.4170	36.9160	
637	7.4170	37.0200	
638	7.0000	36.8470	
639	7.0000	36.9510	
640	7.0000	37.0550	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
641	6.5840	36.8790	
642	6.5840	36.9830	
643	6.5840	37.0870	
644	6.1670	36.9030	
645	6.1670	37.0070	
646	6.1670	37.1110	
647	5.7510	36.9390	
648	5.7510	37.0430	
649	5.7510	37.1470	
650	5.3340	36.9650	
651	5.3340	37.0690	
652	5.3340	37.1730	
653	4.9170	36.9900	
654	4.9170	37.0940	
655	4.9170	37.1980	
656	4.5000	37.0120	
657	4.5000	37.1160	
658	4.5000	37.2200	
659	4.0840	37.0330	
660	4.0840	37.1370	
661	4.0840	37.2410	
662	3.6670	37.0510	
663	3.6670	37.1550	
664	3.6670	37.2590	
665	3.2510	37.0670	
666	3.2510	37.1710	
667	3.2510	37.2750	
668	2.8340	37.0820	
669	2.8340	37.1860	
670	2.8340	37.2900	
671	2.4170	37.0940	
672	2.4170	37.1980	
673	2.4170	37.3020	
674	2.0000	37.1040	
675	2.0000	37.2080	
676	2.0000	37.3120	
677	1.6670	37.1500	
678	1.6670	37.2330	
679	1.6670	37.3170	
680	1.3330	37.1560	
681	1.3330	37.2390	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
682	1.3330	37.3220	
683	1.0000	37.1610	
684	1.0000	37.2450	
685	1.0000	37.3280	
686	0.6670	37.1640	
687	0.6670	37.2480	
688	0.6670	37.3310	
689	0.3330	37.1660	
690	0.3330	37.2490	
691	0.3330	37.3330	
692	0.0000	37.1660	
693	0.0000	37.2490	
694	0.0000	37.3330	

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
1	1/ 4/ 5	2	0.069413	0.000
2	1/ 5/ 2	2	0.069413	0.000
3	2/ 5/ 3	2	0.069455	0.000
4	3/ 5/ 6	2	0.069455	0.000
5	4/ 7/ 5	2	0.055536	0.000
6	7/ 8/ 5	2	0.055536	0.000
7	5/ 8/ 9	2	0.055569	0.000
8	5/ 9/ 6	2	0.055569	0.000
9	7/ 10/ 11	2	0.055536	0.000
10	7/ 11/ 8	2	0.055536	0.000
11	8/ 11/ 9	2	0.055569	0.000
12	9/ 11/ 12	2	0.055569	0.000
13	10/ 13/ 11	2	0.055536	0.000
14	13/ 14/ 11	2	0.055536	0.000
15	11/ 14/ 15	2	0.055569	0.000
16	11/ 15/ 12	2	0.055569	0.000
17	13/ 16/ 17	2	0.055536	0.000
18	13/ 17/ 14	2	0.055536	0.000
19	14/ 17/ 15	2	0.055569	0.000
20	15/ 17/ 18	2	0.055569	0.000
21	16/ 19/ 17	2	0.055536	0.000
22	19/ 20/ 17	2	0.055536	0.000
23	17/ 20/ 21	2	0.055569	0.000
24	17/ 21/ 18	2	0.055569	0.000
25	19/ 22/ 23	2	0.055536	0.000
26	19/ 23/ 20	2	0.055536	0.000
27	20/ 23/ 21	2	0.055569	0.000
28	21/ 23/ 24	2	0.055569	0.000
29	22/ 25/ 23	2	0.055536	0.000
30	25/ 26/ 23	2	0.055536	0.000
31	23/ 26/ 27	2	0.055569	0.000
32	23/ 27/ 24	2	0.055569	0.000
33	25/ 28/ 29	2	0.055536	0.000
34	25/ 29/ 26	2	0.055536	0.000
35	26/ 29/ 27	2	0.055569	0.000
36	27/ 29/ 30	2	0.055569	0.000
37	28/ 31/ 29	2	0.055536	0.000
38	31/ 32/ 29	2	0.055536	0.000
39	29/ 32/ 33	2	0.055569	0.000
40	29/ 33/ 30	2	0.055569	0.000
41	31/ 34/ 35	2	0.055536	0.000

MICAS REV 3.4 FINITE ELEMENT ANALYSIS 11/14/88 08:41:0
ANALYSIS NO. 13 AXI-SYMETRIC PAGE 2

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
42	31/ 35/ 32	2	0.055536	0.000
43	32/ 35/ 33	2	0.055569	0.000
44	33/ 35/ 36	2	0.055569	0.000
45	34/ 37/ 35	2	0.055536	0.000
46	37/ 38/ 35	2	0.055536	0.000
47	35/ 38/ 39	2	0.055569	0.000
48	35/ 39/ 36	2	0.055569	0.000
49	37/ 40/ 41	2	0.055536	0.000
50	37/ 41/ 38	2	0.055536	0.000
51	38/ 41/ 39	2	0.055569	0.000
52	39/ 41/ 42	2	0.055569	0.000
53	40/ 43/ 41	2	0.055536	0.000
54	43/ 44/ 41	2	0.055536	0.000
55	41/ 44/ 45	2	0.055569	0.000
56	41/ 45/ 42	2	0.055569	0.000
57	43/ 46/ 47	2	0.055527	0.000
58	43/ 47/ 44	2	0.055527	0.000
59	44/ 47/ 45	2	0.055561	0.000
60	45/ 47/ 48	2	0.055561	0.000
61	46/ 49/ 47	2	0.055477	0.000
62	49/ 50/ 47	2	0.055477	0.000
63	47/ 50/ 51	2	0.055511	0.000
64	47/ 51/ 48	2	0.055511	0.000
65	49/ 52/ 53	2	0.055561	0.000
66	49/ 53/ 50	2	0.055561	0.000
67	50/ 53/ 51	2	0.055594	0.000
68	51/ 53/ 54	2	0.055594	0.000
69	52/ 55/ 53	2	0.055561	0.000
70	55/ 56/ 53	2	0.055561	0.000
71	53/ 56/ 57	2	0.055594	0.000
72	53/ 57/ 54	2	0.055594	0.000
73	55/ 58/ 59	2	0.055477	0.000
74	55/ 59/ 56	2	0.055477	0.000
75	56/ 59/ 57	2	0.055511	0.000
76	57/ 59/ 60	2	0.055511	0.000
77	58/ 61/ 59	2	0.055561	0.000
78	61/ 62/ 59	2	0.055561	0.000
79	59/ 62/ 63	2	0.055594	0.000
80	59/ 63/ 60	2	0.055594	0.000
81	61/ 64/ 65	2	0.055561	0.000
82	61/ 65/ 62	2	0.055561	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
83	62/ 65/ 63	2	0.055594	0.000
84	63/ 65/ 66	2	0.055594	0.000
85	64/ 67/ 65	2	0.055477	0.000
86	67/ 68/ 65	2	0.055477	0.000
87	65/ 68/ 69	2	0.055511	0.000
88	65/ 69/ 66	2	0.055511	0.000
89	67/ 70/ 71	2	0.055561	0.000
90	67/ 71/ 68	2	0.055561	0.000
91	68/ 71/ 69	2	0.055594	0.000
92	69/ 71/ 72	2	0.055594	0.000
93	70/ 73/ 71	2	0.055561	0.000
94	73/ 74/ 71	2	0.055561	0.000
95	71/ 74/ 75	2	0.055594	0.000
96	71/ 75/ 72	2	0.055594	0.000
97	73/ 76/ 77	2	0.055477	0.000
98	73/ 77/ 74	2	0.055477	0.000
99	74/ 77/ 75	2	0.055511	0.000
100	75/ 77/ 78	2	0.055511	0.000
101	76/ 79/ 77	2	0.055561	0.000
102	79/ 80/ 77	2	0.055561	0.000
103	77/ 80/ 81	2	0.055594	0.000
104	77/ 81/ 78	2	0.055594	0.000
105	79/ 82/ 83	2	0.055561	0.000
106	79/ 83/ 80	2	0.055561	0.000
107	80/ 83/ 81	2	0.055594	0.000
108	81/ 83/ 84	2	0.055594	0.000
109	82/ 85/ 83	2	0.055477	0.000
110	85/ 86/ 83	2	0.055477	0.000
111	83/ 86/ 87	2	0.055511	0.000
112	83/ 87/ 84	2	0.055511	0.000
113	85/ 88/ 89	2	0.055561	0.000
114	85/ 89/ 86	2	0.055561	0.000
115	86/ 89/ 87	2	0.055594	0.000
116	87/ 89/ 90	2	0.055594	0.000
117	88/ 91/ 89	2	0.055561	0.000
118	91/ 92/ 89	2	0.055561	0.000
119	89/ 92/ 93	2	0.055594	0.000
120	89/ 93/ 90	2	0.055594	0.000
121	91/ 94/ 95	2	0.055477	0.000
122	91/ 95/ 92	2	0.055477	0.000
123	92/ 95/ 93	2	0.055511	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
124	93/ 95/ 96	2	0.055511	0.000
125	94/ 97/ 95	2	0.055561	0.000
126	97/ 98/ 95	2	0.055561	0.000
127	95/ 98/ 99	2	0.055594	0.000
128	95/ 99/ 96	2	0.055594	0.000
129	97/ 100/ 101	2	0.055561	0.000
130	97/ 101/ 98	2	0.055561	0.000
131	98/ 101/ 99	2	0.055594	0.000
132	99/ 101/ 102	2	0.055594	0.000
133	100/ 103/ 101	2	0.055477	0.000
134	103/ 104/ 101	2	0.055477	0.000
135	101/ 104/ 105	2	0.055511	0.000
136	101/ 105/ 102	2	0.055511	0.000
137	103/ 106/ 107	2	0.055561	0.000
138	103/ 107/ 104	2	0.055561	0.000
139	104/ 107/ 105	2	0.055594	0.000
140	105/ 107/ 108	2	0.055594	0.000
141	106/ 109/ 107	2	0.055561	0.000
142	109/ 110/ 107	2	0.055561	0.000
143	107/ 110/ 111	2	0.055594	0.000
144	107/ 111/ 108	2	0.055594	0.000
145	109/ 112/ 113	2	0.055477	0.000
146	109/ 113/ 110	2	0.055477	0.000
147	110/ 113/ 111	2	0.055511	0.000
148	111/ 113/ 114	2	0.055511	0.000
149	112/ 115/ 113	2	0.055561	0.000
150	115/ 116/ 113	2	0.055561	0.000
151	113/ 116/ 117	2	0.055594	0.000
152	113/ 117/ 114	2	0.055594	0.000
153	115/ 118/ 119	2	0.055561	0.000
154	115/ 119/ 116	2	0.055561	0.000
155	116/ 119/ 117	2	0.055594	0.000
156	117/ 119/ 120	2	0.055594	0.000
157	118/ 121/ 119	2	0.055477	0.000
158	121/ 122/ 119	2	0.055477	0.000
159	119/ 122/ 123	2	0.055511	0.000
160	119/ 123/ 120	2	0.055511	0.000
161	121/ 124/ 125	2	0.055561	0.000
162	121/ 125/ 122	2	0.055561	0.000
163	122/ 125/ 123	2	0.055594	0.000
164	123/ 125/ 126	2	0.055594	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
165	124/ 127/ 125	2	0.055561	0.000
166	127/ 128/ 125	2	0.055561	0.000
167	125/ 128/ 129	2	0.055594	0.000
168	125/ 129/ 126	2	0.055594	0.000
169	127/ 130/ 131	2	0.055477	0.000
170	127/ 131/ 128	2	0.055477	0.000
171	128/ 131/ 129	2	0.055511	0.000
172	129/ 131/ 132	2	0.055511	0.000
173	130/ 133/ 131	2	0.055561	0.000
174	133/ 134/ 131	2	0.055561	0.000
175	131/ 134/ 135	2	0.055594	0.000
176	131/ 135/ 132	2	0.055594	0.000
177	133/ 136/ 137	2	0.055561	0.000
178	133/ 137/ 134	2	0.055561	0.000
179	134/ 137/ 135	2	0.055594	0.000
180	135/ 137/ 138	2	0.055594	0.000
181	136/ 139/ 137	2	0.055477	0.000
182	139/ 140/ 137	2	0.055477	0.000
183	137/ 140/ 141	2	0.055511	0.000
184	137/ 141/ 138	2	0.055511	0.000
185	139/ 142/ 143	2	0.055561	0.000
186	139/ 143/ 140	2	0.055561	0.000
187	140/ 143/ 141	2	0.055594	0.000
188	141/ 143/ 144	2	0.055594	0.000
189	142/ 145/ 143	2	0.055561	0.000
190	145/ 146/ 143	2	0.055561	0.000
191	143/ 146/ 147	2	0.055594	0.000
192	143/ 147/ 144	2	0.055594	0.000
193	145/ 148/ 149	2	0.055477	0.000
194	145/ 149/ 146	2	0.055477	0.000
195	146/ 149/ 147	2	0.055511	0.000
196	147/ 149/ 150	2	0.055511	0.000
197	148/ 151/ 149	2	0.055561	0.000
198	151/ 152/ 149	2	0.055561	0.000
199	149/ 152/ 153	2	0.055594	0.000
200	149/ 153/ 150	2	0.055594	0.000
201	151/ 154/ 155	2	0.055561	0.000
202	151/ 155/ 152	2	0.055561	0.000
203	152/ 155/ 153	2	0.055594	0.000
204	153/ 155/ 156	2	0.055594	0.000
205	154/ 157/ 155	2	0.055477	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
206	157/ 158/ 155	2	0.055477	0.000
207	155/ 158/ 159	2	0.055511	0.000
208	155/ 159/ 156	2	0.055511	0.000
209	157/ 160/ 161	2	0.055561	0.000
210	157/ 161/ 158	2	0.055561	0.000
211	158/ 161/ 159	2	0.055594	0.000
212	159/ 161/ 162	2	0.055594	0.000
213	160/ 163/ 161	2	0.055561	0.000
214	163/ 164/ 161	2	0.055561	0.000
215	161/ 164/ 165	2	0.055594	0.000
216	161/ 165/ 162	2	0.055594	0.000
217	163/ 166/ 167	2	0.041591	0.000
218	163/ 167/ 168	2	0.041566	0.000
219	163/ 168/ 164	2	0.041566	0.000
220	164/ 168/ 165	2	0.041591	0.000
221	165/ 168/ 169	2	0.041591	0.000
222	166/ 170/ 171	2	0.041675	0.000
223	166/ 171/ 172	2	0.041675	0.000
224	166/ 172/ 167	2	0.041675	0.000
225	167/ 172/ 168	2	0.041650	0.000
226	168/ 172/ 173	2	0.041650	0.000
227	168/ 173/ 174	2	0.041675	0.000
228	168/ 174/ 169	2	0.041675	0.000
229	170/ 175/ 176	2	0.041650	0.000
230	170/ 176/ 177	2	0.041675	0.000
231	170/ 177/ 171	2	0.041675	0.000
232	171/ 177/ 172	2	0.041675	0.000
233	172/ 177/ 178	2	0.041675	0.000
234	172/ 178/ 179	2	0.041650	0.000
235	172/ 179/ 173	2	0.041650	0.000
236	173/ 179/ 174	2	0.041675	0.000
237	174/ 179/ 180	2	0.041675	0.000
238	175/ 181/ 182	2	0.041675	0.000
239	175/ 182/ 183	2	0.041650	0.000
240	175/ 183/ 176	2	0.041650	0.000
241	176/ 183/ 177	2	0.041675	0.000
242	177/ 183/ 184	2	0.041675	0.000
243	177/ 184/ 185	2	0.041675	0.000
244	177/ 185/ 178	2	0.041675	0.000
245	178/ 185/ 179	2	0.041650	0.000
246	179/ 185/ 186	2	0.041650	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
247	179/ 186/ 187	2	0.041675	0.000
248	179/ 187/ 180	2	0.041675	0.000
249	181/ 188/ 189	2	0.041675	0.000
250	181/ 189/ 182	2	0.041675	0.000
251	182/ 189/ 183	2	0.041650	0.000
252	183/ 189/ 190	2	0.041650	0.000
253	183/ 190/ 191	2	0.041675	0.000
254	184/ 183/ 191	2	0.041675	0.000
255	184/ 191/ 185	2	0.041675	0.000
256	185/ 191/ 192	2	0.041675	0.000
257	185/ 192/ 193	2	0.041650	0.000
258	185/ 193/ 186	2	0.041650	0.000
259	186/ 193/ 187	2	0.041675	0.000
260	187/ 193/ 194	2	0.041675	0.000
261	188/ 195/ 189	2	0.041675	0.000
262	189/ 195/ 196	2	0.041675	0.000
263	189/ 196/ 197	2	0.041650	0.000
264	189/ 197/ 190	2	0.041650	0.000
265	190/ 197/ 191	2	0.041675	0.000
266	191/ 197/ 198	2	0.041675	0.000
267	191/ 198/ 199	2	0.041675	0.000
268	191/ 199/ 192	2	0.041675	0.000
269	192/ 199/ 193	2	0.041650	0.000
270	193/ 199/ 200	2	0.041650	0.000
271	193/ 200/ 201	2	0.041675	0.000
272	193/ 201/ 194	2	0.041675	0.000
273	195/ 202/ 203	2	0.034673	0.000
274	195/ 203/ 196	2	0.034673	0.000
275	196/ 203/ 197	2	0.034652	0.000
276	197/ 203/ 204	2	0.034652	0.000
277	197/ 204/ 205	2	0.034673	0.000
278	198/ 197/ 205	2	0.034673	0.000
279	198/ 205/ 199	2	0.034673	0.000
280	199/ 205/ 206	2	0.034673	0.000
281	199/ 206/ 207	2	0.034652	0.000
282	199/ 207/ 200	2	0.034652	0.000
283	200/ 207/ 201	2	0.034673	0.000
284	201/ 207/ 208	2	0.034673	0.000
285	202/ 209/ 203	2	0.034840	0.000
286	203/ 209/ 210	2	0.034840	0.000
287	203/ 210/ 211	2	0.034819	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
288	203/ 211/ 204	2	0.034819	0.000
289	204/ 211/ 205	2	0.034840	0.000
290	205/ 211/ 212	2	0.034840	0.000
291	205/ 212/ 213	2	0.034840	0.000
292	205/ 213/ 206	2	0.034840	0.000
293	206/ 213/ 207	2	0.034819	0.000
294	207/ 213/ 214	2	0.034819	0.000
295	207/ 214/ 215	2	0.034840	0.000
296	207/ 215/ 208	2	0.034840	0.000
297	209/ 216/ 217	2	0.015586	0.000
298	209/ 217/ 210	2	0.015586	0.000
299	210/ 217/ 211	2	0.015577	0.000
300	211/ 217/ 218	2	0.015577	0.000
301	211/ 218/ 219	2	0.015586	0.000
302	212/ 211/ 219	2	0.015586	0.000
303	212/ 219/ 213	2	0.015586	0.000
304	213/ 219/ 220	2	0.015586	0.000
305	213/ 220/ 221	2	0.015577	0.000
306	213/ 221/ 214	2	0.015577	0.000
307	214/ 221/ 215	2	0.015586	0.000
308	215/ 221/ 222	2	0.015586	0.000
309	216/ 223/ 217	2	0.015669	0.000
310	217/ 223/ 224	2	0.015669	0.000
311	217/ 224/ 225	2	0.015660	0.000
312	217/ 225/ 218	2	0.015660	0.000
313	218/ 225/ 219	2	0.015669	0.000
314	219/ 225/ 226	2	0.015669	0.000
315	219/ 226/ 227	2	0.015669	0.000
316	219/ 227/ 220	2	0.015669	0.000
317	220/ 227/ 221	2	0.015660	0.000
318	221/ 227/ 228	2	0.015660	0.000
319	221/ 228/ 229	2	0.015669	0.000
320	221/ 229/ 222	2	0.015669	0.000
321	223/ 230/ 231	2	0.012085	0.000
322	223/ 231/ 224	2	0.012085	0.000
323	224/ 231/ 225	2	0.012078	0.000
324	225/ 231/ 232	2	0.012078	0.000
325	225/ 232/ 233	2	0.012085	0.000
326	226/ 225/ 233	2	0.012085	0.000
327	226/ 233/ 227	2	0.012085	0.000
328	227/ 233/ 234	2	0.012085	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
329	227/ 234/ 235	2	0.012078	0.000
330	227/ 235/ 228	2	0.012078	0.000
331	228/ 235/ 229	2	0.012085	0.000
332	229/ 235/ 236	2	0.012085	0.000
333	230/ 237/ 231	2	0.012169	0.000
334	231/ 237/ 238	2	0.012169	0.000
335	231/ 238/ 239	2	0.012161	0.000
336	231/ 239/ 232	2	0.012161	0.000
337	232/ 239/ 233	2	0.012169	0.000
338	233/ 239/ 240	2	0.012169	0.000
339	233/ 240/ 241	2	0.012169	0.000
340	233/ 241/ 234	2	0.012169	0.000
341	234/ 241/ 235	2	0.012161	0.000
342	235/ 241/ 242	2	0.012161	0.000
343	235/ 242/ 243	2	0.012169	0.000
344	235/ 243/ 236	2	0.012169	0.000
345	237/ 244/ 245	2	0.041675	0.000
346	237/ 245/ 238	2	0.041675	0.000
347	238/ 245/ 239	2	0.041650	0.000
348	239/ 245/ 246	2	0.041650	0.000
349	239/ 246/ 247	2	0.041675	0.000
350	240/ 239/ 247	2	0.041675	0.000
351	240/ 247/ 241	2	0.041675	0.000
352	241/ 247/ 248	2	0.041675	0.000
353	241/ 248/ 249	2	0.041650	0.000
354	241/ 249/ 242	2	0.041650	0.000
355	242/ 249/ 243	2	0.041675	0.000
356	243/ 249/ 250	2	0.041675	0.000
357	244/ 251/ 245	2	0.041675	0.000
358	245/ 251/ 252	2	0.041675	0.000
359	245/ 252/ 253	2	0.041650	0.000
360	245/ 253/ 246	2	0.041650	0.000
361	246/ 253/ 247	2	0.041675	0.000
362	247/ 253/ 254	2	0.041675	0.000
363	247/ 254/ 255	2	0.041675	0.000
364	247/ 255/ 248	2	0.041675	0.000
365	248/ 255/ 249	2	0.041650	0.000
366	249/ 255/ 256	2	0.041650	0.000
367	249/ 256/ 257	2	0.041675	0.000
368	249/ 257/ 250	2	0.041675	0.000
369	258/ 263/ 262	2	0.048661	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
370	258/ 259/ 263	2	0.048661	0.000
371	259/ 229/ 263	2	0.048661	0.000
372	229/ 264/ 263	2	0.048669	0.000
373	229/ 265/ 264	2	0.048335	0.000
374	229/ 260/ 265	2	0.048328	0.000
375	260/ 261/ 265	2	0.048661	0.000
376	261/ 266/ 265	2	0.048661	0.000
377	262/ 263/ 267	2	0.048669	0.000
378	263/ 268/ 267	2	0.048669	0.000
379	263/ 269/ 268	2	0.048669	0.000
380	263/ 264/ 269	2	0.048669	0.000
381	264/ 265/ 269	2	0.048335	0.000
382	265/ 270/ 269	2	0.048335	0.000
383	265/ 271/ 270	2	0.048669	0.000
384	265/ 266/ 271	2	0.048669	0.000
385	267/ 273/ 272	2	0.048669	0.000
386	267/ 268/ 273	2	0.048669	0.000
387	268/ 269/ 273	2	0.048669	0.000
388	269/ 274/ 273	2	0.048669	0.000
389	269/ 275/ 274	2	0.048335	0.000
390	269/ 270/ 275	2	0.048335	0.000
391	270/ 271/ 275	2	0.048669	0.000
392	271/ 276/ 275	2	0.048669	0.000
393	272/ 273/ 277	2	0.048669	0.000
394	273/ 278/ 277	2	0.048669	0.000
395	273/ 279/ 278	2	0.048669	0.000
396	273/ 274/ 279	2	0.048669	0.000
397	274/ 275/ 279	2	0.048335	0.000
398	275/ 280/ 279	2	0.048335	0.000
399	275/ 281/ 280	2	0.048669	0.000
400	275/ 276/ 281	2	0.048669	0.000
401	277/ 283/ 282	2	0.048669	0.000
402	277/ 278/ 283	2	0.048669	0.000
403	278/ 279/ 283	2	0.048669	0.000
404	279/ 284/ 283	2	0.048669	0.000
405	279/ 285/ 284	2	0.048335	0.000
406	279/ 280/ 285	2	0.048335	0.000
407	280/ 281/ 285	2	0.048669	0.000
408	281/ 286/ 285	2	0.048669	0.000
409	282/ 283/ 287	2	0.048669	0.000
410	283/ 288/ 287	2	0.048669	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
411	283/ 289/ 288	2	0.048669	0.000
412	283/ 284/ 289	2	0.048669	0.000
413	284/ 285/ 289	2	0.048335	0.000
414	285/ 290/ 289	2	0.048335	0.000
415	285/ 291/ 290	2	0.048669	0.000
416	285/ 286/ 291	2	0.048669	0.000
417	287/ 293/ 292	2	0.048669	0.000
418	287/ 288/ 293	2	0.048669	0.000
419	288/ 289/ 293	2	0.048669	0.000
420	289/ 294/ 293	2	0.048669	0.000
421	289/ 295/ 294	2	0.048335	0.000
422	289/ 290/ 295	2	0.048335	0.000
423	290/ 291/ 295	2	0.048669	0.000
424	291/ 296/ 295	2	0.048669	0.000
425	292/ 293/ 297	2	0.048669	0.000
426	293/ 298/ 297	2	0.048669	0.000
427	293/ 299/ 298	2	0.048669	0.000
428	293/ 294/ 299	2	0.048669	0.000
429	294/ 295/ 299	2	0.048335	0.000
430	295/ 300/ 299	2	0.048335	0.000
431	295/ 301/ 300	2	0.048669	0.000
432	295/ 296/ 301	2	0.048669	0.000
433	297/ 303/ 302	2	0.048669	0.000
434	297/ 298/ 303	2	0.048669	0.000
435	298/ 299/ 303	2	0.048669	0.000
436	299/ 304/ 303	2	0.048669	0.000
437	299/ 305/ 304	2	0.048335	0.000
438	299/ 300/ 305	2	0.048335	0.000
439	300/ 301/ 305	2	0.048669	0.000
440	301/ 306/ 305	2	0.048669	0.000
441	302/ 303/ 307	2	0.048669	0.000
442	303/ 308/ 307	2	0.048669	0.000
443	303/ 309/ 308	2	0.048669	0.000
444	303/ 304/ 309	2	0.048669	0.000
445	304/ 305/ 309	2	0.048335	0.000
446	305/ 310/ 309	2	0.048335	0.000
447	305/ 311/ 310	2	0.048669	0.000
448	305/ 306/ 311	2	0.048669	0.000
449	307/ 313/ 312	2	0.048669	0.000
450	307/ 308/ 313	2	0.048669	0.000
451	308/ 309/ 313	2	0.048669	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
452	309/ 314/ 313	2	0.048669	0.000
453	309/ 315/ 314	2	0.048335	0.000
454	309/ 310/ 315	2	0.048335	0.000
455	310/ 311/ 315	2	0.048669	0.000
456	311/ 316/ 315	2	0.048669	0.000
457	312/ 313/ 317	2	0.048669	0.000
458	313/ 318/ 317	2	0.048669	0.000
459	313/ 319/ 318	2	0.048669	0.000
460	313/ 314/ 319	2	0.048669	0.000
461	314/ 315/ 319	2	0.048335	0.000
462	315/ 320/ 319	2	0.048335	0.000
463	315/ 321/ 320	2	0.048669	0.000
464	315/ 316/ 321	2	0.048669	0.000
465	317/ 323/ 322	2	0.048669	0.000
466	317/ 318/ 323	2	0.048669	0.000
467	318/ 319/ 323	2	0.048669	0.000
468	319/ 324/ 323	2	0.048669	0.000
469	319/ 325/ 324	2	0.048335	0.000
470	319/ 320/ 325	2	0.048335	0.000
471	320/ 321/ 325	2	0.048669	0.000
472	321/ 326/ 325	2	0.048669	0.000
473	322/ 323/ 327	2	0.048610	0.000
474	323/ 328/ 327	2	0.048610	0.000
475	323/ 329/ 328	2	0.048610	0.000
476	323/ 324/ 329	2	0.048610	0.000
477	324/ 325/ 329	2	0.048277	0.000
478	325/ 330/ 329	2	0.048277	0.000
479	325/ 331/ 330	2	0.048610	0.000
480	325/ 326/ 331	2	0.048610	0.000
481	327/ 333/ 332	2	0.048691	0.000
482	327/ 328/ 333	2	0.048691	0.000
483	328/ 329/ 333	2	0.048691	0.000
484	329/ 334/ 333	2	0.048691	0.000
485	329/ 335/ 334	2	0.048357	0.000
486	329/ 330/ 335	2	0.048357	0.000
487	330/ 331/ 335	2	0.048691	0.000
488	331/ 336/ 335	2	0.048691	0.000
489	332/ 333/ 337	2	0.048691	0.000
490	333/ 338/ 337	2	0.048691	0.000
491	333/ 339/ 338	2	0.048691	0.000
492	333/ 334/ 339	2	0.048691	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
493	334/ 335/ 339	2	0.048357	0.000
494	335/ 340/ 339	2	0.048357	0.000
495	335/ 341/ 340	2	0.048691	0.000
496	335/ 336/ 341	2	0.048691	0.000
497	337/ 343/ 342	2	0.048618	0.000
498	337/ 338/ 343	2	0.048618	0.000
499	338/ 339/ 343	2	0.048618	0.000
500	339/ 344/ 343	2	0.048618	0.000
501	339/ 345/ 344	2	0.048285	0.000
502	339/ 340/ 345	2	0.048285	0.000
503	340/ 341/ 345	2	0.048618	0.000
504	341/ 346/ 345	2	0.048618	0.000
505	342/ 343/ 347	2	0.048691	0.000
506	343/ 348/ 347	2	0.048691	0.000
507	343/ 349/ 348	2	0.048691	0.000
508	343/ 344/ 349	2	0.048691	0.000
509	344/ 345/ 349	2	0.048357	0.000
510	345/ 350/ 349	2	0.048357	0.000
511	345/ 351/ 350	2	0.048691	0.000
512	345/ 346/ 351	2	0.048691	0.000
513	347/ 353/ 352	2	0.048691	0.000
514	347/ 348/ 353	2	0.048691	0.000
515	348/ 349/ 353	2	0.048691	0.000
516	349/ 354/ 353	2	0.048691	0.000
517	349/ 355/ 354	2	0.048357	0.000
518	349/ 350/ 355	2	0.048357	0.000
519	350/ 351/ 355	2	0.048691	0.000
520	351/ 356/ 355	2	0.048691	0.000
521	352/ 353/ 357	2	0.048691	0.000
522	353/ 358/ 357	2	0.048691	0.000
523	353/ 359/ 358	2	0.048691	0.000
524	353/ 354/ 359	2	0.048691	0.000
525	354/ 355/ 359	2	0.048357	0.000
526	355/ 360/ 359	2	0.048357	0.000
527	355/ 361/ 360	2	0.048691	0.000
528	355/ 356/ 361	2	0.048691	0.000
529	357/ 363/ 362	2	0.048618	0.000
530	357/ 358/ 363	2	0.048618	0.000
531	358/ 359/ 363	2	0.048618	0.000
532	359/ 364/ 363	2	0.048618	0.000
533	359/ 365/ 364	2	0.048285	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
534	359/ 360/ 365	2	0.048285	0.000
535	360/ 361/ 365	2	0.048618	0.000
536	361/ 366/ 365	2	0.048618	0.000
537	362/ 363/ 367	3	0.048691	0.000
538	363/ 368/ 367	3	0.048691	0.000
539	363/ 369/ 368	3	0.048691	0.000
540	363/ 364/ 369	3	0.048691	0.000
541	364/ 365/ 369	3	0.048357	0.000
542	365/ 370/ 369	3	0.048357	0.000
543	365/ 371/ 370	3	0.048691	0.000
544	365/ 366/ 371	3	0.048691	0.000
545	367/ 373/ 372	3	0.048691	0.000
546	367/ 368/ 373	3	0.048691	0.000
547	368/ 369/ 373	3	0.048691	0.000
548	369/ 374/ 373	3	0.048691	0.000
549	369/ 375/ 374	3	0.048357	0.000
550	369/ 370/ 375	3	0.048357	0.000
551	370/ 371/ 375	3	0.048691	0.000
552	371/ 376/ 375	3	0.048691	0.000
553	372/ 373/ 377	3	0.048618	0.000
554	373/ 378/ 377	3	0.051948	0.000
555	373/ 379/ 378	3	0.051948	0.000
556	373/ 374/ 379	3	0.048618	0.000
557	374/ 375/ 379	3	0.048285	0.000
558	375/ 380/ 379	3	0.052281	0.000
559	375/ 381/ 380	3	0.051948	0.000
560	375/ 376/ 381	3	0.048618	0.000
561	377/ 383/ 382	3	0.052026	0.000
562	377/ 378/ 383	3	0.052026	0.000
563	378/ 379/ 383	3	0.052026	0.000
564	379/ 384/ 383	3	0.052026	0.000
565	379/ 385/ 384	3	0.052359	0.000
566	379/ 380/ 385	3	0.052359	0.000
567	380/ 381/ 385	3	0.052026	0.000
568	381/ 386/ 385	3	0.052026	0.000
569	382/ 383/ 387	3	0.052026	0.000
570	383/ 388/ 387	3	0.052026	0.000
571	383/ 389/ 388	3	0.052026	0.000
572	383/ 384/ 389	3	0.052026	0.000
573	384/ 385/ 389	3	0.052359	0.000
574	385/ 390/ 389	3	0.052359	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
575	385/ 391/ 390	3	0.052026	0.000
576	385/ 386/ 391	3	0.052026	0.000
577	387/ 393/ 392	3	0.051948	0.000
578	387/ 388/ 393	3	0.051948	0.000
579	388/ 389/ 393	3	0.051948	0.000
580	389/ 394/ 393	3	0.051948	0.000
581	389/ 395/ 394	3	0.052281	0.000
582	389/ 390/ 395	3	0.052281	0.000
583	390/ 391/ 395	3	0.051948	0.000
584	391/ 396/ 395	3	0.051948	0.000
585	392/ 393/ 397	3	0.052026	0.000
586	393/ 398/ 397	3	0.052026	0.000
587	393/ 399/ 398	3	0.052026	0.000
588	393/ 394/ 399	3	0.052026	0.000
589	394/ 395/ 399	3	0.052359	0.000
590	395/ 400/ 399	3	0.052359	0.000
591	395/ 401/ 400	3	0.052026	0.000
592	395/ 396/ 401	3	0.052026	0.000
593	397/ 403/ 402	3	0.052026	0.000
594	397/ 398/ 403	3	0.052026	0.000
595	398/ 399/ 403	3	0.052026	0.000
596	399/ 404/ 403	3	0.052026	0.000
597	399/ 405/ 404	3	0.052359	0.000
598	399/ 400/ 405	3	0.052359	0.000
599	400/ 401/ 405	3	0.052026	0.000
600	401/ 406/ 405	3	0.052026	0.000
601	402/ 403/ 407	3	0.051948	0.000
602	403/ 408/ 407	3	0.051948	0.000
603	403/ 409/ 408	3	0.051948	0.000
604	403/ 404/ 409	3	0.051948	0.000
605	404/ 405/ 409	3	0.052281	0.000
606	405/ 410/ 409	3	0.052281	0.000
607	405/ 411/ 410	3	0.051948	0.000
608	405/ 406/ 411	3	0.051948	0.000
609	407/ 413/ 412	3	0.052026	0.000
610	407/ 408/ 413	3	0.052026	0.000
611	408/ 409/ 413	3	0.052026	0.000
612	409/ 414/ 413	3	0.052026	0.000
613	409/ 415/ 414	3	0.052359	0.000
614	409/ 410/ 415	3	0.052359	0.000
615	410/ 411/ 415	3	0.052026	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
616	411/ 416/ 415	3	0.052026	0.000
617	412/ 413/ 417	3	0.052026	0.000
618	413/ 418/ 417	3	0.052026	0.000
619	413/ 419/ 418	3	0.052026	0.000
620	413/ 414/ 419	3	0.052026	0.000
621	414/ 415/ 419	3	0.052359	0.000
622	415/ 420/ 419	3	0.052359	0.000
623	415/ 421/ 420	3	0.052026	0.000
624	415/ 416/ 421	3	0.052026	0.000
625	417/ 423/ 422	3	0.051948	0.000
626	417/ 418/ 423	3	0.051948	0.000
627	418/ 419/ 423	3	0.051948	0.000
628	419/ 424/ 423	3	0.051948	0.000
629	419/ 425/ 424	3	0.052281	0.000
630	419/ 420/ 425	3	0.052281	0.000
631	420/ 421/ 425	3	0.051948	0.000
632	421/ 426/ 425	3	0.051948	0.000
633	422/ 423/ 427	3	0.052026	0.000
634	423/ 428/ 427	3	0.052026	0.000
635	423/ 429/ 428	3	0.052026	0.000
636	423/ 424/ 429	3	0.052026	0.000
637	424/ 425/ 429	3	0.052359	0.000
638	425/ 430/ 429	3	0.052359	0.000
639	425/ 431/ 430	3	0.052026	0.000
640	425/ 426/ 431	3	0.052026	0.000
641	427/ 433/ 432	3	0.052026	0.000
642	427/ 428/ 433	3	0.052026	0.000
643	428/ 429/ 433	3	0.052026	0.000
644	429/ 434/ 433	3	0.052026	0.000
645	429/ 435/ 434	3	0.052359	0.000
646	429/ 430/ 435	3	0.052359	0.000
647	430/ 431/ 435	3	0.052026	0.000
648	431/ 436/ 435	3	0.052026	0.000
649	432/ 433/ 437	3	0.051948	0.000
650	433/ 438/ 437	3	0.055278	0.000
651	433/ 439/ 438	3	0.055611	0.000
652	433/ 434/ 439	3	0.051948	0.000
653	434/ 435/ 439	3	0.052281	0.000
654	435/ 440/ 439	3	0.055611	0.000
655	435/ 441/ 440	3	0.055278	0.000
656	435/ 436/ 441	3	0.051948	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
657	437/ 443/ 442	3	0.055278	0.000
658	437/ 438/ 443	3	0.055278	0.000
659	438/ 439/ 443	3	0.055611	0.000
660	439/ 444/ 443	3	0.055611	0.000
661	439/ 445/ 444	3	0.055611	0.000
662	439/ 440/ 445	3	0.055611	0.000
663	440/ 441/ 445	3	0.055278	0.000
664	441/ 446/ 445	3	0.055278	0.000
665	442/ 443/ 447	3	0.055278	0.000
666	443/ 448/ 447	3	0.055278	0.000
667	443/ 449/ 448	3	0.055611	0.000
668	443/ 444/ 449	3	0.055611	0.000
669	444/ 445/ 449	3	0.055611	0.000
670	445/ 450/ 449	3	0.055611	0.000
671	445/ 451/ 450	3	0.055278	0.000
672	445/ 446/ 451	3	0.055278	0.000
673	447/ 453/ 452	3	0.055444	0.000
674	447/ 448/ 453	3	0.055444	0.000
675	448/ 449/ 453	3	0.055778	0.000
676	449/ 454/ 453	3	0.055778	0.000
677	449/ 455/ 454	3	0.055778	0.000
678	449/ 450/ 455	3	0.055778	0.000
679	450/ 451/ 455	3	0.055444	0.000
680	451/ 456/ 455	3	0.055444	0.000
681	452/ 453/ 457	3	0.027639	0.000
682	453/ 458/ 457	3	0.027639	0.000
683	453/ 459/ 458	3	0.027805	0.000
684	453/ 454/ 459	3	0.027805	0.000
685	454/ 455/ 459	3	0.027805	0.000
686	455/ 460/ 459	3	0.027805	0.000
687	455/ 461/ 460	3	0.027639	0.000
688	455/ 456/ 461	3	0.027639	0.000
689	457/ 463/ 462	3	0.027639	0.000
690	457/ 458/ 463	3	0.027639	0.000
691	458/ 459/ 463	3	0.027805	0.000
692	459/ 464/ 463	3	0.027805	0.000
693	459/ 465/ 464	3	0.027805	0.000
694	459/ 460/ 465	3	0.027805	0.000
695	460/ 461/ 465	3	0.027639	0.000
696	461/ 466/ 465	3	0.027639	0.000
697	467/ 452/ 457	4	0.083250	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
698	467/ 457/ 468	4	0.072750	0.000
699	468/ 457/ 469	4	0.073000	0.000
700	469/ 457/ 462	4	0.083250	0.000
701	470/ 467/ 471	4	0.062500	0.000
702	471/ 467/ 468	4	0.072750	0.000
703	471/ 468/ 469	4	0.073000	0.000
704	471/ 469/ 472	4	0.062500	0.000
705	473/ 470/ 471	4	0.062500	0.000
706	473/ 471/ 474	4	0.057250	0.000
707	474/ 471/ 475	4	0.057250	0.000
708	475/ 471/ 472	4	0.062500	0.000
709	476/ 473/ 477	4	0.052000	0.000
710	477/ 473/ 474	4	0.057250	0.000
711	477/ 474/ 475	4	0.057250	0.000
712	477/ 475/ 478	4	0.052250	0.000
713	479/ 476/ 477	4	0.052000	0.000
714	479/ 477/ 480	4	0.052000	0.000
715	480/ 477/ 481	4	0.052250	0.000
716	481/ 477/ 478	4	0.052250	0.000
717	482/ 479/ 483	4	0.052000	0.000
718	483/ 479/ 480	4	0.052000	0.000
719	483/ 480/ 481	4	0.052250	0.000
720	483/ 481/ 484	4	0.052250	0.000
721	485/ 482/ 483	4	0.052000	0.000
722	485/ 483/ 486	4	0.052000	0.000
723	486/ 483/ 487	4	0.052250	0.000
724	487/ 483/ 484	4	0.052250	0.000
725	488/ 485/ 489	4	0.052000	0.000
726	489/ 485/ 486	4	0.052000	0.000
727	489/ 486/ 487	4	0.052250	0.000
728	489/ 487/ 490	4	0.052250	0.000
729	491/ 488/ 489	4	0.069368	0.000
730	491/ 489/ 492	4	0.069368	0.000
731	492/ 489/ 493	4	0.069701	0.000
732	493/ 489/ 490	4	0.069701	0.000
733	494/ 491/ 495	4	0.069368	0.000
734	495/ 491/ 492	4	0.069368	0.000
735	495/ 492/ 493	4	0.069701	0.000
736	495/ 493/ 496	4	0.069701	0.000
737	497/ 494/ 495	4	0.069264	0.000
738	497/ 495/ 498	4	0.069264	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
739	498/ 495/ 499	4	0.069597	0.000
740	499/ 495/ 496	4	0.069597	0.000
741	500/ 497/ 501	4	0.069368	0.000
742	501/ 497/ 498	4	0.069368	0.000
743	501/ 498/ 499	4	0.069701	0.000
744	501/ 499/ 502	4	0.069701	0.000
745	503/ 500/ 501	4	0.069368	0.000
746	503/ 501/ 504	4	0.069368	0.000
747	504/ 501/ 505	4	0.069701	0.000
748	505/ 501/ 502	4	0.069701	0.000
749	506/ 503/ 507	4	0.069264	0.000
750	507/ 503/ 504	4	0.069264	0.000
751	507/ 504/ 505	4	0.069597	0.000
752	507/ 505/ 508	4	0.069597	0.000
753	509/ 506/ 507	4	0.069368	0.000
754	509/ 507/ 510	4	0.062364	0.000
755	510/ 507/ 511	4	0.062698	0.000
756	511/ 507/ 508	4	0.069701	0.000
757	512/ 509/ 513	4	0.062364	0.000
758	513/ 509/ 510	4	0.062364	0.000
759	513/ 510/ 511	4	0.062698	0.000
760	513/ 511/ 514	4	0.062698	0.000
761	515/ 512/ 513	4	0.062271	0.000
762	515/ 513/ 516	4	0.062271	0.000
763	516/ 513/ 517	4	0.062604	0.000
764	517/ 513/ 514	4	0.062604	0.000
765	518/ 515/ 519	4	0.062364	0.000
766	519/ 515/ 516	4	0.062364	0.000
767	519/ 516/ 517	4	0.062698	0.000
768	519/ 517/ 520	4	0.062698	0.000
769	521/ 518/ 519	4	0.062364	0.000
770	521/ 519/ 522	4	0.062364	0.000
771	522/ 519/ 523	4	0.062698	0.000
772	523/ 519/ 520	4	0.062698	0.000
773	524/ 521/ 525	4	0.062271	0.000
774	525/ 521/ 522	4	0.062271	0.000
775	525/ 522/ 523	4	0.062604	0.000
776	525/ 523/ 526	4	0.062604	0.000
777	527/ 524/ 525	4	0.062364	0.000
778	527/ 525/ 528	4	0.055694	0.000
779	528/ 525/ 529	4	0.055694	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
780	529/ 525/ 526	4	0.062698	0.000
781	530/ 527/ 531	4	0.055694	0.000
782	531/ 527/ 528	4	0.055694	0.000
783	531/ 528/ 529	4	0.055694	0.000
784	531/ 529/ 532	4	0.055694	0.000
785	533/ 530/ 531	4	0.055611	0.000
786	533/ 531/ 534	4	0.055611	0.000
787	534/ 531/ 535	4	0.055611	0.000
788	535/ 531/ 532	4	0.055611	0.000
789	536/ 533/ 537	4	0.055694	0.000
790	537/ 533/ 534	4	0.055694	0.000
791	537/ 534/ 535	4	0.055694	0.000
792	537/ 535/ 538	4	0.055694	0.000
793	539/ 536/ 537	4	0.055694	0.000
794	539/ 537/ 540	4	0.055694	0.000
795	540/ 537/ 541	4	0.055694	0.000
796	541/ 537/ 538	4	0.055694	0.000
797	542/ 539/ 543	4	0.055611	0.000
798	543/ 539/ 540	4	0.055611	0.000
799	543/ 540/ 541	4	0.055611	0.000
800	543/ 541/ 544	4	0.055611	0.000
801	545/ 542/ 543	4	0.055694	0.000
802	545/ 543/ 546	4	0.055694	0.000
803	546/ 543/ 547	4	0.055694	0.000
804	547/ 543/ 544	4	0.055694	0.000
805	548/ 545/ 549	4	0.055694	0.000
806	549/ 545/ 546	4	0.055694	0.000
807	549/ 546/ 547	4	0.055694	0.000
808	549/ 547/ 550	4	0.055694	0.000
809	551/ 548/ 549	4	0.055611	0.000
810	551/ 549/ 552	4	0.055611	0.000
811	552/ 549/ 553	4	0.055611	0.000
812	553/ 549/ 550	4	0.055611	0.000
813	554/ 551/ 555	4	0.055694	0.000
814	555/ 551/ 552	4	0.055694	0.000
815	555/ 552/ 553	4	0.055694	0.000
816	555/ 553/ 556	4	0.055694	0.000
817	557/ 554/ 555	4	0.055694	0.000
818	557/ 555/ 558	4	0.055694	0.000
819	558/ 555/ 559	4	0.055694	0.000
820	559/ 555/ 556	4	0.055694	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
821	560/ 557/ 561	3	0.042486	0.000
822	561/ 557/ 558	3	0.048597	0.000
823	561/ 558/ 559	3	0.048597	0.000
824	561/ 559/ 562	3	0.042486	0.000
825	563/ 560/ 561	3	0.042632	0.000
826	563/ 561/ 564	3	0.044968	0.000
827	564/ 561/ 565	3	0.042632	0.000
828	565/ 561/ 562	3	0.042632	0.000
829	566/ 563/ 567	3	0.042559	0.000
830	567/ 563/ 564	3	0.044891	0.000
831	567/ 564/ 565	3	0.042559	0.000
832	567/ 565/ 568	3	0.042267	0.000
833	569/ 566/ 567	3	0.042559	0.000
834	569/ 567/ 570	3	0.042267	0.000
835	570/ 567/ 571	3	0.042559	0.000
836	571/ 567/ 568	3	0.042267	0.000
837	572/ 569/ 573	3	0.042632	0.000
838	573/ 569/ 570	3	0.042340	0.000
839	573/ 570/ 571	3	0.042632	0.000
840	573/ 571/ 574	3	0.042632	0.000
841	575/ 572/ 573	3	0.042559	0.000
842	575/ 573/ 576	3	0.042267	0.000
843	576/ 573/ 577	3	0.042559	0.000
844	577/ 573/ 574	3	0.042559	0.000
845	578/ 575/ 579	3	0.042559	0.000
846	579/ 575/ 576	3	0.042267	0.000
847	579/ 576/ 577	3	0.042559	0.000
848	579/ 577/ 580	3	0.042267	0.000
849	581/ 578/ 579	3	0.036500	0.000
850	581/ 579/ 582	3	0.031250	0.000
851	582/ 579/ 583	3	0.031250	0.000
852	583/ 579/ 580	3	0.036250	0.000
853	584/ 581/ 585	3	0.031250	0.000
854	585/ 581/ 582	3	0.031250	0.000
855	585/ 582/ 583	3	0.031250	0.000
856	585/ 583/ 586	3	0.031250	0.000
857	587/ 584/ 585	3	0.031250	0.000
858	587/ 585/ 588	3	0.031250	0.000
859	588/ 585/ 589	3	0.031250	0.000
860	589/ 585/ 586	3	0.031250	0.000
861	590/ 587/ 591	3	0.031250	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
862	591/ 587/ 588	3	0.031250	0.000
863	591/ 588/ 589	3	0.031250	0.000
864	591/ 589/ 592	3	0.031250	0.000
865	593/ 590/ 591	3	0.031250	0.000
866	593/ 591/ 594	3	0.031250	0.000
867	594/ 591/ 595	3	0.031250	0.000
868	595/ 591/ 592	3	0.031250	0.000
869	596/ 593/ 597	3	0.031250	0.000
870	597/ 593/ 594	3	0.031250	0.000
871	597/ 594/ 595	3	0.031250	0.000
872	597/ 595/ 598	3	0.031250	0.000
873	599/ 596/ 597	3	0.031250	0.000
874	599/ 597/ 600	3	0.031250	0.000
875	600/ 597/ 601	3	0.031250	0.000
876	601/ 597/ 598	3	0.031250	0.000
877	602/ 599/ 603	3	0.031250	0.000
878	603/ 599/ 600	3	0.031250	0.000
879	603/ 600/ 601	3	0.031250	0.000
880	603/ 601/ 604	3	0.031250	0.000
881	605/ 602/ 603	3	0.031250	0.000
882	605/ 603/ 606	3	0.031500	0.000
883	606/ 603/ 607	3	0.031000	0.000
884	607/ 603/ 604	3	0.031250	0.000
885	608/ 605/ 609	3	0.031250	0.000
886	609/ 605/ 606	3	0.031500	0.000
887	609/ 606/ 607	3	0.031000	0.000
888	609/ 607/ 610	3	0.031250	0.000
889	611/ 608/ 609	3	0.031250	0.000
890	611/ 609/ 612	3	0.031250	0.000
891	612/ 609/ 613	3	0.031250	0.000
892	613/ 609/ 610	3	0.031250	0.000
893	614/ 611/ 615	3	0.031250	0.000
894	615/ 611/ 612	3	0.031250	0.000
895	615/ 612/ 613	3	0.031250	0.000
896	615/ 613/ 616	3	0.029000	0.000
897	617/ 614/ 615	3	0.031250	0.000
898	617/ 615/ 618	3	0.031250	0.000
899	618/ 615/ 619	3	0.031250	0.000
900	619/ 615/ 616	3	0.029000	0.000
901	620/ 617/ 621	3	0.031250	0.000
902	621/ 617/ 618	3	0.031250	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
903	621/ 618/ 619	3	0.031250	0.000
904	621/ 619/ 622	3	0.031250	0.000
905	623/ 620/ 621	3	0.031250	0.000
906	623/ 621/ 624	3	0.031250	0.000
907	624/ 621/ 625	3	0.031250	0.000
908	625/ 621/ 622	3	0.031250	0.000
909	626/ 623/ 627	2	0.021684	0.000
910	627/ 623/ 624	2	0.026062	0.000
911	627/ 624/ 625	2	0.026062	0.000
912	627/ 625/ 628	2	0.021684	0.000
913	629/ 626/ 627	2	0.021632	0.000
914	629/ 627/ 630	2	0.021632	0.000
915	630/ 627/ 631	2	0.021632	0.000
916	631/ 627/ 628	2	0.021632	0.000
917	632/ 629/ 633	2	0.021684	0.000
918	633/ 629/ 630	2	0.021684	0.000
919	633/ 630/ 631	2	0.021684	0.000
920	633/ 631/ 634	2	0.021684	0.000
921	635/ 632/ 633	2	0.021684	0.000
922	635/ 633/ 636	2	0.021684	0.000
923	636/ 633/ 637	2	0.021684	0.000
924	637/ 633/ 634	2	0.021684	0.000
925	638/ 635/ 639	2	0.021684	0.000
926	639/ 635/ 636	2	0.021684	0.000
927	639/ 636/ 637	2	0.021684	0.000
928	639/ 637/ 640	2	0.021684	0.000
929	641/ 638/ 639	2	0.021632	0.000
930	641/ 639/ 642	2	0.021632	0.000
931	642/ 639/ 643	2	0.021632	0.000
932	643/ 639/ 640	2	0.021632	0.000
933	644/ 641/ 645	2	0.021684	0.000
934	645/ 641/ 642	2	0.021684	0.000
935	645/ 642/ 643	2	0.021684	0.000
936	645/ 643/ 646	2	0.021684	0.000
937	647/ 644/ 645	2	0.021632	0.000
938	647/ 645/ 648	2	0.021632	0.000
939	648/ 645/ 649	2	0.021632	0.000
940	649/ 645/ 646	2	0.021632	0.000
941	650/ 647/ 651	2	0.021684	0.000
942	651/ 647/ 648	2	0.021684	0.000
943	651/ 648/ 649	2	0.021684	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
944	651/ 649/ 652	2	0.021684	0.000
945	653/ 650/ 651	2	0.021684	0.000
946	653/ 651/ 654	2	0.021684	0.000
947	654/ 651/ 655	2	0.021684	0.000
948	655/ 651/ 652	2	0.021684	0.000
949	656/ 653/ 657	2	0.021684	0.000
950	657/ 653/ 654	2	0.021684	0.000
951	657/ 654/ 655	2	0.021684	0.000
952	657/ 655/ 658	2	0.021684	0.000
953	659/ 656/ 657	2	0.021632	0.000
954	659/ 657/ 660	2	0.021632	0.000
955	660/ 657/ 661	2	0.021632	0.000
956	661/ 657/ 658	2	0.021632	0.000
957	662/ 659/ 663	2	0.021684	0.000
958	663/ 659/ 660	2	0.021684	0.000
959	663/ 660/ 661	2	0.021684	0.000
960	663/ 661/ 664	2	0.021684	0.000
961	665/ 662/ 663	2	0.021632	0.000
962	665/ 663/ 666	2	0.021632	0.000
963	666/ 663/ 667	2	0.021632	0.000
964	667/ 663/ 664	2	0.021632	0.000
965	668/ 665/ 669	2	0.021684	0.000
966	669/ 665/ 666	2	0.021684	0.000
967	669/ 666/ 667	2	0.021684	0.000
968	669/ 667/ 670	2	0.021684	0.000
969	671/ 668/ 669	2	0.021684	0.000
970	671/ 669/ 672	2	0.021684	0.000
971	672/ 669/ 673	2	0.021684	0.000
972	673/ 669/ 670	2	0.021684	0.000
973	674/ 671/ 675	2	0.021684	0.000
974	675/ 671/ 672	2	0.021684	0.000
975	675/ 672/ 673	2	0.021684	0.000
976	675/ 673/ 676	2	0.021684	0.000
977	677/ 674/ 675	1	0.017316	0.000
978	677/ 675/ 678	1	0.013819	0.000
979	678/ 675/ 679	1	0.013986	0.000
980	679/ 675/ 676	1	0.017316	0.000
981	680/ 677/ 681	1	0.013861	0.000
982	681/ 677/ 678	1	0.013861	0.000
983	681/ 678/ 679	1	0.014028	0.000
984	681/ 679/ 682	1	0.013861	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
985	683/ 680/ 681	1	0.013819	0.000
986	683/ 681/ 684	1	0.013986	0.000
987	684/ 681/ 685	1	0.013819	0.000
988	685/ 681/ 682	1	0.013819	0.000
989	686/ 683/ 687	1	0.013986	0.000
990	687/ 683/ 684	1	0.013986	0.000
991	687/ 684/ 685	1	0.013819	0.000
992	687/ 685/ 688	1	0.013819	0.000
993	689/ 686/ 687	1	0.014028	0.000
994	689/ 687/ 690	1	0.013861	0.000
995	690/ 687/ 691	1	0.014028	0.000
996	691/ 687/ 688	1	0.013861	0.000
997	692/ 689/ 693	1	0.013819	0.000
998	693/ 689/ 690	1	0.013819	0.000
999	693/ 690/ 691	1	0.013986	0.000
1000	693/ 691/ 694	1	0.013986	0.000

* NODAL DISPLACEMENTS *

SEQ #	TYPE	ELMT/ NODE	DIRECTION	DISPLACEMENT
NONE				

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
1	B	1	1	Y	-0.0868000
2	B	2	1	Y	-0.0868000
3	B	3	1	Y	-0.0868000
4	B	4	1	Y	-0.0868000
5	B	5	1	Y	-0.0868000
6	B	6	1	Y	-0.0868000
7	B	7	1	Y	-0.0868000
8	B	8	1	Y	-0.0868000
9	B	9	1	Y	-0.0868000
10	B	10	1	Y	-0.0868000
11	B	11	1	Y	-0.0868000
12	B	12	1	Y	-0.0868000
13	B	13	1	Y	-0.0868000
14	B	14	1	Y	-0.0868000
15	B	15	1	Y	-0.0868000
16	B	16	1	Y	-0.0868000
17	B	17	1	Y	-0.0868000
18	B	18	1	Y	-0.0868000
19	B	19	1	Y	-0.0868000
20	B	20	1	Y	-0.0868000
21	B	21	1	Y	-0.0868000
22	B	22	1	Y	-0.0868000
23	B	23	1	Y	-0.0868000
24	B	24	1	Y	-0.0868000
25	B	25	1	Y	-0.0868000
26	B	26	1	Y	-0.0868000
27	B	27	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
28	B	28	1	Y	-0.0868000
29	B	29	1	Y	-0.0868000
30	B	30	1	Y	-0.0868000
31	B	31	1	Y	-0.0868000
32	B	32	1	Y	-0.0868000
33	B	33	1	Y	-0.0868000
34	B	34	1	Y	-0.0868000
35	B	35	1	Y	-0.0868000
36	B	36	1	Y	-0.0868000
37	B	37	1	Y	-0.0868000
38	B	38	1	Y	-0.0868000
39	B	39	1	Y	-0.0868000
40	B	40	1	Y	-0.0868000
41	B	41	1	Y	-0.0868000
42	B	42	1	Y	-0.0868000
43	B	43	1	Y	-0.0868000
44	B	44	1	Y	-0.0868000
45	B	45	1	Y	-0.0868000
46	B	46	1	Y	-0.0868000
47	B	47	1	Y	-0.0868000
48	B	48	1	Y	-0.0868000
49	B	49	1	Y	-0.0868000
50	B	50	1	Y	-0.0868000
51	B	51	1	Y	-0.0868000
52	B	52	1	Y	-0.0868000
53	B	53	1	Y	-0.0868000
54	B	54	1	Y	-0.0868000
55	B	55	1	Y	-0.0868000
56	B	56	1	Y	-0.0868000
57	B	57	1	Y	-0.0868000
58	B	58	1	Y	-0.0868000
59	B	59	1	Y	-0.0868000
60	B	60	1	Y	-0.0868000
61	B	61	1	Y	-0.0868000
62	B	62	1	Y	-0.0868000
63	B	63	1	Y	-0.0868000
64	B	64	1	Y	-0.0868000
65	B	65	1	Y	-0.0868000
66	B	66	1	Y	-0.0868000
67	B	67	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
68	B	68	1	Y	-0.0868000
69	B	69	1	Y	-0.0868000
70	B	70	1	Y	-0.0868000
71	B	71	1	Y	-0.0868000
72	B	72	1	Y	-0.0868000
73	B	73	1	Y	-0.0868000
74	B	74	1	Y	-0.0868000
75	B	75	1	Y	-0.0868000
76	B	76	1	Y	-0.0868000
77	B	77	1	Y	-0.0868000
78	B	78	1	Y	-0.0868000
79	B	79	1	Y	-0.0868000
80	B	80	1	Y	-0.0868000
81	B	81	1	Y	-0.0868000
82	B	82	1	Y	-0.0868000
83	B	83	1	Y	-0.0868000
84	B	84	1	Y	-0.0868000
85	B	85	1	Y	-0.0868000
86	B	86	1	Y	-0.0868000
87	B	87	1	Y	-0.0868000
88	B	88	1	Y	-0.0868000
89	B	89	1	Y	-0.0868000
90	B	90	1	Y	-0.0868000
91	B	91	1	Y	-0.0868000
92	B	92	1	Y	-0.0868000
93	B	93	1	Y	-0.0868000
94	B	94	1	Y	-0.0868000
95	B	95	1	Y	-0.0868000
96	B	96	1	Y	-0.0868000
97	B	97	1	Y	-0.0868000
98	B	98	1	Y	-0.0868000
99	B	99	1	Y	-0.0868000
100	B	100	1	Y	-0.0868000
101	B	101	1	Y	-0.0868000
102	B	102	1	Y	-0.0868000
103	B	103	1	Y	-0.0868000
104	B	104	1	Y	-0.0868000
105	B	105	1	Y	-0.0868000
106	B	106	1	Y	-0.0868000
107	B	107	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
108	B	108	1	Y	-0.0868000
109	B	109	1	Y	-0.0868000
110	B	110	1	Y	-0.0868000
111	B	111	1	Y	-0.0868000
112	B	112	1	Y	-0.0868000
113	B	113	1	Y	-0.0868000
114	B	114	1	Y	-0.0868000
115	B	115	1	Y	-0.0868000
116	B	116	1	Y	-0.0868000
117	B	117	1	Y	-0.0868000
118	B	118	1	Y	-0.0868000
119	B	119	1	Y	-0.0868000
120	B	120	1	Y	-0.0868000
121	B	121	1	Y	-0.0868000
122	B	122	1	Y	-0.0868000
123	B	123	1	Y	-0.0868000
124	B	124	1	Y	-0.0868000
125	B	125	1	Y	-0.0868000
126	B	126	1	Y	-0.0868000
127	B	127	1	Y	-0.0868000
128	B	128	1	Y	-0.0868000
129	B	129	1	Y	-0.0868000
130	B	130	1	Y	-0.0868000
131	B	131	1	Y	-0.0868000
132	B	132	1	Y	-0.0868000
133	B	133	1	Y	-0.0868000
134	B	134	1	Y	-0.0868000
135	B	135	1	Y	-0.0868000
136	B	136	1	Y	-0.0868000
137	B	137	1	Y	-0.0868000
138	B	138	1	Y	-0.0868000
139	B	139	1	Y	-0.0868000
140	B	140	1	Y	-0.0868000
141	B	141	1	Y	-0.0868000
142	B	142	1	Y	-0.0868000
143	B	143	1	Y	-0.0868000
144	B	144	1	Y	-0.0868000
145	B	145	1	Y	-0.0868000
146	B	146	1	Y	-0.0868000
147	B	147	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
148	B	148	1	Y	-0.0868000
149	B	149	1	Y	-0.0868000
150	B	150	1	Y	-0.0868000
151	B	151	1	Y	-0.0868000
152	B	152	1	Y	-0.0868000
153	B	153	1	Y	-0.0868000
154	B	154	1	Y	-0.0868000
155	B	155	1	Y	-0.0868000
156	B	156	1	Y	-0.0868000
157	B	157	1	Y	-0.0868000
158	B	158	1	Y	-0.0868000
159	B	159	1	Y	-0.0868000
160	B	160	1	Y	-0.0868000
161	B	161	1	Y	-0.0868000
162	B	162	1	Y	-0.0868000
163	B	163	1	Y	-0.0868000
164	B	164	1	Y	-0.0868000
165	B	165	1	Y	-0.0868000
166	B	166	1	Y	-0.0868000
167	B	167	1	Y	-0.0868000
168	B	168	1	Y	-0.0868000
169	B	169	1	Y	-0.0868000
170	B	170	1	Y	-0.0868000
171	B	171	1	Y	-0.0868000
172	B	172	1	Y	-0.0868000
173	B	173	1	Y	-0.0868000
174	B	174	1	Y	-0.0868000
175	B	175	1	Y	-0.0868000
176	B	176	1	Y	-0.0868000
177	B	177	1	Y	-0.0868000
178	B	178	1	Y	-0.0868000
179	B	179	1	Y	-0.0868000
180	B	180	1	Y	-0.0868000
181	B	181	1	Y	-0.0868000
182	B	182	1	Y	-0.0868000
183	B	183	1	Y	-0.0868000
184	B	184	1	Y	-0.0868000
185	B	185	1	Y	-0.0868000
186	B	186	1	Y	-0.0868000
187	B	187	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
188	B	188	1	Y	-0.0868000
189	B	189	1	Y	-0.0868000
190	B	190	1	Y	-0.0868000
191	B	191	1	Y	-0.0868000
192	B	192	1	Y	-0.0868000
193	B	193	1	Y	-0.0868000
194	B	194	1	Y	-0.0868000
195	B	195	1	Y	-0.0868000
196	B	196	1	Y	-0.0868000
197	B	197	1	Y	-0.0868000
198	B	198	1	Y	-0.0868000
199	B	199	1	Y	-0.0868000
200	B	200	1	Y	-0.0868000
201	B	201	1	Y	-0.0868000
202	B	202	1	Y	-0.0868000
203	B	203	1	Y	-0.0868000
204	B	204	1	Y	-0.0868000
205	B	205	1	Y	-0.0868000
206	B	206	1	Y	-0.0868000
207	B	207	1	Y	-0.0868000
208	B	208	1	Y	-0.0868000
209	B	209	1	Y	-0.0868000
210	B	210	1	Y	-0.0868000
211	B	211	1	Y	-0.0868000
212	B	212	1	Y	-0.0868000
213	B	213	1	Y	-0.0868000
214	B	214	1	Y	-0.0868000
215	B	215	1	Y	-0.0868000
216	B	216	1	Y	-0.0868000
217	B	217	1	Y	-0.0868000
218	B	218	1	Y	-0.0868000
219	B	219	1	Y	-0.0868000
220	B	220	1	Y	-0.0868000
221	B	221	1	Y	-0.0868000
222	B	222	1	Y	-0.0868000
223	B	223	1	Y	-0.0868000
224	B	224	1	Y	-0.0868000
225	B	225	1	Y	-0.0868000
226	B	226	1	Y	-0.0868000
227	B	227	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
228	B	228	1	Y	-0.0868000
229	B	229	1	Y	-0.0868000
230	B	230	1	Y	-0.0868000
231	B	231	1	Y	-0.0868000
232	B	232	1	Y	-0.0868000
233	B	233	1	Y	-0.0868000
234	B	234	1	Y	-0.0868000
235	B	235	1	Y	-0.0868000
236	B	236	1	Y	-0.0868000
237	B	237	1	Y	-0.0868000
238	B	238	1	Y	-0.0868000
239	B	239	1	Y	-0.0868000
240	B	240	1	Y	-0.0868000
241	B	241	1	Y	-0.0868000
242	B	242	1	Y	-0.0868000
243	B	243	1	Y	-0.0868000
244	B	244	1	Y	-0.0868000
245	B	245	1	Y	-0.0868000
246	B	246	1	Y	-0.0868000
247	B	247	1	Y	-0.0868000
248	B	248	1	Y	-0.0868000
249	B	249	1	Y	-0.0868000
250	B	250	1	Y	-0.0868000
251	B	251	1	Y	-0.0868000
252	B	252	1	Y	-0.0868000
253	B	253	1	Y	-0.0868000
254	B	254	1	Y	-0.0868000
255	B	255	1	Y	-0.0868000
256	B	256	1	Y	-0.0868000
257	B	257	1	Y	-0.0868000
258	B	258	1	Y	-0.0868000
259	B	259	1	Y	-0.0868000
260	B	260	1	Y	-0.0868000
261	B	261	1	Y	-0.0868000
262	B	262	1	Y	-0.0868000
263	B	263	1	Y	-0.0868000
264	B	264	1	Y	-0.0868000
265	B	265	1	Y	-0.0868000
266	B	266	1	Y	-0.0868000
267	B	267	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
268	B	268	1	Y	-0.0868000
269	B	269	1	Y	-0.0868000
270	B	270	1	Y	-0.0868000
271	B	271	1	Y	-0.0868000
272	B	272	1	Y	-0.0868000
273	B	273	1	Y	-0.0868000
274	B	274	1	Y	-0.0868000
275	B	275	1	Y	-0.0868000
276	B	276	1	Y	-0.0868000
277	B	277	1	Y	-0.0868000
278	B	278	1	Y	-0.0868000
279	B	279	1	Y	-0.0868000
280	B	280	1	Y	-0.0868000
281	B	281	1	Y	-0.0868000
282	B	282	1	Y	-0.0868000
283	B	283	1	Y	-0.0868000
284	B	284	1	Y	-0.0868000
285	B	285	1	Y	-0.0868000
286	B	286	1	Y	-0.0868000
287	B	287	1	Y	-0.0868000
288	B	288	1	Y	-0.0868000
289	B	289	1	Y	-0.0868000
290	B	290	1	Y	-0.0868000
291	B	291	1	Y	-0.0868000
292	B	292	1	Y	-0.0868000
293	B	293	1	Y	-0.0868000
294	B	294	1	Y	-0.0868000
295	B	295	1	Y	-0.0868000
296	B	296	1	Y	-0.0868000
297	B	297	1	Y	-0.0868000
298	B	298	1	Y	-0.0868000
299	B	299	1	Y	-0.0868000
300	B	300	1	Y	-0.0868000
301	B	301	1	Y	-0.0868000
302	B	302	1	Y	-0.0868000
303	B	303	1	Y	-0.0868000
304	B	304	1	Y	-0.0868000
305	B	305	1	Y	-0.0868000
306	B	306	1	Y	-0.0868000
307	B	307	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
308	B	308	1	Y	-0.0868000
309	B	309	1	Y	-0.0868000
310	B	310	1	Y	-0.0868000
311	B	311	1	Y	-0.0868000
312	B	312	1	Y	-0.0868000
313	B	313	1	Y	-0.0868000
314	B	314	1	Y	-0.0868000
315	B	315	1	Y	-0.0868000
316	B	316	1	Y	-0.0868000
317	B	317	1	Y	-0.0868000
318	B	318	1	Y	-0.0868000
319	B	319	1	Y	-0.0868000
320	B	320	1	Y	-0.0868000
321	B	321	1	Y	-0.0868000
322	B	322	1	Y	-0.0868000
323	B	323	1	Y	-0.0868000
324	B	324	1	Y	-0.0868000
325	B	325	1	Y	-0.0868000
326	B	326	1	Y	-0.0868000
327	B	327	1	Y	-0.0868000
328	B	328	1	Y	-0.0868000
329	B	329	1	Y	-0.0868000
330	B	330	1	Y	-0.0868000
331	B	331	1	Y	-0.0868000
332	B	332	1	Y	-0.0868000
333	B	333	1	Y	-0.0868000
334	B	334	1	Y	-0.0868000
335	B	335	1	Y	-0.0868000
336	B	336	1	Y	-0.0868000
337	B	337	1	Y	-0.0868000
338	B	338	1	Y	-0.0868000
339	B	339	1	Y	-0.0868000
340	B	340	1	Y	-0.0868000
341	B	341	1	Y	-0.0868000
342	B	342	1	Y	-0.0868000
343	B	343	1	Y	-0.0868000
344	B	344	1	Y	-0.0868000
345	B	345	1	Y	-0.0868000
346	B	346	1	Y	-0.0868000
347	B	347	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
348	B	348	1	Y	-0.0868000
349	B	349	1	Y	-0.0868000
350	B	350	1	Y	-0.0868000
351	B	351	1	Y	-0.0868000
352	B	352	1	Y	-0.0868000
353	B	353	1	Y	-0.0868000
354	B	354	1	Y	-0.0868000
355	B	355	1	Y	-0.0868000
356	B	356	1	Y	-0.0868000
357	B	357	1	Y	-0.0868000
358	B	358	1	Y	-0.0868000
359	B	359	1	Y	-0.0868000
360	B	360	1	Y	-0.0868000
361	B	361	1	Y	-0.0868000
362	B	362	1	Y	-0.0868000
363	B	363	1	Y	-0.0868000
364	B	364	1	Y	-0.0868000
365	B	365	1	Y	-0.0868000
366	B	366	1	Y	-0.0868000
367	B	367	1	Y	-0.0868000
368	B	368	1	Y	-0.0868000
369	B	369	1	Y	-0.0868000
370	B	370	1	Y	-0.0868000
371	B	371	1	Y	-0.0868000
372	B	372	1	Y	-0.0868000
373	B	373	1	Y	-0.0868000
374	B	374	1	Y	-0.0868000
375	B	375	1	Y	-0.0868000
376	B	376	1	Y	-0.0868000
377	B	377	1	Y	-0.0868000
378	B	378	1	Y	-0.0868000
379	B	379	1	Y	-0.0868000
380	B	380	1	Y	-0.0868000
381	B	381	1	Y	-0.0868000
382	B	382	1	Y	-0.0868000
383	B	383	1	Y	-0.0868000
384	B	384	1	Y	-0.0868000
385	B	385	1	Y	-0.0868000
386	B	386	1	Y	-0.0868000
387	B	387	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
388	B	388	1	Y	-0.0868000
389	B	389	1	Y	-0.0868000
390	B	390	1	Y	-0.0868000
391	B	391	1	Y	-0.0868000
392	B	392	1	Y	-0.0868000
393	B	393	1	Y	-0.0868000
394	B	394	1	Y	-0.0868000
395	B	395	1	Y	-0.0868000
396	B	396	1	Y	-0.0868000
397	B	397	1	Y	-0.0868000
398	B	398	1	Y	-0.0868000
399	B	399	1	Y	-0.0868000
400	B	400	1	Y	-0.0868000
401	B	401	1	Y	-0.0868000
402	B	402	1	Y	-0.0868000
403	B	403	1	Y	-0.0868000
404	B	404	1	Y	-0.0868000
405	B	405	1	Y	-0.0868000
406	B	406	1	Y	-0.0868000
407	B	407	1	Y	-0.0868000
408	B	408	1	Y	-0.0868000
409	B	409	1	Y	-0.0868000
410	B	410	1	Y	-0.0868000
411	B	411	1	Y	-0.0868000
412	B	412	1	Y	-0.0868000
413	B	413	1	Y	-0.0868000
414	B	414	1	Y	-0.0868000
415	B	415	1	Y	-0.0868000
416	B	416	1	Y	-0.0868000
417	B	417	1	Y	-0.0868000
418	B	418	1	Y	-0.0868000
419	B	419	1	Y	-0.0868000
420	B	420	1	Y	-0.0868000
421	B	421	1	Y	-0.0868000
422	B	422	1	Y	-0.0868000
423	B	423	1	Y	-0.0868000
424	B	424	1	Y	-0.0868000
425	B	425	1	Y	-0.0868000
426	B	426	1	Y	-0.0868000
427	B	427	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
428	B	428	1	Y	-0.0868000
429	B	429	1	Y	-0.0868000
430	B	430	1	Y	-0.0868000
431	B	431	1	Y	-0.0868000
432	B	432	1	Y	-0.0868000
433	B	433	1	Y	-0.0868000
434	B	434	1	Y	-0.0868000
[illegible]	B	435	1	Y	-0.0868000
[illegible]	B	436	1	Y	-0.0868000
37	B	437	1	Y	-0.0868000
438	B	438	1	Y	-0.0868000
439	B	439	1	Y	-0.0868000
440	B	440	1	Y	-0.0868000
441	B	441	1	Y	-0.0868000
442	B	442	1	Y	-0.0868000
443	B	443	1	Y	-0.0868000
444	B	444	1	Y	-0.0868000
445	B	445	1	Y	-0.0868000
446	B	446	1	Y	-0.0868000
447	B	447	1	Y	-0.0868000
448	B	448	1	Y	-0.0868000
449	B	449	1	Y	-0.0868000
450	B	450	1	Y	-0.0868000
451	B	451	1	Y	-0.0868000
452	B	452	1	Y	-0.0868000
453	B	453	1	Y	-0.0868000
454	B	454	1	Y	-0.0868000
455	B	455	1	Y	-0.0868000
456	B	456	1	Y	-0.0868000
457	B	457	1	Y	-0.0868000
458	B	458	1	Y	-0.0868000
459	B	459	1	Y	-0.0868000
460	B	460	1	Y	-0.0868000
461	B	461	1	Y	-0.0868000
462	B	462	1	Y	-0.0868000
463	B	463	1	Y	-0.0868000
464	B	464	1	Y	-0.0868000
465	B	465	1	Y	-0.0868000
466	B	466	1	Y	-0.0868000
467	B	467	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
468	B	468	1	Y	-0.0868000
469	B	469	1	Y	-0.0868000
470	B	470	1	Y	-0.0868000
471	B	471	1	Y	-0.0868000
472	B	472	1	Y	-0.0868000
473	B	473	1	Y	-0.0868000
474	B	474	1	Y	-0.0868000
475	B	475	1	Y	-0.0868000
476	B	476	1	Y	-0.0868000
477	B	477	1	Y	-0.0868000
478	B	478	1	Y	-0.0868000
479	B	479	1	Y	-0.0868000
480	B	480	1	Y	-0.0868000
481	B	481	1	Y	-0.0868000
482	B	482	1	Y	-0.0868000
483	B	483	1	Y	-0.0868000
484	B	484	1	Y	-0.0868000
485	B	485	1	Y	-0.0868000
486	B	486	1	Y	-0.0868000
487	B	487	1	Y	-0.0868000
488	B	488	1	Y	-0.0868000
489	B	489	1	Y	-0.0868000
490	B	490	1	Y	-0.0868000
491	B	491	1	Y	-0.0868000
492	B	492	1	Y	-0.0868000
493	B	493	1	Y	-0.0868000
494	B	494	1	Y	-0.0868000
495	B	495	1	Y	-0.0868000
496	B	496	1	Y	-0.0868000
497	B	497	1	Y	-0.0868000
498	B	498	1	Y	-0.0868000
499	B	499	1	Y	-0.0868000
500	B	500	1	Y	-0.0868000
501	B	501	1	Y	-0.0868000
502	B	502	1	Y	-0.0868000
503	B	503	1	Y	-0.0868000
504	B	504	1	Y	-0.0868000
505	B	505	1	Y	-0.0868000
506	B	506	1	Y	-0.0868000
507	B	507	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
508	B	508	1	Y	-0.0868000
509	B	509	1	Y	-0.0868000
510	B	510	1	Y	-0.0868000
511	B	511	1	Y	-0.0868000
512	B	512	1	Y	-0.0868000
513	B	513	1	Y	-0.0868000
514	B	514	1	Y	-0.0868000
515	B	515	1	Y	-0.0868000
516	B	516	1	Y	-0.0868000
517	B	517	1	Y	-0.0868000
518	B	518	1	Y	-0.0868000
519	B	519	1	Y	-0.0868000
520	B	520	1	Y	-0.0868000
521	B	521	1	Y	-0.0868000
522	B	522	1	Y	-0.0868000
523	B	523	1	Y	-0.0868000
524	B	524	1	Y	-0.0868000
525	B	525	1	Y	-0.0868000
526	B	526	1	Y	-0.0868000
527	B	527	1	Y	-0.0868000
528	B	528	1	Y	-0.0868000
529	B	529	1	Y	-0.0868000
530	B	530	1	Y	-0.0868000
531	B	531	1	Y	-0.0868000
532	B	532	1	Y	-0.0868000
533	B	533	1	Y	-0.0868000
534	B	534	1	Y	-0.0868000
535	B	535	1	Y	-0.0868000
536	B	536	1	Y	-0.0868000
537	B	537	1	Y	-0.0868000
538	B	538	1	Y	-0.0868000
539	B	539	1	Y	-0.0868000
540	B	540	1	Y	-0.0868000
541	B	541	1	Y	-0.0868000
542	B	542	1	Y	-0.0868000
543	B	543	1	Y	-0.0868000
544	B	544	1	Y	-0.0868000
545	B	545	1	Y	-0.0868000
546	B	546	1	Y	-0.0868000
547	B	547	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
548	B	548	1	Y	-0.0868000
549	B	549	1	Y	-0.0868000
550	B	550	1	Y	-0.0868000
551	B	551	1	Y	-0.0868000
552	B	552	1	Y	-0.0868000
553	B	553	1	Y	-0.0868000
554	B	554	1	Y	-0.0868000
555	B	555	1	Y	-0.0868000
556	B	556	1	Y	-0.0868000
557	B	557	1	Y	-0.0868000
558	B	558	1	Y	-0.0868000
559	B	559	1	Y	-0.0868000
560	B	560	1	Y	-0.0868000
561	B	561	1	Y	-0.0868000
562	B	562	1	Y	-0.0868000
563	B	563	1	Y	-0.0868000
564	B	564	1	Y	-0.0868000
565	B	565	1	Y	-0.0868000
566	B	566	1	Y	-0.0868000
567	B	567	1	Y	-0.0868000
568	B	568	1	Y	-0.0868000
569	B	569	1	Y	-0.0868000
570	B	570	1	Y	-0.0868000
571	B	571	1	Y	-0.0868000
572	B	572	1	Y	-0.0868000
573	B	573	1	Y	-0.0868000
574	B	574	1	Y	-0.0868000
575	B	575	1	Y	-0.0868000
576	B	576	1	Y	-0.0868000
577	B	577	1	Y	-0.0868000
578	B	578	1	Y	-0.0868000
579	B	579	1	Y	-0.0868000
580	B	580	1	Y	-0.0868000
581	B	581	1	Y	-0.0868000
582	B	582	1	Y	-0.0868000
583	B	583	1	Y	-0.0868000
584	B	584	1	Y	-0.0868000
585	B	585	1	Y	-0.0868000
586	B	586	1	Y	-0.0868000
587	B	587	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
588	B	588	1	Y	-0.0868000
589	B	589	1	Y	-0.0868000
590	B	590	1	Y	-0.0868000
591	B	591	1	Y	-0.0868000
592	B	592	1	Y	-0.0868000
593	B	593	1	Y	-0.0868000
594	B	594	1	Y	-0.0868000
595	B	595	1	Y	-0.0868000
596	B	596	1	Y	-0.0868000
597	B	597	1	Y	-0.0868000
598	B	598	1	Y	-0.0868000
599	B	599	1	Y	-0.0868000
600	B	600	1	Y	-0.0868000
601	B	601	1	Y	-0.0868000
602	B	602	1	Y	-0.0868000
603	B	603	1	Y	-0.0868000
604	B	604	1	Y	-0.0868000
605	B	605	1	Y	-0.0868000
606	B	606	1	Y	-0.0868000
607	B	607	1	Y	-0.0868000
608	B	608	1	Y	-0.0868000
609	B	609	1	Y	-0.0868000
610	B	610	1	Y	-0.0868000
611	B	611	1	Y	-0.0868000
612	B	612	1	Y	-0.0868000
613	B	613	1	Y	-0.0868000
614	B	614	1	Y	-0.0868000
615	B	615	1	Y	-0.0868000
616	B	616	1	Y	-0.0868000
617	B	617	1	Y	-0.0868000
618	B	618	1	Y	-0.0868000
619	B	619	1	Y	-0.0868000
620	B	620	1	Y	-0.0868000
621	B	621	1	Y	-0.0868000
622	B	622	1	Y	-0.0868000
623	B	623	1	Y	-0.0868000
624	B	624	1	Y	-0.0868000
625	B	625	1	Y	-0.0868000
626	B	626	1	Y	-0.0868000
627	B	627	1	Y	-0.0868000

MICAS REV 3.4 FINITE ELEMENT ANALYSIS 11/14/88 08:41:
ANALYSIS NO. 13 AXI-SYMETRIC PAGE

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
628	B	628	1	Y	-0.0868000
629	B	629	1	Y	-0.0868000
630	B	630	1	Y	-0.0868000
631	B	631	1	Y	-0.0868000
632	B	632	1	Y	-0.0868000
633	B	633	1	Y	-0.0868000
634	B	634	1	Y	-0.0868000
635	B	635	1	Y	-0.0868000
636	B	636	1	Y	-0.0868000
637	B	637	1	Y	-0.0868000
638	B	638	1	Y	-0.0868000
639	B	639	1	Y	-0.0868000
640	B	640	1	Y	-0.0868000
641	B	641	1	Y	-0.0868000
642	B	642	1	Y	-0.0868000
643	B	643	1	Y	-0.0868000
644	B	644	1	Y	-0.0868000
645	B	645	1	Y	-0.0868000
646	B	646	1	Y	-0.0868000
647	B	647	1	Y	-0.0868000
648	B	648	1	Y	-0.0868000
649	B	649	1	Y	-0.0868000
650	B	650	1	Y	-0.0868000
651	B	651	1	Y	-0.0868000
652	B	652	1	Y	-0.0868000
653	B	653	1	Y	-0.0868000
654	B	654	1	Y	-0.0868000
655	B	655	1	Y	-0.0868000
656	B	656	1	Y	-0.0868000
657	B	657	1	Y	-0.0868000
658	B	658	1	Y	-0.0868000
659	B	659	1	Y	-0.0868000
660	B	660	1	Y	-0.0868000
661	B	661	1	Y	-0.0868000
662	B	662	1	Y	-0.0868000
663	B	663	1	Y	-0.0868000
664	B	664	1	Y	-0.0868000
665	B	665	1	Y	-0.0868000
666	B	666	1	Y	-0.0868000
667	B	667	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
668	B	668	1	Y	-0.0868000
669	B	669	1	Y	-0.0868000
670	B	670	1	Y	-0.0868000
671	B	671	1	Y	-0.0868000
672	B	672	1	Y	-0.0868000
673	B	673	1	Y	-0.0868000
674	B	674	1	Y	-0.0868000
675	B	675	1	Y	-0.0868000
676	B	676	1	Y	-0.0868000
677	B	677	1	Y	-0.0868000
678	B	678	1	Y	-0.0868000
679	B	679	1	Y	-0.0868000
680	B	680	1	Y	-0.0868000
681	B	681	1	Y	-0.0868000
682	B	682	1	Y	-0.0868000
683	B	683	1	Y	-0.0868000
684	B	684	1	Y	-0.0868000
685	B	685	1	Y	-0.0868000
686	B	686	1	Y	-0.0868000
687	B	687	1	Y	-0.0868000
688	B	688	1	Y	-0.0868000
689	B	689	1	Y	-0.0868000
690	B	690	1	Y	-0.0868000
691	B	691	1	Y	-0.0868000
692	B	692	1	Y	-0.0868000
693	B	693	1	Y	-0.0868000
694	B	694	1	Y	-0.0868000
695	B	695	1	Y	-0.0868000
696	B	696	1	Y	-0.0868000
697	B	697	1	Y	-0.0868000
698	B	698	1	Y	-0.0868000
699	B	699	1	Y	-0.0868000
700	B	700	1	Y	-0.0868000
701	B	701	1	Y	-0.0868000
702	B	702	1	Y	-0.0868000
703	B	703	1	Y	-0.0868000
704	B	704	1	Y	-0.0868000
705	B	705	1	Y	-0.0868000
706	B	706	1	Y	-0.0868000
707	B	707	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
708	B	708	1	Y	-0.0868000
709	B	709	1	Y	-0.0868000
710	B	710	1	Y	-0.0868000
711	B	711	1	Y	-0.0868000
712	B	712	1	Y	-0.0868000
713	B	713	1	Y	-0.0868000
714	B	714	1	Y	-0.0868000
715	B	715	1	Y	-0.0868000
716	B	716	1	Y	-0.0868000
717	B	717	1	Y	-0.0868000
718	B	718	1	Y	-0.0868000
719	B	719	1	Y	-0.0868000
720	B	720	1	Y	-0.0868000
721	B	721	1	Y	-0.0868000
722	B	722	1	Y	-0.0868000
723	B	723	1	Y	-0.0868000
724	B	724	1	Y	-0.0868000
725	B	725	1	Y	-0.0868000
726	B	726	1	Y	-0.0868000
727	B	727	1	Y	-0.0868000
728	B	728	1	Y	-0.0868000
729	B	729	1	Y	-0.0868000
730	B	730	1	Y	-0.0868000
731	B	731	1	Y	-0.0868000
732	B	732	1	Y	-0.0868000
733	B	733	1	Y	-0.0868000
734	B	734	1	Y	-0.0868000
735	B	735	1	Y	-0.0868000
736	B	736	1	Y	-0.0868000
737	B	737	1	Y	-0.0868000
738	B	738	1	Y	-0.0868000
739	B	739	1	Y	-0.0868000
740	B	740	1	Y	-0.0868000
741	B	741	1	Y	-0.0868000
742	B	742	1	Y	-0.0868000
743	B	743	1	Y	-0.0868000
744	B	744	1	Y	-0.0868000
745	B	745	1	Y	-0.0868000
746	B	746	1	Y	-0.0868000
747	B	747	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
748	B	748	1	Y	-0.0868000
749	B	749	1	Y	-0.0868000
750	B	750	1	Y	-0.0868000
751	B	751	1	Y	-0.0868000
752	B	752	1	Y	-0.0868000
753	B	753	1	Y	-0.0868000
754	B	754	1	Y	-0.0868000
755	B	755	1	Y	-0.0868000
756	B	756	1	Y	-0.0868000
757	B	757	1	Y	-0.0868000
758	B	758	1	Y	-0.0868000
759	B	759	1	Y	-0.0868000
760	B	760	1	Y	-0.0868000
761	B	761	1	Y	-0.0868000
762	B	762	1	Y	-0.0868000
763	B	763	1	Y	-0.0868000
764	B	764	1	Y	-0.0868000
765	B	765	1	Y	-0.0868000
766	B	766	1	Y	-0.0868000
767	B	767	1	Y	-0.0868000
768	B	768	1	Y	-0.0868000
769	B	769	1	Y	-0.0868000
770	B	770	1	Y	-0.0868000
771	B	771	1	Y	-0.0868000
772	B	772	1	Y	-0.0868000
773	B	773	1	Y	-0.0868000
774	B	774	1	Y	-0.0868000
775	B	775	1	Y	-0.0868000
776	B	776	1	Y	-0.0868000
777	B	777	1	Y	-0.0868000
778	B	778	1	Y	-0.0868000
779	B	779	1	Y	-0.0868000
780	B	780	1	Y	-0.0868000
781	B	781	1	Y	-0.0868000
782	B	782	1	Y	-0.0868000
783	B	783	1	Y	-0.0868000
784	B	784	1	Y	-0.0868000
785	B	785	1	Y	-0.0868000
786	B	786	1	Y	-0.0868000
787	B	787	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
788	B	788	1	Y	-0.0868000
789	B	789	1	Y	-0.0868000
790	B	790	1	Y	-0.0868000
791	B	791	1	Y	-0.0868000
792	B	792	1	Y	-0.0868000
793	B	793	1	Y	-0.0868000
794	B	794	1	Y	-0.0868000
795	B	795	1	Y	-0.0868000
796	B	796	1	Y	-0.0868000
797	B	797	1	Y	-0.0868000
798	B	798	1	Y	-0.0868000
799	B	799	1	Y	-0.0868000
800	B	800	1	Y	-0.0868000
801	B	801	1	Y	-0.0868000
802	B	802	1	Y	-0.0868000
803	B	803	1	Y	-0.0868000
804	B	804	1	Y	-0.0868000
805	B	805	1	Y	-0.0868000
806	B	806	1	Y	-0.0868000
807	B	807	1	Y	-0.0868000
808	B	808	1	Y	-0.0868000
809	B	809	1	Y	-0.0868000
810	B	810	1	Y	-0.0868000
811	B	811	1	Y	-0.0868000
812	B	812	1	Y	-0.0868000
813	B	813	1	Y	-0.0868000
814	B	814	1	Y	-0.0868000
815	B	815	1	Y	-0.0868000
816	B	816	1	Y	-0.0868000
817	B	817	1	Y	-0.0868000
818	B	818	1	Y	-0.0868000
819	B	819	1	Y	-0.0868000
820	B	820	1	Y	-0.0868000
821	B	821	1	Y	-0.0868000
822	B	822	1	Y	-0.0868000
823	B	823	1	Y	-0.0868000
824	B	824	1	Y	-0.0868000
825	B	825	1	Y	-0.0868000
826	B	826	1	Y	-0.0868000
827	B	827	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
828	B	828	1	Y	-0.0868000
829	B	829	1	Y	-0.0868000
830	B	830	1	Y	-0.0868000
831	B	831	1	Y	-0.0868000
832	B	832	1	Y	-0.0868000
833	B	833	1	Y	-0.0868000
834	B	834	1	Y	-0.0868000
835	B	835	1	Y	-0.0868000
836	B	836	1	Y	-0.0868000
837	B	837	1	Y	-0.0868000
838	B	838	1	Y	-0.0868000
839	B	839	1	Y	-0.0868000
840	B	840	1	Y	-0.0868000
841	B	841	1	Y	-0.0868000
842	B	842	1	Y	-0.0868000
843	B	843	1	Y	-0.0868000
844	B	844	1	Y	-0.0868000
845	B	845	1	Y	-0.0868000
846	B	846	1	Y	-0.0868000
847	B	847	1	Y	-0.0868000
848	B	848	1	Y	-0.0868000
849	B	849	1	Y	-0.0868000
850	B	850	1	Y	-0.0868000
851	B	851	1	Y	-0.0868000
852	B	852	1	Y	-0.0868000
853	B	853	1	Y	-0.0868000
854	B	854	1	Y	-0.0868000
855	B	855	1	Y	-0.0868000
856	B	856	1	Y	-0.0868000
857	B	857	1	Y	-0.0868000
858	B	858	1	Y	-0.0868000
859	B	859	1	Y	-0.0868000
860	B	860	1	Y	-0.0868000
861	B	861	1	Y	-0.0868000
862	B	862	1	Y	-0.0868000
863	B	863	1	Y	-0.0868000
864	B	864	1	Y	-0.0868000
865	B	865	1	Y	-0.0868000
866	B	866	1	Y	-0.0868000
867	B	867	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
868	B	868	1	Y	-0.0868000
869	B	869	1	Y	-0.0868000
870	B	870	1	Y	-0.0868000
871	B	871	1	Y	-0.0868000
872	B	872	1	Y	-0.0868000
873	B	873	1	Y	-0.0868000
874	B	874	1	Y	-0.0868000
875	B	875	1	Y	-0.0868000
876	B	876	1	Y	-0.0868000
877	B	877	1	Y	-0.0868000
878	B	878	1	Y	-0.0868000
879	B	879	1	Y	-0.0868000
880	B	880	1	Y	-0.0868000
881	B	881	1	Y	-0.0868000
882	B	882	1	Y	-0.0868000
883	B	883	1	Y	-0.0868000
884	B	884	1	Y	-0.0868000
885	B	885	1	Y	-0.0868000
886	B	886	1	Y	-0.0868000
887	B	887	1	Y	-0.0868000
888	B	888	1	Y	-0.0868000
889	B	889	1	Y	-0.0868000
890	B	890	1	Y	-0.0868000
891	B	891	1	Y	-0.0868000
892	B	892	1	Y	-0.0868000
893	B	893	1	Y	-0.0868000
894	B	894	1	Y	-0.0868000
895	B	895	1	Y	-0.0868000
896	B	896	1	Y	-0.0868000
897	B	897	1	Y	-0.0868000
898	B	898	1	Y	-0.0868000
899	B	899	1	Y	-0.0868000
900	B	900	1	Y	-0.0868000
901	B	901	1	Y	-0.0868000
902	B	902	1	Y	-0.0868000
903	B	903	1	Y	-0.0868000
904	B	904	1	Y	-0.0868000
905	B	905	1	Y	-0.0868000
906	B	906	1	Y	-0.0868000
907	B	907	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
908	B	908	1	Y	-0.0868000
909	B	909	1	Y	-0.0868000
910	B	910	1	Y	-0.0868000
911	B	911	1	Y	-0.0868000
912	B	912	1	Y	-0.0868000
913	B	913	1	Y	-0.0868000
914	B	914	1	Y	-0.0868000
915	B	915	1	Y	-0.0868000
916	B	916	1	Y	-0.0868000
917	B	917	1	Y	-0.0868000
918	B	918	1	Y	-0.0868000
919	B	919	1	Y	-0.0868000
920	B	920	1	Y	-0.0868000
921	B	921	1	Y	-0.0868000
922	B	922	1	Y	-0.0868000
923	B	923	1	Y	-0.0868000
924	B	924	1	Y	-0.0868000
925	B	925	1	Y	-0.0868000
926	B	926	1	Y	-0.0868000
927	B	927	1	Y	-0.0868000
928	B	928	1	Y	-0.0868000
929	B	929	1	Y	-0.0868000
930	B	930	1	Y	-0.0868000
931	B	931	1	Y	-0.0868000
932	B	932	1	Y	-0.0868000
933	B	933	1	Y	-0.0868000
934	B	934	1	Y	-0.0868000
935	B	935	1	Y	-0.0868000
936	B	936	1	Y	-0.0868000
937	B	937	1	Y	-0.0868000
938	B	938	1	Y	-0.0868000
939	B	939	1	Y	-0.0868000
940	B	940	1	Y	-0.0868000
941	B	941	1	Y	-0.0868000
942	B	942	1	Y	-0.0868000
943	B	943	1	Y	-0.0868000
944	B	944	1	Y	-0.0868000
945	B	945	1	Y	-0.0868000
946	B	946	1	Y	-0.0868000
947	B	947	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
948	B	948	1	Y	-0.0868000
949	B	949	1	Y	-0.0868000
950	B	950	1	Y	-0.0868000
951	B	951	1	Y	-0.0868000
952	B	952	1	Y	-0.0868000
953	B	953	1	Y	-0.0868000
954	B	954	1	Y	-0.0868000
955	B	955	1	Y	-0.0868000
956	B	956	1	Y	-0.0868000
957	B	957	1	Y	-0.0868000
958	B	958	1	Y	-0.0868000
959	B	959	1	Y	-0.0868000
960	B	960	1	Y	-0.0868000
961	B	961	1	Y	-0.0868000
962	B	962	1	Y	-0.0868000
963	B	963	1	Y	-0.0868000
964	B	964	1	Y	-0.0868000
965	B	965	1	Y	-0.0868000
966	B	966	1	Y	-0.0868000
967	B	967	1	Y	-0.0868000
968	B	968	1	Y	-0.0868000
969	B	969	1	Y	-0.0868000
970	B	970	1	Y	-0.0868000
971	B	971	1	Y	-0.0868000
972	B	972	1	Y	-0.0868000
973	B	973	1	Y	-0.0868000
974	B	974	1	Y	-0.0868000
975	B	975	1	Y	-0.0868000
976	B	976	1	Y	-0.0868000
977	B	977	1	Y	-0.0868000
978	B	978	1	Y	-0.0868000
979	B	979	1	Y	-0.0868000
980	B	980	1	Y	-0.0868000
981	B	981	1	Y	-0.0868000
982	B	982	1	Y	-0.0868000
983	B	983	1	Y	-0.0868000
984	B	984	1	Y	-0.0868000
985	B	985	1	Y	-0.0868000
986	B	986	1	Y	-0.0868000
987	B	987	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
988	B	988	1	Y	-0.0868000
989	B	989	1	Y	-0.0868000
990	B	990	1	Y	-0.0868000
991	B	991	1	Y	-0.0868000
992	B	992	1	Y	-0.0868000
993	B	993	1	Y	-0.0868000
994	B	994	1	Y	-0.0868000
995	B	995	1	Y	-0.0868000
996	B	996	1	Y	-0.0868000
997	B	997	1	Y	-0.0868000
998	B	998	1	Y	-0.0868000
999	B	999	1	Y	-0.0868000
1000	B	1000	1	Y	-0.0868000
1001	N	261	1	X	-142,760.0000000
1002	N	266	1	X	-283,740.0000000
1003	N	271	1	X	-280,170.0000000
1004	N	276	1	X	-271,240.0000000
1005	N	281	1	X	-262,320.0000000
1006	N	286	1	X	-258,750.0000000
1007	N	291	1	X	-258,970.0000000
1008	N	296	1	X	-256,620.0000000
1009	N	301	1	X	-248,970.0000000
1010	N	306	1	X	-241,300.0000000
1011	N	311	1	X	-233,640.0000000
1012	N	316	1	X	-225,990.0000000
1013	N	321	1	X	-207,180.0000000
1014	N	326	1	X	-190,950.0000000
1015	N	331	1	X	-187,380.0000000
1016	N	336	1	X	-178,450.0000000
1017	N	341	1	X	-169,530.0000000
1018	N	346	1	X	-165,960.0000000
1019	N	351	1	X	-157,050.0000000
1020	N	356	1	X	-146,330.0000000
1021	N	361	1	X	-139,180.0000000
1022	N	366	1	X	-138,490.0000000
1023	N	371	1	X	-137,100.0000000
1024	N	376	1	X	-129,260.0000000
1025	N	381	1	X	-121,430.0000000
1026	N	386	1	X	-113,600.0000000
1027	N	391	1	X	-105,760.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
1028	N	396	1	X	-94,017.0000000
1029	N	401	1	X	-84,223.0000000
1030	N	406	1	X	-80,305.0000000
1031	N	411	1	X	-70,515.0000000
1032	N	416	1	X	-62,684.0000000
1033	N	421	1	X	-62,684.0000000
1034	N	426	1	X	-62,684.0000000
1035	N	431	1	X	-66,165.0000000
1036	N	436	1	X	-69,648.0000000
1037	N	441	1	X	-69,648.0000000
1038	N	446	1	X	-69,648.0000000
1039	N	451	1	X	-338,410.0000000
1040	N	456	1	X	-455,380.0000000
1041	N	461	1	X	-303,580.0000000
1042	N	466	1	X	-151,800.0000000
1043	N	259	1	Y	1,456,000.0000000
1044	N	229	1	Y	1,456,000.0000000
1045	N	260	1	Y	1,456,000.0000000
1046	N	463	1	Y	-1,456,000.0000000
1047	N	464	1	Y	-1,456,000.0000000
1048	N	465	1	Y	-1,456,000.0000000
1049	N	692	1	Y	-2.1800000
1050	N	689	1	Y	-17.4500000
1051	N	686	1	Y	-34.9100000
1052	N	683	1	Y	-52.3600000
1053	N	680	1	Y	-68.6100000
1054	N	677	1	Y	-76.3600000
1055	N	674	1	Y	-80.1100000
1056	N	671	1	Y	-118.6300000
1057	N	668	1	Y	-139.0000000
1058	N	665	1	Y	-159.5300000
1059	N	662	1	Y	-179.9900000
1060	N	659	1	Y	-200.4400000
1061	N	656	1	Y	-220.8900000
1062	N	653	1	Y	-241.3500000
1063	N	650	1	Y	-261.8000000
1064	N	647	1	Y	-282.2500000
1065	N	644	1	Y	-302.7100000
1066	N	641	1	Y	-323.1600000
1067	N	638	1	Y	-343.6100000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
1068	N	635	1	Y	-364.0600000
1069	N	632	1	Y	-384.5200000
1070	N	629	1	Y	-404.9700000
1071	N	626	1	Y	-416.9800000
1072	N	623	1	Y	-412.3800000
1073	N	620	1	Y	-388.3800000
1074	N	617	1	Y	-395.9700000
1075	N	614	1	Y	-415.6100000
1076	N	611	1	Y	-435.2400000
1077	N	608	1	Y	-454.8800000
1078	N	605	1	Y	-474.5100000
1079	N	602	1	Y	-494.1500000
1080	N	599	1	Y	-513.7800000
1081	N	596	1	Y	-533.4200000
1082	N	593	1	Y	-553.0500000
1083	N	590	1	Y	-524.2100000
1084	N	587	1	Y	-592.3200000
1085	N	584	1	Y	-592.3200000
1086	N	581	1	Y	-473.6900000
1087	N	578	1	Y	-372.7600000
1088	N	575	1	Y	-393.5600000
1089	N	572	1	Y	-406.9300000
1090	N	569	1	Y	-420.3100000
1091	N	566	1	Y	-433.6800000
1092	N	563	1	Y	-447.0500000
1093	N	560	1	Y	-433.0700000
1094	N	557	1	Y	-261.9700000
1095	N	554	1	Y	-37.2000000
1096	N	589	1	Y	-10,226.0000000
1	N	466	2	Y	-409.0000000
2	N	465	2	Y	-849.0000000
3	N	464	2	Y	-845.0000000
4	N	463	2	Y	-841.0000000
5	N	462	2	Y	-1,676.0000000
6	N	469	2	Y	-2,482.0000000
7	N	472	2	Y	-2,450.0000000
8	N	475	2	Y	-2,419.0000000
9	N	478	2	Y	-2,388.0000000
10	N	481	2	Y	-2,356.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
11	N	484	2	Y	-2,325.0000000
12	N	487	2	Y	-2,293.0000000
13	N	490	2	Y	-3,016.0000000
14	N	493	2	Y	-2,960.0000000
15	N	496	2	Y	-2,904.0000000
16	N	499	2	Y	-2,848.0000000
17	N	502	2	Y	-2,793.0000000
18	N	505	2	Y	-2,737.0000000
19	N	508	2	Y	-2,681.0000000
20	N	511	2	Y	-2,625.0000000
21	N	514	2	Y	-2,569.0000000
22	N	517	2	Y	-2,513.0000000
23	N	520	2	Y	-2,457.0000000
24	N	523	2	Y	-2,402.0000000
25	N	526	2	Y	-2,346.0000000
26	N	529	2	Y	-2,290.0000000
27	N	532	2	Y	-2,234.0000000
28	N	535	2	Y	-2,178.0000000
29	N	538	2	Y	-2,122.0000000
30	N	541	2	Y	-2,066.0000000
31	N	544	2	Y	-2,011.0000000
32	N	547	2	Y	-1,955.0000000
33	N	550	2	Y	-1,899.0000000
34	N	553	2	Y	-1,843.0000000
35	N	556	2	Y	-1,787.0000000
36	N	559	2	Y	-1,614.0000000
37	N	562	2	Y	-1,464.0000000
38	N	565	2	Y	-1,421.0000000
39	N	568	2	Y	-1,379.0000000
40	N	571	2	Y	-1,336.0000000
41	N	574	2	Y	-1,294.0000000
42	N	577	2	Y	-1,251.0000000
43	N	580	2	Y	-1,058.0000000
44	N	583	2	Y	-1,011.0000000
45	N	586	2	Y	-979.0000000
46	N	589	2	Y	-948.0000000
47	N	589	2	Y	-14,137.0000000
1	N	3	3	Y	-246.4000000
2	N	6	3	Y	-1,585.4000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
3	N	9	3	Y	-2,866.6000000
4	N	12	3	Y	-4,139.2000000
5	N	15	3	Y	-5,411.9000000
6	N	18	3	Y	-6,686.0000000
7	N	21	3	Y	-7,959.3000000
8	N	24	3	Y	-9,231.9000000
9	N	27	3	Y	-10,504.0000000
10	N	30	3	Y	-11,777.0000000
11	N	33	3	Y	-13,051.0000000
12	N	36	3	Y	-14,326.0000000
13	N	39	3	Y	-15,599.0000000
14	N	42	3	Y	-16,872.0000000
15	N	45	3	Y	-18,146.0000000
16	N	48	3	Y	-19,425.0000000
17	N	51	3	Y	-20,685.0000000
18	N	54	3	Y	-21,964.0000000
19	N	57	3	Y	-23,243.0000000
20	N	60	3	Y	-24,503.0000000
21	N	63	3	Y	-25,782.0000000
22	N	66	3	Y	-27,061.0000000
23	N	69	3	Y	-28,340.0000000
24	N	72	3	Y	-29,600.0000000
25	N	75	3	Y	-30,879.0000000
26	N	78	3	Y	-32,158.0000000
27	N	81	3	Y	-33,418.0000000
28	N	84	3	Y	-34,697.0000000
29	N	87	3	Y	-35,976.0000000
30	N	90	3	Y	-37,236.0000000
31	N	93	3	Y	-38,513.0000000
32	N	96	3	Y	-39,794.0000000
33	N	99	3	Y	-41,066.0000000
34	N	102	3	Y	-42,337.0000000
35	N	105	3	Y	-43,610.0000000
36	N	108	3	Y	-44,889.0000000
37	N	111	3	Y	-46,167.0000000
38	N	114	3	Y	-47,446.0000000
39	N	117	3	Y	-49,519.0000000
40	N	120	3	Y	-49,985.0000000
41	N	123	3	Y	-51,254.0000000
42	N	126	3	Y	-52,524.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
43	N	129	3	Y	-53,803.0000000
44	N	132	3	Y	-55,082.0000000
45	N	135	3	Y	-56,342.0000000
46	N	138	3	Y	-57,621.0000000
47	N	141	3	Y	-58,900.0000000
48	N	144	3	Y	-60,160.0000000
49	N	147	3	Y	-60,979.0000000
50	N	150	3	Y	-62,718.0000000
51	N	153	3	Y	-63,976.0000000
52	N	156	3	Y	-65,255.0000000
53	N	159	3	Y	-66,534.0000000
54	N	162	3	Y	-67,813.0000000
55	N	165	3	Y	-60,442.0000000
56	N	169	3	Y	-52,525.0000000
57	N	174	3	Y	-53,240.0000000
58	N	180	3	Y	-53,953.0000000
59	N	187	3	Y	-54,668.0000000
60	N	194	3	Y	-55,383.0000000
61	N	201	3	Y	-51,434.0000000
62	N	208	3	Y	-47,635.0000000
63	N	215	3	Y	-33,376.0000000
64	N	258	3	X	38,242.0000000
65	N	262	3	X	76,542.0000000
66	N	267	3	X	76,542.0000000
67	N	272	3	X	76,542.0000000
68	N	277	3	X	76,542.0000000
69	N	282	3	X	76,542.0000000
70	N	287	3	X	76,542.0000000
71	N	292	3	X	76,542.0000000
72	N	297	3	X	76,542.0000000
73	N	302	3	X	76,542.0000000
74	N	307	3	X	76,542.0000000
75	N	312	3	X	76,542.0000000
76	N	317	3	X	76,542.0000000
77	N	322	3	X	76,542.0000000
78	N	327	3	X	76,542.0000000
79	N	332	3	X	76,542.0000000
80	N	337	3	X	76,542.0000000
81	N	342	3	X	76,542.0000000
82	N	347	3	X	76,542.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
83	N	352	3	X	76,542.0000000
84	N	357	3	X	76,542.0000000
85	N	362	3	X	76,542.0000000
86	N	367	3	X	76,542.0000000
87	N	372	3	X	76,542.0000000
88	N	377	3	X	76,462.0000000
89	N	382	3	X	76,462.0000000
90	N	388	3	X	76,462.0000000
91	N	392	3	X	76,462.0000000
92	N	397	3	X	76,462.0000000
93	N	402	3	X	76,462.0000000
94	N	407	3	X	76,462.0000000
95	N	412	3	X	76,462.0000000
96	N	417	3	X	76,462.0000000
97	N	422	3	X	58,036.0000000
98	N	427	3	X	31,828.0000000
99	N	432	3	X	25,458.0000000
100	N	437	3	X	19,090.0000000
101	N	442	3	X	12,729.0000000
102	N	447	3	X	6,369.5000000
1	N	589	4	Y	-47.3900000
2	N	586	4	Y	-48.9600000
3	N	583	4	Y	-50.5300000
4	N	580	4	Y	-56.5700000
5	N	577	4	Y	-62.9200000
6	N	574	4	Y	-65.0600000
7	N	571	4	Y	-67.2000000
8	N	568	4	Y	-69.3300000
9	N	565	4	Y	-71.4700000
10	N	562	4	Y	-73.6000000
11	N	559	4	Y	-81.2400000
12	N	556	4	Y	-89.3600000
13	N	553	4	Y	-92.1500000
14	N	550	4	Y	-94.9500000
15	N	547	4	Y	-97.7400000
16	N	544	4	Y	-100.5300000
17	N	541	4	Y	-103.3200000
18	N	538	4	Y	-106.1200000
19	N	535	4	Y	-108.9100000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
20	N	532	4	Y	-111.7000000
21	N	529	4	Y	-114.4900000
22	N	526	4	Y	-117.2900000
23	N	523	4	Y	-120.0800000
24	N	520	4	Y	-122.8700000
25	N	517	4	Y	-125.6600000
26	N	514	4	Y	-128.4600000
27	N	511	4	Y	-131.2500000
28	N	508	4	Y	-134.0400000
29	N	505	4	Y	-136.8300000
30	N	502	4	Y	-138.2300000
31	N	499	4	Y	-142.4200000
32	N	496	4	Y	-145.2100000
33	N	493	4	Y	-148.0000000
34	N	490	4	Y	-131.7900000
35	N	487	4	Y	-114.6700000
36	N	484	4	Y	-116.2400000
37	N	481	4	Y	-117.8100000
38	N	478	4	Y	-119.3800000
39	N	475	4	Y	-120.9600000
40	N	472	4	Y	-122.5200000
41	N	469	4	Y	-124.0900000
42	N	462	4	Y	-63.1600000
43	N	463	4	Y	-42.0600000
44	N	464	4	Y	-42.2400000
45	N	465	4	Y	-42.4100000
46	N	466	4	Y	-42.5000000
1	N	3	5	Y	-1,189.0000000
2	N	6	5	Y	-7,649.0000000
3	N	9	5	Y	-13,830.0000000
4	N	12	5	Y	-19,970.0000000
5	N	15	5	Y	-26,110.0000000
6	N	18	5	Y	-32,260.0000000
7	N	21	5	Y	-38,400.0000000
8	N	24	5	Y	-44,540.0000000
9	N	27	5	Y	-50,680.0000000
10	N	30	5	Y	-56,820.0000000
11	N	33	5	Y	-62,970.0000000
12	N	36	5	Y	-69,120.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
13	N	39	5	Y	-75,260.0000000
14	N	42	5	Y	-81,400.0000000
15	N	45	5	Y	-87,550.0000000
16	N	48	5	Y	-93,720.0000000
17	N	51	5	Y	-99,800.0000000
18	N	54	5	Y	-105,970.0000000
19	N	57	5	Y	-112,140.0000000
20	N	60	5	Y	-118,220.0000000
21	N	63	5	Y	-124,390.0000000
22	N	66	5	Y	-130,560.0000000
23	N	69	5	Y	-136,730.0000000
24	N	72	5	Y	-142,810.0000000
25	N	75	5	Y	-148,980.0000000
26	N	78	5	Y	-155,150.0000000
27	N	81	5	Y	-161,230.0000000
28	N	84	5	Y	-167,400.0000000
29	N	87	5	Y	-173,570.0000000
30	N	90	5	Y	-179,650.0000000
31	N	93	5	Y	-185,810.0000000
32	N	96	5	Y	-191,990.0000000
33	N	99	5	Y	-198,130.0000000
34	N	102	5	Y	-204,230.0000000
35	N	105	5	Y	-210,400.0000000
36	N	108	5	Y	-216,570.0000000
37	N	111	5	Y	-222,740.0000000
38	N	114	5	Y	-228,910.0000000
39	N	117	5	Y	-234,990.0000000
40	N	120	5	Y	-241,160.0000000
41	N	123	5	Y	-247,280.0000000
42	N	126	5	Y	-253,410.0000000
43	N	129	5	Y	-259,580.0000000
44	N	132	5	Y	-265,750.0000000
45	N	135	5	Y	-271,830.0000000
46	N	138	5	Y	-278,000.0000000
47	N	141	5	Y	-284,170.0000000
48	N	144	5	Y	-290,250.0000000
49	N	147	5	Y	-296,420.0000000
50	N	150	5	Y	-302,590.0000000
51	N	153	5	Y	-308,660.0000000
52	N	156	5	Y	-314,830.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
53	N	159	5	Y	-312,000.0000000
54	N	162	5	Y	-327,170.0000000
55	N	165	5	Y	-291,610.0000000
56	N	169	5	Y	-253,410.0000000
57	N	174	5	Y	-256,860.0000000
58	N	180	5	Y	-260,300.0000000
59	N	187	5	Y	-263,750.0000000
60	N	194	5	Y	-267,200.0000000
61	N	201	5	Y	-248,150.0000000
62	N	208	5	Y	-229,820.0000000
63	N	215	5	Y	-161,020.0000000
64	N	258	5	X	182,880.0000000
65	N	262	5	X	357,440.0000000
66	N	267	5	X	346,270.0000000
67	N	272	5	X	335,100.0000000
68	N	277	5	X	323,930.0000000
69	N	282	5	X	312,760.0000000
70	N	287	5	X	301,950.0000000
71	N	292	5	X	290,420.0000000
72	N	297	5	X	279,250.0000000
73	N	302	5	X	268,080.0000000
74	N	307	5	X	256,910.0000000
75	N	312	5	X	245,740.0000000
76	N	317	5	X	234,570.0000000
77	N	322	5	X	223,400.0000000
78	N	327	5	X	212,240.0000000
79	N	332	5	X	201,060.0000000
80	N	337	5	X	189,900.0000000
81	N	342	5	X	178,730.0000000
82	N	347	5	X	167,550.0000000
83	N	352	5	X	156,390.0000000
84	N	357	5	X	145,220.0000000
85	N	362	5	X	134,040.0000000
86	N	367	5	X	122,880.0000000
87	N	372	5	X	111,710.0000000
88	N	377	5	X	100,530.0000000
89	N	382	5	X	89,370.0000000
90	N	387	5	X	78,200.0000000
91	N	392	5	X	67,020.0000000
92	N	397	5	X	55,860.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
93	N	402	5	X	44,686.0000000
94	N	407	5	X	33,510.0000000
95	N	412	5	X	22,350.0000000
96	N	417	5	X	11,180.0000000
97	N	422	5	X	1,396.0000000
1	N	461	6	X	-1,846.0000000
2	N	456	6	X	-5,537.0000000
3	N	451	6	X	-14,764.0000000
4	N	446	6	X	-22,146.0000000
5	N	441	6	X	-29,527.0000000
6	N	436	6	X	-36,909.0000000
7	N	431	6	X	-44,291.0000000
8	N	426	6	X	-51,672.0000000
9	N	421	6	X	-59,054.0000000
10	N	416	6	X	-66,435.0000000
11	N	411	6	X	-73,814.0000000
12	N	406	6	X	-81,191.0000000
13	N	401	6	X	-88,584.0000000
14	N	396	6	X	-95,964.0000000
15	N	391	6	X	-103,340.0000000
16	N	386	6	X	-110,720.0000000
17	N	381	6	X	-118,100.0000000
18	N	376	6	X	-125,480.0000000
19	N	371	6	X	-132,870.0000000
20	N	366	6	X	-140,250.0000000
21	N	361	6	X	-147,630.0000000
22	N	356	6	X	-155,010.0000000
23	N	351	6	X	-162,390.0000000
24	N	346	6	X	-169,770.0000000
25	N	341	6	X	-177,160.0000000
26	N	336	6	X	-184,540.0000000
27	N	331	6	X	-191,920.0000000
28	N	326	6	X	-199,300.0000000
29	N	321	6	X	-206,680.0000000
30	N	316	6	X	-214,060.0000000
31	N	311	6	X	-221,440.0000000
32	N	306	6	X	-228,830.0000000
33	N	301	6	X	-236,210.0000000
34	N	296	6	X	-243,590.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
35	N	291	6	X	-250,970.0000000
36	N	286	6	X	-258,350.0000000
37	N	281	6	X	-265,730.0000000
38	N	276	6	X	-273,120.0000000
39	N	271	6	X	-280,500.0000000
40	N	266	6	X	-287,880.0000000
41	N	261	6	X	-147,630.0000000

* MASSES *

SEQ #	TYPE	ELMT/ NODE	DIRECTION(S)	MASS

NONE

MICAS REV 3.4 FINITE ELEMENT ANALYSIS
AXI-SYMETRIC 11/14/88 10:30:31

****
* DISPLACEMENTS *
****

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
1	1	-1.761E-06	0.000E+00
1	2	-1.756E-06	0.000E+00
2	1	-2.142E-06	-9.615E-07
2	2	-2.133E-06	-9.959E-07
3	1	-9.639E-07	-1.874E-06
3	2	-9.588E-07	-1.943E-06
4	1	-6.441E-05	0.000E+00
4	2	-6.407E-05	0.000E+00
5	1	-6.432E-05	-3.788E-06
5	2	-6.397E-05	-3.823E-06
6	1	-6.385E-05	-7.445E-06
6	2	-6.351E-05	-7.514E-06
7	1	-1.163E-04	0.000E+00
7	2	-1.157E-04	0.000E+00
8	1	-1.162E-04	-4.307E-06
8	2	-1.156E-04	-4.342E-06
9	1	-1.161E-04	-8.562E-06
9	2	-1.155E-04	-8.632E-06
10	1	-1.679E-04	0.000E+00
10	2	-1.670E-04	0.000E+00
11	1	-1.679E-04	-4.352E-06
11	2	-1.670E-04	-4.387E-06
12	1	-1.679E-04	-8.567E-06
12	2	-1.670E-04	-8.638E-06
13	1	-2.196E-04	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
13	2	-2.184E-04	0.000E+00
14	1	-2.196E-04	-4.314E-06
14	2	-2.184E-04	-4.349E-06
15	1	-2.196E-04	-8.562E-06
15	2	-2.184E-04	-8.633E-06
16	1	-2.712E-04	0.000E+00
16	2	-2.698E-04	0.000E+00
17	1	-2.712E-04	-4.346E-06
17	2	-2.698E-04	-4.381E-06
18	1	-2.712E-04	-8.563E-06
18	2	-2.698E-04	-8.633E-06
19	1	-3.229E-04	0.000E+00
19	2	-3.212E-04	0.000E+00
20	1	-3.229E-04	-4.314E-06
20	2	-3.212E-04	-4.349E-06
21	1	-3.229E-04	-8.563E-06
21	2	-3.212E-04	-8.633E-06
22	1	-3.746E-04	0.000E+00
22	2	-3.726E-04	0.000E+00
23	1	-3.746E-04	-4.344E-06
23	2	-3.726E-04	-4.379E-06
24	1	-3.746E-04	-8.558E-06
24	2	-3.726E-04	-8.628E-06
25	1	-4.263E-04	0.000E+00
25	2	-4.240E-04	0.000E+00
26	1	-4.263E-04	-4.312E-06
26	2	-4.240E-04	-4.347E-06
27	1	-4.263E-04	-8.559E-06
27	2	-4.240E-04	-8.629E-06
28	1	-4.780E-04	0.000E+00
28	2	-4.754E-04	0.000E+00
29	1	-4.780E-04	-4.342E-06
29	2	-4.754E-04	-4.377E-06
30	1	-4.780E-04	-8.555E-06
30	2	-4.754E-04	-8.626E-06
31	1	-5.297E-04	0.000E+00

5620

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
31	2	-5.268E-04	0.000E+00
32	1	-5.296E-04	-4.313E-06
32	2	-5.268E-04	-4.348E-06
33	1	-5.296E-04	-8.560E-06
33	2	-5.268E-04	-8.631E-06
34	1	-5.813E-04	0.000E+00
34	2	-5.782E-04	0.000E+00
35	1	-5.813E-04	-4.344E-06
35	2	-5.782E-04	-4.380E-06
36	1	-5.813E-04	-8.560E-06
36	2	-5.782E-04	-8.630E-06
37	1	-6.330E-04	0.000E+00
37	2	-6.296E-04	0.000E+00
38	1	-6.330E-04	-4.313E-06
38	2	-6.296E-04	-4.348E-06
39	1	-6.330E-04	-8.561E-06
39	2	-6.296E-04	-8.632E-06
40	1	-6.847E-04	0.000E+00
40	2	-6.810E-04	0.000E+00
41	1	-6.847E-04	-4.343E-06
41	2	-6.810E-04	-4.379E-06
42	1	-6.847E-04	-8.558E-06
42	2	-6.810E-04	-8.628E-06
43	1	-7.364E-04	0.000E+00
43	2	-7.324E-04	0.000E+00
44	1	-7.364E-04	-4.315E-06
44	2	-7.324E-04	-4.350E-06
45	1	-7.364E-04	-8.565E-06
45	2	-7.324E-04	-8.635E-06
46	1	-7.880E-04	0.000E+00
46	2	-7.838E-04	0.000E+00
47	1	-7.880E-04	-4.354E-06
47	2	-7.838E-04	-4.389E-06
48	1	-7.880E-04	-8.578E-06
48	2	-7.838E-04	-8.649E-06
49	1	-8.397E-04	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
49	2	-8.351E-04	0.000E+00
50	1	-8.397E-04	-4.313E-06
50	2	-8.351E-04	-4.348E-06
51	1	-8.397E-04	-8.562E-06
51	2	-8.351E-04	-8.632E-06
52	1	-8.914E-04	0.000E+00
52	2	-8.865E-04	0.000E+00
53	1	-8.914E-04	-4.339E-06
53	2	-8.865E-04	-4.374E-06
54	1	-8.914E-04	-8.549E-06
54	2	-8.865E-04	-8.619E-06
55	1	-9.431E-04	0.000E+00
55	2	-9.379E-04	0.000E+00
56	1	-9.431E-04	-4.318E-06
56	2	-9.379E-04	-4.353E-06
57	1	-9.431E-04	-8.572E-06
57	2	-9.379E-04	-8.642E-06
58	1	-9.947E-04	0.000E+00
58	2	-9.893E-04	0.000E+00
59	1	-9.947E-04	-4.343E-06
59	2	-9.893E-04	-4.378E-06
60	1	-9.947E-04	-8.558E-06
60	2	-9.893E-04	-8.628E-06
61	1	-1.046E-03	0.000E+00
61	2	-1.040E-03	0.000E+00
62	1	-1.046E-03	-4.308E-06
62	2	-1.040E-03	-4.343E-06
63	1	-1.046E-03	-8.550E-06
63	2	-1.040E-03	-8.620E-06
64	1	-1.098E-03	0.000E+00
64	2	-1.092E-03	0.000E+00
65	1	-1.098E-03	-4.348E-06
65	2	-1.092E-03	-4.383E-06
66	1	-1.098E-03	-8.567E-06
66	2	-1.092E-03	-8.637E-06
67	1	-1.149E-03	0.000E+00

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
67	2	-1.143E-03	0.000E+00
68	1	-1.149E-03	-4.319E-06
68	2	-1.143E-03	-4.354E-06
69	1	-1.149E-03	-8.574E-06
69	2	-1.143E-03	-8.644E-06
70	1	-1.201E-03	0.000E+00
70	2	-1.194E-03	0.000E+00
71	1	-1.201E-03	-4.338E-06
71	2	-1.194E-03	-4.373E-06
72	1	-1.201E-03	-8.547E-06
72	2	-1.194E-03	-8.617E-06
73	1	-1.253E-03	0.000E+00
73	2	-1.246E-03	0.000E+00
74	1	-1.253E-03	-4.316E-06
74	2	-1.246E-03	-4.352E-06
75	1	-1.253E-03	-8.568E-06
75	2	-1.246E-03	-8.638E-06
76	1	-1.304E-03	0.000E+00
76	2	-1.297E-03	0.000E+00
77	1	-1.304E-03	-4.349E-06
77	2	-1.297E-03	-4.384E-06
78	1	-1.304E-03	-8.569E-06
78	2	-1.297E-03	-8.639E-06
79	1	-1.356E-03	0.000E+00
79	2	-1.349E-03	0.000E+00
80	1	-1.356E-03	-4.307E-06
80	2	-1.349E-03	-4.342E-06
81	1	-1.356E-03	-8.548E-06
81	2	-1.349E-03	-8.618E-06
82	1	-1.408E-03	0.000E+00
82	2	-1.400E-03	0.000E+00
83	1	-1.408E-03	-4.346E-06
83	2	-1.400E-03	-4.381E-06
84	1	-1.408E-03	-8.564E-06
84	2	-1.400E-03	-8.634E-06
85	1	-1.459E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
85	2	-1.451E-03	0.000E+00
86	1	-1.459E-03	-4.317E-06
86	2	-1.451E-03	-4.352E-06
87	1	-1.459E-03	-8.570E-06
87	2	-1.451E-03	-8.640E-06
88	1	-1.511E-03	0.000E+00
88	2	-1.503E-03	0.000E+00
89	1	-1.511E-03	-4.337E-06
89	2	-1.503E-03	-4.372E-06
90	1	-1.511E-03	-8.545E-06
90	2	-1.503E-03	-8.615E-06
91	1	-1.563E-03	0.000E+00
91	2	-1.554E-03	0.000E+00
92	1	-1.563E-03	-4.315E-06
92	2	-1.554E-03	-4.350E-06
93	1	-1.563E-03	-8.564E-06
93	2	-1.554E-03	-8.634E-06
94	1	-1.614E-03	0.000E+00
94	2	-1.606E-03	0.000E+00
95	1	-1.614E-03	-4.347E-06
95	2	-1.606E-03	-4.382E-06
96	1	-1.614E-03	-8.566E-06
96	2	-1.606E-03	-8.636E-06
97	1	-1.666E-03	0.000E+00
97	2	-1.657E-03	0.000E+00
98	1	-1.666E-03	-4.309E-06
98	2	-1.657E-03	-4.344E-06
99	1	-1.666E-03	-8.553E-06
99	2	-1.657E-03	-8.623E-06
100	1	-1.718E-03	0.000E+00
100	2	-1.708E-03	0.000E+00
101	1	-1.718E-03	-4.345E-06
101	2	-1.708E-03	-4.380E-06
102	1	-1.718E-03	-8.561E-06
102	2	-1.708E-03	-8.632E-06
103	1	-1.769E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
103	2	-1.760E-03	0.000E+00
104	1	-1.769E-03	-4.316E-06
104	2	-1.760E-03	-4.351E-06
105	1	-1.769E-03	-8.566E-06
105	2	-1.760E-03	-8.637E-06
106	1	-1.821E-03	0.000E+00
106	2	-1.811E-03	0.000E+00
107	1	-1.821E-03	-4.340E-06
107	2	-1.811E-03	-4.375E-06
108	1	-1.821E-03	-8.552E-06
108	2	-1.811E-03	-8.622E-06
109	1	-1.873E-03	0.000E+00
109	2	-1.863E-03	0.000E+00
110	1	-1.873E-03	-4.318E-06
110	2	-1.863E-03	-4.353E-06
111	1	-1.873E-03	-8.571E-06
111	2	-1.863E-03	-8.641E-06
112	1	-1.924E-03	0.000E+00
112	2	-1.914E-03	0.000E+00
113	1	-1.924E-03	-4.352E-06
113	2	-1.914E-03	-4.387E-06
114	1	-1.924E-03	-8.574E-06
114	2	-1.914E-03	-8.644E-06
115	1	-1.976E-03	0.000E+00
115	2	-1.965E-03	0.000E+00
116	1	-1.976E-03	-4.339E-06
116	2	-1.965E-03	-4.374E-06
117	1	-1.976E-03	-8.614E-06
117	2	-1.965E-03	-8.684E-06
118	1	-2.028E-03	0.000E+00
118	2	-2.017E-03	0.000E+00
119	1	-2.028E-03	-4.350E-06
119	2	-2.017E-03	-4.385E-06
120	1	-2.028E-03	-8.571E-06
120	2	-2.017E-03	-8.641E-06
121	1	-2.079E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
121	2	-2.068E-03	0.000E+00
122	1	-2.079E-03	-4.316E-06
122	2	-2.068E-03	-4.351E-06
123	1	-2.079E-03	-8.568E-06
123	2	-2.068E-03	-8.638E-06
124	1	-2.131E-03	0.000E+00
124	2	-2.120E-03	0.000E+00
125	1	-2.131E-03	-4.339E-06
125	2	-2.120E-03	-4.374E-06
126	1	-2.131E-03	-8.550E-06
126	2	-2.120E-03	-8.620E-06
127	1	-2.183E-03	0.000E+00
127	2	-2.171E-03	0.000E+00
128	1	-2.183E-03	-4.320E-06
128	2	-2.171E-03	-4.355E-06
129	1	-2.183E-03	-8.575E-06
129	2	-2.171E-03	-8.645E-06
130	1	-2.234E-03	0.000E+00
130	2	-2.222E-03	0.000E+00
131	1	-2.234E-03	-4.375E-06
131	2	-2.222E-03	-4.410E-06
132	1	-2.234E-03	-8.583E-06
132	2	-2.222E-03	-8.653E-06
133	1	-2.286E-03	0.000E+00
133	2	-2.273E-03	0.000E+00
134	1	-2.286E-03	-4.194E-06
134	2	-2.274E-03	-4.229E-06
135	1	-2.286E-03	-8.366E-06
135	2	-2.274E-03	-8.437E-06
136	1	-2.339E-03	0.000E+00
136	2	-2.327E-03	0.000E+00
137	1	-2.338E-03	-2.193E-06
137	2	-2.326E-03	-2.227E-06
138	1	-2.337E-03	-6.897E-06
138	2	-2.325E-03	-6.965E-06
139	1	-2.407E-03	0.000E+00

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
139	2	-2.394E-03	0.000E+00
140	1	-2.391E-03	0.000E+00
140	2	-2.378E-03	0.000E+00
141	1	-2.375E-03	-5.850E-06
141	2	-2.362E-03	-5.885E-06
142	1	-2.446E-03	-1.546E-04
142	2	-2.433E-03	-1.546E-04
143	1	-2.446E-03	-1.526E-04
143	2	-2.433E-03	-1.526E-04
144	1	-2.445E-03	-1.524E-04
144	2	-2.432E-03	-1.524E-04
145	1	-2.483E-03	0.000E+00
145	2	-2.469E-03	0.000E+00
146	1	-2.499E-03	-9.181E-06
146	2	-2.485E-03	-9.215E-06
147	1	-2.515E-03	-1.508E-05
147	2	-2.501E-03	-1.515E-05
148	1	-2.548E-03	0.000E+00
148	2	-2.534E-03	0.000E+00
149	1	-2.549E-03	-2.666E-06
149	2	-2.535E-03	-2.701E-06
150	1	-2.551E-03	-7.518E-06
150	2	-2.537E-03	-7.589E-06
151	1	-2.601E-03	0.000E+00
151	2	-2.587E-03	0.000E+00
152	1	-2.601E-03	-4.157E-06
152	2	-2.587E-03	-4.192E-06
153	1	-2.601E-03	-8.281E-06
153	2	-2.587E-03	-8.351E-06
154	1	-2.653E-03	0.000E+00
154	2	-2.638E-03	0.000E+00
155	1	-2.652E-03	-4.347E-06
155	2	-2.638E-03	-4.382E-06
156	1	-2.653E-03	-8.543E-06
156	2	-2.638E-03	-8.613E-06
157	1	-2.704E-03	0.000E+00

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
157	2	-2.689E-03	0.000E+00
158	1	-2.704E-03	-4.046E-06
158	2	-2.690E-03	-4.081E-06
159	1	-2.704E-03	-8.025E-06
159	2	-2.690E-03	-8.095E-06
160	1	-2.756E-03	0.000E+00
160	2	-2.741E-03	0.000E+00
161	1	-2.756E-03	-3.874E-06
161	2	-2.741E-03	-3.910E-06
162	1	-2.756E-03	-8.146E-06
162	2	-2.741E-03	-8.267E-06
163	1	-2.812E-03	0.000E+00
163	2	-2.797E-03	0.000E+00
164	1	-2.807E-03	-4.901E-06
164	2	-2.792E-03	-4.936E-06
165	1	-2.804E-03	-9.528E-06
165	2	-2.789E-03	-9.596E-06
166	1	-2.851E-03	0.000E+00
166	2	-2.836E-03	0.000E+00
167	1	-2.841E-03	-5.956E-06
167	2	-2.825E-03	-5.983E-06
168	1	-2.834E-03	-1.172E-05
168	2	-2.819E-03	-1.178E-05
169	1	-2.830E-03	-1.747E-05
169	2	-2.814E-03	-1.756E-05
170	1	-2.872E-03	0.000E+00
170	2	-2.857E-03	0.000E+00
171	1	-2.864E-03	-7.525E-06
171	2	-2.848E-03	-7.542E-06
172	1	-2.856E-03	-1.494E-05
172	2	-2.841E-03	-1.497E-05
173	1	-2.851E-03	-2.139E-05
173	2	-2.835E-03	-2.145E-05
174	1	-2.847E-03	-2.781E-05
174	2	-2.831E-03	-2.790E-05
175	1	-2.883E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
175	2	-2.868E-03	0.000E+00
176	1	-2.877E-03	-8.187E-06
176	2	-2.861E-03	-8.188E-06
177	1	-2.871E-03	-1.633E-05
177	2	-2.855E-03	-1.634E-05
178	1	-2.866E-03	-2.349E-05
178	2	-2.850E-03	-2.351E-05
179	1	-2.862E-03	-3.064E-05
179	2	-2.846E-03	-3.068E-05
180	1	-2.858E-03	-3.726E-05
180	2	-2.843E-03	-3.732E-05
181	1	-2.886E-03	0.000E+00
181	2	-2.870E-03	0.000E+00
182	1	-2.882E-03	-7.894E-06
182	2	-2.867E-03	-7.874E-06
183	1	-2.879E-03	-1.600E-05
183	2	-2.863E-03	-1.596E-05
184	1	-2.875E-03	-2.326E-05
184	2	-2.860E-03	-2.322E-05
185	1	-2.872E-03	-3.065E-05
185	2	-2.856E-03	-3.061E-05
186	1	-2.869E-03	-3.758E-05
186	2	-2.854E-03	-3.756E-05
187	1	-2.867E-03	-4.461E-05
187	2	-2.852E-03	-4.462E-05
188	1	-2.883E-03	0.000E+00
188	2	-2.867E-03	0.000E+00
189	1	-2.882E-03	-9.070E-06
189	2	-2.867E-03	-9.039E-06
190	1	-2.881E-03	-1.733E-05
190	2	-2.865E-03	-1.728E-05
191	1	-2.879E-03	-2.550E-05
191	2	-2.863E-03	-2.542E-05
192	1	-2.877E-03	-3.303E-05
192	2	-2.861E-03	-3.296E-05
193	1	-2.875E-03	-4.044E-05

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
193	2	-2.859E-03	-4.038E-05
194	1	-2.874E-03	-4.761E-05
194	2	-2.858E-03	-4.761E-05
195	1	-2.883E-03	0.000E+00
195	2	-2.868E-03	0.000E+00
196	1	-2.883E-03	-9.800E-06
196	2	-2.868E-03	-9.853E-06
197	1	-2.883E-03	-1.942E-05
197	2	-2.868E-03	-1.951E-05
198	1	-2.882E-03	-2.810E-05
198	2	-2.867E-03	-2.823E-05
199	1	-2.881E-03	-3.645E-05
199	2	-2.865E-03	-3.658E-05
200	1	-2.880E-03	-4.402E-05
200	2	-2.863E-03	-4.422E-05
201	1	-2.877E-03	-5.124E-05
201	2	-2.861E-03	-5.146E-05
202	1	-2.881E-03	0.000E+00
202	2	-2.866E-03	0.000E+00
203	1	-2.883E-03	-1.237E-05
203	2	-2.868E-03	-1.274E-05
204	1	-2.883E-03	-2.387E-05
204	2	-2.868E-03	-2.457E-05
205	1	-2.885E-03	-3.509E-05
205	2	-2.870E-03	-3.605E-05
206	1	-2.885E-03	-4.404E-05
206	2	-2.869E-03	-4.515E-05
207	1	-2.885E-03	-5.234E-05
207	2	-2.868E-03	-5.350E-05
208	1	-2.881E-03	-5.960E-05
208	2	-2.864E-03	-6.095E-05
209	1	-2.874E-03	0.000E+00
209	2	-2.859E-03	0.000E+00
210	1	-2.875E-03	-1.598E-05
210	2	-2.859E-03	-1.709E-05
211	1	-2.879E-03	-3.205E-05

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
211	2	-2.864E-03	-3.426E-05
212	1	-2.884E-03	-4.662E-05
212	2	-2.868E-03	-4.979E-05
213	1	-2.892E-03	-6.104E-05
213	2	-2.876E-03	-6.506E-05
214	1	-2.897E-03	-6.975E-05
214	2	-2.880E-03	-7.419E-05
215	1	-2.891E-03	-7.591E-05
215	2	-2.873E-03	-8.034E-05
216	1	-2.867E-03	0.000E+00
216	2	-2.851E-03	0.000E+00
217	1	-2.868E-03	-1.673E-05
217	2	-2.852E-03	-1.823E-05
218	1	-2.873E-03	-3.385E-05
218	2	-2.856E-03	-3.690E-05
219	1	-2.881E-03	-5.215E-05
219	2	-2.865E-03	-5.688E-05
220	1	-2.890E-03	-7.073E-05
220	2	-2.874E-03	-7.718E-05
221	1	-2.910E-03	-9.096E-05
221	2	-2.894E-03	-9.924E-05
222	1	-2.906E-03	-9.070E-05
222	2	-2.886E-03	-9.980E-05
223	1	-2.859E-03	0.000E+00
223	2	-2.842E-03	0.000E+00
224	1	-2.861E-03	-1.529E-05
224	2	-2.844E-03	-1.699E-05
225	1	-2.864E-03	-3.141E-05
225	2	-2.847E-03	-3.493E-05
226	1	-2.872E-03	-5.042E-05
226	2	-2.855E-03	-5.615E-05
227	1	-2.884E-03	-7.447E-05
227	2	-2.867E-03	-8.305E-05
228	1	-2.906E-03	-1.106E-04
228	2	-2.888E-03	-1.235E-04
229	1	-2.958E-03	-1.737E-04

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
229	2	-2.940E-03	-1.941E-04
230	1	-2.854E-03	0.000E+00
230	2	-2.836E-03	0.000E+00
231	1	-2.855E-03	-1.209E-05
231	2	-2.837E-03	-1.367E-05
232	1	-2.859E-03	-2.437E-05
232	2	-2.842E-03	-2.761E-05
233	1	-2.865E-03	-3.722E-05
233	2	-2.847E-03	-4.226E-05
234	1	-2.879E-03	-5.045E-05
234	2	-2.861E-03	-5.747E-05
235	1	-2.892E-03	-6.295E-05
235	2	-2.874E-03	-7.217E-05
236	1	-2.948E-03	-7.697E-05
236	2	-2.933E-03	-8.728E-05
237	1	-2.849E-03	0.000E+00
237	2	-2.830E-03	0.000E+00
238	1	-2.852E-03	-8.170E-06
238	2	-2.833E-03	-9.494E-06
239	1	-2.854E-03	-1.599E-05
239	2	-2.836E-03	-1.864E-05
240	1	-2.863E-03	-2.259E-05
240	2	-2.845E-03	-2.643E-05
241	1	-2.874E-03	-2.761E-05
241	2	-2.856E-03	-3.257E-05
242	1	-2.894E-03	-3.028E-05
242	2	-2.876E-03	-3.586E-05
243	1	-2.922E-03	-2.820E-05
243	2	-2.907E-03	-3.388E-05
244	1	-2.843E-03	0.000E+00
244	2	-2.823E-03	0.000E+00
245	1	-2.843E-03	1.025E-06
245	2	-2.823E-03	6.350E-07
246	1	-2.849E-03	2.413E-06
246	2	-2.830E-03	1.688E-06
247	1	-2.855E-03	4.199E-06

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
247	2	-2.837E-03	3.176E-06
248	1	-2.867E-03	6.271E-06
248	2	-2.849E-03	5.098E-06
249	1	-2.879E-03	9.100E-06
249	2	-2.861E-03	7.862E-06
250	1	-2.891E-03	9.728E-06
250	2	-2.875E-03	8.379E-06
251	1	-2.838E-03	0.000E+00
251	2	-2.818E-03	0.000E+00
252	1	-2.840E-03	6.644E-06
252	2	-2.821E-03	6.791E-06
253	1	-2.844E-03	1.305E-05
253	2	-2.825E-03	1.334E-05
254	1	-2.851E-03	1.880E-05
254	2	-2.833E-03	1.925E-05
255	1	-2.860E-03	2.383E-05
255	2	-2.842E-03	2.442E-05
256	1	-2.869E-03	2.709E-05
256	2	-2.852E-03	2.775E-05
257	1	-2.877E-03	2.981E-05
257	2	-2.860E-03	3.050E-05
258	1	-3.007E-03	-2.930E-03
258	2	-2.990E-03	-2.951E-03
259	1	-2.979E-03	-1.541E-03
259	2	-2.962E-03	-1.563E-03
260	1	-2.947E-03	1.072E-03
260	2	-2.930E-03	1.045E-03
261	1	-2.924E-03	2.321E-03
261	2	-2.906E-03	2.290E-03
262	1	-9.069E-03	-3.389E-03
262	2	-9.042E-03	-3.420E-03
263	1	-9.049E-03	-2.094E-03
263	2	-9.021E-03	-2.128E-03
264	1	-9.012E-03	-8.061E-04
264	2	-8.983E-03	-8.417E-04
265	1	-8.979E-03	4.669E-04

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
265	2	-8.950E-03	4.288E-04
266	1	-8.946E-03	1.749E-03
266	2	-8.916E-03	1.708E-03
267	1	-1.485E-02	-3.789E-03
267	2	-1.482E-02	-3.832E-03
268	1	-1.482E-02	-2.576E-03
268	2	-1.478E-02	-2.621E-03
269	1	-1.480E-02	-1.368E-03
269	2	-1.476E-02	-1.416E-03
270	1	-1.476E-02	-1.682E-04
270	2	-1.471E-02	-2.182E-04
271	1	-1.472E-02	1.043E-03
271	2	-1.468E-02	9.915E-04
272	1	-2.018E-02	-4.099E-03
272	2	-2.013E-02	-4.156E-03
273	1	-2.016E-02	-3.000E-03
273	2	-2.011E-02	-3.058E-03
274	1	-2.011E-02	-1.904E-03
274	2	-2.007E-02	-1.964E-03
275	1	-2.008E-02	-8.167E-04
275	2	-2.003E-02	-8.784E-04
276	1	-2.003E-02	2.796E-04
276	2	-1.998E-02	2.162E-04
277	1	-2.492E-02	-4.343E-03
277	2	-2.487E-02	-4.413E-03
278	1	-2.488E-02	-3.382E-03
278	2	-2.483E-02	-3.453E-03
279	1	-2.486E-02	-2.423E-03
279	2	-2.480E-02	-2.495E-03
280	1	-2.480E-02	-1.471E-03
280	2	-2.475E-02	-1.545E-03
281	1	-2.476E-02	-5.120E-04
281	2	-2.470E-02	-5.866E-04
282	1	-2.897E-02	-4.541E-03
282	2	-2.891E-02	-4.625E-03
283	1	-2.895E-02	-3.733E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
283	2	-2.889E-02	-3.817E-03
284	1	-2.890E-02	-2.926E-03
284	2	-2.884E-02	-3.010E-03
285	1	-2.886E-02	-2.125E-03
285	2	-2.880E-02	-2.210E-03
286	1	-2.880E-02	-1.318E-03
286	2	-2.874E-02	-1.404E-03
287	1	-3.232E-02	-4.710E-03
287	2	-3.226E-02	-4.807E-03
288	1	-3.227E-02	-4.062E-03
288	2	-3.221E-02	-4.159E-03
289	1	-3.224E-02	-3.415E-03
289	2	-3.218E-02	-3.511E-03
290	1	-3.218E-02	-2.773E-03
290	2	-3.212E-02	-2.869E-03
291	1	-3.213E-02	-2.126E-03
291	2	-3.207E-02	-2.222E-03
292	1	-3.489E-02	-4.866E-03
292	2	-3.484E-02	-4.976E-03
293	1	-3.487E-02	-4.380E-03
293	2	-3.481E-02	-4.489E-03
294	1	-3.481E-02	-3.893E-03
294	2	-3.475E-02	-4.002E-03
295	1	-3.477E-02	-3.410E-03
295	2	-3.471E-02	-3.518E-03
296	1	-3.470E-02	-2.925E-03
296	2	-3.464E-02	-3.032E-03
297	1	-3.676E-02	-5.022E-03
297	2	-3.670E-02	-5.145E-03
298	1	-3.671E-02	-4.693E-03
298	2	-3.665E-02	-4.815E-03
299	1	-3.667E-02	-4.362E-03
299	2	-3.662E-02	-4.483E-03
300	1	-3.661E-02	-4.035E-03
300	2	-3.655E-02	-4.154E-03
301	1	-3.656E-02	-3.706E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
301	2	-3.650E-02	-3.824E-03
302	1	-3.790E-02	-5.191E-03
302	2	-3.785E-02	-5.327E-03
303	1	-3.787E-02	-5.008E-03
303	2	-3.782E-02	-5.143E-03
304	1	-3.781E-02	-4.825E-03
304	2	-3.776E-02	-4.958E-03
305	1	-3.776E-02	-4.644E-03
305	2	-3.772E-02	-4.775E-03
306	1	-3.769E-02	-4.462E-03
306	2	-3.765E-02	-4.591E-03
307	1	-3.841E-02	-5.381E-03
307	2	-3.837E-02	-5.531E-03
308	1	-3.836E-02	-5.334E-03
308	2	-3.832E-02	-5.481E-03
309	1	-3.832E-02	-5.284E-03
309	2	-3.828E-02	-5.429E-03
310	1	-3.825E-02	-5.235E-03
310	2	-3.822E-02	-5.378E-03
311	1	-3.820E-02	-5.188E-03
311	2	-3.816E-02	-5.328E-03
312	1	-3.832E-02	-5.603E-03
312	2	-3.830E-02	-5.765E-03
313	1	-3.828E-02	-5.673E-03
313	2	-3.826E-02	-5.833E-03
314	1	-3.823E-02	-5.741E-03
314	2	-3.820E-02	-5.898E-03
315	1	-3.818E-02	-5.809E-03
315	2	-3.815E-02	-5.963E-03
316	1	-3.811E-02	-5.879E-03
316	2	-3.809E-02	-6.031E-03
317	1	-3.775E-02	-5.860E-03
317	2	-3.774E-02	-6.035E-03
318	1	-3.769E-02	-6.030E-03
318	2	-3.768E-02	-6.202E-03
319	1	-3.765E-02	-6.198E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
319	2	-3.764E-02	-6.367E-03
320	1	-3.759E-02	-6.364E-03
320	2	-3.758E-02	-6.530E-03
321	1	-3.754E-02	-6.534E-03
321	2	-3.753E-02	-6.698E-03
322	1	-3.675E-02	-6.158E-03
322	2	-3.675E-02	-6.346E-03
323	1	-3.671E-02	-6.408E-03
323	2	-3.671E-02	-6.592E-03
324	1	-3.665E-02	-6.656E-03
324	2	-3.666E-02	-6.837E-03
325	1	-3.661E-02	-6.902E-03
325	2	-3.661E-02	-7.080E-03
326	1	-3.655E-02	-7.151E-03
326	2	-3.655E-02	-7.326E-03
327	1	-3.545E-02	-6.495E-03
327	2	-3.546E-02	-6.694E-03
328	1	-3.540E-02	-6.807E-03
328	2	-3.541E-02	-7.002E-03
329	1	-3.535E-02	-7.116E-03
329	2	-3.537E-02	-7.309E-03
330	1	-3.530E-02	-7.422E-03
330	2	-3.531E-02	-7.613E-03
331	1	-3.525E-02	-7.733E-03
331	2	-3.526E-02	-7.921E-03
332	1	-3.389E-02	-6.872E-03
332	2	-3.392E-02	-7.081E-03
333	1	-3.385E-02	-7.227E-03
333	2	-3.388E-02	-7.434E-03
334	1	-3.380E-02	-7.580E-03
334	2	-3.382E-02	-7.785E-03
335	1	-3.375E-02	-7.930E-03
335	2	-3.378E-02	-8.133E-03
336	1	-3.370E-02	-8.284E-03
336	2	-3.372E-02	-8.486E-03
337	1	-3.219E-02	-7.284E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
337	2	-3.222E-02	-7.503E-03
338	1	-3.214E-02	-7.667E-03
338	2	-3.217E-02	-7.885E-03
339	1	-3.209E-02	-8.048E-03
339	2	-3.212E-02	-8.265E-03
340	1	-3.204E-02	-8.426E-03
340	2	-3.207E-02	-8.642E-03
341	1	-3.199E-02	-8.808E-03
341	2	-3.202E-02	-9.023E-03
342	1	-3.039E-02	-7.730E-03
342	2	-3.042E-02	-7.958E-03
343	1	-3.034E-02	-8.125E-03
343	2	-3.038E-02	-8.354E-03
344	1	-3.029E-02	-8.519E-03
344	2	-3.033E-02	-8.748E-03
345	1	-3.024E-02	-8.911E-03
345	2	-3.028E-02	-9.140E-03
346	1	-3.020E-02	-9.306E-03
346	2	-3.023E-02	-9.536E-03
347	1	-2.856E-02	-8.207E-03
347	2	-2.859E-02	-8.443E-03
348	1	-2.851E-02	-8.603E-03
348	2	-2.854E-02	-8.841E-03
349	1	-2.846E-02	-8.997E-03
349	2	-2.849E-02	-9.237E-03
350	1	-2.842E-02	-9.387E-03
350	2	-2.845E-02	-9.631E-03
351	1	-2.837E-02	-9.782E-03
351	2	-2.840E-02	-1.002E-02
352	1	-2.676E-02	-8.715E-03
352	2	-2.678E-02	-8.958E-03
353	1	-2.671E-02	-9.098E-03
353	2	-2.673E-02	-9.345E-03
354	1	-2.667E-02	-9.478E-03
354	2	-2.668E-02	-9.731E-03
355	1	-2.662E-02	-9.856E-03

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
355	2	-2.664E-02	-1.011E-02
356	1	-2.658E-02	-1.023E-02
356	2	-2.659E-02	-1.050E-02
357	1	-2.505E-02	-9.250E-03
357	2	-2.504E-02	-9.499E-03
358	1	-2.501E-02	-9.608E-03
358	2	-2.499E-02	-9.865E-03
359	1	-2.496E-02	-9.965E-03
359	2	-2.494E-02	-1.022E-02
360	1	-2.492E-02	-1.031E-02
360	2	-2.490E-02	-1.059E-02
361	1	-2.487E-02	-1.067E-02
361	2	-2.486E-02	-1.095E-02
362	1	-2.348E-02	-9.808E-03
362	2	-2.342E-02	-1.006E-02
363	1	-2.343E-02	-1.013E-02
363	2	-2.338E-02	-1.039E-02
364	1	-2.339E-02	-1.045E-02
364	2	-2.333E-02	-1.073E-02
365	1	-2.335E-02	-1.077E-02
365	2	-2.329E-02	-1.106E-02
366	1	-2.331E-02	-1.109E-02
366	2	-2.325E-02	-1.139E-02
367	1	-2.208E-02	-1.034E-02
367	2	-2.196E-02	-1.059E-02
368	1	-2.204E-02	-1.062E-02
368	2	-2.192E-02	-1.089E-02
369	1	-2.199E-02	-1.090E-02
369	2	-2.187E-02	-1.119E-02
370	1	-2.196E-02	-1.118E-02
370	2	-2.184E-02	-1.148E-02
371	1	-2.192E-02	-1.146E-02
371	2	-2.180E-02	-1.178E-02
372	1	-2.089E-02	-1.089E-02
372	2	-2.068E-02	-1.115E-02
373	1	-2.084E-02	-1.112E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
373	2	-2.064E-02	-1.140E-02
374	1	-2.080E-02	-1.135E-02
374	2	-2.060E-02	-1.165E-02
375	1	-2.076E-02	-1.159E-02
375	2	-2.056E-02	-1.191E-02
376	1	-2.073E-02	-1.182E-02
376	2	-2.053E-02	-1.216E-02
377	1	-1.991E-02	-1.136E-02
377	2	-1.960E-02	-1.161E-02
378	1	-1.987E-02	-1.156E-02
378	2	-1.956E-02	-1.184E-02
379	1	-1.983E-02	-1.176E-02
379	2	-1.952E-02	-1.207E-02
380	1	-1.979E-02	-1.197E-02
380	2	-1.948E-02	-1.230E-02
381	1	-1.975E-02	-1.217E-02
381	2	-1.944E-02	-1.254E-02
382	1	-1.912E-02	-1.186E-02
382	2	-1.867E-02	-1.211E-02
383	1	-1.907E-02	-1.202E-02
383	2	-1.863E-02	-1.231E-02
384	1	-1.903E-02	-1.218E-02
384	2	-1.859E-02	-1.250E-02
385	1	-1.899E-02	-1.235E-02
385	2	-1.855E-02	-1.270E-02
386	1	-1.896E-02	-1.251E-02
386	2	-1.851E-02	-1.290E-02
387	1	-1.850E-02	-1.237E-02
387	2	-1.789E-02	-1.262E-02
388	1	-1.846E-02	-1.249E-02
388	2	-1.785E-02	-1.278E-02
389	1	-1.841E-02	-1.261E-02
389	2	-1.781E-02	-1.294E-02
390	1	-1.838E-02	-1.273E-02
390	2	-1.777E-02	-1.310E-02
391	1	-1.834E-02	-1.285E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
391	2	-1.774E-02	-1.326E-02
392	1	-1.809E-02	-1.290E-02
392	2	-1.730E-02	-1.314E-02
393	1	-1.805E-02	-1.297E-02
393	2	-1.725E-02	-1.326E-02
394	1	-1.801E-02	-1.303E-02
394	2	-1.722E-02	-1.338E-02
395	1	-1.797E-02	-1.310E-02
395	2	-1.718E-02	-1.350E-02
396	1	-1.794E-02	-1.317E-02
396	2	-1.714E-02	-1.361E-02
397	1	-1.791E-02	-1.343E-02
397	2	-1.689E-02	-1.367E-02
398	1	-1.787E-02	-1.344E-02
398	2	-1.685E-02	-1.375E-02
399	1	-1.782E-02	-1.346E-02
399	2	-1.681E-02	-1.382E-02
400	1	-1.779E-02	-1.347E-02
400	2	-1.678E-02	-1.389E-02
401	1	-1.775E-02	-1.349E-02
401	2	-1.674E-02	-1.396E-02
402	1	-1.796E-02	-1.396E-02
402	2	-1.669E-02	-1.420E-02
403	1	-1.792E-02	-1.392E-02
403	2	-1.665E-02	-1.423E-02
404	1	-1.788E-02	-1.388E-02
404	2	-1.661E-02	-1.425E-02
405	1	-1.784E-02	-1.384E-02
405	2	-1.657E-02	-1.428E-02
406	1	-1.781E-02	-1.381E-02
406	2	-1.654E-02	-1.430E-02
407	1	-1.824E-02	-1.448E-02
407	2	-1.669E-02	-1.473E-02
408	1	-1.820E-02	-1.439E-02
408	2	-1.665E-02	-1.471E-02
409	1	-1.815E-02	-1.430E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
409	2	-1.660E-02	-1.469E-02
410	1	-1.812E-02	-1.421E-02
410	2	-1.657E-02	-1.467E-02
411	1	-1.808E-02	-1.413E-02
411	2	-1.653E-02	-1.465E-02
412	1	-1.873E-02	-1.499E-02
412	2	-1.687E-02	-1.524E-02
413	1	-1.869E-02	-1.485E-02
413	2	-1.682E-02	-1.518E-02
414	1	-1.865E-02	-1.472E-02
414	2	-1.679E-02	-1.512E-02
415	1	-1.860E-02	-1.459E-02
415	2	-1.674E-02	-1.507E-02
416	1	-1.857E-02	-1.446E-02
416	2	-1.671E-02	-1.501E-02
417	1	-1.939E-02	-1.547E-02
417	2	-1.720E-02	-1.573E-02
418	1	-1.935E-02	-1.530E-02
418	2	-1.716E-02	-1.564E-02
419	1	-1.931E-02	-1.514E-02
419	2	-1.711E-02	-1.556E-02
420	1	-1.927E-02	-1.497E-02
420	2	-1.708E-02	-1.547E-02
421	1	-1.923E-02	-1.481E-02
421	2	-1.704E-02	-1.538E-02
422	1	-2.018E-02	-1.592E-02
422	2	-1.763E-02	-1.619E-02
423	1	-2.013E-02	-1.573E-02
423	2	-1.759E-02	-1.609E-02
424	1	-2.009E-02	-1.555E-02
424	2	-1.755E-02	-1.599E-02
425	1	-2.005E-02	-1.537E-02
425	2	-1.751E-02	-1.588E-02
426	1	-2.001E-02	-1.518E-02
426	2	-1.747E-02	-1.578E-02
427	1	-2.100E-02	-1.633E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
427	2	-1.810E-02	-1.662E-02
428	1	-2.096E-02	-1.614E-02
428	2	-1.806E-02	-1.652E-02
429	1	-2.092E-02	-1.596E-02
429	2	-1.802E-02	-1.641E-02
430	1	-2.088E-02	-1.577E-02
430	2	-1.798E-02	-1.631E-02
431	1	-2.083E-02	-1.559E-02
431	2	-1.794E-02	-1.621E-02
432	1	-2.179E-02	-1.670E-02
432	2	-1.854E-02	-1.702E-02
433	1	-2.175E-02	-1.653E-02
433	2	-1.850E-02	-1.693E-02
434	1	-2.170E-02	-1.636E-02
434	2	-1.846E-02	-1.684E-02
435	1	-2.166E-02	-1.619E-02
435	2	-1.842E-02	-1.675E-02
436	1	-2.162E-02	-1.603E-02
436	2	-1.838E-02	-1.666E-02
437	1	-2.245E-02	-1.703E-02
437	2	-1.889E-02	-1.738E-02
438	1	-2.241E-02	-1.690E-02
438	2	-1.884E-02	-1.731E-02
439	1	-2.237E-02	-1.676E-02
439	2	-1.880E-02	-1.725E-02
440	1	-2.231E-02	-1.663E-02
440	2	-1.876E-02	-1.719E-02
441	1	-2.227E-02	-1.650E-02
441	2	-1.871E-02	-1.713E-02
442	1	-2.287E-02	-1.726E-02
442	2	-1.903E-02	-1.766E-02
443	1	-2.284E-02	-1.720E-02
443	2	-1.900E-02	-1.765E-02
444	1	-2.279E-02	-1.713E-02
444	2	-1.895E-02	-1.764E-02
445	1	-2.275E-02	-1.707E-02

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
445	2	-1.891E-02	-1.764E-02
446	1	-2.269E-02	-1.700E-02
446	2	-1.886E-02	-1.763E-02
447	1	-2.300E-02	-1.746E-02
447	2	-1.895E-02	-1.792E-02
448	1	-2.296E-02	-1.748E-02
448	2	-1.891E-02	-1.797E-02
449	1	-2.292E-02	-1.750E-02
449	2	-1.888E-02	-1.803E-02
450	1	-2.287E-02	-1.751E-02
450	2	-1.883E-02	-1.808E-02
451	1	-2.283E-02	-1.753E-02
451	2	-1.879E-02	-1.814E-02
452	1	-2.274E-02	-1.766E-02
452	2	-1.856E-02	-1.820E-02
453	1	-2.270E-02	-1.776E-02
453	2	-1.854E-02	-1.830E-02
454	1	-2.265E-02	-1.786E-02
454	2	-1.849E-02	-1.841E-02
455	1	-2.261E-02	-1.796E-02
455	2	-1.846E-02	-1.852E-02
456	1	-2.256E-02	-1.806E-02
456	2	-1.842E-02	-1.864E-02
457	1	-2.234E-02	-1.768E-02
457	2	-1.820E-02	-1.824E-02
458	1	-2.232E-02	-1.787E-02
458	2	-1.817E-02	-1.843E-02
459	1	-2.230E-02	-1.804E-02
459	2	-1.815E-02	-1.859E-02
460	1	-2.226E-02	-1.817E-02
460	2	-1.812E-02	-1.873E-02
461	1	-2.222E-02	-1.831E-02
461	2	-1.808E-02	-1.886E-02
462	1	-2.180E-02	-1.766E-02
462	2	-1.772E-02	-1.824E-02
463	1	-2.186E-02	-1.802E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
463	2	-1.776E-02	-1.858E-02
464	1	-2.188E-02	-1.821E-02
464	2	-1.777E-02	-1.877E-02
465	1	-2.189E-02	-1.836E-02
465	2	-1.778E-02	-1.892E-02
466	1	-2.188E-02	-1.842E-02
466	2	-1.778E-02	-1.898E-02
467	1	-2.250E-02	-1.694E-02
467	2	-1.830E-02	-1.763E-02
468	1	-2.195E-02	-1.689E-02
468	2	-1.785E-02	-1.759E-02
469	1	-2.142E-02	-1.687E-02
469	2	-1.740E-02	-1.757E-02
470	1	-2.204E-02	-1.592E-02
470	2	-1.789E-02	-1.685E-02
471	1	-2.152E-02	-1.590E-02
471	2	-1.747E-02	-1.683E-02
472	1	-2.089E-02	-1.586E-02
472	2	-1.699E-02	-1.680E-02
473	1	-2.152E-02	-1.469E-02
473	2	-1.744E-02	-1.596E-02
474	1	-2.087E-02	-1.466E-02
474	2	-1.696E-02	-1.593E-02
475	1	-2.023E-02	-1.463E-02
475	2	-1.649E-02	-1.591E-02
476	1	-2.081E-02	-1.322E-02
476	2	-1.689E-02	-1.493E-02
477	1	-2.017E-02	-1.320E-02
477	2	-1.642E-02	-1.492E-02
478	1	-1.946E-02	-1.317E-02
478	2	-1.592E-02	-1.489E-02
479	1	-2.017E-02	-1.155E-02
479	2	-1.639E-02	-1.380E-02
480	1	-1.941E-02	-1.152E-02
480	2	-1.586E-02	-1.378E-02
481	1	-1.865E-02	-1.150E-02

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
481	2	-1.533E-02	-1.376E-02
482	1	-1.943E-02	-9.697E-03
482	2	-1.584E-02	-1.255E-02
483	1	-1.863E-02	-9.677E-03
483	2	-1.528E-02	-1.253E-02
484	1	-1.777E-02	-9.649E-03
484	2	-1.469E-02	-1.251E-02
485	1	-1.848E-02	-7.687E-03
485	2	-1.516E-02	-1.119E-02
486	1	-1.760E-02	-7.663E-03
486	2	-1.454E-02	-1.117E-02
487	1	-1.671E-02	-7.642E-03
487	2	-1.392E-02	-1.115E-02
488	1	-1.746E-02	-5.571E-03
488	2	-1.441E-02	-9.761E-03
489	1	-1.656E-02	-5.550E-03
489	2	-1.378E-02	-9.744E-03
490	1	-1.563E-02	-5.529E-03
490	2	-1.314E-02	-9.726E-03
491	1	-1.608E-02	-2.682E-03
491	2	-1.341E-02	-7.802E-03
492	1	-1.515E-02	-2.661E-03
492	2	-1.276E-02	-7.785E-03
493	1	-1.422E-02	-2.642E-03
493	2	-1.211E-02	-7.768E-03
494	1	-1.470E-02	2.181E-04
494	2	-1.241E-02	-5.836E-03
495	1	-1.378E-02	2.377E-04
495	2	-1.176E-02	-5.819E-03
496	1	-1.286E-02	2.547E-04
496	2	-1.112E-02	-5.803E-03
497	1	-1.336E-02	3.077E-03
497	2	-1.143E-02	-3.899E-03
498	1	-1.246E-02	3.094E-03
498	2	-1.080E-02	-3.884E-03
499	1	-1.155E-02	3.111E-03

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
499	2	-1.017E-02	-3.868E-03
500	1	-1.206E-02	5.864E-03
500	2	-1.049E-02	-2.016E-03
501	1	-1.118E-02	5.882E-03
501	2	-9.879E-03	-2.000E-03
502	1	-1.031E-02	5.896E-03
502	2	-9.278E-03	-1.987E-03
503	1	-1.083E-02	8.550E-03
503	2	-9.591E-03	-2.082E-04
504	1	-9.994E-03	8.564E-03
504	2	-9.014E-03	-1.947E-04
505	1	-9.149E-03	8.580E-03
505	2	-8.430E-03	-1.795E-04
506	1	-9.677E-03	1.110E-02
506	2	-8.754E-03	1.502E-03
507	1	-8.867E-03	1.111E-02
507	2	-8.196E-03	1.517E-03
508	1	-8.082E-03	1.112E-02
508	2	-7.657E-03	1.528E-03
509	1	-8.423E-03	1.351E-02
509	2	-7.845E-03	3.104E-03
510	1	-7.756E-03	1.352E-02
510	2	-7.391E-03	3.114E-03
511	1	-7.080E-03	1.353E-02
511	2	-6.930E-03	3.127E-03
512	1	-7.426E-03	1.573E-02
512	2	-7.117E-03	4.548E-03
513	1	-6.797E-03	1.574E-02
513	2	-6.693E-03	4.563E-03
514	1	-6.195E-03	1.575E-02
514	2	-6.292E-03	4.571E-03
515	1	-6.508E-03	1.775E-02
515	2	-6.449E-03	5.837E-03
516	1	-5.954E-03	1.775E-02
516	2	-6.086E-03	5.847E-03
517	1	-5.390E-03	1.777E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
517	2	-5.715E-03	5.860E-03
518	1	-5.697E-03	1.956E-02
518	2	-5.866E-03	6.964E-03
519	1	-5.182E-03	1.958E-02
519	2	-5.533E-03	6.977E-03
520	1	-4.692E-03	1.958E-02
520	2	-5.222E-03	6.985E-03
521	1	-4.960E-03	2.119E-02
521	2	-5.338E-03	7.935E-03
522	1	-4.518E-03	2.119E-02
522	2	-5.065E-03	7.944E-03
523	1	-4.067E-03	2.120E-02
523	2	-4.785E-03	7.956E-03
524	1	-4.327E-03	2.261E-02
524	2	-4.892E-03	8.743E-03
525	1	-3.922E-03	2.262E-02
525	2	-4.649E-03	8.756E-03
526	1	-3.542E-03	2.262E-02
526	2	-4.428E-03	8.763E-03
527	1	-3.668E-03	2.384E-02
527	2	-4.439E-03	9.395E-03
528	1	-3.372E-03	2.384E-02
528	2	-4.278E-03	9.402E-03
529	1	-3.071E-03	2.385E-02
529	2	-4.112E-03	9.413E-03
530	1	-3.183E-03	2.484E-02
530	2	-4.104E-03	9.847E-03
531	1	-2.928E-03	2.485E-02
531	2	-3.979E-03	9.860E-03
532	1	-2.697E-03	2.486E-02
532	2	-3.874E-03	9.866E-03
533	1	-2.764E-03	2.564E-02
533	2	-3.824E-03	1.011E-02
534	1	-2.577E-03	2.564E-02
534	2	-3.758E-03	1.012E-02
535	1	-2.384E-03	2.565E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
535	2	-3.687E-03	1.013E-02
536	1	-2.432E-03	2.622E-02
536	2	-3.618E-03	1.020E-02
537	1	-2.281E-03	2.623E-02
537	2	-3.585E-03	1.021E-02
538	1	-2.150E-03	2.623E-02
538	2	-3.569E-03	1.022E-02
539	1	-2.154E-03	2.662E-02
539	2	-3.457E-03	1.012E-02
540	1	-2.061E-03	2.663E-02
540	2	-3.475E-03	1.013E-02
541	1	-1.964E-03	2.664E-02
541	2	-3.490E-03	1.014E-02
542	1	-1.947E-03	2.685E-02
542	2	-3.356E-03	9.890E-03
543	1	-1.886E-03	2.686E-02
543	2	-3.403E-03	9.903E-03
544	1	-1.840E-03	2.686E-02
544	2	-3.464E-03	9.911E-03
545	1	-1.781E-03	2.692E-02
545	2	-3.290E-03	9.517E-03
546	1	-1.767E-03	2.693E-02
546	2	-3.380E-03	9.526E-03
547	1	-1.749E-03	2.693E-02
547	2	-3.466E-03	9.537E-03
548	1	-1.668E-03	2.685E-02
548	2	-3.269E-03	9.014E-03
549	1	-1.679E-03	2.686E-02
549	2	-3.382E-03	9.026E-03
550	1	-1.702E-03	2.686E-02
550	2	-3.506E-03	9.035E-03
551	1	-1.584E-03	2.666E-02
551	2	-3.273E-03	8.405E-03
552	1	-1.632E-03	2.666E-02
552	2	-3.418E-03	8.415E-03
553	1	-1.677E-03	2.667E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
553	2	-3.561E-03	8.427E-03
554	1	-1.538E-03	2.636E-02
554	2	-3.308E-03	7.702E-03
555	1	-1.605E-03	2.637E-02
555	2	-3.470E-03	7.715E-03
556	1	-1.679E-03	2.637E-02
556	2	-3.638E-03	7.725E-03
557	1	-1.511E-03	2.597E-02
557	2	-3.358E-03	6.931E-03
558	1	-1.602E-03	2.598E-02
558	2	-3.539E-03	6.943E-03
559	1	-1.693E-03	2.599E-02
559	2	-3.720E-03	6.955E-03
560	1	-1.517E-03	2.556E-02
560	2	-3.445E-03	6.195E-03
561	1	-1.612E-03	2.556E-02
561	2	-3.615E-03	6.207E-03
562	1	-1.717E-03	2.557E-02
562	2	-3.792E-03	6.216E-03
563	1	-1.522E-03	2.504E-02
563	2	-3.515E-03	5.378E-03
564	1	-1.655E-03	2.505E-02
564	2	-3.721E-03	5.390E-03
565	1	-1.779E-03	2.506E-02
565	2	-3.914E-03	5.403E-03
566	1	-1.537E-03	2.442E-02
566	2	-3.580E-03	4.478E-03
567	1	-1.685E-03	2.443E-02
567	2	-3.793E-03	4.492E-03
568	1	-1.841E-03	2.444E-02
568	2	-4.011E-03	4.503E-03
569	1	-1.559E-03	2.371E-02
569	2	-3.645E-03	3.503E-03
570	1	-1.734E-03	2.371E-02
570	2	-3.876E-03	3.516E-03
571	1	-1.910E-03	2.372E-02

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
571	2	-4.108E-03	3.529E-03
572	1	-1.602E-03	2.290E-02
572	2	-3.725E-03	2.481E-03
573	1	-1.794E-03	2.291E-02
573	2	-3.964E-03	2.494E-03
574	1	-1.991E-03	2.292E-02
574	2	-4.204E-03	2.508E-03
575	1	-1.657E-03	2.204E-02
575	2	-3.813E-03	1.452E-03
576	1	-1.863E-03	2.205E-02
576	2	-4.048E-03	1.466E-03
577	1	-2.069E-03	2.206E-02
577	2	-4.286E-03	1.480E-03
578	1	-1.720E-03	2.114E-02
578	2	-3.898E-03	4.564E-04
579	1	-1.933E-03	2.115E-02
579	2	-4.125E-03	4.690E-04
580	1	-2.146E-03	2.116E-02
580	2	-4.346E-03	4.862E-04
581	1	-1.789E-03	2.036E-02
581	2	-3.984E-03	-3.312E-04
582	1	-1.970E-03	2.037E-02
582	2	-4.148E-03	-3.166E-04
583	1	-2.153E-03	2.038E-02
583	2	-4.315E-03	-3.042E-04
584	1	-1.861E-03	1.959E-02
584	2	-4.045E-03	-9.847E-04
585	1	-2.040E-03	1.960E-02
585	2	-4.179E-03	-9.749E-04
586	1	-2.216E-03	1.961E-02
586	2	-4.300E-03	-9.575E-04
587	1	-1.894E-03	1.883E-02
587	2	-4.060E-03	-1.478E-03
588	1	-2.065E-03	1.884E-02
588	2	-4.141E-03	-1.462E-03
589	1	-2.236E-03	1.885E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
589	2	-4.225E-03	-1.451E-03
590	1	-1.918E-03	1.813E-02
590	2	-4.037E-03	-1.747E-03
591	1	-2.081E-03	1.813E-02
591	2	-4.076E-03	-1.737E-03
592	1	-2.241E-03	1.815E-02
592	2	-4.105E-03	-1.718E-03
593	1	-1.931E-03	1.745E-02
593	2	-3.982E-03	-1.842E-03
594	1	-2.085E-03	1.746E-02
594	2	-3.974E-03	-1.825E-03
595	1	-2.240E-03	1.747E-02
595	2	-3.969E-03	-1.812E-03
596	1	-1.933E-03	1.681E-02
596	2	-3.889E-03	-1.785E-03
597	1	-2.083E-03	1.682E-02
597	2	-3.854E-03	-1.773E-03
598	1	-2.231E-03	1.683E-02
598	2	-3.812E-03	-1.755E-03
599	1	-1.926E-03	1.618E-02
599	2	-3.778E-03	-1.615E-03
600	1	-2.071E-03	1.619E-02
600	2	-3.713E-03	-1.599E-03
601	1	-2.217E-03	1.620E-02
601	2	-3.649E-03	-1.585E-03
602	1	-1.912E-03	1.556E-02
602	2	-3.646E-03	-1.350E-03
603	1	-2.056E-03	1.557E-02
603	2	-3.564E-03	-1.337E-03
604	1	-2.200E-03	1.558E-02
604	2	-3.478E-03	-1.321E-03
605	1	-1.892E-03	1.495E-02
605	2	-3.504E-03	-1.021E-03
606	1	-2.037E-03	1.496E-02
606	2	-3.405E-03	-1.006E-03
607	1	-2.179E-03	1.497E-02

5620

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
607	2	-3.309E-03	-9.923E-04
608	1	-1.868E-03	1.434E-02
608	2	-3.352E-03	-6.458E-04
609	1	-2.013E-03	1.435E-02
609	2	-3.246E-03	-6.316E-04
610	1	-2.158E-03	1.436E-02
610	2	-3.140E-03	-6.166E-04
611	1	-1.840E-03	1.372E-02
611	2	-3.196E-03	-2.447E-04
612	1	-1.988E-03	1.373E-02
612	2	-3.086E-03	-2.298E-04
613	1	-2.136E-03	1.374E-02
613	2	-2.976E-03	-2.153E-04
614	1	-1.807E-03	1.309E-02
614	2	-3.038E-03	1.679E-04
615	1	-1.957E-03	1.310E-02
615	2	-2.926E-03	1.827E-04
616	1	-2.097E-03	1.311E-02
616	2	-2.823E-03	1.961E-04
617	1	-1.772E-03	1.245E-02
617	2	-2.879E-03	5.819E-04
618	1	-1.926E-03	1.246E-02
618	2	-2.770E-03	5.964E-04
619	1	-2.079E-03	1.247E-02
619	2	-2.659E-03	6.108E-04
620	1	-1.735E-03	1.179E-02
620	2	-2.727E-03	9.846E-04
621	1	-1.894E-03	1.180E-02
621	2	-2.621E-03	9.997E-04
622	1	-2.052E-03	1.182E-02
622	2	-2.516E-03	1.013E-03
623	1	-1.699E-03	1.112E-02
623	2	-2.578E-03	1.366E-03
624	1	-1.861E-03	1.113E-02
624	2	-2.478E-03	1.381E-03
625	1	-2.026E-03	1.114E-02

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
625	2	-2.380E-03	1.396E-03
626	1	-1.684E-03	1.053E-02
626	2	-2.414E-03	1.653E-03
627	1	-1.826E-03	1.055E-02
627	2	-2.341E-03	1.668E-03
628	1	-1.971E-03	1.056E-02
628	2	-2.271E-03	1.679E-03
629	1	-1.631E-03	9.906E-03
629	2	-2.251E-03	1.876E-03
630	1	-1.790E-03	9.918E-03
630	2	-2.199E-03	1.889E-03
631	1	-1.947E-03	9.931E-03
631	2	-2.146E-03	1.903E-03
632	1	-1.560E-03	9.207E-03
632	2	-2.101E-03	2.011E-03
633	1	-1.735E-03	9.221E-03
633	2	-2.071E-03	2.027E-03
634	1	-1.912E-03	9.232E-03
634	2	-2.044E-03	2.038E-03
635	1	-1.490E-03	8.439E-03
635	2	-1.958E-03	2.053E-03
636	1	-1.685E-03	8.451E-03
636	2	-1.954E-03	2.066E-03
637	1	-1.878E-03	8.465E-03
637	2	-1.950E-03	2.080E-03
638	1	-1.425E-03	7.599E-03
638	2	-1.826E-03	1.995E-03
639	1	-1.635E-03	7.614E-03
639	2	-1.844E-03	2.011E-03
640	1	-1.847E-03	7.626E-03
640	2	-1.866E-03	2.022E-03
641	1	-1.359E-03	6.697E-03
641	2	-1.699E-03	1.844E-03
642	1	-1.586E-03	6.710E-03
642	2	-1.744E-03	1.856E-03
643	1	-1.814E-03	6.724E-03

5620

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
643	2	-1.788E-03	1.871E-03
644	1	-1.283E-03	5.733E-03
644	2	-1.580E-03	1.598E-03
645	1	-1.523E-03	5.747E-03
645	2	-1.644E-03	1.614E-03
646	1	-1.764E-03	5.760E-03
646	2	-1.711E-03	1.626E-03
647	1	-1.240E-03	4.725E-03
647	2	-1.474E-03	1.276E-03
648	1	-1.492E-03	4.738E-03
648	2	-1.560E-03	1.289E-03
649	1	-1.745E-03	4.753E-03
649	2	-1.646E-03	1.304E-03
650	1	-1.176E-03	3.664E-03
650	2	-1.368E-03	8.685E-04
651	1	-1.441E-03	3.679E-03
651	2	-1.473E-03	8.843E-04
652	1	-1.706E-03	3.693E-03
652	2	-1.581E-03	8.964E-04
653	1	-1.115E-03	2.558E-03
653	2	-1.266E-03	3.823E-04
654	1	-1.392E-03	2.572E-03
654	2	-1.392E-03	3.953E-04
655	1	-1.669E-03	2.587E-03
655	2	-1.518E-03	4.104E-04
656	1	-1.051E-03	1.409E-03
656	2	-1.168E-03	-1.804E-04
657	1	-1.338E-03	1.424E-03
657	2	-1.312E-03	-1.649E-04
658	1	-1.625E-03	1.438E-03
658	2	-1.457E-03	-1.519E-04
659	1	-9.904E-04	2.286E-04
659	2	-1.075E-03	-8.063E-04
660	1	-1.285E-03	2.427E-04
660	2	-1.236E-03	-7.929E-04
661	1	-1.580E-03	2.586E-04

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
661	2	-1.396E-03	-7.775E-04
662	1	-9.255E-04	-9.844E-04
662	2	-9.858E-04	-1.493E-03
663	1	-1.227E-03	-9.696E-04
663	2	-1.159E-03	-1.477E-03
664	1	-1.530E-03	-9.533E-04
664	2	-1.334E-03	-1.463E-03
665	1	-8.579E-04	-2.217E-03
665	2	-8.968E-04	-2.225E-03
666	1	-1.164E-03	-2.202E-03
666	2	-1.081E-03	-2.211E-03
667	1	-1.471E-03	-2.185E-03
667	2	-1.265E-03	-2.195E-03
668	1	-7.936E-04	-3.464E-03
668	2	-8.142E-04	-2.994E-03
669	1	-1.103E-03	-3.449E-03
669	2	-1.006E-03	-2.979E-03
670	1	-1.415E-03	-3.430E-03
670	2	-1.200E-03	-2.962E-03
671	1	-7.188E-04	-4.719E-03
671	2	-7.274E-04	-3.788E-03
672	1	-1.027E-03	-4.703E-03
672	2	-9.232E-04	-3.772E-03
673	1	-1.336E-03	-4.684E-03
673	2	-1.118E-03	-3.755E-03
674	1	-6.501E-04	-5.960E-03
674	2	-6.498E-04	-4.583E-03
675	1	-9.551E-04	-5.942E-03
675	2	-8.446E-04	-4.567E-03
676	1	-1.267E-03	-5.919E-03
676	2	-1.045E-03	-4.547E-03
677	1	-6.682E-04	-6.937E-03
677	2	-6.271E-04	-5.215E-03
678	1	-9.022E-04	-6.919E-03
678	2	-7.777E-04	-5.199E-03
679	1	-1.142E-03	-6.899E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
679	2	-9.327E-04	-5.181E-03
680	1	-5.483E-04	-7.881E-03
680	2	-5.109E-04	-5.833E-03
681	1	-7.819E-04	-7.862E-03
681	2	-6.641E-04	-5.816E-03
682	1	-1.022E-03	-7.836E-03
682	2	-8.226E-04	-5.794E-03
683	1	-3.930E-04	-8.807E-03
683	2	-3.706E-04	-6.445E-03
684	1	-6.125E-04	-8.783E-03
684	2	-5.152E-04	-6.425E-03
685	1	-8.278E-04	-8.759E-03
685	2	-6.567E-04	-6.404E-03
686	1	-2.480E-04	-9.634E-03
686	2	-2.391E-04	-6.991E-03
687	1	-4.476E-04	-9.615E-03
687	2	-3.709E-04	-6.974E-03
688	1	-6.546E-04	-9.581E-03
688	2	-5.081E-04	-6.947E-03
689	1	-6.597E-05	-1.036E-02
689	2	-8.073E-05	-7.477E-03
690	1	-2.152E-04	-1.034E-02
690	2	-1.789E-04	-7.454E-03
691	1	-3.632E-04	-1.031E-02
691	2	-2.758E-04	-7.431E-03
692	1	8.298E-05	-1.081E-02
692	2	5.303E-05	-7.768E-03
693	1	1.034E-05	-1.081E-02
693	2	7.084E-06	-7.760E-03
694	1	-3.181E-05	-1.076E-02
694	2	-1.784E-05	-7.721E-03

NORTHK65

MICAS REV 3.4 FINITE ELEMENT ANALYSIS
AXI-SYMETRIC 11/14/88 10:55:45

****
* STRESSES *
****

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
1	1	-29.020	-17.654	-29.693	0.060	-17.654	-29.021	89.694
1	2	-28.887	-17.655	-29.558	0.060	-17.655	-28.888	89.693
2	1	-27.890	-12.969	-29.464	-0.615	-12.943	-27.915	92.356
2	2	-27.758	-12.968	-29.325	-0.612	-12.943	-27.783	92.367
3	1	-27.802	-12.814	-29.163	0.398	-12.803	-27.812	88.479
3	2	-27.669	-12.814	-29.025	0.395	-12.803	-27.680	88.476
4	1	-28.991	-17.384	-29.424	-0.423	-17.369	-29.006	92.085
4	2	-28.858	-17.385	-29.290	-0.422	-17.370	-28.874	92.106
5	1	-29.727	-17.781	-29.628	0.060	-17.781	-29.727	89.709
5	2	-29.589	-17.781	-29.492	0.060	-17.780	-29.590	89.708
6	1	-29.963	-18.686	-29.867	-0.030	-18.686	-29.963	90.155
6	2	-29.825	-18.686	-29.731	-0.030	-18.686	-29.825	90.157
7	1	-29.939	-18.589	-29.840	-0.050	-18.589	-29.940	90.255
7	2	-29.802	-18.589	-29.703	-0.050	-18.589	-29.802	90.258
8	1	-29.835	-17.579	-29.551	0.119	-17.578	-29.837	89.441
8	2	-29.698	-17.579	-29.416	0.120	-17.578	-29.699	89.432
9	1	-29.852	-18.737	-29.877	0.003	-18.737	-29.852	89.984
9	2	-29.715	-18.737	-29.741	0.003	-18.737	-29.715	89.984
10	1	-29.867	-18.666	-29.866	0.046	-18.666	-29.867	89.762
10	2	-29.729	-18.666	-29.730	0.046	-18.666	-29.730	89.759
11	1	-29.842	-18.570	-29.829	0.026	-18.569	-29.842	89.866
11	2	-29.705	-18.570	-29.693	0.026	-18.570	-29.705	89.864
12	1	-29.844	-18.506	-29.819	0.001	-18.506	-29.844	89.992
12	2	-29.706	-18.506	-29.683	0.001	-18.506	-29.706	89.992
13	1	-29.883	-18.742	-29.877	0.003	-18.742	-29.883	89.984
13	2	-29.746	-18.742	-29.740	0.003	-18.742	-29.746	89.984

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
14	1	-29.865	-18.677	-29.860	0.006	-18.677	-29.865	89.967
14	2	-29.728	-18.677	-29.723	0.006	-18.677	-29.728	89.967
15	1	-29.837	-18.558	-29.831	0.006	-18.558	-29.837	89.967
15	2	-29.700	-18.558	-29.694	0.006	-18.558	-29.700	89.967
16	1	-29.820	-18.501	-29.822	0.003	-18.501	-29.820	89.983
16	2	-29.683	-18.501	-29.686	0.003	-18.501	-29.683	89.983
17	1	-29.882	-18.732	-29.876	0.000	-18.732	-29.882	90.000
17	2	-29.745	-18.732	-29.739	0.000	-18.732	-29.745	90.000
18	1	-29.867	-18.677	-29.865	-0.005	-18.677	-29.867	90.026
18	2	-29.730	-18.677	-29.729	-0.005	-18.677	-29.730	90.026
19	1	-29.838	-18.558	-29.837	-0.004	-18.558	-29.838	90.025
19	2	-29.701	-18.558	-29.700	-0.004	-18.558	-29.701	90.025
20	1	-29.819	-18.504	-29.819	0.000	-18.504	-29.819	89.999
20	2	-29.682	-18.504	-29.682	0.000	-18.504	-29.682	89.999
21	1	-29.878	-18.732	-29.880	0.000	-18.732	-29.878	90.000
21	2	-29.741	-18.732	-29.743	0.000	-18.732	-29.741	90.000
22	1	-29.865	-18.677	-29.862	0.005	-18.677	-29.865	89.972
22	2	-29.728	-18.677	-29.725	0.005	-18.677	-29.728	89.972
23	1	-29.837	-18.559	-29.833	0.005	-18.559	-29.837	89.972
23	2	-29.700	-18.559	-29.697	0.005	-18.559	-29.700	89.972
24	1	-29.821	-18.503	-29.823	0.000	-18.503	-29.821	90.000
24	2	-29.684	-18.503	-29.686	0.000	-18.503	-29.684	90.000
25	1	-29.881	-18.728	-29.878	0.000	-18.728	-29.881	89.999
25	2	-29.744	-18.728	-29.741	0.000	-18.728	-29.744	89.999
26	1	-29.867	-18.677	-29.866	-0.004	-18.677	-29.867	90.023
26	2	-29.730	-18.677	-29.729	-0.004	-18.677	-29.730	90.024
27	1	-29.839	-18.559	-29.837	-0.004	-18.559	-29.839	90.023
27	2	-29.702	-18.559	-29.700	-0.004	-18.559	-29.702	90.023
28	1	-29.817	-18.499	-29.821	0.000	-18.499	-29.817	89.997
28	2	-29.680	-18.499	-29.685	0.000	-18.499	-29.680	89.997
29	1	-29.876	-18.729	-29.878	0.000	-18.729	-29.876	89.999
29	2	-29.739	-18.729	-29.741	0.000	-18.729	-29.739	89.999
30	1	-29.863	-18.674	-29.862	0.005	-18.674	-29.863	89.973
30	2	-29.726	-18.674	-29.725	0.005	-18.674	-29.726	89.972
31	1	-29.835	-18.556	-29.833	0.005	-18.556	-29.835	89.973
31	2	-29.698	-18.556	-29.696	0.005	-18.556	-29.698	89.972
32	1	-29.819	-18.500	-29.821	-0.000	-18.500	-29.819	90.002

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
32	2	-29.682	-18.500	-29.685	-0.000	-18.500	-29.682	90.002
33	1	-29.875	-18.726	-29.875	0.000	-18.726	-29.875	90.000
33	2	-29.738	-18.726	-29.738	0.000	-18.726	-29.738	90.000
34	1	-29.862	-18.674	-29.867	-0.004	-18.674	-29.862	90.024
34	2	-29.725	-18.674	-29.730	-0.004	-18.674	-29.725	90.024
35	1	-29.833	-18.556	-29.837	-0.004	-18.556	-29.833	90.023
35	2	-29.696	-18.556	-29.700	-0.004	-18.556	-29.696	90.024
36	1	-29.819	-18.497	-29.819	0.000	-18.497	-29.819	89.996
36	2	-29.682	-18.497	-29.682	0.000	-18.497	-29.682	89.996
37	1	-29.876	-18.726	-29.878	0.000	-18.726	-29.876	90.000
37	2	-29.739	-18.726	-29.742	0.000	-18.726	-29.739	90.000
38	1	-29.863	-18.675	-29.867	0.005	-18.675	-29.863	89.973
38	2	-29.726	-18.675	-29.730	0.005	-18.675	-29.726	89.973
39	1	-29.835	-18.557	-29.831	0.005	-18.557	-29.835	89.974
39	2	-29.698	-18.557	-29.694	0.005	-18.557	-29.698	89.973
40	1	-29.819	-18.497	-29.822	-0.000	-18.497	-29.819	90.003
40	2	-29.683	-18.497	-29.685	-0.000	-18.497	-29.683	90.003
41	1	-29.879	-18.730	-29.877	0.000	-18.730	-29.879	90.000
41	2	-29.742	-18.730	-29.740	0.000	-18.730	-29.742	90.000
42	1	-29.866	-18.675	-29.862	-0.004	-18.675	-29.866	90.024
42	2	-29.729	-18.675	-29.726	-0.004	-18.675	-29.729	90.024
43	1	-29.837	-18.557	-29.833	-0.004	-18.557	-29.837	90.024
43	2	-29.701	-18.557	-29.696	-0.004	-18.557	-29.701	90.024
44	1	-29.823	-18.501	-29.821	0.000	-18.501	-29.823	89.999
44	2	-29.686	-18.501	-29.684	0.000	-18.501	-29.686	89.999
45	1	-29.876	-18.730	-29.879	0.000	-18.730	-29.876	90.000
45	2	-29.739	-18.730	-29.742	0.000	-18.730	-29.739	90.000
46	1	-29.863	-18.676	-29.867	0.005	-18.676	-29.863	89.973
46	2	-29.726	-18.676	-29.730	0.005	-18.676	-29.726	89.973
47	1	-29.834	-18.558	-29.837	0.005	-18.558	-29.834	89.973
47	2	-29.697	-18.558	-29.701	0.005	-18.558	-29.697	89.973
48	1	-29.819	-18.501	-29.822	-0.000	-18.501	-29.819	90.000
48	2	-29.683	-18.501	-29.685	-0.000	-18.501	-29.683	90.000
49	1	-29.881	-18.728	-29.876	0.000	-18.728	-29.881	90.000
49	2	-29.744	-18.728	-29.739	0.000	-18.728	-29.744	90.000
50	1	-29.867	-18.676	-29.861	-0.004	-18.676	-29.867	90.024
50	2	-29.730	-18.676	-29.724	-0.004	-18.676	-29.730	90.025

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
51	1	-29.832	-18.558	-29.833	-0.004	-18.558	-29.832	90.024
51	2	-29.695	-18.558	-29.696	-0.004	-18.558	-29.695	90.024
52	1	-29.818	-18.500	-29.818	0.000	-18.500	-29.818	89.995
52	2	-29.681	-18.500	-29.681	0.000	-18.500	-29.681	89.995
53	1	-29.879	-18.728	-29.876	0.000	-18.728	-29.879	90.000
53	2	-29.742	-18.728	-29.740	0.000	-18.728	-29.742	90.000
54	1	-29.866	-18.679	-29.863	0.005	-18.679	-29.866	89.970
54	2	-29.729	-18.679	-29.726	0.005	-18.679	-29.729	89.970
55	1	-29.837	-18.560	-29.835	0.005	-18.560	-29.837	89.973
55	2	-29.700	-18.560	-29.698	0.005	-18.560	-29.700	89.972
56	1	-29.822	-18.499	-29.819	-0.000	-18.499	-29.822	90.003
56	2	-29.685	-18.499	-29.683	-0.000	-18.499	-29.685	90.003
57	1	-29.878	-18.745	-29.881	0.000	-18.745	-29.878	89.999
57	2	-29.742	-18.745	-29.744	0.000	-18.745	-29.742	89.999
58	1	-29.865	-18.678	-29.866	-0.005	-18.678	-29.865	90.026
58	2	-29.728	-18.678	-29.729	-0.005	-18.678	-29.728	90.026
59	1	-29.834	-18.559	-29.835	-0.005	-18.559	-29.834	90.028
59	2	-29.697	-18.559	-29.699	-0.005	-18.559	-29.697	90.029
60	1	-29.821	-18.517	-29.822	-0.002	-18.517	-29.821	90.013
60	2	-29.684	-18.517	-29.685	-0.002	-18.517	-29.684	90.013
61	1	-29.877	-18.745	-29.881	0.000	-18.745	-29.877	89.999
61	2	-29.740	-18.745	-29.744	0.000	-18.745	-29.740	89.999
62	1	-29.864	-18.676	-29.861	0.005	-18.676	-29.864	89.973
62	2	-29.727	-18.676	-29.724	0.005	-18.676	-29.727	89.972
63	1	-29.833	-18.557	-29.837	0.006	-18.557	-29.833	89.969
63	2	-29.696	-18.557	-29.700	0.006	-18.557	-29.696	89.968
64	1	-29.826	-18.517	-29.822	0.002	-18.517	-29.826	89.987
64	2	-29.689	-18.517	-29.685	0.002	-18.517	-29.689	89.987
65	1	-29.875	-18.721	-29.874	-0.000	-18.721	-29.875	90.001
65	2	-29.738	-18.721	-29.737	-0.000	-18.721	-29.738	90.001
66	1	-29.862	-18.676	-29.867	-0.005	-18.676	-29.862	90.028
66	2	-29.725	-18.676	-29.730	-0.005	-18.676	-29.725	90.028
67	1	-29.833	-18.558	-29.838	-0.004	-18.558	-29.833	90.023
67	2	-29.696	-18.558	-29.701	-0.004	-18.558	-29.696	90.024
68	1	-29.819	-18.492	-29.817	0.002	-18.492	-29.819	89.985
68	2	-29.682	-18.492	-29.680	0.002	-18.492	-29.682	89.985
69	1	-29.874	-18.721	-29.874	-0.000	-18.721	-29.874	90.001

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
69	2	-29.737	-18.721	-29.737	-0.000	-18.721	-29.737	90.001
70	1	-29.869	-18.685	-29.868	0.003	-18.684	-29.869	89.980
70	2	-29.732	-18.685	-29.731	0.003	-18.684	-29.732	89.979
71	1	-29.840	-18.567	-29.840	0.003	-18.567	-29.840	89.981
71	2	-29.703	-18.567	-29.703	0.003	-18.567	-29.703	89.981
72	1	-29.817	-18.492	-29.817	-0.002	-18.492	-29.817	90.014
72	2	-29.680	-18.492	-29.680	-0.002	-18.492	-29.680	90.014
73	1	-29.874	-18.728	-29.876	0.000	-18.728	-29.874	89.998
73	2	-29.737	-18.728	-29.740	0.000	-18.728	-29.737	89.998
74	1	-29.869	-18.684	-29.864	-0.003	-18.684	-29.869	90.018
74	2	-29.732	-18.684	-29.727	-0.003	-18.684	-29.732	90.018
75	1	-29.837	-18.566	-29.840	-0.003	-18.566	-29.837	90.019
75	2	-29.701	-18.566	-29.703	-0.003	-18.566	-29.701	90.019
76	1	-29.824	-18.499	-29.818	0.000	-18.499	-29.824	89.998
76	2	-29.687	-18.499	-29.681	0.000	-18.499	-29.687	89.998
77	1	-29.881	-18.728	-29.876	0.000	-18.728	-29.881	89.998
77	2	-29.744	-18.728	-29.739	0.000	-18.728	-29.744	89.998
78	1	-29.867	-18.667	-29.862	0.006	-18.667	-29.867	89.967
78	2	-29.730	-18.667	-29.725	0.006	-18.667	-29.730	89.967
79	1	-29.831	-18.548	-29.833	0.006	-18.548	-29.831	89.968
79	2	-29.694	-18.548	-29.696	0.006	-18.548	-29.694	89.968
80	1	-29.824	-18.499	-29.819	-0.000	-18.499	-29.824	90.002
80	2	-29.687	-18.499	-29.682	-0.000	-18.499	-29.687	90.002
81	1	-29.880	-18.736	-29.877	-0.000	-18.736	-29.880	90.001
81	2	-29.743	-18.736	-29.740	-0.000	-18.736	-29.743	90.002
82	1	-29.866	-18.666	-29.862	-0.005	-18.666	-29.866	90.030
82	2	-29.729	-18.666	-29.726	-0.005	-18.666	-29.729	90.031
83	1	-29.831	-18.548	-29.833	-0.006	-18.548	-29.831	90.031
83	2	-29.694	-18.548	-29.696	-0.006	-18.548	-29.694	90.032
84	1	-29.824	-18.507	-29.821	-0.000	-18.507	-29.824	90.004
84	2	-29.687	-18.507	-29.684	-0.000	-18.507	-29.687	90.004
85	1	-29.880	-18.736	-29.878	-0.000	-18.736	-29.880	90.001
85	2	-29.743	-18.736	-29.741	-0.000	-18.736	-29.743	90.002
86	1	-29.867	-18.686	-29.865	0.003	-18.686	-29.867	89.980
86	2	-29.730	-18.686	-29.728	0.003	-18.686	-29.730	89.980
87	1	-29.836	-18.568	-29.834	0.004	-18.568	-29.836	89.977
87	2	-29.699	-18.568	-29.697	0.004	-18.568	-29.699	89.977

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
88	1	-29.821	-18.507	-29.819	0.000	-18.507	-29.821	89.995
88	2	-29.685	-18.507	-29.683	0.000	-18.507	-29.685	89.995
89	1	-29.878	-18.719	-29.876	0.000	-18.719	-29.878	89.999
89	2	-29.741	-18.719	-29.740	0.000	-18.719	-29.741	89.999
90	1	-29.865	-18.686	-29.865	-0.003	-18.686	-29.865	90.020
90	2	-29.728	-18.686	-29.728	-0.003	-18.686	-29.728	90.020
91	1	-29.837	-18.569	-29.835	-0.003	-18.569	-29.837	90.017
91	2	-29.700	-18.569	-29.699	-0.003	-18.569	-29.700	90.017
92	1	-29.815	-18.489	-29.820	0.003	-18.489	-29.815	89.980
92	2	-29.678	-18.489	-29.683	0.003	-18.489	-29.678	89.979
93	1	-29.878	-18.719	-29.877	0.000	-18.719	-29.878	89.999
93	2	-29.741	-18.719	-29.740	0.000	-18.719	-29.741	89.999
94	1	-29.865	-18.681	-29.865	0.004	-18.681	-29.865	89.976
94	2	-29.728	-18.681	-29.728	0.004	-18.681	-29.728	89.976
95	1	-29.837	-18.564	-29.836	0.003	-18.564	-29.837	89.979
95	2	-29.700	-18.564	-29.699	0.003	-18.564	-29.700	89.979
96	1	-29.821	-18.489	-29.820	-0.003	-18.489	-29.821	90.019
96	2	-29.684	-18.489	-29.683	-0.003	-18.489	-29.684	90.019
97	1	-29.879	-18.737	-29.879	0.000	-18.737	-29.879	89.998
97	2	-29.742	-18.737	-29.742	0.000	-18.737	-29.742	89.998
98	1	-29.866	-18.681	-29.866	-0.004	-18.681	-29.866	90.021
98	2	-29.729	-18.681	-29.729	-0.004	-18.681	-29.729	90.021
99	1	-29.835	-18.563	-29.835	-0.004	-18.563	-29.835	90.024
99	2	-29.698	-18.563	-29.698	-0.004	-18.563	-29.698	90.024
100	1	-29.820	-18.509	-29.821	-0.001	-18.509	-29.820	90.009
100	2	-29.683	-18.509	-29.684	-0.001	-18.509	-29.683	90.009
101	1	-29.878	-18.738	-29.878	0.000	-18.738	-29.878	89.998
101	2	-29.741	-18.738	-29.741	0.000	-18.738	-29.741	89.998
102	1	-29.864	-18.665	-29.864	0.006	-18.665	-29.864	89.965
102	2	-29.727	-18.665	-29.727	0.006	-18.665	-29.727	89.965
103	1	-29.835	-18.546	-29.828	0.006	-18.546	-29.835	89.965
103	2	-29.699	-18.546	-29.692	0.006	-18.546	-29.699	89.965
104	1	-29.821	-18.509	-29.821	0.001	-18.509	-29.821	89.991
104	2	-29.685	-18.509	-29.685	0.001	-18.509	-29.685	89.991
105	1	-29.878	-18.733	-29.878	-0.000	-18.733	-29.878	90.002
105	2	-29.741	-18.733	-29.742	-0.000	-18.733	-29.741	90.002
106	1	-29.864	-18.665	-29.865	-0.006	-18.665	-29.864	90.033

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
106	2	-29.727	-18.665	-29.728	-0.006	-18.665	-29.727	90.034
107	1	-29.835	-18.546	-29.828	-0.006	-18.546	-29.835	90.032
107	2	-29.698	-18.546	-29.692	-0.006	-18.546	-29.698	90.033
108	1	-29.821	-18.504	-29.822	-0.000	-18.504	-29.821	90.003
108	2	-29.685	-18.504	-29.685	-0.000	-18.504	-29.685	90.003
109	1	-29.878	-18.733	-29.881	-0.000	-18.733	-29.878	90.002
109	2	-29.742	-18.733	-29.744	-0.000	-18.733	-29.742	90.002
110	1	-29.865	-18.683	-29.867	0.003	-18.683	-29.865	89.980
110	2	-29.728	-18.683	-29.730	0.003	-18.683	-29.728	89.979
111	1	-29.834	-18.565	-29.836	0.004	-18.565	-29.834	89.977
111	2	-29.697	-18.565	-29.699	0.004	-18.565	-29.697	89.977
112	1	-29.820	-18.504	-29.821	0.000	-18.504	-29.820	89.995
112	2	-29.683	-18.504	-29.685	0.000	-18.504	-29.683	89.995
113	1	-29.877	-18.717	-29.871	0.000	-18.717	-29.877	89.999
113	2	-29.740	-18.717	-29.735	0.000	-18.717	-29.740	89.999
114	1	-29.865	-18.683	-29.866	-0.004	-18.683	-29.865	90.020
114	2	-29.728	-18.683	-29.729	-0.004	-18.683	-29.728	90.021
115	1	-29.835	-18.565	-29.837	-0.003	-18.565	-29.835	90.017
115	2	-29.698	-18.565	-29.701	-0.003	-18.565	-29.698	90.018
116	1	-29.819	-18.488	-29.815	0.003	-18.488	-29.819	89.981
116	2	-29.683	-18.488	-29.678	0.003	-18.488	-29.683	89.981
117	1	-29.877	-18.717	-29.871	0.000	-18.717	-29.877	89.999
117	2	-29.740	-18.717	-29.735	0.000	-18.717	-29.740	89.999
118	1	-29.865	-18.679	-29.866	0.004	-18.679	-29.865	89.976
118	2	-29.728	-18.679	-29.729	0.004	-18.679	-29.728	89.975
119	1	-29.835	-18.561	-29.837	0.004	-18.561	-29.835	89.979
119	2	-29.698	-18.561	-29.701	0.004	-18.561	-29.698	89.978
120	1	-29.819	-18.488	-29.815	-0.003	-18.488	-29.819	90.018
120	2	-29.683	-18.488	-29.678	-0.003	-18.488	-29.683	90.018
121	1	-29.878	-18.735	-29.880	0.000	-18.735	-29.878	89.999
121	2	-29.741	-18.735	-29.743	0.000	-18.735	-29.741	89.999
122	1	-29.865	-18.678	-29.867	-0.004	-18.678	-29.865	90.021
122	2	-29.728	-18.678	-29.730	-0.004	-18.678	-29.728	90.022
123	1	-29.833	-18.560	-29.836	-0.004	-18.560	-29.833	90.024
123	2	-29.696	-18.560	-29.699	-0.004	-18.560	-29.696	90.025
124	1	-29.819	-18.506	-29.822	-0.001	-18.506	-29.819	90.006
124	2	-29.683	-18.506	-29.685	-0.001	-18.506	-29.683	90.006

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
125	1	-29.877	-18.735	-29.879	0.000	-18.735	-29.877	89.999
125	2	-29.740	-18.735	-29.742	0.000	-18.735	-29.740	89.999
126	1	-29.863	-18.669	-29.865	0.006	-18.669	-29.863	89.969
126	2	-29.726	-18.669	-29.728	0.006	-18.669	-29.726	89.968
127	1	-29.835	-18.550	-29.830	0.006	-18.550	-29.835	89.968
127	2	-29.698	-18.550	-29.693	0.006	-18.550	-29.698	89.968
128	1	-29.820	-18.506	-29.823	0.001	-18.506	-29.820	89.994
128	2	-29.683	-18.506	-29.686	0.001	-18.506	-29.683	89.994
129	1	-29.877	-18.731	-29.880	-0.000	-18.731	-29.877	90.001
129	2	-29.740	-18.731	-29.743	-0.000	-18.731	-29.740	90.001
130	1	-29.863	-18.669	-29.866	-0.005	-18.669	-29.863	90.030
130	2	-29.726	-18.669	-29.729	-0.005	-18.669	-29.726	90.031
131	1	-29.835	-18.550	-29.830	-0.005	-18.550	-29.835	90.029
131	2	-29.698	-18.550	-29.693	-0.005	-18.550	-29.698	90.030
132	1	-29.820	-18.502	-29.823	-0.000	-18.502	-29.820	90.001
132	2	-29.683	-18.502	-29.686	-0.000	-18.502	-29.683	90.001
133	1	-29.877	-18.731	-29.881	-0.000	-18.731	-29.877	90.001
133	2	-29.740	-18.731	-29.744	-0.000	-18.731	-29.740	90.001
134	1	-29.864	-18.680	-29.867	0.004	-18.680	-29.864	89.977
134	2	-29.727	-18.680	-29.730	0.004	-18.680	-29.727	89.977
135	1	-29.833	-18.562	-29.837	0.004	-18.562	-29.833	89.976
135	2	-29.696	-18.562	-29.701	0.004	-18.562	-29.696	89.975
136	1	-29.819	-18.502	-29.823	0.000	-18.502	-29.819	89.998
136	2	-29.683	-18.502	-29.686	0.000	-18.502	-29.683	89.998
137	1	-29.876	-18.723	-29.879	-0.000	-18.723	-29.876	90.000
137	2	-29.739	-18.723	-29.742	-0.000	-18.723	-29.739	90.000
138	1	-29.863	-18.680	-29.867	-0.004	-18.680	-29.863	90.022
138	2	-29.726	-18.680	-29.730	-0.004	-18.680	-29.726	90.023
139	1	-29.834	-18.562	-29.837	-0.004	-18.562	-29.834	90.021
139	2	-29.697	-18.562	-29.701	-0.004	-18.562	-29.697	90.021
140	1	-29.820	-18.494	-29.816	0.002	-18.494	-29.820	89.985
140	2	-29.683	-18.494	-29.679	0.002	-18.494	-29.683	89.985
141	1	-29.876	-18.723	-29.872	-0.000	-18.723	-29.876	90.000
141	2	-29.739	-18.723	-29.735	-0.000	-18.723	-29.739	90.000
142	1	-29.863	-18.684	-29.867	0.004	-18.684	-29.863	89.975
142	2	-29.726	-18.684	-29.730	0.004	-18.684	-29.726	89.975
143	1	-29.835	-18.566	-29.837	0.004	-18.566	-29.835	89.977

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
143	2	-29.698	-18.566	-29.700	0.004	-18.566	-29.698	89.977
144	1	-29.819	-18.494	-29.816	-0.002	-18.494	-29.819	90.013
144	2	-29.682	-18.494	-29.679	-0.002	-18.494	-29.682	90.014
145	1	-29.878	-18.742	-29.883	-0.000	-18.742	-29.878	90.003
145	2	-29.741	-18.742	-29.746	-0.000	-18.742	-29.741	90.003
146	1	-29.865	-18.684	-29.868	-0.004	-18.684	-29.865	90.022
146	2	-29.728	-18.684	-29.731	-0.004	-18.684	-29.728	90.022
147	1	-29.833	-18.566	-29.837	-0.004	-18.566	-29.833	90.023
147	2	-29.696	-18.566	-29.701	-0.004	-18.566	-29.696	90.024
148	1	-29.817	-18.512	-29.823	0.003	-18.512	-29.817	89.984
148	2	-29.680	-18.512	-29.686	0.003	-18.512	-29.680	89.983
149	1	-29.870	-18.741	-29.879	-0.000	-18.741	-29.870	90.003
149	2	-29.733	-18.741	-29.742	-0.000	-18.741	-29.733	90.003
150	1	-29.867	-18.719	-29.870	0.001	-18.719	-29.867	89.990
150	2	-29.730	-18.719	-29.733	0.001	-18.719	-29.730	89.990
151	1	-29.839	-18.602	-29.842	0.002	-18.602	-29.839	89.989
151	2	-29.702	-18.602	-29.705	0.002	-18.602	-29.702	89.989
152	1	-29.815	-18.512	-29.824	-0.002	-18.512	-29.815	90.014
152	2	-29.678	-18.512	-29.687	-0.002	-18.512	-29.678	90.014
153	1	-29.870	-18.738	-29.879	0.000	-18.738	-29.870	89.996
153	2	-29.733	-18.738	-29.742	0.000	-18.738	-29.733	89.996
154	1	-29.868	-18.719	-29.870	-0.001	-18.719	-29.868	90.010
154	2	-29.731	-18.719	-29.733	-0.001	-18.719	-29.731	90.010
155	1	-29.839	-18.602	-29.842	-0.001	-18.602	-29.839	90.009
155	2	-29.702	-18.602	-29.705	-0.001	-18.602	-29.702	90.009
156	1	-29.815	-18.509	-29.823	0.003	-18.509	-29.815	89.984
156	2	-29.678	-18.509	-29.686	0.003	-18.509	-29.678	89.984
157	1	-29.878	-18.739	-29.882	0.000	-18.739	-29.878	89.996
157	2	-29.741	-18.739	-29.745	0.000	-18.739	-29.741	89.996
158	1	-29.865	-18.681	-29.868	0.004	-18.681	-29.865	89.977
158	2	-29.728	-18.681	-29.731	0.004	-18.681	-29.728	89.977
159	1	-29.833	-18.563	-29.837	0.004	-18.563	-29.833	89.975
159	2	-29.696	-18.563	-29.700	0.004	-18.563	-29.696	89.975
160	1	-29.816	-18.509	-29.822	-0.003	-18.509	-29.816	90.017
160	2	-29.679	-18.509	-29.685	-0.003	-18.509	-29.679	90.017
161	1	-29.876	-18.721	-29.872	-0.000	-18.721	-29.876	90.000
161	2	-29.740	-18.721	-29.735	-0.000	-18.721	-29.740	90.000

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
162	1	-29.863	-18.682	-29.867	-0.004	-18.682	-29.863	90.024
162	2	-29.726	-18.682	-29.730	-0.004	-18.682	-29.726	90.024
163	1	-29.834	-18.563	-29.838	-0.004	-18.563	-29.834	90.022
163	2	-29.697	-18.563	-29.701	-0.004	-18.563	-29.697	90.022
164	1	-29.819	-18.492	-29.816	0.003	-18.492	-29.819	89.981
164	2	-29.682	-18.492	-29.679	0.003	-18.492	-29.682	89.981
165	1	-29.874	-18.721	-29.872	-0.000	-18.721	-29.874	90.000
165	2	-29.737	-18.721	-29.735	-0.000	-18.721	-29.737	90.000
166	1	-29.869	-18.688	-29.867	0.005	-18.688	-29.869	89.969
166	2	-29.733	-18.688	-29.730	0.005	-18.688	-29.733	89.969
167	1	-29.834	-18.569	-29.838	0.004	-18.569	-29.834	89.978
167	2	-29.697	-18.569	-29.701	0.004	-18.569	-29.697	89.977
168	1	-29.814	-18.492	-29.816	-0.003	-18.492	-29.814	90.017
168	2	-29.677	-18.492	-29.679	-0.003	-18.492	-29.677	90.017
169	1	-29.878	-18.779	-29.889	-0.009	-18.779	-29.878	90.048
169	2	-29.741	-18.779	-29.752	-0.009	-18.779	-29.741	90.049
170	1	-29.861	-18.686	-29.868	-0.006	-18.686	-29.861	90.031
170	2	-29.724	-18.686	-29.731	-0.006	-18.686	-29.724	90.031
171	1	-29.831	-18.568	-29.837	-0.007	-18.568	-29.831	90.038
171	2	-29.694	-18.568	-29.700	-0.007	-18.568	-29.694	90.039
172	1	-29.829	-18.492	-29.819	-0.030	-18.492	-29.829	90.154
172	2	-29.692	-18.492	-29.682	-0.030	-18.492	-29.692	90.156
173	1	-29.805	-18.760	-29.867	-0.009	-18.760	-29.805	90.048
173	2	-29.668	-18.760	-29.730	-0.009	-18.760	-29.668	90.049
174	1	-29.842	-18.475	-29.819	-0.155	-18.473	-29.844	90.781
174	2	-29.705	-18.476	-29.682	-0.155	-18.473	-29.707	90.792
175	1	-29.830	-18.434	-29.808	-0.122	-18.432	-29.831	90.618
175	2	-29.693	-18.434	-29.672	-0.123	-18.433	-29.694	90.627
176	1	-29.928	-18.517	-29.842	0.005	-18.517	-29.928	89.970
176	2	-29.792	-18.517	-29.705	0.005	-18.517	-29.792	89.970
177	1	-29.745	-15.202	-29.151	0.786	-15.159	-29.787	86.914
177	2	-29.608	-15.199	-29.013	0.786	-15.157	-29.651	86.883
178	1	-29.971	-18.507	-29.849	0.140	-18.505	-29.972	89.298
178	2	-29.834	-18.507	-29.712	0.140	-18.506	-29.835	89.289
179	1	-29.960	-18.466	-29.845	0.172	-18.463	-29.962	89.140
179	2	-29.823	-18.466	-29.708	0.172	-18.463	-29.825	89.130
180	1	-29.720	-19.269	-29.951	0.785	-19.211	-29.779	85.724

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
180	2	-29.585	-19.268	-29.815	0.783	-19.209	-29.644	85.684
181	1	-35.999	-16.775	-30.766	0.786	-16.743	-36.031	87.661
181	2	-35.866	-16.774	-30.629	0.786	-16.741	-35.898	87.644
182	1	-28.555	-11.348	-28.183	10.867	-6.091	-33.813	64.183
182	2	-28.408	-11.289	-28.033	10.872	-6.011	-33.685	64.106
183	1	-31.064	-21.462	-30.627	11.123	-14.148	-38.378	56.672
183	2	-30.932	-21.463	-30.491	11.127	-14.104	-38.290	56.524
184	1	-23.746	-17.767	-28.414	0.717	-17.682	-23.831	83.251
184	2	-23.612	-17.767	-28.278	0.719	-17.679	-23.699	83.081
185	1	-21.511	-6.333	-25.804	-25.415	12.601	-40.447	126.687
185	2	-21.379	-6.333	-25.668	-25.413	12.647	-40.359	126.755
186	1	-29.570	-11.605	-28.458	-14.286	-3.711	-37.463	118.920
186	2	-29.422	-11.545	-28.307	-14.290	-3.628	-37.339	118.987
187	1	-32.077	-21.718	-30.892	-14.030	-11.941	-41.854	124.869
187	2	-31.945	-21.718	-30.757	-14.034	-11.894	-41.769	124.991
188	1	-36.171	-12.792	-29.931	-23.152	1.454	-50.417	121.605
188	2	-36.036	-12.792	-29.795	-23.152	1.491	-50.319	121.672
189	1	-20.644	-6.101	-25.501	24.829	12.499	-39.245	53.162
189	2	-20.508	-6.100	-25.364	24.826	12.546	-39.154	53.091
190	1	-32.182	-27.169	-32.028	12.967	-16.468	-42.883	50.470
190	2	-32.044	-27.168	-31.891	12.966	-16.413	-42.800	50.324
191	1	-30.782	-21.497	-30.703	12.737	-12.583	-39.696	55.012
191	2	-30.645	-21.497	-30.567	12.735	-12.538	-39.603	54.877
192	1	-35.588	-12.667	-29.895	22.952	1.527	-49.783	58.267
192	2	-35.452	-12.666	-29.758	22.953	1.565	-49.684	58.198
193	1	-34.919	-17.259	-30.581	-0.626	-17.237	-34.941	92.030
193	2	-34.781	-17.260	-30.444	-0.626	-17.237	-34.803	92.046
194	1	-31.270	-26.939	-31.794	-9.278	-19.577	-38.632	128.431
194	2	-31.133	-26.938	-31.657	-9.277	-19.525	-38.547	128.630
195	1	-29.868	-21.267	-30.468	-9.508	-15.131	-36.003	122.831
195	2	-29.731	-21.267	-30.331	-9.507	-15.092	-35.906	123.001
196	1	-23.235	-17.908	-28.471	-0.082	-17.906	-23.236	90.891
196	2	-23.099	-17.908	-28.334	-0.082	-17.906	-23.100	90.914
197	1	-29.873	-16.006	-29.360	-0.626	-15.978	-29.901	92.583
197	2	-29.736	-16.006	-29.223	-0.626	-15.978	-29.764	92.608
198	1	-30.018	-18.467	-29.890	-0.114	-18.466	-30.019	90.566
198	2	-29.881	-18.467	-29.754	-0.114	-18.466	-29.882	90.572

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
199	1	-30.000	-18.404	-29.872	-0.166	-18.402	-30.002	90.824
199	2	-29.863	-18.404	-29.735	-0.166	-18.402	-29.865	90.834
200	1	-29.388	-19.437	-29.962	-1.436	-19.234	-29.591	98.053
200	2	-29.251	-19.437	-29.826	-1.436	-19.231	-29.457	98.159
201	1	-29.808	-18.723	-29.896	0.009	-18.723	-29.808	89.949
201	2	-29.671	-18.723	-29.759	0.009	-18.723	-29.671	89.948
202	1	-29.804	-18.414	-29.837	0.097	-18.413	-29.805	89.510
202	2	-29.667	-18.414	-29.700	0.097	-18.413	-29.668	89.504
203	1	-29.787	-18.351	-29.819	0.044	-18.351	-29.787	89.776
203	2	-29.650	-18.351	-29.683	0.044	-18.351	-29.650	89.774
204	1	-29.880	-18.492	-29.862	-0.060	-18.492	-29.880	90.304
204	2	-29.743	-18.492	-29.726	-0.060	-18.492	-29.743	90.308
205	1	-29.885	-18.743	-29.916	0.009	-18.743	-29.885	89.949
205	2	-29.748	-18.743	-29.779	0.009	-18.743	-29.748	89.949
206	1	-29.785	-18.229	-29.792	0.012	-18.229	-29.785	89.936
206	2	-29.648	-18.229	-29.656	0.012	-18.229	-29.648	89.935
207	1	-29.755	-18.108	-29.765	0.023	-18.108	-29.756	89.884
207	2	-29.619	-18.108	-29.628	0.023	-18.108	-29.619	89.882
208	1	-29.854	-18.486	-29.856	0.066	-18.485	-29.854	89.666
208	2	-29.717	-18.486	-29.719	0.066	-18.485	-29.718	89.662
209	1	-29.903	-17.979	-29.771	0.186	-17.976	-29.906	89.106
209	2	-29.766	-17.981	-29.634	0.185	-17.978	-29.769	89.098
210	1	-29.828	-18.239	-29.804	-0.008	-18.239	-29.828	90.040
210	2	-29.691	-18.239	-29.667	-0.008	-18.239	-29.691	90.041
211	1	-29.801	-18.118	-29.778	0.002	-18.118	-29.801	89.987
211	2	-29.664	-18.118	-29.641	0.002	-18.118	-29.664	89.988
212	1	-29.755	-18.664	-29.871	0.240	-18.659	-29.760	88.757
212	2	-29.618	-18.664	-29.734	0.240	-18.658	-29.623	88.745
213	1	-31.377	-18.352	-30.149	0.186	-18.349	-31.380	89.181
213	2	-31.236	-18.352	-30.011	0.185	-18.350	-31.238	89.174
214	1	-29.721	-19.604	-30.061	3.187	-18.683	-30.641	73.891
214	2	-29.585	-19.603	-29.924	3.178	-18.677	-30.511	73.756
215	1	-29.592	-19.117	-29.921	1.408	-18.931	-29.778	82.476
215	2	-29.456	-19.115	-29.785	1.406	-18.927	-29.643	82.391
216	1	-28.592	-18.372	-29.571	0.052	-18.372	-28.592	89.707
216	2	-28.457	-18.372	-29.435	0.052	-18.372	-28.457	89.703
217	1	-24.849	-20.096	-29.191	5.586	-16.402	-28.543	56.523

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
217	2	-24.738	-20.089	-29.058	5.559	-16.388	-28.439	56.344
218	1	-24.761	-19.774	-29.062	3.029	-18.344	-26.191	64.729
218	2	-24.650	-19.769	-28.929	3.013	-18.332	-26.087	64.503
219	1	-23.524	-18.051	-28.481	1.872	-17.471	-24.103	72.811
219	2	-23.416	-18.057	-28.351	1.858	-17.476	-23.997	72.631
220	1	-23.399	-17.564	-28.342	0.092	-17.562	-23.401	89.091
220	2	-23.291	-17.569	-28.212	0.086	-17.567	-23.292	89.136
221	1	-22.778	-19.225	-28.517	1.082	-18.921	-23.082	74.327
221	2	-22.669	-19.220	-28.385	1.075	-18.912	-22.977	74.018
222	1	-15.891	-20.389	-27.375	3.981	-13.567	-22.712	30.268
222	2	-15.816	-20.376	-27.248	3.961	-13.526	-22.666	30.038
223	1	-15.833	-20.190	-27.290	2.955	-14.340	-21.684	26.803
223	2	-15.759	-20.180	-27.164	2.941	-14.290	-21.648	26.538
224	1	-17.250	-18.179	-27.206	4.932	-12.761	-22.668	42.307
224	2	-17.170	-18.181	-27.081	4.909	-12.740	-22.611	42.062
225	1	-17.160	-17.858	-27.083	2.375	-15.108	-19.910	40.822
225	2	-17.081	-17.860	-26.959	2.363	-15.075	-19.866	40.318
226	1	-17.984	-19.160	-27.441	1.613	-16.854	-20.290	34.985
226	2	-17.901	-19.156	-27.316	1.604	-16.806	-20.252	34.321
227	1	-17.957	-19.077	-27.396	0.459	-17.793	-19.242	19.694
227	2	-17.875	-19.075	-27.271	0.454	-17.722	-19.228	18.587
228	1	-17.904	-17.990	-27.208	0.568	-17.377	-18.518	42.857
228	2	-17.825	-17.993	-27.084	0.565	-17.337	-18.480	40.765
229	1	-11.673	-20.384	-26.370	2.654	-10.928	-21.129	15.681
229	2	-11.622	-20.351	-26.245	2.645	-10.882	-21.090	15.611
230	1	-11.647	-20.302	-26.316	2.115	-11.157	-20.792	13.024
230	2	-11.596	-20.272	-26.192	2.114	-11.108	-20.760	12.990
231	1	-12.924	-19.620	-26.494	3.701	-11.281	-21.263	23.938
231	2	-12.866	-19.611	-26.373	3.688	-11.241	-21.236	23.781
232	1	-12.868	-19.421	-26.410	2.676	-11.913	-20.376	19.623
232	2	-12.810	-19.415	-26.289	2.668	-11.867	-20.358	19.473
233	1	-13.943	-19.255	-26.507	1.371	-13.609	-19.588	13.651
233	2	-13.876	-19.242	-26.384	1.372	-13.545	-19.573	13.548
234	1	-13.936	-19.244	-26.480	0.767	-13.827	-19.352	8.064
234	2	-13.870	-19.235	-26.358	0.769	-13.762	-19.343	8.002
235	1	-14.616	-18.294	-26.479	1.704	-13.947	-18.963	21.413
235	2	-14.547	-18.294	-26.357	1.701	-13.890	-18.951	21.119

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
236	1	-14.590	-18.212	-26.434	0.550	-14.508	-18.294	8.458
236	2	-14.521	-18.213	-26.312	0.551	-14.441	-18.294	8.316
237	1	-15.059	-18.636	-26.546	0.055	-15.058	-18.637	0.884
237	2	-14.991	-18.637	-26.425	0.054	-14.990	-18.638	0.861
238	1	-8.196	-18.985	-25.177	0.493	-8.174	-19.008	2.611
238	2	-8.182	-18.928	-25.056	0.499	-8.159	-18.951	2.657
239	1	-8.285	-19.359	-25.248	0.640	-8.248	-19.396	3.297
239	2	-8.271	-19.301	-25.127	0.661	-8.231	-19.340	3.421
240	1	-10.188	-19.980	-25.828	2.736	-9.475	-20.692	14.601
240	2	-10.159	-19.952	-25.710	2.736	-9.447	-20.665	14.600
241	1	-10.161	-19.898	-25.781	2.196	-9.688	-20.371	12.141
241	2	-10.133	-19.874	-25.664	2.204	-9.657	-20.350	12.175
242	1	-11.217	-18.701	-25.663	0.739	-11.145	-18.773	5.589
242	2	-11.168	-18.666	-25.540	0.770	-11.090	-18.745	5.807
243	1	-11.271	-18.927	-25.699	0.531	-11.234	-18.963	3.952
243	2	-11.222	-18.892	-25.576	0.567	-11.180	-18.934	4.208
244	1	-12.248	-18.802	-25.937	1.672	-11.845	-19.204	13.521
244	2	-12.181	-18.790	-25.814	1.684	-11.776	-19.194	13.505
245	1	-12.240	-18.791	-25.909	1.069	-12.070	-18.961	9.039
245	2	-12.174	-18.782	-25.787	1.080	-12.001	-18.954	9.058
246	1	-12.895	-18.568	-25.918	0.246	-12.884	-18.578	2.487
246	2	-12.814	-18.566	-25.795	0.277	-12.801	-18.580	2.754
247	1	-12.937	-18.747	-25.951	-0.180	-12.932	-18.753	178.225
247	2	-12.856	-18.745	-25.828	-0.166	-12.852	-18.750	178.381
248	1	-13.466	-18.212	-26.014	0.509	-13.412	-18.266	6.055
248	2	-13.379	-18.208	-25.889	0.515	-13.324	-18.263	6.029
249	1	-7.605	-20.695	-25.139	0.331	-7.596	-20.704	1.450
249	2	-7.638	-20.631	-25.028	0.343	-7.629	-20.640	1.514
250	1	-8.783	-19.096	-25.139	1.948	-8.427	-19.452	10.351
250	2	-8.813	-19.049	-25.030	1.953	-8.453	-19.410	10.445
251	1	-8.872	-19.469	-25.217	2.095	-8.473	-19.868	10.790
251	2	-8.902	-19.422	-25.108	2.115	-8.492	-19.831	10.955
252	1	-10.099	-20.009	-25.481	0.729	-10.046	-20.063	4.187
252	2	-10.099	-19.956	-25.365	0.782	-10.038	-20.018	4.512
253	1	-10.056	-19.841	-25.427	0.783	-9.994	-19.903	4.548
253	2	-10.053	-19.776	-25.309	0.856	-9.978	-19.851	4.997
254	1	-10.721	-18.545	-25.376	1.754	-10.346	-18.920	12.079

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
254	2	-10.685	-18.514	-25.257	1.784	-10.298	-18.901	12.253
255	1	-10.774	-18.771	-25.419	1.546	-10.485	-19.060	10.574
255	2	-10.739	-18.739	-25.299	1.581	-10.437	-19.040	10.783
256	1	-11.455	-19.141	-25.550	0.791	-11.375	-19.221	5.820
256	2	-11.373	-19.120	-25.423	0.882	-11.274	-19.219	6.417
257	1	-11.405	-18.952	-25.492	0.651	-11.350	-19.007	4.902
257	2	-11.319	-18.915	-25.361	0.736	-11.248	-18.986	5.486
258	1	-11.730	-18.247	-25.481	1.128	-11.540	-18.437	9.550
258	2	-11.598	-18.234	-25.346	1.156	-11.402	-18.430	9.611
259	1	-11.772	-18.427	-25.516	0.701	-11.699	-18.500	5.952
259	2	-11.640	-18.412	-25.380	0.712	-11.566	-18.487	5.945
260	1	-12.117	-18.715	-25.571	0.326	-12.101	-18.731	2.823
260	2	-11.954	-18.746	-25.438	0.381	-11.933	-18.768	3.206
261	1	-9.739	-21.193	-25.491	0.331	-9.729	-21.202	1.657
261	2	-9.843	-21.146	-25.400	0.343	-9.833	-21.157	1.740
262	1	-10.087	-22.449	-25.730	0.111	-10.086	-22.450	0.514
262	2	-10.189	-22.540	-25.667	0.147	-10.188	-22.541	0.685
263	1	-10.012	-22.146	-25.658	-0.206	-10.008	-22.150	179.025
263	2	-10.108	-22.213	-25.588	-0.161	-10.106	-22.215	179.236
264	1	-10.392	-20.049	-25.390	0.565	-10.359	-20.082	3.340
264	2	-10.451	-20.011	-25.291	0.585	-10.416	-20.047	3.490
265	1	-10.348	-19.881	-25.337	0.619	-10.308	-19.921	3.701
265	2	-10.405	-19.832	-25.235	0.659	-10.359	-19.878	3.980
266	1	-11.003	-20.856	-25.591	-0.003	-11.003	-20.856	180.000
266	2	-11.005	-20.895	-25.496	0.113	-11.004	-20.897	0.659
267	1	-10.858	-20.281	-25.442	0.028	-10.858	-20.281	0.172
267	2	-10.845	-20.257	-25.330	0.175	-10.842	-20.261	1.068
268	1	-11.158	-19.036	-25.320	0.565	-11.117	-19.076	4.083
268	2	-11.056	-19.010	-25.189	0.609	-11.009	-19.057	4.353
269	1	-11.108	-18.846	-25.263	0.425	-11.085	-18.869	3.137
269	2	-11.002	-18.805	-25.128	0.462	-10.975	-18.833	3.383
270	1	-11.227	-19.119	-25.268	0.311	-11.214	-19.131	2.258
270	2	-11.014	-19.147	-25.124	0.484	-10.985	-19.176	3.398
271	1	-11.069	-18.496	-25.102	0.618	-11.018	-18.547	4.725
271	2	-10.838	-18.453	-24.940	0.762	-10.763	-18.529	5.665
272	1	-10.694	-18.329	-25.063	0.189	-10.689	-18.334	1.417
272	2	-10.348	-18.315	-24.883	0.195	-10.343	-18.319	1.401

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
273	1	-9.319	-26.322	-26.147	-0.773	-9.284	-26.423	177.411
273	2	-9.459	-27.008	-26.200	-0.833	-9.420	-27.048	177.288
274	1	-9.339	-22.231	-25.392	-0.400	-9.326	-22.244	178.223
274	2	-9.463	-22.328	-25.336	-0.428	-9.449	-22.342	178.094
275	1	-9.263	-21.929	-25.312	-0.717	-9.222	-21.969	176.767
275	2	-9.381	-22.001	-25.250	-0.737	-9.338	-22.044	176.666
276	1	-10.292	-25.236	-26.115	-1.424	-10.157	-25.371	174.605
276	2	-10.424	-25.772	-26.148	-1.415	-10.294	-25.901	174.774
277	1	-10.166	-24.730	-25.996	-2.584	-9.721	-25.175	170.230
277	2	-10.274	-25.171	-26.004	-2.649	-9.817	-25.628	170.210
278	1	-11.203	-20.879	-25.496	-1.262	-11.041	-21.041	172.687
278	2	-11.286	-20.938	-25.423	-1.317	-11.110	-21.115	172.367
279	1	-11.059	-20.303	-25.348	-1.230	-10.898	-20.464	172.548
279	2	-11.126	-20.299	-25.258	-1.255	-10.957	-20.468	172.346
280	1	-12.098	-21.517	-25.739	-2.131	-11.638	-21.977	167.826
280	2	-12.060	-21.736	-25.671	-2.035	-11.649	-22.147	168.590
281	1	-11.823	-20.422	-25.467	-1.501	-11.568	-20.676	170.372
281	2	-11.735	-20.442	-25.347	-1.332	-11.535	-20.642	171.488
282	1	-12.175	-19.329	-25.372	-1.080	-12.016	-19.489	171.598
282	2	-11.886	-19.338	-25.209	-1.103	-11.726	-19.498	171.754
283	1	-12.017	-18.707	-25.206	-0.773	-11.929	-18.795	173.487
283	2	-11.709	-18.644	-25.023	-0.824	-11.613	-18.741	173.308
284	1	-11.007	-18.498	-24.897	0.159	-11.003	-18.501	1.219
284	2	-10.362	-18.620	-24.680	0.447	-10.338	-18.644	3.091
285	1	-5.578	-25.421	-25.053	-0.773	-5.548	-25.451	177.771
285	2	-5.420	-25.966	-25.030	-0.833	-5.386	-26.000	177.682
286	1	-6.694	-31.561	-26.423	-1.306	-6.625	-31.630	176.999
286	2	-6.692	-33.343	-26.678	-1.405	-6.618	-33.417	176.989
287	1	-6.735	-31.717	-26.474	-3.766	-6.179	-32.272	171.610
287	2	-6.728	-33.478	-26.725	-4.065	-6.124	-34.083	171.545
288	1	-7.507	-24.511	-25.271	-2.383	-7.179	-24.839	172.168
288	2	-7.455	-25.000	-25.258	-2.610	-7.075	-25.380	171.714
289	1	-7.381	-24.004	-25.152	-3.544	-6.657	-24.728	168.453
289	2	-7.306	-24.399	-25.115	-3.844	-6.481	-25.224	167.891
290	1	-10.655	-30.252	-26.989	-6.143	-8.888	-32.018	163.956
290	2	-10.825	-31.831	-27.238	-6.571	-8.938	-33.718	163.983
291	1	-10.597	-29.997	-26.959	-8.331	-7.511	-33.083	159.670

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
291	2	-10.721	-31.392	-27.161	-8.854	-7.447	-34.667	159.706
292	1	-13.763	-21.910	-26.042	-4.562	-11.720	-23.953	155.881
292	2	-13.908	-22.175	-26.021	-4.962	-11.583	-24.500	154.897
293	1	-13.489	-20.815	-25.771	-3.931	-11.778	-22.525	156.486
293	2	-13.584	-20.881	-25.697	-4.258	-11.625	-22.840	155.295
294	1	-17.442	-22.449	-26.842	-7.601	-11.942	-27.949	144.114
294	2	-17.524	-23.135	-26.888	-7.859	-11.984	-28.674	144.822
295	1	-16.334	-18.022	-25.738	-0.894	-15.949	-18.408	156.665
295	2	-16.225	-17.949	-25.588	-0.425	-16.126	-18.048	166.871
296	1	-15.455	-19.589	-25.901	-1.891	-14.720	-20.324	158.769
296	2	-14.646	-19.669	-25.640	-2.109	-13.878	-20.437	159.986
297	1	-1.624	-31.475	-25.225	-0.803	-1.602	-31.497	178.460
297	2	-1.072	-33.752	-25.466	-0.860	-1.050	-33.775	178.492
298	1	-2.343	-30.448	-25.209	-0.803	-2.320	-30.471	178.364
298	2	-1.979	-32.138	-25.371	-0.936	-1.950	-32.168	178.222
299	1	-2.383	-30.603	-25.257	-3.262	-2.011	-30.975	173.491
299	2	-2.014	-32.274	-25.415	-3.596	-1.593	-32.696	173.313
300	1	-2.673	-32.373	-25.632	-3.804	-2.193	-32.853	172.815
300	2	-2.189	-34.758	-25.909	-4.272	-1.638	-35.309	172.650
301	1	-3.190	-34.419	-26.174	-6.380	-1.937	-35.673	168.887
301	2	-2.756	-37.000	-26.500	-7.038	-1.366	-38.391	168.826
302	1	-6.779	-29.262	-25.915	-6.358	-5.105	-30.936	165.252
302	2	-6.777	-30.798	-26.120	-7.117	-4.826	-32.749	164.674
303	1	-6.721	-29.007	-25.877	-8.546	-3.821	-31.907	161.255
303	2	-6.673	-30.359	-26.035	-9.400	-3.396	-33.637	160.779
304	1	-10.471	-36.694	-28.149	-11.776	-5.959	-41.206	159.035
304	2	-10.468	-39.486	-28.603	-12.998	-5.497	-44.457	159.071
305	1	-11.213	-39.608	-28.947	-18.550	-2.050	-48.770	153.714
305	2	-11.251	-42.564	-29.442	-20.194	-1.354	-52.461	153.893
306	1	-29.626	-25.487	-29.845	-15.377	-12.040	-43.073	131.167
306	2	-31.023	-26.501	-30.222	-17.007	-11.605	-45.919	131.214
307	1	-28.520	-21.061	-28.744	-8.670	-15.351	-34.230	123.362
307	2	-29.726	-21.317	-28.925	-9.573	-15.065	-35.978	123.145
308	1	-27.510	-10.378	-26.388	-5.696	-8.657	-29.231	106.812
308	2	-26.551	-11.434	-26.290	-6.017	-9.331	-28.654	109.262
309	1	0.107	-31.024	-24.693	-0.803	0.127	-31.045	178.523
309	2	0.785	-33.269	-24.899	-0.860	0.806	-33.291	178.553

ELEMENT	LOCATION	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
310	1	-0.332	-28.785	-24.292	-0.427	-0.325	-28.792	179.139
310	2	0.390	-31.345	-24.551	-0.545	0.399	-31.355	179.015
311	1	-0.696	-30.232	-24.666	-1.386	-0.631	-30.297	177.319
311	2	-0.025	-32.997	-24.976	-1.517	0.044	-33.067	177.371
312	1	0.149	-31.649	-24.833	-1.359	0.207	-31.707	177.556
312	2	0.845	-33.980	-25.053	-1.604	0.919	-34.054	177.367
313	1	-0.367	-33.695	-25.380	-3.935	0.090	-34.154	173.355
313	2	0.279	-36.223	-25.650	-4.371	0.795	-36.739	173.264
314	1	-0.290	-34.813	-25.551	-4.182	0.208	-35.312	173.189
314	2	0.521	-38.182	-25.954	-4.762	1.098	-38.759	173.087
315	1	-2.488	-43.572	-27.784	-6.342	-1.531	-44.529	171.420
315	2	-1.951	-48.040	-28.462	-6.964	-0.921	-49.069	171.591
316	1	-2.913	-34.788	-26.180	-8.324	-0.870	-36.831	166.211
316	2	-2.436	-37.462	-26.513	-9.358	-0.093	-39.805	165.940
317	1	-3.655	-37.703	-26.978	-15.099	2.075	-43.434	159.215
317	2	-3.220	-40.541	-27.352	-16.555	3.065	-46.826	159.210
318	1	-13.570	-66.031	-34.626	-25.539	-3.190	-76.410	157.882
318	2	-13.444	-72.995	-35.886	-28.105	-2.274	-84.164	158.326
319	1	-25.309	-112.855	-46.499	-45.146	-6.200	-131.965	157.057
319	2	-26.536	-125.229	-49.111	-47.821	-7.165	-144.600	157.949
320	1	-84.629	-24.678	-40.753	-44.988	-0.593	-108.713	118.162
320	2	-88.654	-26.980	-41.905	-49.085	0.150	-115.785	118.931
321	1	-0.529	-23.611	-23.181	-0.447	-0.520	-23.620	178.890
321	2	0.199	-25.974	-23.394	-0.430	0.206	-25.982	179.057
322	1	0.558	-28.546	-23.986	1.133	0.602	-28.591	2.226
322	2	1.291	-31.103	-24.239	1.220	1.337	-31.149	2.155
323	1	0.193	-29.993	-24.359	0.174	0.194	-29.994	0.332
323	2	0.875	-32.755	-24.663	0.249	0.877	-32.757	0.424
324	1	-0.505	-23.913	-23.257	2.272	-0.286	-24.131	5.494
324	2	0.252	-26.390	-23.488	2.470	0.479	-26.617	5.253
325	1	-0.756	-24.899	-23.527	1.788	-0.624	-25.031	4.214
325	2	-0.062	-27.634	-23.821	2.110	0.098	-27.794	4.351
326	1	1.794	-34.275	-24.941	4.681	2.392	-34.873	7.276
326	2	2.644	-37.633	-25.331	5.199	3.305	-38.293	7.237
327	1	-0.404	-43.033	-27.174	2.522	-0.255	-43.182	3.374
327	2	0.171	-47.490	-27.838	2.997	0.359	-47.678	3.584
328	1	-0.978	-25.591	-23.792	8.891	1.897	-28.466	17.923

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
328	2	-0.412	-28.632	-24.174	9.891	2.709	-31.754	17.516
329	1	-0.681	-24.355	-23.544	9.244	2.500	-27.537	18.994
329	2	-0.217	-27.802	-24.027	10.727	3.463	-31.483	18.937
330	1	5.940	-61.135	-29.655	21.388	12.180	-67.374	16.263
330	2	6.172	-68.072	-30.884	24.225	13.378	-75.278	16.564
331	1	-5.798	-107.960	-41.525	1.777	-5.767	-107.991	0.996
331	2	-6.919	-120.307	-44.106	4.505	-6.740	-120.485	2.272
332	1	8.134	-24.664	-22.149	36.096	31.381	-47.912	32.783
332	2	2.997	-27.692	-23.674	41.364	31.770	-56.466	34.823
333	1	0.196	-23.414	-22.929	-0.447	0.204	-23.423	178.915
333	2	0.894	-25.784	-23.147	-0.430	0.901	-25.791	179.075
334	1	-2.595	-17.726	-22.323	0.988	-2.531	-17.790	3.722
334	2	-2.147	-19.741	-22.519	1.076	-2.081	-19.806	3.489
335	1	-2.451	-17.138	-22.189	1.322	-2.333	-17.256	5.103
335	2	-2.004	-19.159	-22.387	1.612	-1.854	-19.310	5.322
336	1	-0.137	-23.807	-23.098	3.228	0.294	-24.240	7.629
336	2	0.509	-26.312	-23.354	3.649	0.997	-26.799	7.610
337	1	-0.388	-24.793	-23.365	2.744	-0.083	-25.098	6.337
337	2	0.195	-27.554	-23.685	3.288	0.579	-27.938	6.667
338	1	-5.086	-15.802	-22.494	4.951	-3.149	-17.739	21.370
338	2	-5.044	-17.712	-22.750	5.681	-2.869	-19.887	20.945
339	1	-4.415	-13.087	-21.858	3.985	-2.862	-14.640	21.293
339	2	-4.338	-14.858	-22.081	4.845	-2.447	-16.749	21.325
340	1	-1.341	-25.667	-23.814	7.893	0.995	-28.004	16.490
340	2	-1.198	-28.814	-24.299	9.245	1.610	-31.623	16.903
341	1	-1.044	-24.433	-23.567	8.246	1.570	-27.048	17.595
341	2	-1.003	-27.986	-24.154	10.081	2.347	-31.337	18.384
342	1	-9.081	-10.466	-22.391	11.499	1.746	-21.294	43.276
342	2	-11.007	-11.927	-22.954	13.641	2.181	-25.116	44.034
343	1	-7.049	-2.258	-20.445	5.571	1.410	-10.719	56.633
343	2	-8.751	-2.815	-20.788	6.911	1.738	-13.305	56.619
344	1	39.371	-16.830	-14.214	-0.033	39.371	-16.830	179.965
344	2	39.875	-18.449	-14.334	1.176	39.898	-18.473	1.155
345	1	-1.085	-2.363	-18.732	0.040	-1.083	-2.365	1.833
345	2	-0.769	-2.894	-18.654	0.100	-0.765	-2.899	2.704
346	1	-3.346	-17.889	-22.383	0.066	-3.345	-17.889	0.263
346	2	-3.291	-20.002	-22.675	0.166	-3.290	-20.003	0.571

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAX PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
347	1	-3.201	-17.299	-22.248	0.400	-3.189	-17.310	1.625
347	2	-3.148	-19.418	-22.541	0.701	-3.118	-19.449	2.465
348	1	-1.382	-1.852	-18.715	-0.076	-1.370	-1.864	170.964
348	2	-1.208	-2.328	-18.655	0.092	-1.200	-2.336	4.687
349	1	-1.218	-1.173	-18.573	-0.153	-1.041	-1.351	130.811
349	2	-1.028	-1.584	-18.498	0.097	-1.011	-1.600	9.702
350	1	-3.307	-15.333	-21.927	-0.104	-3.306	-15.334	179.502
350	2	-3.518	-17.306	-22.245	0.353	-3.508	-17.315	1.467
351	1	-2.637	-12.618	-21.292	-1.069	-2.524	-12.731	173.951
351	2	-2.813	-14.452	-21.576	-0.481	-2.793	-14.472	177.633
352	1	-0.116	-0.447	-18.287	-0.175	-0.040	-0.523	156.641
352	2	-0.296	-0.712	-18.259	0.145	-0.250	-0.758	17.531
353	1	0.197	0.851	-18.014	-0.272	0.950	0.099	109.921
353	2	0.053	0.733	-17.953	0.010	0.733	0.053	89.076
354	1	2.334	-7.585	-19.404	-4.210	3.880	-9.132	159.836
354	2	1.968	-8.657	-19.580	-3.827	3.203	-9.892	162.116
355	1	4.364	0.621	-17.459	-10.137	12.802	-7.816	140.229
355	2	4.223	0.453	-17.415	-10.555	13.060	-8.384	140.062
356	1	13.327	0.523	-15.606	0.310	13.335	0.516	1.387
356	2	13.741	0.468	-15.432	0.522	13.762	0.447	2.250
357	1	-1.471	-2.424	-18.653	0.040	-1.469	-2.426	2.456
357	2	-1.514	-3.044	-18.663	0.100	-1.507	-3.051	3.742
358	1	-0.610	6.933	-16.532	-0.535	6.971	-0.648	94.040
358	2	-0.589	7.204	-16.352	-0.549	7.243	-0.628	94.014
359	1	-0.714	6.530	-16.646	-1.021	6.671	-0.855	97.874
359	2	-0.694	6.796	-16.468	-1.021	6.933	-0.831	97.628
360	1	-1.293	-1.795	-18.518	-1.759	0.233	-3.322	139.063
360	2	-1.365	-2.333	-18.519	-1.787	0.002	-3.700	142.577
361	1	-1.128	-1.116	-18.376	-1.836	0.713	-2.959	134.903
361	2	-1.184	-1.588	-18.362	-1.781	0.406	-3.179	138.234
362	1	-0.229	5.568	-16.792	-1.919	6.145	-0.807	106.755
362	2	-0.262	5.842	-16.625	-1.961	6.418	-0.837	106.362
363	1	-0.553	4.301	-17.144	-2.226	5.167	-1.419	111.260
363	2	-0.595	4.540	-16.989	-2.292	5.414	-1.469	110.877
364	1	0.027	-0.374	-18.067	-3.712	3.544	-3.891	136.552
364	2	-0.037	-0.611	-18.013	-3.830	3.516	-4.165	137.141
365	1	0.342	0.924	-17.792	-3.809	4.454	-3.186	132.814

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
365	2	0.313	0.834	-17.705	-3.965	4.547	-3.399	133.117
366	1	1.899	2.035	-17.192	-2.196	4.165	-0.230	134.109
366	2	1.953	2.183	-17.042	-2.293	4.365	-0.228	133.562
367	1	1.649	1.066	-17.471	-1.060	2.457	0.257	142.689
367	2	1.689	1.159	-17.338	-1.126	2.581	0.267	141.615
368	1	3.335	-1.923	-17.849	-3.558	5.130	-3.718	153.232
368	2	3.531	-2.033	-17.728	-3.840	5.492	-3.993	152.961
369	1	-22.624	-201.835	-90.509	-24.257	-19.398	-205.060	172.426
369	2	-22.511	-205.964	-91.158	-24.153	-19.384	-209.091	172.623
370	1	-13.139	-234.951	-82.044	44.254	-4.636	-243.455	10.877
370	2	-13.164	-239.556	-82.838	45.158	-4.489	-248.232	10.874
371	1	-29.105	-238.900	-85.841	28.034	-25.424	-242.581	7.481
371	2	-29.978	-243.717	-86.845	30.996	-25.574	-248.121	8.087
372	1	-6.869	-268.023	-100.150	-27.583	-3.987	-270.905	174.036
372	2	-6.650	-274.117	-101.166	-27.338	-3.884	-276.883	174.223
373	1	-16.502	-270.381	-102.291	-32.576	-12.389	-274.495	172.803
373	2	-16.252	-276.466	-103.295	-32.601	-12.229	-280.489	172.966
374	1	-51.738	-265.538	-95.330	-49.277	-40.927	-276.349	167.626
374	2	-52.537	-270.265	-96.297	-52.172	-40.681	-282.121	167.197
375	1	-29.417	-259.929	-89.596	-53.524	-17.595	-271.751	167.545
375	2	-29.397	-264.451	-90.357	-54.397	-17.419	-276.429	167.581
376	1	-8.125	-243.620	-94.840	-26.865	-5.100	-246.646	173.573
376	2	-8.084	-247.601	-95.461	-26.782	-5.126	-250.559	173.697
377	1	-23.214	-182.863	-112.434	20.198	-20.698	-185.379	7.100
377	2	-23.328	-187.941	-113.269	20.302	-20.861	-190.408	6.928
378	1	-9.947	-215.422	-128.625	-38.537	-2.957	-222.412	169.719
378	2	-9.958	-220.435	-129.402	-38.366	-3.183	-227.211	169.985
379	1	-25.979	-219.363	-132.292	-42.367	-17.104	-228.238	168.169
379	2	-25.924	-224.359	-133.051	-42.188	-17.327	-232.956	168.422
380	1	-6.313	-244.591	-120.801	15.422	-5.319	-245.585	3.688
380	2	-5.773	-249.444	-121.456	15.511	-4.790	-250.427	3.628
381	1	-15.929	-246.927	-122.880	10.426	-15.459	-247.397	2.579
381	2	-15.358	-251.771	-123.524	10.245	-14.915	-252.215	2.477
382	1	-8.837	-277.439	-139.784	-42.748	-2.198	-284.079	171.172
382	2	-8.853	-282.222	-140.508	-42.609	-2.366	-288.709	171.343
383	1	-25.222	-281.455	-143.517	-39.943	-19.140	-287.537	171.342
383	2	-25.191	-286.225	-144.227	-39.822	-19.250	-292.165	171.516

5620

ELEMENT	LOAD CASE	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
384	1	-29.634	-308.665	-137.335	12.512	-29.074	-309.225	2.562
384	2	-29.740	-313.278	-138.063	12.291	-29.208	-313.810	2.477
385	1	-27.994	-157.895	-156.386	-49.167	-11.483	-174.406	161.437
385	2	-27.949	-163.113	-157.131	-48.978	-12.067	-178.995	162.034
386	1	-10.434	-197.401	-149.087	33.280	-4.686	-203.148	9.798
386	2	-10.445	-202.452	-149.829	33.140	-4.886	-208.011	9.522
387	1	-26.450	-201.328	-152.684	29.443	-21.625	-206.153	9.305
387	2	-26.395	-206.363	-153.406	29.311	-21.741	-211.016	9.021
388	1	-7.166	-244.407	-168.696	-50.933	3.306	-254.880	168.381
388	2	-7.210	-249.275	-169.385	-50.737	2.993	-259.480	168.628
389	1	-28.011	-249.524	-173.445	-51.212	-16.744	-260.791	167.592
389	2	-27.979	-254.373	-174.113	-51.014	-17.015	-265.337	167.870
390	1	-16.885	-289.814	-167.660	30.813	-13.450	-293.250	6.362
390	2	-16.872	-294.514	-168.320	30.725	-13.512	-297.873	6.240
391	1	-33.255	-293.814	-171.326	33.619	-28.987	-298.082	7.235
391	2	-33.194	-298.501	-171.972	33.513	-29.026	-302.669	7.089
392	1	-7.278	-336.586	-185.797	-48.701	-0.226	-343.637	171.761
392	2	-7.332	-341.130	-186.418	-48.515	-0.423	-348.038	171.895
393	1	-26.888	-135.350	-173.399	44.320	-11.081	-151.157	19.628
393	2	-26.855	-140.647	-174.128	44.148	-11.736	-155.767	18.904
394	1	-4.836	-187.808	-189.467	-54.506	10.169	-202.814	164.607
394	2	-4.981	-192.902	-190.155	-54.291	9.669	-207.453	164.997
395	1	-28.695	-193.671	-194.903	-56.204	-11.367	-210.999	162.865
395	2	-28.649	-198.743	-195.567	-55.982	-11.878	-215.514	163.322
396	1	-11.226	-242.630	-190.764	42.752	-3.580	-250.276	10.140
396	2	-11.266	-247.509	-191.420	42.591	-3.822	-254.953	9.914
397	1	-32.057	-247.736	-195.464	42.480	-23.992	-255.801	10.750
397	2	-32.021	-252.596	-196.100	42.320	-24.179	-260.437	10.496
398	1	-5.925	-298.664	-210.296	-55.844	4.365	-308.955	169.558
398	2	-5.977	-303.328	-210.895	-55.622	4.086	-313.392	169.744
399	1	-29.724	-304.486	-215.656	-54.739	-19.220	-314.990	169.137
399	2	-29.685	-309.128	-216.230	-54.523	-19.423	-319.389	169.341
400	1	-16.228	-354.531	-212.607	44.677	-10.427	-360.332	7.397
400	2	-16.250	-358.977	-213.168	44.512	-10.563	-364.664	7.280
401	1	-28.241	-124.727	-209.536	-58.183	-0.902	-152.067	154.832
401	2	-28.189	-130.074	-210.224	-57.950	-1.974	-156.290	155.659
402	1	-6.734	-179.596	-207.167	52.381	7.899	-194.230	15.609

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
402	2	-6.782	-184.723	-207.840	52.177	7.389	-198.894	15.195
403	1	-30.580	-185.436	-212.555	50.690	-15.463	-200.553	16.606
403	2	-30.538	-190.540	-213.203	50.493	-15.936	-205.142	16.129
404	1	-4.270	-242.454	-227.123	-58.548	9.343	-256.068	166.910
404	2	-4.321	-247.335	-227.735	-58.312	8.946	-260.602	167.181
405	1	-29.832	-248.721	-232.886	-58.798	-15.038	-263.515	165.876
405	2	-29.785	-253.576	-233.471	-58.561	-15.386	-267.974	166.187
406	1	-10.992	-303.259	-231.024	50.944	-2.367	-311.884	9.609
406	2	-11.032	-307.895	-231.591	50.746	-2.597	-316.330	9.437
407	1	-34.779	-309.078	-236.349	52.049	-25.235	-318.623	10.391
407	2	-34.729	-313.691	-236.892	51.845	-25.404	-323.015	10.195
408	1	-6.054	-365.860	-250.279	-57.696	2.971	-374.885	171.109
408	2	-6.109	-370.251	-250.788	-57.464	2.744	-379.104	171.241
409	1	-29.567	-116.710	-224.168	56.530	-1.765	-144.512	26.188
409	2	-29.521	-122.090	-224.852	56.304	-2.918	-148.693	25.289
410	1	-2.607	-176.627	-237.632	-58.781	15.387	-194.622	162.979
410	2	-2.658	-181.770	-238.285	-58.543	14.778	-199.207	163.413
411	1	-28.919	-183.068	-243.533	-59.104	-8.866	-203.121	161.258
411	2	-28.868	-188.184	-244.159	-58.865	-9.478	-207.574	161.768
412	1	-7.169	-240.828	-243.248	56.139	5.618	-253.616	12.832
412	2	-7.218	-245.709	-243.848	55.916	5.241	-258.168	12.561
413	1	-32.722	-247.086	-248.962	55.888	-19.026	-260.783	13.769
413	2	-32.672	-251.943	-249.535	55.665	-19.349	-265.265	13.459
414	1	-5.216	-306.086	-262.051	-58.864	5.890	-317.193	169.315
414	2	-5.268	-310.708	-262.594	-58.625	5.597	-321.574	169.499
415	1	-31.472	-312.500	-267.876	-58.964	-19.602	-324.370	168.617
415	2	-31.421	-317.096	-268.393	-58.726	-19.820	-328.697	168.825
416	1	-10.511	-370.578	-267.847	56.565	-1.834	-379.255	8.721
416	2	-10.555	-374.937	-268.337	56.340	-2.043	-383.450	8.591
417	1	-26.874	-115.882	-249.029	-57.819	1.585	-144.342	153.793
417	2	-26.825	-121.268	-249.717	-57.586	0.425	-148.519	154.676
418	1	-4.779	-174.671	-250.451	58.805	13.589	-193.039	17.347
418	2	-4.831	-179.816	-251.106	58.568	12.962	-197.610	16.899
419	1	-31.083	-181.105	-256.311	58.484	-10.978	-201.210	18.971
419	2	-31.033	-186.225	-256.939	58.247	-11.603	-205.654	18.447
420	1	-3.850	-240.817	-268.011	-57.250	9.255	-253.923	167.105
420	2	-3.900	-245.698	-268.614	-57.019	8.870	-258.470	167.375

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
421	1	-29.850	-247.168	-273.753	-57.420	-15.611	-261.407	166.073
421	2	-29.798	-252.024	-274.329	-57.189	-15.944	-265.878	166.382
422	1	-7.625	-305.174	-275.002	58.653	3.518	-316.319	10.758
422	2	-7.676	-309.793	-275.546	58.417	3.225	-320.695	10.571
423	1	-33.873	-311.582	-280.793	58.554	-22.032	-323.423	11.432
423	2	-33.821	-316.175	-281.310	58.317	-22.251	-327.746	11.222
424	1	-7.013	-371.513	-292.542	-57.460	1.829	-380.356	171.250
424	2	-7.060	-375.866	-293.034	-57.227	1.615	-384.542	171.379
425	1	-29.533	-118.535	-259.682	58.498	-0.533	-147.535	26.369
425	2	-29.481	-123.901	-260.379	58.261	-1.704	-151.678	25.491
426	1	-2.410	-176.430	-269.473	-54.564	13.283	-192.124	163.954
426	2	-2.458	-181.567	-270.154	-54.348	12.742	-196.768	164.373
427	1	-27.307	-182.503	-274.916	-53.801	-10.480	-199.329	162.632
427	2	-27.260	-187.615	-275.571	-53.590	-10.999	-203.876	163.120
428	1	-5.534	-239.612	-277.630	59.018	8.504	-253.651	13.380
428	2	-5.586	-244.493	-278.247	58.779	8.092	-258.171	13.100
429	1	-31.527	-245.956	-283.344	58.861	-16.432	-261.051	14.383
429	2	-31.478	-250.811	-283.934	58.622	-16.793	-265.496	14.063
430	1	-6.085	-303.443	-293.329	-53.655	3.299	-312.828	170.078
430	2	-6.127	-308.071	-293.902	-53.444	3.053	-317.251	170.253
431	1	-30.924	-309.480	-298.703	-54.645	-20.588	-319.817	169.288
431	2	-30.871	-314.084	-299.250	-54.429	-20.771	-324.184	169.487
432	1	-7.718	-366.463	-301.119	58.471	1.571	-375.753	9.027
432	2	-7.772	-370.836	-301.630	58.235	1.339	-379.948	8.893
433	1	-24.123	-125.225	-272.899	-50.037	-3.546	-145.802	157.646
433	2	-24.088	-130.551	-273.645	-49.851	-4.389	-150.249	158.439
434	1	-4.516	-179.470	-276.967	56.233	11.999	-195.986	16.367
434	2	-4.564	-184.580	-277.669	56.008	11.439	-200.584	15.946
435	1	-29.407	-185.541	-282.389	56.990	-10.818	-204.130	18.065
435	2	-29.360	-190.628	-283.065	56.759	-11.386	-208.601	17.571
436	1	-4.859	-239.609	-290.375	-48.818	4.888	-249.357	168.708
436	2	-4.897	-244.489	-291.042	-48.639	4.600	-253.987	168.951
437	1	-27.872	-245.205	-295.305	-48.900	-17.376	-255.701	167.886
437	2	-27.827	-250.064	-295.949	-48.721	-17.614	-260.276	168.162
438	1	-6.168	-298.436	-298.754	57.076	4.582	-309.187	10.667
438	2	-6.221	-303.087	-299.360	56.846	4.291	-313.600	10.478
439	1	-31.003	-304.466	-304.149	56.080	-19.949	-315.520	11.150

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
439	2	-30.961	-309.092	-304.729	55.855	-20.163	-319.890	10.941
440	1	-8.762	-359.028	-312.628	-49.785	-1.823	-365.967	172.065
440	2	-8.790	-363.444	-313.195	-49.599	-1.984	-370.250	172.186
441	1	-27.453	-135.576	-279.191	52.407	-6.220	-156.809	22.055
441	2	-27.405	-140.823	-279.957	52.204	-7.035	-161.193	21.316
442	1	-3.703	-184.522	-284.914	-44.416	6.617	-194.843	166.918
442	2	-3.739	-189.596	-285.682	-44.270	6.266	-199.603	167.263
443	1	-24.407	-189.534	-289.274	-42.943	-13.906	-200.034	166.260
443	2	-24.377	-194.591	-290.024	-42.810	-14.216	-204.752	166.648
444	1	-5.390	-238.796	-293.849	53.554	6.310	-250.497	12.325
444	2	-5.436	-243.674	-294.555	53.344	5.962	-255.073	12.062
445	1	-28.401	-244.382	-298.764	53.472	-15.888	-256.896	13.171
445	2	-28.364	-249.239	-299.448	53.261	-16.191	-261.411	12.873
446	1	-7.908	-293.343	-305.167	-42.885	-1.604	-299.647	171.637
446	2	-7.930	-298.027	-305.848	-42.751	-1.760	-304.196	171.788
447	1	-28.562	-298.339	-309.430	-44.429	-21.433	-305.467	170.884
447	2	-28.517	-303.005	-310.093	-44.285	-21.549	-309.973	171.058
448	1	-6.509	-347.099	-313.276	52.301	1.341	-354.950	8.536
448	2	-6.564	-351.589	-313.901	52.099	1.131	-359.284	8.402
449	1	-20.562	-146.916	-281.896	-37.773	-10.131	-157.347	164.562
449	2	-20.553	-152.070	-282.746	-37.687	-10.519	-162.104	165.091
450	1	-5.461	-190.809	-287.429	47.090	5.816	-202.086	13.468
450	2	-5.492	-195.825	-288.232	46.924	5.447	-206.765	13.123
451	1	-26.164	-195.818	-291.782	48.570	-13.243	-208.739	14.897
451	2	-26.129	-200.817	-292.567	48.391	-13.620	-213.327	14.494
452	1	-6.835	-238.704	-295.914	-36.191	-1.318	-244.222	171.331
452	2	-6.852	-243.580	-296.709	-36.118	-1.464	-248.968	171.515
453	1	-24.726	-243.014	-299.539	-36.199	-18.880	-248.861	170.825
453	2	-24.700	-247.879	-300.321	-36.126	-18.998	-253.581	171.030
454	1	-6.208	-285.816	-304.183	48.576	1.990	-294.015	9.580
454	2	-6.252	-290.551	-304.927	48.398	1.761	-298.565	9.401
455	1	-26.861	-290.794	-308.495	47.025	-18.732	-298.923	9.806
455	2	-26.839	-295.513	-309.220	46.859	-18.900	-303.451	9.615
456	1	-11.110	-334.373	-313.440	-37.667	-6.779	-338.705	173.441
456	2	-11.109	-338.961	-314.167	-37.580	-6.856	-343.214	173.544
457	1	-24.037	-162.005	-284.181	41.170	-12.685	-173.357	15.414
457	2	-24.003	-167.013	-285.052	41.052	-13.056	-177.959	14.930

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
458	1	-5.808	-197.750	-286.036	-30.722	-1.010	-202.548	171.124
458	2	-5.820	-202.698	-286.932	-30.705	-1.142	-207.376	171.338
459	1	-20.613	-201.283	-288.911	-28.884	-16.107	-205.789	171.134
459	2	-20.613	-206.228	-289.801	-28.888	-16.221	-210.620	171.355
460	1	-6.419	-238.227	-294.299	42.687	1.191	-245.838	10.109
460	2	-6.446	-243.099	-295.149	42.555	0.972	-250.519	9.890
461	1	-24.311	-242.538	-297.937	42.686	-16.259	-250.590	10.683
461	2	-24.295	-247.399	-298.774	42.553	-16.454	-255.239	10.440
462	1	-9.914	-278.609	-300.653	-28.899	-6.841	-281.683	173.930
462	2	-9.903	-283.406	-301.506	-28.903	-6.882	-286.427	174.033
463	1	-24.678	-282.125	-303.514	-30.670	-21.074	-285.728	173.299
463	2	-24.654	-286.918	-304.361	-30.654	-21.118	-290.453	173.421
464	1	-6.824	-318.402	-307.971	41.064	-1.503	-323.723	7.383
464	2	-6.869	-323.128	-308.789	40.947	-1.653	-328.344	7.259
465	1	-16.865	-175.533	-278.664	-23.509	-13.455	-178.943	171.746
465	2	-16.901	-180.384	-279.634	-23.587	-13.565	-183.719	171.952
466	1	-7.092	-205.712	-284.489	33.879	-1.472	-211.332	9.418
466	2	-7.093	-210.564	-285.421	33.828	-1.616	-216.040	9.196
467	1	-21.899	-209.247	-287.371	35.721	-15.319	-215.827	10.437
467	2	-21.887	-214.095	-288.297	35.649	-15.488	-220.494	10.176
468	1	-8.859	-237.975	-287.983	-21.946	-6.775	-240.058	174.577
468	2	-8.840	-242.842	-288.940	-22.044	-6.782	-244.901	174.665
469	1	-20.517	-240.733	-290.074	-21.908	-18.359	-242.892	174.373
469	2	-20.524	-245.606	-291.034	-22.007	-18.393	-247.738	174.467
470	1	-7.068	-270.018	-294.969	35.647	-2.321	-274.765	7.585
470	2	-7.091	-274.903	-295.904	35.576	-2.445	-279.548	7.439
471	1	-21.834	-273.542	-297.857	33.874	-17.355	-278.021	7.532
471	2	-21.844	-278.423	-298.787	33.822	-17.460	-282.807	7.384
472	1	-12.565	-302.839	-299.323	-23.429	-10.686	-304.718	175.415
472	2	-12.519	-307.729	-300.271	-23.505	-10.659	-309.589	175.476
473	1	-19.673	-190.900	-277.337	27.010	-15.513	-195.060	8.755
473	2	-19.663	-195.523	-278.311	27.037	-15.600	-199.586	8.546
474	1	-8.130	-212.477	-276.138	-17.423	-6.655	-213.952	175.161
474	2	-8.106	-217.220	-277.159	-17.606	-6.634	-218.692	175.220
475	1	-16.998	-214.536	-277.562	-15.735	-15.752	-215.782	175.474
475	2	-17.046	-219.296	-278.598	-15.949	-15.796	-220.546	175.518
476	1	-7.760	-237.707	-282.770	28.467	-4.288	-241.178	6.953

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
476	2	-7.753	-242.570	-283.786	28.473	-4.350	-245.973	6.816
477	1	-19.422	-240.455	-284.881	28.500	-15.806	-244.071	7.230
477	2	-19.440	-245.325	-285.901	28.505	-15.899	-248.866	7.082
478	1	-11.751	-262.587	-284.584	-15.800	-10.760	-263.578	176.410
478	2	-11.683	-267.566	-285.637	-16.012	-10.695	-268.564	176.433
479	1	-20.595	-264.637	-285.988	-17.371	-19.364	-265.867	175.948
479	2	-20.608	-269.633	-287.055	-17.555	-19.376	-270.865	175.987
480	1	-7.589	-287.029	-290.252	26.825	-5.037	-289.581	5.434
480	2	-7.610	-292.138	-291.313	26.853	-5.098	-294.650	5.344
481	1	-13.629	-202.698	-266.146	-11.239	-12.963	-203.364	176.610
481	2	-13.728	-207.087	-267.198	-11.557	-13.040	-207.775	176.591
482	1	-8.662	-219.740	-271.527	20.178	-6.751	-221.651	5.412
482	2	-8.615	-224.342	-272.568	20.309	-6.720	-226.237	5.331
483	1	-17.534	-221.806	-272.965	21.871	-15.219	-224.122	6.043
483	2	-17.558	-226.426	-274.020	21.971	-15.272	-228.712	5.940
484	1	-10.793	-237.219	-270.988	-9.927	-10.358	-237.653	177.494
484	2	-10.725	-242.073	-272.094	-10.275	-10.270	-242.528	177.462
485	1	-16.954	-238.607	-271.754	-9.863	-16.516	-239.045	177.457
485	2	-17.013	-243.492	-272.888	-10.212	-16.553	-243.952	177.423
486	1	-8.568	-254.947	-276.296	21.801	-6.653	-256.861	5.018
486	2	-8.553	-260.059	-277.435	21.903	-6.660	-261.952	4.940
487	1	-17.416	-256.999	-277.720	20.223	-15.721	-258.694	4.791
487	2	-17.473	-262.128	-278.874	20.353	-15.791	-263.810	4.723
488	1	-14.132	-272.959	-276.576	-11.266	-13.642	-273.448	177.512
488	2	-14.025	-278.307	-277.763	-11.582	-13.518	-278.813	177.495
489	1	-15.521	-216.130	-262.164	14.282	-14.509	-217.142	4.052
489	2	-15.548	-220.197	-263.178	14.529	-14.521	-221.223	4.041
490	1	-9.972	-225.339	-258.848	-6.000	-9.805	-225.506	178.405
490	2	-9.899	-229.783	-259.931	-6.465	-9.709	-229.973	178.317
491	1	-13.697	-226.120	-259.030	-4.549	-13.600	-226.217	178.773
491	2	-13.815	-230.611	-260.158	-5.057	-13.697	-230.729	178.664
492	1	-9.298	-237.077	-263.656	15.523	-8.245	-238.130	3.881
492	2	-9.239	-241.928	-264.803	15.739	-8.179	-242.988	3.852
493	1	-15.463	-238.468	-264.442	15.588	-14.379	-239.552	3.979
493	2	-15.529	-243.350	-265.617	15.803	-14.438	-244.441	3.949
494	1	-13.086	-248.208	-261.896	-4.621	-12.995	-248.299	178.874
494	2	-12.964	-253.452	-263.120	-5.127	-12.855	-253.561	178.779

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
495	1	-16.789	-248.983	-262.085	-5.919	-16.638	-249.134	178.540
495	2	-16.858	-254.274	-263.353	-6.384	-16.686	-254.445	178.460
496	1	-9.270	-259.285	-265.920	14.155	-8.471	-260.084	3.230
496	2	-9.250	-264.948	-267.227	14.403	-8.441	-265.757	3.214
497	1	-10.723	-225.784	-247.976	-0.883	-10.719	-225.788	179.764
497	2	-10.909	-229.523	-248.997	-1.530	-10.899	-229.534	179.598
498	1	-9.939	-231.517	-252.506	8.324	-9.626	-231.830	2.148
498	2	-9.821	-235.770	-253.563	8.718	-9.486	-236.106	2.206
499	1	-13.669	-232.300	-252.709	9.774	-13.233	-232.736	2.555
499	2	-13.743	-236.600	-253.811	10.127	-13.283	-237.059	2.596
500	1	-12.211	-236.394	-249.011	0.180	-12.211	-236.394	0.046
500	2	-12.079	-241.229	-250.181	-0.507	-12.077	-241.230	179.873
501	1	-13.711	-236.631	-248.680	0.252	-13.711	-236.631	0.065
501	2	-13.843	-241.531	-249.913	-0.435	-13.842	-241.532	179.890
502	1	-9.925	-241.819	-252.475	9.677	-9.522	-242.222	2.385
502	2	-9.855	-247.250	-253.767	10.030	-9.432	-247.673	2.415
503	1	-13.633	-242.603	-252.685	8.380	-13.327	-242.909	2.093
503	2	-13.754	-248.081	-254.021	8.774	-13.426	-248.409	2.141
504	1	-15.174	-247.192	-249.728	-0.980	-15.170	-247.196	179.758
504	2	-14.989	-253.184	-251.108	-1.625	-14.978	-253.195	179.609
505	1	-11.917	-237.095	-242.638	3.459	-11.864	-237.149	0.880
505	2	-11.997	-240.412	-243.545	4.013	-11.926	-240.482	1.006
506	1	-11.286	-235.970	-238.009	3.549	-11.230	-236.026	0.905
506	2	-11.146	-240.010	-239.004	2.710	-11.114	-240.042	0.678
507	1	-10.702	-235.689	-237.180	4.808	-10.599	-235.792	1.224
507	2	-10.911	-239.816	-238.259	3.917	-10.844	-239.883	0.980
508	1	-10.560	-236.288	-240.878	4.502	-10.470	-236.378	1.142
508	2	-10.426	-241.123	-242.040	5.012	-10.317	-241.232	1.244
509	1	-12.065	-236.526	-240.561	4.574	-11.972	-236.619	1.167
509	2	-12.195	-241.427	-241.786	5.085	-12.083	-241.540	1.270
510	1	-14.073	-235.922	-236.598	4.715	-13.973	-236.023	1.217
510	2	-13.872	-241.524	-237.883	3.823	-13.808	-241.588	0.962
511	1	-13.480	-235.640	-235.782	3.623	-13.421	-235.699	0.934
511	2	-13.628	-241.328	-237.151	2.785	-13.594	-241.362	0.700
512	1	-10.700	-235.732	-238.815	3.384	-10.649	-235.783	0.861
512	2	-10.619	-242.145	-240.293	3.936	-10.552	-242.212	0.973
513	1	-7.975	-245.204	-227.805	8.036	-7.704	-245.476	1.938

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
513	2	-8.273	-248.096	-228.579	6.969	-8.070	-248.298	1.663
514	1	-10.984	-241.281	-231.185	-1.575	-10.973	-241.292	179.608
514	2	-10.774	-245.081	-232.072	-0.829	-10.771	-245.084	179.797
515	1	-10.405	-241.001	-230.369	-0.314	-10.405	-241.001	179.922
515	2	-10.545	-244.887	-231.341	0.379	-10.544	-244.888	0.093
516	1	-13.028	-235.499	-225.622	8.925	-12.671	-235.856	2.294
516	2	-12.814	-240.309	-226.672	7.807	-12.546	-240.577	1.963
517	1	-10.492	-234.740	-224.356	9.007	-10.131	-235.101	2.296
517	2	-10.720	-239.660	-225.513	7.890	-10.448	-239.932	1.971
518	1	-11.093	-230.473	-227.161	-0.399	-11.093	-230.474	179.895
518	2	-10.944	-236.319	-228.460	0.294	-10.944	-236.319	0.074
519	1	-10.505	-230.192	-226.366	-1.490	-10.494	-230.203	179.611
519	2	-10.704	-236.124	-227.748	-0.744	-10.702	-236.127	179.811
520	1	-15.546	-225.077	-222.215	7.960	-15.244	-225.379	2.172
520	2	-15.268	-231.906	-223.646	6.896	-15.048	-232.125	1.821
521	1	-8.762	-254.655	-222.288	-5.864	-8.622	-254.794	178.634
521	2	-8.908	-257.023	-222.832	-4.912	-8.811	-257.121	178.866
522	1	-12.193	-244.847	-217.028	11.525	-11.623	-245.416	2.829
522	2	-11.971	-248.375	-217.668	10.223	-11.529	-248.817	2.471
523	1	-7.986	-243.671	-215.346	12.493	-7.325	-244.332	3.026
523	2	-8.311	-247.336	-216.121	11.129	-7.794	-247.853	2.660
524	1	-11.442	-235.432	-217.770	-5.000	-11.330	-235.544	178.721
524	2	-11.209	-240.249	-218.724	-4.103	-11.136	-240.323	178.974
525	1	-8.912	-234.674	-216.518	-4.919	-8.804	-234.781	178.752
525	2	-9.121	-239.601	-217.579	-4.020	-9.051	-239.671	179.001
526	1	-14.531	-225.308	-211.812	12.622	-13.778	-226.062	3.415
526	2	-14.238	-231.361	-212.935	11.262	-13.655	-231.944	2.961
527	1	-10.247	-224.118	-210.144	11.707	-9.608	-224.757	3.124
527	2	-10.498	-230.306	-211.400	10.411	-10.006	-230.798	2.706
528	1	-11.562	-215.354	-212.014	-5.935	-11.389	-215.527	178.333
528	2	-11.396	-222.713	-213.479	-4.987	-11.278	-222.830	178.648
529	1	-7.996	-261.180	-209.285	14.978	-7.113	-262.063	3.374
529	2	-8.425	-263.029	-209.468	13.414	-7.720	-263.734	3.007
530	1	-11.712	-248.812	-210.649	-9.913	-11.298	-249.226	177.610
530	2	-11.385	-252.055	-211.055	-8.723	-11.070	-252.370	177.927
531	1	-7.510	-247.644	-208.995	-8.944	-7.177	-247.977	177.870
531	2	-7.731	-251.023	-209.536	-7.816	-7.480	-251.274	178.161

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
532	1	-15.485	-234.764	-204.353	15.756	-14.359	-235.890	4.089
532	2	-15.238	-239.552	-204.986	14.134	-14.351	-240.439	3.591
533	1	-10.002	-233.277	-202.415	15.699	-8.904	-234.375	4.002
533	2	-10.384	-238.221	-203.203	14.078	-9.518	-239.088	3.522
534	1	-11.912	-220.667	-203.349	-9.136	-11.513	-221.066	177.498
534	2	-11.660	-227.013	-204.384	-8.014	-11.362	-227.311	177.871
535	1	-7.632	-219.484	-201.709	-10.051	-7.157	-219.960	177.289
535	2	-7.925	-225.966	-202.877	-8.864	-7.565	-226.326	177.675
536	1	-17.316	-206.799	-197.496	14.946	-16.144	-207.970	4.482
536	2	-17.028	-214.665	-198.729	13.385	-16.126	-215.567	3.857
537	1	-3.727	-268.240	-215.364	-13.308	-3.059	-268.908	177.127
537	2	-3.955	-269.505	-215.118	-11.874	-3.425	-270.035	177.444
538	1	-13.210	-251.893	-210.422	18.201	-11.830	-253.273	4.336
538	2	-12.891	-254.823	-210.254	16.377	-11.787	-255.927	3.855
539	1	-6.106	-249.993	-208.041	18.864	-4.656	-251.444	4.397
539	2	-6.557	-253.117	-208.066	16.977	-5.394	-254.280	3.920
540	1	-10.425	-234.104	-208.693	-12.503	-9.728	-234.801	176.810
540	2	-10.010	-238.891	-209.023	-11.135	-9.470	-239.432	177.221
541	1	-4.507	-232.509	-206.610	-12.564	-3.817	-233.200	176.855
541	2	-4.772	-237.466	-207.108	-11.194	-4.234	-238.003	177.252
542	1	-15.234	-216.739	-202.098	18.602	-13.531	-218.442	5.230
542	2	-14.844	-223.326	-202.646	16.714	-13.513	-224.658	4.555
543	1	-8.184	-214.865	-199.772	17.792	-6.664	-216.385	4.884
543	2	-8.563	-221.643	-200.510	15.975	-7.372	-222.834	4.264
544	1	-11.156	-198.854	-200.106	-13.286	-10.220	-199.790	175.971
544	2	-10.785	-207.314	-201.173	-11.857	-10.073	-208.027	176.559
545	1	-5.719	-275.449	-205.104	24.871	-3.445	-277.723	5.224
545	2	-6.399	-276.150	-204.154	22.735	-4.497	-278.052	4.784
546	1	-12.597	-254.468	-204.779	-16.422	-11.487	-255.578	176.133
546	2	-12.134	-257.110	-204.184	-14.722	-11.252	-257.991	176.573
547	1	-5.496	-252.575	-202.412	-15.758	-4.495	-253.576	176.365
547	2	-5.804	-255.410	-202.011	-14.120	-5.008	-256.206	176.772
548	1	-14.474	-232.814	-197.212	21.915	-12.296	-234.992	5.675
548	2	-14.139	-237.555	-196.872	19.808	-12.396	-239.298	5.027
549	1	-6.948	-230.821	-194.777	20.556	-5.077	-232.693	5.203
549	2	-7.499	-235.784	-194.659	18.389	-6.027	-237.255	4.576
550	1	-12.946	-212.570	-194.815	-15.756	-11.710	-213.806	175.514

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
550	2	-12.566	-219.479	-195.092	-14.126	-11.606	-220.439	176.112
551	1	-5.899	-210.696	-192.503	-16.566	-4.568	-212.027	175.405
551	2	-6.289	-217.796	-192.972	-14.865	-5.249	-218.835	175.999
552	1	-15.456	-192.333	-187.740	18.810	-13.478	-194.311	6.004
552	2	-14.992	-201.323	-188.223	16.719	-13.504	-202.812	5.087
553	1	-1.876	-264.249	-197.093	-10.629	-1.446	-264.679	177.684
553	2	-2.189	-263.853	-195.405	-8.754	-1.897	-264.146	178.086
554	1	-12.793	-242.429	-192.405	21.413	-10.814	-244.409	5.282
554	2	-12.390	-244.756	-190.870	19.266	-10.803	-246.342	4.707
555	1	-6.037	-240.842	-190.172	19.701	-4.396	-242.483	4.763
555	2	-6.635	-243.437	-188.896	17.397	-5.364	-244.708	4.179
556	1	-11.841	-226.451	-190.411	-14.442	-10.874	-227.419	176.167
556	2	-11.334	-230.873	-189.530	-12.474	-10.628	-231.579	176.758
557	1	-4.349	-224.577	-188.011	-15.711	-3.233	-225.693	175.940
557	2	-4.729	-229.226	-187.355	-13.813	-3.882	-230.072	176.492
558	1	-13.471	-204.839	-183.395	17.028	-11.967	-206.342	5.045
558	2	-13.002	-211.898	-182.804	14.812	-11.905	-212.995	4.236
559	1	-6.772	-203.101	-181.176	15.863	-5.498	-204.375	4.589
559	2	-7.301	-210.409	-180.836	13.673	-6.384	-211.325	3.834
560	1	-12.874	-186.172	-180.996	-17.589	-11.107	-187.940	174.262
560	2	-12.444	-195.661	-181.147	-15.603	-11.125	-196.981	175.166
561	1	-2.968	-248.351	-185.948	16.528	-1.860	-249.460	3.836
561	2	-3.637	-247.521	-183.123	14.125	-2.822	-248.336	3.303
562	1	-10.016	-234.728	-186.221	-9.331	-9.629	-235.115	177.626
562	2	-9.334	-236.407	-183.941	-7.182	-9.107	-236.634	178.190
563	1	-3.203	-232.907	-183.932	-11.164	-2.661	-233.449	177.224
563	2	-3.518	-234.837	-181.909	-9.153	-3.156	-235.199	177.737
564	1	-11.482	-217.487	-180.384	16.733	-10.132	-218.837	4.613
564	2	-10.990	-221.852	-178.381	14.264	-10.029	-222.812	3.952
565	1	-4.644	-215.665	-178.118	16.569	-3.351	-216.958	4.462
565	2	-5.255	-220.308	-176.397	14.110	-4.333	-221.229	3.738
566	1	-11.266	-199.427	-177.781	-13.338	-10.325	-200.368	175.965
566	2	-10.711	-206.601	-176.642	-11.298	-10.061	-207.251	176.710
567	1	-4.557	-197.641	-175.555	-14.541	-3.468	-198.730	175.717
567	2	-5.000	-205.066	-174.669	-12.468	-4.226	-205.840	176.447
568	1	-13.473	-180.801	-171.874	15.968	-11.962	-182.311	5.402
568	2	-12.929	-190.633	-170.968	13.547	-11.902	-191.660	4.334

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
569	1	-3.856	-254.654	-184.087	-14.946	-2.969	-255.541	176.601
569	2	-4.281	-253.417	-180.447	-12.638	-3.641	-254.057	177.103
570	1	-7.749	-235.422	-179.308	18.060	-6.325	-236.846	4.507
570	2	-7.259	-236.822	-175.642	15.492	-6.218	-237.863	3.843
571	1	-3.101	-234.147	-177.584	18.579	-1.616	-235.631	4.568
571	2	-3.784	-235.842	-174.224	15.983	-2.688	-236.938	3.921
572	1	-10.512	-216.339	-176.674	-14.274	-9.527	-217.324	176.051
572	2	-9.888	-220.744	-173.972	-12.019	-9.205	-221.427	176.748
573	1	-3.676	-214.524	-174.422	-14.437	-2.692	-215.508	176.101
573	2	-4.155	-219.206	-172.003	-12.173	-3.468	-219.893	176.770
574	1	-12.494	-196.189	-170.836	18.483	-10.652	-198.031	5.689
574	2	-11.959	-203.502	-168.374	15.880	-10.652	-204.810	4.707
575	1	-4.677	-194.126	-168.369	17.968	-2.988	-195.815	5.370
575	2	-5.320	-201.735	-166.209	15.418	-4.117	-202.938	4.461
576	1	-11.638	-176.168	-167.342	-14.992	-10.283	-177.523	174.835
576	2	-11.080	-186.507	-165.860	-12.690	-10.167	-187.420	175.883
577	1	-1.571	-257.650	-179.448	19.484	-0.097	-259.124	4.326
577	2	-2.291	-256.051	-174.156	16.838	-1.178	-257.164	3.780
578	1	-7.692	-237.178	-177.271	-17.172	-6.414	-238.456	175.744
578	2	-7.002	-238.458	-172.724	-14.684	-6.074	-239.386	176.384
579	1	-3.045	-235.910	-175.547	-16.653	-1.860	-237.095	175.930
579	2	-3.528	-237.486	-171.307	-14.194	-2.670	-238.344	176.541
580	1	-11.350	-215.644	-171.960	19.682	-9.471	-217.523	5.453
580	2	-10.826	-219.980	-167.635	17.009	-9.452	-221.355	4.619
581	1	-2.823	-213.409	-169.299	19.652	-1.005	-215.227	5.286
581	2	-3.523	-218.054	-165.294	16.993	-2.186	-219.392	4.501
582	1	-11.340	-193.532	-167.719	-16.559	-9.847	-195.024	174.848
582	2	-10.693	-201.068	-164.468	-14.116	-9.652	-202.109	175.782
583	1	-3.524	-191.476	-165.252	-17.073	-1.985	-193.014	174.851
583	2	-4.054	-199.308	-162.306	-14.579	-2.972	-200.391	175.753
584	1	-12.527	-171.317	-161.845	19.331	-10.207	-173.636	6.842
584	2	-11.989	-181.908	-158.804	16.678	-10.368	-183.529	5.553
585	1	-1.779	-259.626	-178.518	-18.884	-0.403	-261.001	175.833
585	2	-2.278	-257.948	-172.203	-16.261	-1.248	-258.978	176.375
586	1	-10.425	-238.198	-175.275	19.769	-8.721	-239.901	4.924
586	2	-9.907	-239.345	-168.814	17.113	-8.637	-240.614	4.242
587	1	-1.626	-235.892	-172.524	19.768	0.029	-237.549	4.789

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
587	2	-2.333	-237.349	-166.390	17.140	-1.090	-238.593	4.149
588	1	-10.919	-215.063	-170.384	-18.420	-9.270	-216.712	174.885
588	2	-10.211	-219.460	-165.079	-15.827	-9.020	-220.651	175.698
589	1	-2.393	-212.828	-167.737	-18.450	-0.788	-214.433	175.027
589	2	-2.910	-217.535	-162.755	-15.843	-1.747	-218.698	175.800
590	1	-11.204	-191.547	-164.571	19.761	-9.064	-193.687	6.180
590	2	-10.699	-199.079	-159.444	17.122	-9.155	-200.623	5.151
591	1	-2.361	-189.236	-161.855	19.708	-0.305	-191.292	5.955
591	2	-3.086	-197.078	-157.052	17.074	-1.595	-198.570	4.992
592	1	-11.476	-168.242	-159.652	-18.692	-9.278	-170.440	173.293
592	2	-10.792	-179.034	-155.674	-16.090	-9.267	-180.559	174.585
593	1	-1.046	-258.973	-177.622	18.932	0.336	-260.355	4.176
593	2	-1.706	-257.304	-169.124	16.421	-0.655	-258.355	3.661
594	1	-10.246	-237.733	-174.833	-19.704	-8.552	-239.427	175.086
594	2	-9.527	-239.000	-167.249	-17.046	-8.268	-240.259	175.774
595	1	-1.447	-235.427	-172.089	-19.705	0.200	-237.075	175.219
595	2	-1.954	-237.004	-164.835	-17.019	-0.728	-238.230	175.880
596	1	-10.151	-214.275	-169.475	18.719	-8.449	-215.978	5.196
596	2	-9.674	-218.606	-161.998	16.231	-8.420	-219.860	4.416
597	1	-1.521	-212.013	-166.786	18.674	0.122	-213.657	5.030
597	2	-2.229	-216.646	-159.630	16.205	-1.012	-217.863	4.297
598	1	-10.970	-190.863	-164.086	-19.639	-8.851	-192.983	173.841
598	2	-10.242	-198.417	-157.822	-16.976	-8.723	-199.936	174.886
599	1	-2.128	-188.551	-161.363	-19.690	-0.071	-190.608	174.036
599	2	-2.630	-196.415	-155.426	-17.021	-1.147	-197.899	175.018
600	1	-10.574	-167.234	-158.673	18.914	-8.323	-169.485	6.787
600	2	-10.151	-177.876	-152.534	16.390	-8.564	-179.462	5.529
601	1	-0.417	-255.815	-177.644	-19.592	1.076	-257.309	175.638
601	2	-0.937	-254.629	-167.962	-16.964	0.192	-255.758	176.191
602	1	-9.160	-235.731	-175.761	17.184	-7.864	-237.027	4.313
602	2	-8.699	-237.122	-165.753	14.917	-7.729	-238.092	3.720
603	1	-1.294	-233.656	-173.245	16.427	-0.138	-234.812	4.024
603	2	-1.900	-235.321	-163.536	14.279	-1.030	-236.191	3.487
604	1	-10.146	-213.612	-170.096	-19.824	-8.233	-215.526	174.486
604	2	-9.430	-218.024	-161.343	-17.171	-8.026	-219.428	175.325
605	1	-1.515	-211.350	-167.421	-19.870	0.349	-213.215	174.638
605	2	-1.986	-216.064	-158.993	-17.197	-0.613	-217.437	175.436

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
606	1	-9.033	-191.150	-165.283	16.452	-7.559	-192.624	5.121
606	2	-8.682	-198.458	-156.568	14.288	-7.612	-199.527	4.292
607	1	-1.128	-189.068	-162.787	17.096	0.413	-190.610	5.155
607	2	-1.850	-196.650	-154.369	14.854	-0.723	-197.776	4.335
608	1	-11.192	-169.076	-159.921	-19.482	-8.823	-171.445	173.068
608	2	-10.432	-179.398	-152.418	-16.879	-8.762	-181.067	174.350
609	1	-1.883	-249.985	-180.368	13.614	-1.138	-250.730	3.131
609	2	-2.299	-249.442	-168.020	11.846	-1.732	-250.009	2.738
610	1	-8.607	-232.020	-176.708	-18.304	-7.117	-233.510	175.347
610	2	-7.985	-233.924	-165.385	-15.890	-6.873	-235.036	175.996
611	1	-0.739	-229.945	-174.185	-19.061	0.835	-231.520	175.278
611	2	-1.186	-232.124	-163.165	-16.527	-0.009	-233.300	175.927
612	1	-7.794	-212.653	-173.014	12.699	-7.009	-213.438	3.534
612	2	-7.495	-217.017	-161.577	11.045	-6.914	-217.598	3.009
613	1	-1.277	-210.913	-170.842	12.619	-0.520	-211.670	3.432
613	2	-1.855	-215.504	-159.662	10.988	-1.292	-216.068	2.936
614	1	-9.970	-193.420	-167.699	-18.965	-8.029	-195.360	174.159
614	2	-9.250	-200.396	-157.472	-16.458	-7.843	-201.803	175.114
615	1	-2.063	-191.337	-165.204	-18.321	-0.306	-193.095	174.521
615	2	-2.417	-198.588	-155.277	-15.892	-1.138	-199.867	175.398
616	1	-7.132	-173.499	-163.522	13.686	-6.014	-174.617	4.671
616	2	-7.001	-183.004	-153.249	11.899	-6.201	-183.805	3.850
617	1	0.161	-239.558	-180.557	-15.944	1.217	-240.614	176.211
617	2	-0.293	-240.427	-166.991	-13.846	0.502	-241.222	176.710
618	1	-6.775	-226.537	-180.615	8.733	-6.428	-226.884	2.272
618	2	-6.509	-229.010	-166.468	7.609	-6.249	-229.270	1.956
619	1	-2.489	-225.355	-178.982	7.029	-2.268	-225.576	1.805
619	2	-2.798	-227.980	-165.025	6.157	-2.630	-228.149	1.565
620	1	-8.145	-211.822	-175.597	-16.934	-6.746	-213.220	175.279
620	2	-7.559	-216.287	-162.626	-14.714	-6.527	-217.319	175.987
621	1	-1.626	-210.089	-173.405	-17.014	-0.246	-211.469	175.364
621	2	-1.919	-214.782	-160.694	-14.771	-0.898	-215.802	176.049
622	1	-5.648	-196.753	-172.829	7.066	-5.387	-197.014	2.114
622	2	-5.636	-203.095	-159.634	6.172	-5.443	-203.288	1.788
623	1	-1.352	-195.567	-171.210	8.608	-0.971	-195.948	2.533
623	2	-1.918	-202.062	-158.204	7.510	-1.637	-202.343	2.146
624	1	-9.887	-182.311	-168.494	-15.855	-8.441	-183.757	174.789

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
624	2	-9.144	-190.606	-156.374	-13.786	-8.103	-191.647	175.680
625	1	-3.616	-226.752	-185.507	1.707	-3.603	-226.765	0.438
625	2	-3.525	-229.208	-168.961	1.597	-3.513	-229.219	0.405
626	1	-5.535	-218.774	-182.185	-11.527	-4.914	-219.396	176.914
626	2	-5.208	-222.328	-166.650	-10.030	-4.745	-222.790	177.360
627	1	-1.247	-217.585	-180.539	-13.231	-0.441	-218.392	176.513
627	2	-1.496	-221.293	-165.198	-11.481	-0.898	-221.891	177.017
628	1	-3.956	-210.542	-181.215	0.064	-3.956	-210.542	0.018
628	2	-4.032	-215.001	-165.204	0.202	-4.032	-215.001	0.055
629	1	-2.669	-210.111	-180.324	-0.023	-2.669	-210.111	180.000
629	2	-2.907	-214.621	-164.406	0.138	-2.907	-214.621	0.037
630	1	-7.865	-202.833	-177.827	-13.096	-6.989	-203.708	176.174
630	2	-7.308	-208.306	-162.772	-11.373	-6.666	-208.948	176.771
631	1	-3.567	-201.648	-176.204	-11.553	-2.895	-202.320	176.673
631	2	-3.588	-207.276	-161.341	-10.035	-3.095	-207.770	177.186
632	1	-2.973	-193.884	-176.061	1.846	-2.955	-193.902	0.554
632	2	-3.376	-200.397	-160.673	1.713	-3.361	-200.412	0.498
633	1	-0.058	-209.384	-185.077	-5.657	0.094	-209.536	178.453
633	2	-0.306	-214.569	-167.502	-4.909	-0.194	-214.681	178.688
634	1	-2.116	-209.784	-187.218	-5.045	-1.993	-209.907	178.609
634	2	-2.277	-214.560	-168.745	-3.936	-2.204	-214.633	178.938
635	1	-4.213	-210.189	-187.143	-7.227	-3.960	-210.443	177.993
635	2	-3.970	-214.876	-168.628	-5.696	-3.817	-215.030	178.454
636	1	-4.514	-209.669	-184.898	-7.386	-4.249	-209.934	177.940
636	2	-4.278	-214.237	-167.212	-6.375	-4.084	-214.430	178.262
637	1	-3.226	-209.226	-183.988	-7.474	-2.955	-209.496	177.924
637	2	-3.151	-213.846	-166.400	-6.438	-2.955	-214.042	178.251
638	1	-1.536	-209.029	-185.239	-7.090	-1.294	-209.271	178.045
638	2	-2.132	-213.328	-166.928	-5.593	-1.983	-213.476	178.484
639	1	-3.571	-209.420	-185.158	-5.198	-3.440	-209.551	178.554
639	2	-3.763	-213.631	-166.807	-4.086	-3.684	-213.710	178.885
640	1	-7.644	-209.497	-183.808	-5.602	-7.488	-209.652	178.411
640	2	-7.085	-213.512	-166.110	-4.885	-6.970	-213.627	178.645
641	1	-8.142	-194.840	-191.316	-10.114	-7.596	-195.386	176.909
641	2	-7.209	-203.044	-170.840	-7.083	-6.953	-203.300	177.931
642	1	-0.445	-199.965	-188.679	1.866	-0.428	-199.982	0.534
642	2	-0.719	-206.552	-168.958	1.462	-0.709	-206.562	0.407

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
643	1	-2.541	-200.371	-188.597	-0.314	-2.540	-200.371	179.909
643	2	-2.412	-206.870	-168.840	-0.295	-2.411	-206.871	179.917
644	1	-0.840	-207.794	-191.278	-12.788	-0.053	-208.582	176.477
644	2	-1.533	-212.409	-170.537	-9.615	-1.096	-212.846	177.394
645	1	-6.588	-209.109	-192.115	-14.531	-5.551	-210.147	175.916
645	2	-6.197	-213.467	-171.171	-11.323	-5.580	-214.083	176.882
646	1	-4.206	-216.601	-191.029	-0.443	-4.206	-216.602	179.880
646	2	-4.057	-219.267	-170.625	-0.449	-4.056	-219.268	179.880
647	1	-6.239	-216.987	-190.933	1.448	-6.229	-216.997	0.393
647	2	-5.687	-219.566	-170.494	1.057	-5.682	-219.571	0.283
648	1	0.701	-224.588	-192.581	-13.077	1.457	-225.345	176.689
648	2	-0.498	-225.520	-171.401	-10.400	-0.018	-226.000	177.359
649	1	-0.436	-161.152	-186.468	12.255	0.492	-162.082	4.336
649	2	-0.223	-173.541	-165.414	10.961	0.466	-174.231	3.604
650	1	1.789	-182.850	-191.650	-16.449	3.243	-184.304	174.948
650	2	1.000	-190.948	-169.220	-12.087	1.758	-191.707	176.411
651	1	-8.152	-185.743	-193.584	-21.235	-5.648	-188.247	173.275
651	2	-7.057	-193.310	-170.746	-16.184	-5.661	-194.706	175.070
652	1	0.507	-199.578	-192.759	9.822	0.988	-200.059	2.803
652	2	0.085	-204.394	-170.456	8.608	0.447	-204.756	2.406
653	1	-5.273	-201.035	-193.610	8.012	-4.946	-201.363	2.340
653	2	-4.611	-205.592	-171.108	6.846	-4.378	-205.825	1.948
654	1	2.804	-219.875	-196.993	-21.528	4.866	-221.938	174.528
654	2	1.399	-220.599	-173.434	-16.722	2.652	-221.852	175.716
655	1	-7.097	-222.178	-198.786	-20.497	-5.161	-224.114	174.604
655	2	-6.624	-222.471	-174.845	-16.287	-5.401	-223.693	175.709
656	1	-3.593	-239.009	-199.634	9.611	-3.201	-239.401	2.334
656	2	-3.488	-235.995	-175.877	7.854	-3.222	-236.260	1.932
657	1	-8.840	-135.820	-188.268	-27.420	-3.172	-141.488	168.320
657	2	-6.752	-151.741	-164.750	-21.068	-3.753	-154.741	171.897
658	1	6.061	-163.602	-189.535	21.281	8.690	-166.230	7.041
658	2	4.886	-174.411	-166.329	18.359	6.746	-176.272	5.786
659	1	-3.733	-165.915	-191.323	16.667	-2.038	-167.611	5.807
659	2	-3.047	-176.276	-167.733	14.401	-1.858	-177.465	4.720
660	1	4.503	-193.649	-195.895	-28.955	8.647	-197.794	171.854
660	2	2.950	-198.305	-171.012	-21.835	5.292	-200.647	173.878
661	1	-8.916	-196.870	-198.577	-29.392	-4.427	-201.359	171.316

5620'

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
661	2	-7.569	-200.818	-173.056	-22.258	-5.038	-203.349	173.514
662	1	1.362	-223.538	-200.538	15.879	2.478	-224.653	4.019
662	2	0.837	-221.892	-174.953	13.459	1.648	-222.702	3.445
663	1	-8.547	-225.877	-202.344	16.967	-7.230	-227.194	4.437
663	2	-7.190	-223.778	-176.374	13.940	-6.296	-224.671	3.667
664	1	4.650	-251.230	-205.429	-26.705	7.408	-253.988	174.105
664	2	2.303	-243.672	-178.519	-20.227	3.955	-245.324	175.330
665	1	-5.544	-121.566	-186.044	23.982	-0.782	-126.328	11.230
665	2	-4.791	-143.772	-162.917	19.197	-2.188	-146.375	7.721
666	1	4.496	-155.514	-190.804	-32.522	10.854	-161.872	168.939
666	2	1.894	-169.402	-166.237	-23.354	5.021	-172.529	172.374
667	1	-12.336	-159.592	-194.359	-32.700	-5.401	-166.528	168.026
667	2	-10.956	-172.502	-168.885	-23.059	-7.729	-175.729	172.033
668	1	4.794	-191.402	-196.683	22.407	7.321	-193.928	6.433
668	2	3.458	-196.131	-170.645	18.247	5.112	-197.786	5.181
669	1	-8.623	-194.626	-199.365	21.969	-6.064	-197.185	6.645
669	2	-7.061	-198.648	-172.692	17.824	-5.417	-200.293	5.270
670	1	-2.327	-229.110	-204.972	-33.903	2.633	-234.070	171.676
670	2	-5.606	-224.879	-177.181	-23.840	-3.044	-227.441	173.866
671	1	-19.729	-233.326	-208.649	-34.067	-14.427	-238.628	171.154
671	2	-18.737	-228.047	-179.891	-25.056	-15.779	-231.005	173.267
672	1	0.810	-265.516	-210.353	23.030	2.787	-267.493	4.906
672	2	0.234	-251.796	-180.746	18.088	1.525	-253.088	4.084
673	1	-2.414	-122.258	-184.916	-19.959	0.822	-125.495	170.788
673	2	-14.074	-155.126	-164.868	-2.004	-14.046	-155.154	179.186
674	1	4.858	-154.338	-190.173	32.827	11.361	-160.842	11.206
674	2	1.937	-170.134	-165.291	26.331	5.876	-174.073	8.508
675	1	-11.975	-158.420	-193.729	32.648	-5.027	-165.369	12.015
675	2	-10.915	-173.239	-167.942	26.624	-6.659	-177.494	9.081
676	1	12.401	-188.581	-193.947	-22.344	14.855	-191.035	173.732
676	2	1.017	-193.433	-168.441	-9.070	1.440	-193.855	177.335
677	1	-13.195	-194.850	-199.667	-21.629	-10.655	-197.390	173.302
677	2	-16.618	-197.735	-172.288	-10.864	-15.968	-198.384	176.579
678	1	-1.979	-227.988	-204.359	33.662	2.927	-232.896	8.294
678	2	-4.054	-219.551	-174.753	26.944	-0.736	-222.869	7.020
679	1	-19.382	-232.209	-208.039	33.500	-14.233	-237.357	8.737
679	2	-17.186	-222.726	-177.469	25.728	-14.015	-225.897	7.027

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
680	1	-13.587	-266.459	-212.794	-22.704	-11.565	-268.481	174.910
680	2	-17.895	-247.868	-181.505	-14.191	-17.022	-248.740	176.482
681	1	18.145	-41.274	-163.094	67.472	62.159	-85.288	33.117
681	2	11.051	-56.076	-138.278	57.945	44.451	-89.476	29.959
682	1	-9.091	-134.489	-186.002	-2.683	-9.034	-134.546	178.774
682	2	-14.755	-140.357	-159.210	-5.489	-14.516	-140.596	177.502
683	1	-23.878	-138.071	-189.107	13.905	-22.209	-139.740	6.844
683	2	-24.568	-142.717	-161.177	9.017	-23.884	-143.401	4.339
684	1	12.250	-190.402	-192.893	52.751	25.159	-203.312	13.751
684	2	2.784	-187.772	-165.281	42.447	11.811	-196.800	12.006
685	1	-13.347	-196.669	-198.620	53.465	1.105	-211.123	15.127
685	2	-14.852	-192.072	-169.134	40.653	-5.972	-200.953	12.322
686	1	-17.534	-223.186	-203.636	33.465	-12.225	-228.495	9.014
686	2	-17.046	-210.227	-172.160	26.904	-13.369	-213.904	7.782
687	1	-20.925	-223.906	-203.848	24.441	-18.024	-226.807	6.770
687	2	-17.853	-210.320	-171.829	22.240	-15.317	-212.857	6.506
688	1	-11.109	-257.724	-209.139	49.725	-1.460	-267.372	10.981
688	2	-13.146	-230.237	-175.391	37.083	-6.986	-236.397	9.431
689	1	-154.802	-52.153	-195.702	-60.589	-24.072	-182.883	114.866
689	2	-119.425	-56.194	-160.598	-71.359	-9.760	-165.858	123.052
690	1	-16.947	-167.548	-192.218	25.949	-12.601	-171.894	9.507
690	2	-21.590	-169.204	-164.531	13.365	-20.389	-170.404	5.132
691	1	-31.735	-171.129	-195.340	42.539	-19.779	-183.086	15.699
691	2	-31.404	-171.563	-166.514	27.872	-26.065	-176.902	10.844
692	1	-120.863	-212.878	-220.275	11.062	-119.551	-214.189	6.760
692	2	-99.101	-209.281	-186.484	-0.547	-99.098	-209.284	179.715
693	1	-95.301	-206.414	-213.509	40.468	-82.124	-219.591	18.035
693	2	-83.901	-205.418	-182.365	31.327	-76.300	-213.019	13.638
694	1	-12.660	-205.083	-197.374	39.240	-4.965	-212.777	11.094
694	2	-14.362	-200.806	-168.163	27.675	-10.340	-204.827	8.267
695	1	-16.053	-205.802	-197.587	30.217	-11.357	-210.498	8.833
695	2	-15.171	-200.899	-167.833	23.012	-12.362	-203.708	6.959
696	1	-61.236	-147.760	-193.947	73.592	-19.131	-189.865	29.775
696	2	-59.096	-139.115	-163.303	69.216	-19.157	-179.054	29.985
697	1	-6.681	-50.699	-181.199	-40.020	16.982	-74.363	149.404
697	2	-31.835	-70.851	-158.815	-13.777	-27.460	-75.225	162.383
698	1	-22.912	10.627	-170.911	48.636	45.304	-57.588	54.512

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
698	2	-33.803	0.836	-143.638	40.651	27.703	-60.670	56.538
699	1	-35.721	-15.079	-175.886	38.276	14.243	-65.044	52.545
699	2	-42.411	-13.473	-145.963	33.453	8.506	-64.390	56.694
700	1	-94.263	-37.896	-191.079	14.172	-34.533	-97.626	76.652
700	2	-69.231	-45.412	-156.819	15.598	-37.696	-76.947	63.680
701	1	22.052	-1.430	-164.569	15.615	29.848	-9.226	26.529
701	2	-12.686	-6.831	-140.940	20.956	11.401	-30.919	48.976
702	1	-49.209	4.200	-176.752	-3.474	4.425	-49.434	93.706
702	2	-51.805	-3.518	-147.413	10.517	-1.327	-53.996	78.230
703	1	-61.911	-21.474	-181.671	-13.778	-17.225	-66.159	107.137
703	2	-60.327	-17.803	-149.692	3.349	-17.540	-60.589	85.523
704	1	-87.342	-0.698	-180.587	69.727	38.069	-126.110	60.926
704	2	-74.079	-5.083	-148.298	49.741	20.952	-100.115	62.371
705	1	-29.052	-13.981	-176.219	-38.820	18.027	-61.061	129.507
705	2	-43.814	-14.397	-147.642	-8.180	-12.275	-45.936	104.541
706	1	-20.588	6.968	-168.014	52.704	47.666	-61.285	52.325
706	2	-38.975	-2.662	-142.510	42.784	25.658	-67.296	56.497
707	1	-35.608	-11.370	-171.364	40.363	18.654	-65.632	53.356
707	2	-48.203	-12.106	-143.799	35.069	9.285	-69.596	58.616
708	1	-107.616	-5.423	-183.935	17.464	-2.521	-110.518	80.564
708	2	-88.971	-8.555	-150.765	22.133	-2.866	-94.661	75.584
709	1	4.203	-5.139	-163.967	22.186	22.204	-23.140	39.055
709	2	-28.317	-9.322	-140.537	26.552	9.380	-47.019	54.840
710	1	-61.637	-2.860	-176.112	0.035	-2.860	-61.637	89.965
710	2	-64.387	-8.690	-147.237	14.245	-5.258	-67.819	76.454
711	1	-76.396	-21.129	-179.367	-12.245	-18.537	-78.988	101.950
711	2	-73.442	-18.088	-148.461	6.559	-17.321	-74.208	83.333
712	1	-71.007	-3.630	-171.804	66.338	37.083	-111.721	58.461
712	2	-70.162	-7.645	-143.569	51.073	20.976	-98.783	60.733
713	1	-38.084	-15.270	-172.334	-26.968	2.604	-55.958	123.536
713	2	-52.531	-15.043	-144.927	-1.191	-15.005	-52.569	91.818
714	1	-33.139	3.481	-164.590	46.482	35.130	-64.787	55.750
714	2	-49.381	-3.375	-139.819	41.210	20.817	-73.574	59.584
715	1	-42.116	-11.550	-165.366	38.370	14.468	-68.135	55.858
715	2	-54.951	-12.765	-139.999	36.107	7.958	-75.676	60.146
716	1	-98.806	-9.999	-175.843	16.068	-7.181	-101.624	80.053
716	2	-88.592	-11.848	-146.152	22.861	-5.554	-94.886	74.607

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
717	1	-9.058	-4.675	-159.443	22.894	16.132	-29.866	47.734
717	2	-32.212	-8.499	-136.030	27.266	9.377	-50.088	56.750
718	1	-60.303	-2.743	-168.558	2.369	-2.646	-60.401	87.647
718	2	-66.325	-7.216	-142.078	13.598	-4.237	-69.304	77.646
719	1	-69.116	-17.727	-169.250	-5.687	-17.105	-69.738	96.240
719	2	-71.791	-16.574	-142.203	8.530	-15.286	-73.079	81.415
720	1	-67.565	-6.378	-162.939	53.235	24.428	-98.372	59.942
720	2	-70.843	-9.400	-137.978	48.124	16.972	-97.216	61.276
721	1	-45.914	-13.230	-165.368	-13.281	-8.514	-50.630	109.551
721	2	-55.975	-13.980	-139.679	2.201	-13.865	-56.091	87.006
722	1	-34.342	-2.317	-156.571	36.577	21.598	-58.258	56.821
722	2	-48.039	-7.054	-133.714	37.197	14.921	-70.016	59.425
723	1	-40.307	-9.911	-154.459	30.985	9.402	-59.621	58.063
723	2	-52.302	-12.476	-132.290	33.220	6.341	-71.120	60.470
724	1	-79.518	-8.548	-161.840	17.347	-4.535	-83.532	76.973
724	2	-80.673	-11.288	-137.593	23.403	-4.132	-87.829	72.998
725	1	-27.216	-6.223	-151.899	21.438	7.150	-40.589	58.043
725	2	-43.137	-9.609	-130.443	26.393	4.894	-57.641	61.210
726	1	-53.534	-6.214	-156.865	11.871	-3.402	-56.346	76.677
726	2	-61.725	-9.848	-134.000	19.577	-3.289	-68.284	71.478
727	1	-59.396	-13.774	-154.679	6.302	-12.919	-60.251	82.277
727	2	-65.915	-15.246	-132.524	15.616	-10.820	-70.341	74.175
728	1	-54.146	-10.000	-148.086	30.854	5.862	-70.010	62.789
728	2	-62.167	-12.376	-127.866	32.943	4.020	-78.564	63.539
729	1	-50.395	-10.947	-152.343	9.104	-8.947	-52.395	77.610
729	2	-59.591	-12.977	-130.829	17.515	-7.129	-65.439	71.537
730	1	-44.015	-8.462	-144.953	21.329	1.526	-54.005	64.904
730	2	-55.134	-11.026	-125.634	25.930	0.960	-67.120	65.191
731	1	-43.508	-8.744	-139.683	20.610	0.835	-53.087	65.072
731	2	-54.726	-11.237	-121.953	25.474	0.511	-66.474	65.241
732	1	-49.955	-7.809	-141.317	18.044	-1.139	-56.625	69.713
732	2	-59.008	-10.790	-123.089	23.741	-1.062	-68.735	67.720
733	1	-47.338	-9.039	-139.053	17.476	-2.263	-54.114	68.807
733	2	-57.726	-11.210	-121.540	23.063	-1.714	-67.222	67.620
734	1	-44.362	-7.256	-138.576	19.202	0.892	-52.510	67.007
734	2	-55.144	-10.127	-121.138	24.465	0.607	-65.880	66.307
735	1	-43.825	-7.516	-133.227	18.489	0.241	-51.582	67.238

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
735	2	-54.716	-10.325	-117.400	24.013	0.179	-65.221	66.373
736	1	-45.354	-10.263	-128.286	12.349	-6.353	-49.264	72.430
736	2	-55.981	-12.165	-113.988	19.111	-5.001	-63.146	69.450
737	1	-45.791	-7.349	-132.145	24.280	4.397	-57.537	64.183
737	2	-56.366	-9.962	-116.660	28.088	3.267	-69.596	64.778
738	1	-49.966	-11.164	-127.963	10.366	-8.568	-52.562	75.941
738	2	-59.552	-12.595	-113.804	17.523	-6.776	-65.371	71.631
739	1	-46.062	-7.789	-121.214	12.369	-4.140	-49.712	73.560
739	2	-56.674	-10.141	-109.059	19.053	-3.335	-63.480	70.342
740	1	-32.574	-5.764	-118.570	18.917	4.016	-42.355	62.661
740	2	-46.444	-8.875	-107.076	23.968	2.792	-58.112	64.043
741	1	-56.935	-9.284	-122.368	14.040	-5.455	-60.764	74.744
741	2	-64.826	-10.998	-109.952	20.121	-4.308	-71.516	71.608
742	1	-37.106	-6.664	-118.317	23.735	6.311	-50.082	61.336
742	2	-49.943	-9.300	-106.939	27.349	4.450	-63.695	63.306
743	1	-33.230	-3.281	-111.501	25.732	11.517	-48.028	60.098
743	2	-47.087	-6.842	-102.148	28.874	8.229	-62.159	62.436
744	1	-41.114	-10.451	-108.813	0.851	-10.428	-41.137	88.410
744	2	-52.981	-11.927	-100.395	10.275	-9.499	-55.409	76.703
745	1	-43.476	-4.631	-112.559	32.940	14.186	-62.294	60.262
745	2	-54.784	-7.594	-102.971	34.009	10.203	-72.582	62.375
746	1	-52.267	-12.390	-110.254	3.329	-12.114	-52.543	85.259
746	2	-61.337	-13.104	-101.499	11.930	-10.315	-64.127	76.839
747	1	-46.591	-6.646	-102.860	6.894	-5.490	-47.747	80.478
747	2	-57.166	-8.878	-96.289	14.601	-4.806	-61.238	74.417
748	1	-20.572	-4.080	-97.502	19.616	8.952	-33.605	56.400
748	2	-37.719	-7.259	-92.320	24.059	5.984	-50.964	61.167
749	1	-61.541	-10.334	-105.536	11.569	-7.841	-64.034	77.841
749	2	-68.058	-11.676	-98.314	18.051	-6.392	-73.342	73.683
750	1	-32.510	-6.241	-99.266	26.195	9.927	-48.679	58.315
750	2	-46.681	-8.607	-93.667	28.825	6.900	-62.188	61.721
751	1	-26.893	-0.497	-91.814	29.746	18.846	-46.238	56.963
751	2	-42.555	-4.382	-88.419	31.487	13.351	-60.289	60.611
752	1	-36.995	-10.490	-90.495	-6.303	-9.067	-38.418	102.719
752	2	-50.236	-11.783	-87.768	4.221	-11.325	-50.694	83.808
753	1	-40.903	-3.862	-93.813	39.197	20.968	-65.735	57.645
753	2	-54.146	-7.294	-90.310	39.458	15.168	-76.609	60.348

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
754	1	-58.192	-14.496	-93.908	-2.519	-14.351	-58.337	93.289
754	2	-67.549	-15.114	-90.786	7.139	-14.159	-68.504	82.383
755	1	-51.154	-6.659	-86.683	2.250	-6.545	-51.267	87.112
755	2	-62.324	-8.779	-85.580	10.710	-6.716	-64.387	79.098
756	1	-14.394	-3.719	-79.241	20.700	12.320	-30.434	52.228
756	2	-33.582	-6.856	-79.783	25.071	8.191	-48.630	59.028
757	1	-73.269	-9.351	-89.844	8.921	-8.129	-74.491	82.201
757	2	-81.538	-10.880	-88.597	16.095	-7.387	-85.032	77.753
758	1	-30.519	-6.428	-81.243	31.959	15.680	-52.627	55.326
758	2	-46.959	-9.182	-81.718	34.640	11.385	-67.527	59.301
759	1	-23.897	1.317	-74.058	36.641	27.459	-50.040	54.493
759	2	-42.037	-2.914	-76.543	38.136	20.385	-65.337	58.577
760	1	-39.502	-11.378	-75.162	-12.682	-6.503	-44.376	111.024
760	2	-54.504	-12.571	-77.894	-1.255	-12.534	-54.541	91.713
761	1	-44.164	-0.986	-77.131	45.042	27.373	-72.524	57.804
761	2	-58.208	-4.305	-79.054	44.808	21.032	-83.545	60.513
762	1	-59.088	-14.099	-78.363	-5.298	-13.483	-59.704	96.627
762	2	-70.229	-14.527	-80.575	4.437	-14.175	-70.580	85.474
763	1	-51.914	-5.803	-71.573	0.116	-5.802	-51.914	89.855
763	2	-64.565	-7.944	-75.700	8.830	-6.599	-65.910	81.338
764	1	-9.005	-2.795	-62.743	23.538	17.842	-29.643	48.757
764	2	-30.088	-5.832	-68.612	27.605	12.191	-48.112	56.858
765	1	-72.496	-8.192	-74.973	7.566	-7.313	-73.374	83.378
765	2	-81.142	-9.633	-78.550	14.560	-6.782	-83.993	78.921
766	1	-29.847	-5.857	-66.399	31.207	15.580	-51.285	55.512
766	2	-46.784	-8.052	-71.651	33.564	11.331	-66.168	59.992
767	1	-22.755	2.430	-59.566	36.603	28.546	-48.872	54.492
767	2	-41.189	-1.479	-66.749	37.942	21.489	-64.158	58.811
768	1	-36.561	-10.607	-61.084	-13.414	-4.920	-42.248	112.974
768	2	-52.364	-11.687	-68.542	-2.321	-11.555	-52.496	93.255
769	1	-44.139	-0.182	-63.280	43.773	26.820	-71.142	58.330
769	2	-58.399	-3.344	-69.849	43.565	20.661	-82.406	61.143
770	1	-56.690	-13.027	-64.694	-5.580	-12.325	-57.392	97.169
770	2	-68.592	-13.391	-71.568	3.692	-13.145	-68.837	86.190
771	1	-50.154	-4.797	-58.648	-0.489	-4.792	-50.159	90.619
771	2	-63.410	-6.786	-67.296	7.857	-5.716	-64.480	82.244
772	1	-8.651	-2.847	-50.194	22.829	17.263	-28.762	48.622

ELEMENT	LOAD COMB.	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
772	2	-29.789	-5.556	-60.460	26.700	11.648	-46.994	57.204
773	1	-69.878	-8.612	-62.506	6.942	-7.835	-70.655	83.615
773	2	-79.170	-9.875	-70.537	13.805	-7.225	-81.819	79.137
774	1	-30.082	-5.617	-54.253	29.886	14.442	-50.142	56.129
774	2	-47.082	-7.545	-63.849	32.288	10.545	-65.172	60.738
775	1	-23.644	2.597	-48.182	34.953	26.811	-47.858	55.288
775	2	-41.984	-0.955	-59.568	36.433	20.341	-63.281	59.691
776	1	-34.462	-9.855	-49.724	-12.681	-4.489	-39.828	112.934
776	2	-50.953	-10.966	-61.507	-2.642	-10.792	-51.127	93.764
777	1	-42.721	-1.009	-51.653	42.996	25.922	-69.653	57.938
777	2	-58.721	-4.264	-62.933	43.979	20.233	-83.219	60.881
778	1	-60.809	-13.500	-54.649	-7.032	-12.477	-61.832	98.278
778	2	-73.979	-14.235	-66.153	1.902	-14.174	-74.039	88.178
779	1	-54.454	-4.961	-49.504	-2.048	-4.877	-54.538	92.366
779	2	-68.875	-6.787	-62.455	5.976	-6.217	-69.445	84.551
780	1	-11.601	-3.530	-40.956	22.805	15.593	-30.725	50.017
780	2	-32.546	-6.023	-55.197	26.986	10.784	-49.354	58.085
781	1	-77.543	-7.059	-53.294	5.133	-6.687	-77.915	85.856
781	2	-90.614	-8.585	-66.416	12.086	-6.842	-92.358	81.790
782	1	-32.109	-5.698	-44.335	33.723	17.312	-55.120	55.692
782	2	-50.702	-8.067	-58.587	37.141	13.439	-72.209	59.927
783	1	-26.192	2.738	-39.263	38.598	29.492	-52.947	55.272
783	2	-45.949	-0.702	-54.956	41.116	23.603	-70.255	59.410
784	1	-39.957	-10.265	-42.391	-14.037	-4.679	-45.543	111.698
784	2	-57.984	-11.521	-58.403	-4.723	-11.046	-58.459	95.746
785	1	-47.967	0.919	-42.974	44.342	27.109	-74.157	59.433
785	2	-64.793	-1.808	-58.352	46.248	22.651	-89.253	62.126
786	1	-60.220	-12.125	-46.008	-6.122	-11.357	-60.987	97.142
786	2	-75.677	-12.970	-61.824	1.830	-12.917	-75.730	88.329
787	1	-54.758	-4.344	-41.909	-1.379	-4.306	-54.796	91.566
787	2	-70.978	-6.160	-59.000	6.094	-5.592	-71.546	84.674
788	1	-12.940	-3.082	-33.495	25.331	17.794	-33.818	50.505
788	2	-34.061	-5.362	-51.529	29.637	13.216	-52.640	57.917
789	1	-73.519	-5.865	-45.142	5.378	-5.440	-73.944	85.482
789	2	-87.608	-7.300	-62.137	11.726	-5.622	-89.286	81.860
790	1	-34.407	-5.262	-37.506	30.782	14.222	-53.892	57.666
790	2	-52.748	-7.078	-55.291	34.333	11.320	-71.147	61.814

5620

ELEMENT	LOAD-COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
791	1	-29.022	2.504	-33.401	35.505	25.588	-52.106	56.970
791	2	-48.123	-0.285	-52.476	38.579	21.188	-69.597	60.899
792	1	-39.368	-9.041	-36.353	-10.725	-5.631	-42.778	107.637
792	2	-57.459	-10.275	-55.972	-2.626	-10.129	-57.604	93.176
793	1	-48.784	0.717	-36.967	39.639	22.699	-70.765	60.990
793	2	-65.552	-1.639	-55.894	42.203	19.340	-86.532	63.566
794	1	-57.457	-10.420	-39.684	-3.737	-10.124	-57.752	94.515
794	2	-73.453	-11.311	-59.214	3.241	-11.142	-73.622	87.022
795	1	-53.119	-3.637	-36.695	0.175	-3.637	-53.119	89.796
795	2	-69.691	-5.278	-57.388	6.842	-4.560	-70.410	84.003
796	1	-17.701	-3.375	-29.686	23.637	14.160	-35.238	53.429
796	2	-37.794	-5.352	-51.019	27.935	10.729	-53.876	60.071
797	1	-69.300	-4.835	-39.550	5.922	-4.295	-69.840	84.794
797	2	-84.104	-6.163	-60.235	11.719	-4.439	-85.828	81.631
798	1	-36.815	-5.021	-33.333	27.823	11.126	-52.963	59.870
798	2	-54.685	-6.624	-54.549	31.519	8.980	-70.290	63.661
799	1	-32.546	1.746	-30.346	31.717	20.655	-51.455	59.197
799	2	-50.990	-0.609	-52.742	35.102	17.405	-69.005	62.832
800	1	-39.403	-7.749	-32.923	-6.955	-6.288	-40.864	101.861
800	2	-57.322	-8.896	-56.009	0.106	-8.895	-57.322	89.873
801	1	-49.360	0.380	-33.410	34.466	18.013	-66.992	62.906
801	2	-65.867	-1.621	-55.764	37.389	15.548	-83.037	65.333
802	1	-54.961	-8.719	-35.808	-0.947	-8.699	-54.981	91.173
802	2	-71.077	-9.575	-58.896	5.293	-9.122	-71.529	85.116
803	1	-51.726	-3.140	-33.910	2.106	-3.049	-51.817	87.522
803	2	-68.307	-4.614	-58.101	8.136	-3.591	-69.330	82.834
804	1	-23.237	-3.612	-28.398	21.685	10.377	-37.227	57.173
804	2	-42.459	-5.327	-53.023	25.864	7.944	-55.731	62.836
805	1	-64.794	-3.987	-36.167	6.793	-3.237	-65.544	83.702
805	2	-79.685	-5.206	-60.417	12.158	-3.271	-81.620	80.959
806	1	-39.351	-4.723	-31.437	24.585	8.033	-52.107	62.577
806	2	-56.696	-6.132	-56.064	28.200	6.459	-69.288	65.938
807	1	-36.165	0.844	-29.549	27.624	15.589	-50.910	61.908
807	2	-53.977	-1.187	-55.297	31.029	13.154	-68.320	65.192
808	1	-40.374	-6.465	-31.789	-2.875	-6.223	-40.616	94.812
808	2	-57.906	-7.448	-58.317	3.547	-7.200	-58.154	85.997
809	1	-49.668	-0.116	-31.933	29.157	13.370	-63.154	65.178

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
809	2	-65.594	-1.847	-57.712	31.984	11.433	-78.875	67.450
810	1	-52.834	-7.030	-34.007	2.000	-6.943	-52.921	87.504
810	2	-68.560	-7.719	-60.592	7.868	-6.718	-69.561	82.749
811	1	-50.627	-2.755	-33.129	4.217	-2.386	-50.996	85.004
811	2	-66.808	-4.091	-60.815	9.886	-2.569	-68.329	81.250
812	1	-29.085	-3.668	-29.096	19.583	6.968	-39.723	61.490
812	2	-47.725	-5.178	-57.146	23.463	5.219	-58.124	66.098
813	1	-60.265	-3.360	-34.659	7.855	-2.295	-61.329	82.283
813	2	-74.314	-4.484	-62.392	13.024	-2.134	-76.664	79.771
814	1	-41.934	-4.328	-31.395	21.202	5.207	-51.470	65.784
814	2	-58.705	-5.532	-59.511	24.357	3.938	-68.176	68.753
815	1	-39.768	-0.064	-30.536	23.407	10.775	-50.608	65.150
815	2	-56.994	-1.919	-59.772	26.364	8.666	-67.580	68.123
816	1	-41.873	-5.131	-32.424	1.343	-5.082	-41.922	87.908
816	2	-58.910	-5.807	-62.447	7.746	-4.700	-60.017	81.867
817	1	-49.438	-0.677	-32.071	23.669	8.922	-59.038	67.924
817	2	-64.226	-2.251	-61.316	25.686	7.010	-73.488	70.172
818	1	-51.013	-5.705	-33.935	5.375	-5.076	-51.642	83.326
818	2	-65.672	-6.052	-63.983	11.593	-3.877	-67.847	79.374
819	1	-49.799	-1.765	-33.775	6.409	-0.924	-50.640	82.529
819	2	-65.168	-2.902	-64.982	12.059	-0.648	-67.422	79.413
820	1	-35.271	-3.597	-31.356	17.194	3.941	-42.810	66.323
820	2	-53.835	-4.912	-63.045	20.434	2.499	-61.248	70.063
821	1	-63.268	-3.914	-34.859	9.683	-2.374	-64.808	80.964
821	2	-75.982	-5.040	-64.304	15.430	-1.829	-79.193	78.244
822	1	-46.277	-5.067	-31.878	20.572	3.444	-54.788	67.523
822	2	-63.427	-6.488	-62.056	23.413	1.902	-71.818	70.283
823	1	-45.098	-1.372	-31.736	21.578	7.483	-53.953	67.687
823	2	-62.954	-3.546	-63.025	23.884	4.865	-71.366	70.599
824	1	-46.328	-6.385	-33.730	0.950	-6.363	-46.351	88.637
824	2	-64.049	-7.093	-65.597	8.297	-5.909	-65.233	81.878
825	1	-56.940	-2.430	-33.766	28.613	9.831	-69.202	66.803
825	2	-73.159	-4.684	-65.345	30.550	6.964	-84.808	69.128
826	1	-60.434	-7.053	-36.264	3.453	-6.831	-60.657	86.314
826	2	-76.030	-7.589	-68.301	9.919	-6.180	-77.439	81.917
827	1	-58.195	-2.536	-36.137	5.780	-1.942	-58.789	84.133
827	2	-74.364	-3.988	-69.144	11.898	-2.030	-76.321	80.658

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
828	1	-37.561	-4.373	-32.435	19.615	4.725	-46.660	65.115
828	2	-57.477	-5.849	-65.952	23.161	3.018	-66.345	69.049
829	1	-70.787	-2.550	-37.909	7.100	-1.819	-71.518	84.122
829	2	-84.178	-3.719	-70.915	12.648	-1.778	-86.119	81.273
830	1	-49.646	-4.526	-34.414	23.142	5.233	-59.405	67.134
830	2	-66.825	-5.684	-67.982	25.789	3.740	-76.250	69.924
831	1	-47.738	-0.096	-34.397	25.358	10.874	-58.709	66.604
831	2	-65.445	-2.163	-68.937	27.674	8.231	-75.840	69.413
832	1	-48.046	-5.239	-36.649	-0.411	-5.235	-48.050	90.550
832	2	-65.667	-5.338	-71.602	6.845	-4.571	-66.434	83.606
833	1	-60.295	-0.065	-35.981	26.725	10.082	-70.444	69.206
833	2	-74.491	-1.664	-70.323	27.273	7.417	-83.573	71.583
834	1	-60.349	-5.539	-38.337	3.893	-5.264	-60.625	85.957
834	2	-74.723	-5.221	-73.157	11.449	-3.384	-76.561	80.882
835	1	-59.089	-1.890	-39.129	5.513	-1.363	-59.615	84.544
835	2	-74.266	-3.285	-75.018	12.482	-1.154	-76.397	80.311
836	1	-41.814	-3.930	-36.334	19.408	4.247	-49.992	67.152
836	2	-62.758	-5.061	-73.128	21.725	2.203	-70.024	71.508
837	1	-66.674	-2.377	-39.665	8.636	-1.237	-67.814	82.481
837	2	-75.752	-3.701	-75.021	15.406	-0.545	-78.908	78.423
838	1	-53.137	-3.966	-37.681	19.778	3.002	-60.106	70.592
838	2	-70.139	-4.515	-74.208	20.026	1.113	-75.768	74.301
839	1	-51.907	-0.332	-38.521	21.391	7.384	-59.624	70.162
839	2	-69.709	-2.596	-76.128	21.054	3.462	-75.768	73.947
840	1	-51.672	-3.778	-40.804	4.677	-3.325	-52.124	84.474
840	2	-69.763	-2.977	-78.594	14.787	0.150	-72.890	78.057
841	1	-58.842	-0.647	-38.848	20.198	5.675	-65.165	72.617
841	2	-69.679	-2.642	-75.800	16.933	1.391	-73.714	76.598
842	1	-58.684	-3.605	-41.116	8.092	-2.441	-59.848	81.812
842	2	-70.225	-2.186	-78.250	18.395	2.468	-74.880	75.799
843	1	-58.449	-1.903	-42.953	8.790	-0.568	-59.784	81.364
843	2	-71.302	-3.603	-81.302	17.977	0.874	-75.780	76.013
844	1	-49.504	-3.550	-41.833	16.303	1.645	-54.701	72.321
844	2	-73.258	-4.344	-81.936	16.410	-0.636	-76.966	77.266
845	1	-60.497	-2.110	-42.152	11.436	0.049	-62.657	79.303
845	2	-63.223	-4.258	-79.536	20.149	1.969	-69.450	72.825
846	1	-56.038	-3.239	-41.934	15.324	0.885	-60.163	74.932

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
846	2	-72.569	-3.260	-81.281	12.283	-1.148	-74.582	80.241
847	1	-55.824	-1.553	-43.829	16.017	2.821	-60.199	74.724
847	2	-73.656	-4.692	-84.396	11.866	-2.708	-75.641	80.505
848	1	-55.401	-1.245	-45.637	9.746	0.455	-57.101	80.102
848	2	-74.133	1.378	-85.732	24.046	8.386	-81.140	73.753
849	1	-60.458	-2.393	-43.606	14.265	0.921	-63.773	76.915
849	2	-64.968	-5.201	-82.506	4.779	-4.821	-65.348	85.456
850	1	-60.872	-1.982	-45.366	15.076	1.653	-64.507	76.443
850	2	-68.761	2.166	-83.931	33.271	15.330	-81.926	68.413
851	1	-61.953	-2.058	-47.694	13.720	0.935	-64.946	77.692
851	2	-72.398	-4.159	-87.830	29.199	6.629	-83.187	69.721
852	1	-63.412	-3.504	-48.922	12.661	-0.938	-65.978	78.542
852	2	-95.665	-4.364	-92.916	8.616	-3.558	-96.471	84.655
853	1	-64.103	-3.165	-47.278	16.007	0.783	-68.052	76.142
853	2	-55.204	-5.939	-84.790	29.750	8.052	-69.196	64.812
854	1	-67.502	-3.913	-48.394	13.452	-1.184	-70.231	78.533
854	2	-88.084	-3.037	-90.632	4.297	-2.821	-88.300	87.114
855	1	-68.813	-4.056	-50.825	12.110	-1.865	-71.004	79.746
855	2	-92.309	-9.519	-94.718	0.109	-9.519	-92.309	89.924
856	1	-68.882	-1.997	-52.273	17.774	2.432	-73.312	76.005
856	2	-91.290	1.940	-93.916	42.578	18.459	-107.809	68.795
857	1	-65.194	-3.723	-48.976	10.781	-1.886	-67.030	80.334
857	2	-65.690	-8.984	-89.526	-7.921	-7.898	-66.776	97.805
858	1	-66.115	-1.208	-50.291	17.793	3.349	-70.672	75.632
858	2	-71.241	3.634	-89.520	41.027	21.738	-89.345	66.190
859	1	-67.352	-3.684	-53.133	17.270	0.698	-71.735	75.760
859	2	-75.599	-8.263	-93.782	37.686	8.603	-92.466	65.888
860	1	-72.769	-3.246	-54.629	12.588	-1.037	-74.979	80.046
860	2	-112.996	-3.715	-100.486	4.536	-3.527	-113.184	87.627
861	1	-61.495	-2.048	-50.110	14.376	1.246	-64.789	77.094
861	2	-47.095	-3.724	-87.428	27.286	9.443	-60.264	64.237
862	1	-69.427	-2.261	-52.244	7.414	-1.453	-70.236	83.774
862	2	-87.399	-0.625	-94.661	-8.983	0.294	-88.319	95.848
863	1	-70.671	-4.749	-55.137	6.896	-4.035	-71.385	84.091
863	2	-91.723	-12.519	-98.938	-12.298	-10.653	-93.589	98.626
864	1	-71.878	-0.907	-56.184	16.673	2.814	-75.600	77.416
864	2	-97.577	2.937	-97.669	38.838	16.195	-110.835	71.152

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
865	1	-65.981	-3.400	-52.384	6.520	-2.728	-66.653	84.115
865	2	-66.705	-8.893	-93.659	-13.250	-6.000	-69.598	102.313
866	1	-67.256	-0.683	-53.647	14.537	2.352	-70.292	78.203
866	2	-72.540	3.550	-92.844	30.364	14.181	-83.172	70.703
867	1	-68.170	-2.089	-56.140	14.158	0.816	-71.075	78.402
867	2	-75.324	-4.329	-94.892	27.920	5.335	-84.989	70.906
868	1	-74.026	-1.651	-57.751	8.930	-0.565	-75.112	83.068
868	2	-107.322	0.467	-100.270	-1.475	0.487	-107.343	90.784
869	1	-65.342	-1.654	-53.889	12.455	0.694	-67.692	79.319
869	2	-57.686	-3.005	-91.967	21.597	4.495	-65.187	70.847
870	1	-69.686	-1.495	-55.268	8.559	-0.437	-70.744	82.953
870	2	-83.764	0.659	-96.065	-2.822	0.753	-83.858	91.912
871	1	-70.614	-2.913	-57.815	8.182	-1.938	-71.589	83.205
871	2	-86.523	-7.211	-98.103	-5.248	-6.865	-86.869	93.770
872	1	-71.691	-1.155	-59.196	13.694	1.409	-74.256	79.389
872	2	-91.755	1.285	-97.308	28.688	9.420	-99.890	74.169
873	1	-68.127	-2.552	-55.595	8.216	-1.538	-69.141	82.965
873	2	-70.290	-6.274	-95.709	-4.849	-5.909	-70.655	94.307
874	1	-68.969	-0.996	-56.954	12.053	1.077	-71.043	80.236
874	2	-74.786	1.649	-94.791	22.519	7.790	-80.927	74.746
875	1	-69.600	-1.622	-59.265	11.933	0.411	-71.634	80.327
875	2	-76.259	-3.266	-95.156	21.114	2.401	-81.926	74.974
876	1	-72.396	-1.529	-60.361	9.427	-0.296	-73.629	82.551
876	2	-96.050	0.266	-98.110	2.111	0.312	-96.096	88.745
877	1	-68.569	-1.266	-57.250	10.693	0.391	-70.227	81.185
877	2	-65.750	-2.249	-94.282	16.690	1.870	-69.870	76.135
878	1	-70.124	-1.475	-58.198	9.371	-0.219	-71.380	82.364
878	2	-80.867	0.136	-96.275	1.955	0.183	-80.914	88.618
879	1	-70.768	-2.116	-60.568	9.251	-0.891	-71.993	82.458
879	2	-82.321	-4.769	-96.612	0.557	-4.765	-82.325	89.588
880	1	-71.366	-1.354	-62.082	11.084	0.358	-73.079	81.214
880	2	-85.912	-0.003	-95.688	20.372	4.583	-90.498	77.312
881	1	-70.111	-1.841	-58.580	9.505	-0.542	-71.410	82.219
881	2	-73.255	-4.146	-96.259	1.597	-4.109	-73.292	88.676
882	1	-70.387	-1.244	-60.071	9.845	0.129	-71.762	82.052
882	2	-75.924	0.171	-95.192	16.072	3.426	-79.179	78.550
883	1	-70.808	-1.185	-62.342	9.927	0.202	-72.196	82.041

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
883	2	-76.411	-2.314	-94.299	15.423	0.767	-79.493	78.699
884	1	-71.044	-1.481	-63.034	9.874	-0.106	-72.418	82.075
884	2	-86.590	-0.077	-95.382	5.187	0.232	-86.899	86.581
885	1	-71.320	-0.891	-60.442	9.033	0.248	-72.460	82.806
885	2	-71.748	-1.520	-95.142	12.461	0.625	-73.893	80.230
886	1	-70.546	-1.480	-61.088	10.024	-0.055	-71.972	81.906
886	2	-78.302	-0.370	-95.520	5.728	0.048	-78.721	85.818
887	1	-70.987	-1.438	-63.428	10.104	-0.000	-72.426	81.899
887	2	-78.769	-2.842	-94.578	5.087	-2.503	-79.109	86.183
888	1	-71.000	-1.531	-65.108	8.791	-0.436	-72.095	82.898
888	2	-80.504	-1.003	-93.549	13.708	1.294	-82.802	80.486
889	1	-71.871	-1.219	-61.534	10.553	0.323	-73.414	81.683
889	2	-75.482	-2.415	-95.890	6.521	-1.838	-76.059	84.939
890	1	-71.478	-1.196	-63.144	7.999	-0.297	-72.377	83.587
890	2	-76.153	-0.652	-94.648	11.003	0.918	-77.724	81.875
891	1	-71.887	-0.581	-65.562	7.911	0.286	-72.754	83.744
891	2	-76.057	-1.243	-92.916	10.539	0.213	-77.513	82.132
892	1	-69.808	-1.466	-65.975	10.246	0.036	-71.311	81.654
892	2	-78.677	-0.446	-92.594	7.663	0.297	-79.420	84.457
893	1	-74.176	-0.669	-63.776	8.034	0.198	-75.044	83.834
893	2	-76.524	-1.014	-95.277	9.528	0.169	-77.707	82.918
894	1	-72.262	-1.602	-64.387	10.305	-0.130	-73.734	81.869
894	2	-77.444	-0.908	-94.633	8.372	-0.003	-78.349	83.829
895	1	-72.691	-1.007	-66.888	10.212	0.419	-74.117	82.048
895	2	-77.325	-1.481	-92.836	7.912	-0.664	-78.141	84.107
896	1	-72.337	-1.412	-68.657	7.564	-0.614	-73.135	83.979
896	2	-77.538	-1.448	-91.779	9.352	-0.316	-78.671	83.094
897	1	-73.971	-0.814	-64.711	10.515	0.666	-75.452	81.980
897	2	-77.555	-1.211	-95.232	9.172	-0.124	-78.642	83.244
898	1	-73.402	-1.548	-66.642	6.970	-0.878	-74.072	84.509
898	2	-76.916	-1.642	-94.036	7.644	-0.874	-77.685	84.259
899	1	-73.646	-0.785	-69.348	7.549	-0.010	-74.420	84.146
899	2	-76.225	-1.121	-91.782	8.123	-0.252	-77.093	83.897
900	1	-71.421	-1.438	-69.696	10.098	-0.010	-72.849	81.951
900	2	-75.110	-0.756	-90.739	9.042	0.327	-76.194	83.164
901	1	-74.530	-0.375	-66.841	6.453	0.182	-75.088	85.063
901	2	-77.645	-0.458	-94.621	6.375	0.064	-78.168	85.310

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
902	1	-71.340	-1.269	-67.310	10.188	0.182	-72.792	81.893
902	2	-74.108	-0.888	-93.076	9.938	0.436	-75.433	82.405
903	1	-71.617	-0.534	-70.120	10.763	1.058	-73.211	81.576
903	2	-73.403	-0.350	-90.746	10.418	1.105	-74.860	82.040
904	1	-70.605	-1.375	-72.254	5.888	-0.878	-71.103	85.173
904	2	-71.776	-1.812	-89.580	5.378	-1.401	-72.187	85.629
905	1	-73.268	-0.290	-67.681	10.563	1.207	-74.766	81.927
905	2	-76.358	-0.095	-94.090	11.138	1.498	-77.952	81.858
906	1	-72.364	-0.373	-69.744	6.589	0.224	-72.962	84.813
906	2	-74.374	-0.872	-92.747	5.660	-0.438	-74.808	85.622
907	1	-73.015	1.475	-72.809	5.172	1.833	-73.372	86.047
907	2	-73.766	1.511	-90.141	4.271	1.753	-74.008	86.762
908	1	-69.343	-1.376	-73.514	9.711	-0.015	-70.703	82.026
908	2	-68.648	-1.004	-88.665	9.839	0.397	-70.050	81.889
909	1	-83.804	1.115	-67.810	6.497	1.609	-84.298	85.650
909	2	-87.689	1.270	-89.466	5.061	1.557	-87.976	86.754
910	1	-77.819	-3.278	-68.414	12.434	-1.258	-79.838	80.774
910	2	-78.582	-3.184	-88.031	13.498	-0.840	-80.925	80.150
911	1	-78.496	-1.606	-71.381	11.130	-0.027	-80.075	81.926
911	2	-78.044	-0.970	-85.560	12.216	0.919	-79.934	81.205
912	1	-75.081	-2.102	-72.749	2.312	-2.028	-75.154	88.186
912	2	-72.663	-2.923	-83.936	-0.315	-2.922	-72.664	90.259
913	1	-93.342	-1.474	-71.217	18.117	1.969	-96.786	79.237
913	2	-96.347	-0.691	-90.614	20.762	3.620	-100.659	78.266
914	1	-89.106	-3.203	-72.674	1.326	-3.182	-89.127	89.116
914	2	-90.245	-4.146	-89.036	-1.454	-4.122	-90.269	90.967
915	1	-88.613	0.723	-75.049	2.142	0.774	-88.665	88.627
915	2	-88.466	1.041	-86.552	-0.440	1.043	-88.468	90.282
916	1	-77.450	-2.917	-74.455	14.106	-0.336	-80.030	79.633
916	2	-73.125	-3.010	-83.907	15.484	0.257	-76.392	78.084
917	1	-99.926	1.077	-73.328	0.838	1.084	-99.933	89.524
917	2	-104.041	1.584	-90.323	-1.810	1.615	-104.072	90.981
918	1	-86.183	-2.657	-72.867	17.390	0.818	-89.659	78.696
918	2	-85.504	-2.862	-87.356	19.819	1.644	-90.011	77.187
919	1	-85.784	1.223	-75.382	18.141	4.854	-89.414	78.682
919	2	-83.796	2.316	-84.850	20.767	7.063	-88.543	77.125
920	1	-79.464	-3.124	-77.336	-1.776	-3.083	-79.506	91.332

000272

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
920	2	-74.788	-4.119	-83.845	-5.664	-3.668	-75.239	94.553
921	1	-96.295	1.913	-72.787	18.529	5.293	-99.675	79.663
921	2	-99.447	2.894	-88.375	22.070	7.451	-104.004	78.334
922	1	-90.005	-3.020	-74.933	-1.075	-3.007	-90.018	90.708
922	2	-90.121	-4.157	-87.501	-4.716	-3.899	-90.379	93.131
923	1	-89.726	1.266	-78.471	-0.311	1.267	-89.727	90.196
923	2	-88.430	1.790	-85.875	-3.723	1.944	-88.584	92.359
924	1	-76.456	-2.668	-78.070	15.975	0.641	-79.767	78.293
924	2	-69.895	-2.948	-82.889	18.278	1.717	-74.561	75.681
925	1	-99.936	1.162	-75.007	0.389	1.164	-99.937	89.779
925	2	-104.079	1.840	-88.793	-2.919	1.921	-104.159	91.577
926	1	-87.313	-2.547	-75.266	16.300	0.478	-90.340	79.481
926	2	-85.623	-3.017	-86.302	19.484	1.348	-89.988	77.372
927	1	-87.092	1.690	-78.989	17.055	4.854	-90.256	79.491
927	2	-83.946	2.929	-84.670	20.468	7.510	-88.527	77.385
928	1	-80.978	-2.771	-81.836	-1.657	-2.736	-81.013	91.213
928	2	-74.371	-3.862	-84.375	-6.297	-3.304	-74.929	95.064
929	1	-96.320	1.947	-74.696	16.947	4.788	-99.160	80.484
929	2	-99.410	3.112	-87.097	21.155	7.306	-103.604	78.787
930	1	-90.160	-2.305	-77.551	-0.954	-2.295	-90.171	90.622
930	2	-89.510	-3.507	-86.786	-5.096	-3.206	-89.811	93.380
931	1	-90.394	1.332	-82.740	-0.408	1.333	-90.396	90.255
931	2	-88.237	2.058	-86.560	-4.332	2.266	-88.445	92.740
932	1	-78.578	-2.550	-83.132	14.899	0.265	-81.394	79.299
932	2	-70.438	-3.032	-84.160	17.793	1.376	-74.847	76.084
933	1	-96.994	0.761	-76.490	1.397	0.781	-97.014	89.181
933	2	-100.898	1.467	-87.570	-2.365	1.522	-100.953	91.323
934	1	-88.506	-2.108	-78.212	13.624	-0.010	-90.604	81.247
934	2	-86.237	-2.741	-86.220	17.362	0.725	-89.704	78.709
935	1	-88.832	1.454	-83.686	14.132	3.614	-90.993	81.308
935	2	-85.012	2.803	-86.055	18.084	6.382	-88.590	78.807
936	1	-83.753	-2.125	-87.287	0.296	-2.124	-83.754	89.792
936	2	-75.514	-3.299	-86.460	-4.732	-2.990	-75.823	93.733
937	1	-93.831	1.358	-76.664	13.601	3.263	-95.736	82.026
937	2	-96.576	2.571	-86.368	18.211	5.810	-99.815	79.914
938	1	-90.196	-1.978	-81.062	0.612	-1.974	-90.200	89.602
938	2	-89.134	-3.263	-87.352	-3.745	-3.100	-89.297	92.493

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
939	1	-90.899	1.042	-88.033	1.194	1.057	-90.914	89.256
939	2	-88.257	1.776	-88.690	-2.908	1.870	-88.351	91.848
940	1	-82.261	-2.218	-89.247	12.333	-0.361	-84.119	81.436
940	2	-73.047	-2.935	-87.111	15.571	0.367	-76.350	78.025
941	1	-96.842	0.965	-80.265	0.660	0.969	-96.846	89.613
941	2	-100.468	1.769	-88.095	-3.159	1.867	-100.565	91.768
942	1	-88.430	-1.919	-82.536	12.748	-0.079	-90.270	81.789
942	2	-85.609	-2.541	-87.275	16.667	0.677	-88.828	79.067
943	1	-89.259	0.993	-89.918	13.283	2.907	-91.174	81.798
943	2	-84.806	2.453	-88.757	17.453	5.815	-88.167	79.098
944	1	-84.599	-1.835	-94.775	-0.316	-1.834	-84.600	90.219
944	2	-75.708	-2.888	-90.167	-5.296	-2.505	-76.092	94.138
945	1	-93.543	1.542	-80.678	12.436	3.142	-95.143	82.670
945	2	-96.208	2.798	-87.211	17.015	5.641	-99.050	80.515
946	1	-89.506	-1.596	-85.916	0.106	-1.596	-89.506	89.930
946	2	-87.865	-2.814	-88.979	-4.027	-2.624	-88.056	92.704
947	1	-90.783	1.041	-95.126	0.538	1.044	-90.786	89.664
947	2	-87.552	1.776	-92.325	-3.394	1.905	-87.680	92.173
948	1	-83.364	-2.126	-97.460	11.466	-0.539	-84.951	82.118
948	2	-74.056	-2.864	-91.692	14.892	0.125	-77.046	78.648
949	1	-94.063	0.886	-84.131	0.968	0.896	-94.073	89.415
949	2	-97.149	1.620	-89.118	-2.590	1.688	-97.217	91.501
950	1	-88.093	-1.673	-87.718	10.513	-0.412	-89.353	83.162
950	2	-85.125	-2.377	-89.538	14.411	0.060	-87.563	80.397
951	1	-89.521	0.809	-97.545	10.930	2.113	-90.825	83.197
951	2	-84.882	2.141	-93.167	15.027	4.663	-87.404	80.473
952	1	-86.082	-1.146	-103.993	0.193	-1.146	-86.083	89.869
952	2	-76.980	-2.109	-95.944	-4.264	-1.867	-77.222	93.249
953	1	-91.373	1.207	-85.214	9.904	2.255	-92.421	83.961
953	2	-93.521	2.387	-88.917	14.142	4.429	-95.563	81.784
954	1	-88.832	-1.088	-92.165	0.864	-1.080	-88.840	89.435
954	2	-86.799	-2.159	-92.182	-2.710	-2.073	-86.885	91.832
955	1	-90.856	0.802	-104.306	1.225	0.818	-90.873	89.234
955	2	-87.220	1.441	-98.117	-2.184	1.495	-87.274	91.410
956	1	-86.145	-1.945	-107.920	9.142	-0.964	-87.127	83.874
956	2	-77.025	-2.676	-98.727	12.500	-0.630	-79.070	80.707
957	1	-90.799	0.901	-89.562	1.220	0.918	-90.815	89.237

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
957	2	-92.959	1.425	-91.655	-1.671	1.455	-92.988	91.014
958	1	-87.300	-1.285	-94.688	8.064	-0.535	-88.049	84.690
958	2	-84.293	-1.922	-93.507	11.580	-0.325	-85.890	82.147
959	1	-89.555	0.367	-107.774	8.411	1.147	-90.335	84.701
959	2	-84.840	1.549	-99.955	12.091	3.209	-86.501	82.180
960	1	-87.219	0.028	-116.228	0.052	0.028	-87.219	89.965
960	2	-78.504	-0.877	-104.442	-3.272	-0.740	-78.642	92.410
961	1	-89.464	0.739	-91.700	7.062	1.289	-90.014	85.550
961	2	-90.386	1.781	-92.438	10.568	2.978	-91.583	83.542
962	1	-89.107	-0.493	-101.020	2.149	-0.441	-89.159	88.611
962	2	-86.293	-1.345	-97.751	-0.567	-1.341	-86.297	90.382
963	1	-92.125	0.408	-117.114	2.480	0.474	-92.192	88.465
963	2	-87.673	0.850	-107.006	-0.108	0.850	-87.673	90.070
964	1	-91.152	-2.013	-122.514	5.955	-1.617	-91.548	86.194
964	2	-82.128	-2.567	-109.274	9.047	-1.552	-83.144	83.593
965	1	-87.265	1.141	-97.535	1.785	1.177	-87.301	88.843
965	2	-87.858	1.271	-96.543	-0.054	1.271	-87.858	90.034
966	1	-86.782	-0.737	-104.558	5.025	-0.444	-87.074	86.669
966	2	-83.450	-1.239	-100.062	7.825	-0.501	-84.188	84.610
967	1	-90.191	-0.224	-122.215	5.351	0.092	-90.508	86.608
967	2	-85.066	0.721	-110.260	8.280	1.513	-85.858	84.537
968	1	-89.027	2.132	-133.693	-0.877	2.141	-89.035	90.551
968	2	-80.949	1.044	-117.226	-2.429	1.116	-81.021	91.696
969	1	-89.337	-0.170	-102.023	3.842	-0.005	-89.503	87.537
969	2	-87.699	0.744	-99.341	6.347	1.197	-88.152	85.916
970	1	-92.389	0.478	-115.011	4.590	0.704	-92.615	87.177
970	2	-87.658	-0.160	-107.660	2.715	-0.076	-87.742	88.224
971	1	-96.866	-0.085	-136.955	4.972	0.169	-97.121	87.066
971	2	-90.324	0.091	-121.411	3.210	0.205	-90.438	87.969
972	1	-101.393	-2.555	-144.760	1.270	-2.539	-101.410	89.263
972	2	-91.021	-2.665	-125.698	4.074	-2.478	-91.209	87.365
973	1	-82.183	4.307	-109.745	4.928	4.587	-82.463	86.749
973	2	-80.428	3.682	-105.374	4.003	3.872	-80.618	87.281
974	1	-87.684	0.373	-120.247	0.856	0.381	-87.692	89.443
974	2	-83.029	-0.010	-111.543	2.819	0.085	-83.124	88.057
975	1	-92.875	-0.900	-145.020	1.229	-0.884	-92.891	89.234
975	2	-86.151	-0.208	-127.082	3.306	-0.081	-86.278	87.799

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
976	1	-92.002	7.757	-161.054	-4.209	7.934	-92.180	92.411
976	2	-83.874	5.561	-137.577	-3.345	5.686	-83.999	92.139
977	1	-108.191	-6.274	-118.175	2.541	-6.211	-108.254	88.572
977	2	-100.611	-4.812	-109.995	4.527	-4.599	-100.824	87.300
978	1	-114.425	2.746	-134.796	12.765	4.120	-115.800	83.854
978	2	-103.866	1.663	-120.607	9.632	2.535	-104.738	84.827
979	1	-120.080	0.362	-157.491	9.299	1.076	-120.794	85.610
979	2	-107.551	0.480	-135.182	6.729	0.897	-107.969	86.449
980	1	-135.961	-7.830	-169.778	-5.948	-7.554	-136.237	92.652
980	2	-117.397	-6.562	-143.103	-2.405	-6.510	-117.449	91.242
981	1	-123.254	3.460	-133.499	1.751	3.484	-123.278	89.208
981	2	-114.097	2.781	-121.042	0.865	2.787	-114.104	89.575
982	1	-127.058	-1.924	-145.501	0.999	-1.916	-127.066	89.542
982	2	-114.690	-2.112	-128.644	3.468	-2.005	-114.797	88.236
983	1	-133.011	-5.008	-171.420	-2.543	-4.958	-133.062	91.138
983	2	-118.465	-3.721	-145.277	0.507	-3.718	-118.467	89.746
984	1	-129.877	11.130	-185.265	-9.056	11.709	-130.456	93.660
984	2	-114.387	7.553	-153.982	-6.992	7.953	-114.787	93.271
985	1	-150.004	-3.664	-142.382	-2.996	-3.603	-150.065	91.172
985	2	-132.492	-2.099	-127.060	-0.330	-2.098	-132.493	90.145
986	1	-163.442	2.345	-159.592	15.625	3.805	-164.902	84.662
986	2	-140.986	1.302	-138.386	11.173	2.174	-141.858	85.537
987	1	-171.237	-3.283	-193.262	17.304	-1.519	-173.002	84.178
987	2	-146.135	-2.543	-160.574	12.677	-1.432	-147.246	84.993
988	1	-195.082	-7.051	-210.976	-12.470	-6.227	-195.906	93.778
988	2	-162.071	-5.667	-172.408	-7.101	-5.345	-162.393	92.594
989	1	-136.166	-0.081	-138.033	10.763	0.764	-137.012	85.505
989	2	-121.880	0.413	-124.092	7.168	0.832	-122.299	86.657
990	1	-154.200	4.230	-159.405	-11.093	5.003	-154.973	93.986
990	2	-133.592	2.843	-138.073	-6.913	3.192	-133.941	92.893
991	1	-164.184	-3.558	-201.678	-9.424	-3.007	-164.735	93.346
991	2	-140.189	-2.425	-165.922	-5.415	-2.213	-140.402	92.247
992	1	-170.950	16.965	-227.211	-2.175	16.990	-170.975	90.663
992	2	-143.809	11.529	-182.745	-1.960	11.554	-143.834	90.723
993	1	-162.523	-6.197	-142.252	-17.411	-4.281	-164.438	96.279
993	2	-141.206	-4.131	-127.493	-11.215	-3.220	-142.117	94.646
994	1	-199.179	5.236	-168.658	36.917	11.699	-205.642	80.070

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
994	2	-165.656	3.480	-144.800	25.130	7.135	-169.311	81.725
995	1	-213.570	-8.288	-227.206	40.560	-0.565	-221.294	79.219
995	2	-175.227	-5.919	-183.345	28.052	-1.392	-179.753	80.833
996	1	-265.307	-9.208	-263.702	-29.676	-5.814	-268.701	96.524
996	2	-210.496	-6.864	-208.011	-19.834	-4.950	-212.410	95.512
997	1	-108.634	-8.124	-3.844	46.573	10.137	-126.896	68.588
997	2	-103.782	-5.340	-36.534	31.474	3.862	-112.984	73.701
998	1	-183.753	16.024	-130.156	-37.515	22.871	-190.601	100.317
998	2	-154.223	10.984	-118.723	-26.007	14.981	-158.221	98.738
999	1	-212.895	-12.244	-247.667	-33.973	-6.648	-218.491	99.354
999	2	-173.473	-8.090	-195.962	-23.087	-4.927	-176.635	97.799
1000	1	-298.500	19.719	-330.169	83.079	40.103	-318.884	76.214
1000	2	-230.845	13.596	-247.850	56.606	26.068	-243.317	77.574

****

5620 NORTHK65

****

MICAS REV 3.4 FINITE ELEMENT ANALYSIS

AXI-SYMETRIC 11/14/88 12:00:15

****
* SUPPORT REACTIONS *
****

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
1	1	0.000	1,504.047
1	2	0.000	1,504.046
4	1	0.000	9,386.558
4	2	0.000	9,386.568
7	1	0.000	17,007.124
7	2	0.000	17,007.106
10	1	0.000	24,569.410
10	2	0.000	24,569.418
13	1	0.000	32,121.209
13	2	0.000	32,121.209
16	1	0.000	39,673.474
16	2	0.000	39,673.474
19	1	0.000	47,237.920
19	2	0.000	47,237.920
22	1	0.000	54,777.184
22	2	0.000	54,777.184
25	1	0.000	62,343.639
25	2	0.000	62,343.639
28	1	0.000	69,879.855
28	2	0.000	69,879.855
31	1	0.000	77,461.862
31	2	0.000	77,461.862
34	1	0.000	85,005.594
34	2	0.000	85,005.594
37	1	0.000	92,580.862

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
37	2	0.000	92,580.862
40	1	0.000	100,109.221
40	2	0.000	100,109.222
43	1	0.000	107,702.413
43	2	0.000	107,702.413
46	1	0.000	115,251.998
46	2	0.000	115,251.997
49	1	0.000	122,770.169
49	2	0.000	122,770.169
52	1	0.000	130,333.033
52	2	0.000	130,333.034
55	1	0.000	137,940.436
55	2	0.000	137,940.436
58	1	0.000	145,391.147
58	2	0.000	145,391.147
61	1	0.000	153,026.631
61	2	0.000	153,026.632
64	1	0.000	160,563.260
64	2	0.000	160,563.260
67	1	0.000	168,188.736
67	2	0.000	168,188.736
70	1	0.000	175,647.962
70	2	0.000	175,647.963
73	1	0.000	183,262.176
73	2	0.000	183,262.175
76	1	0.000	190,799.178
76	2	0.000	190,799.178
79	1	0.000	198,353.326
79	2	0.000	198,353.327
82	1	0.000	205,869.021
82	2	0.000	205,869.020
85	1	0.000	213,506.647
85	2	0.000	213,506.647
88	1	0.000	220,957.935
88	2	0.000	220,957.936
91	1	0.000	228,568.550

5620

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
91	2	0.000	228,568.549
94	1	0.000	236,108.219
94	2	0.000	236,108.219
97	1	0.000	243,742.349
97	2	0.000	243,742.350
100	1	0.000	251,171.725
100	2	0.000	251,171.725
103	1	0.000	258,815.790
103	2	0.000	258,815.790
106	1	0.000	266,360.827
106	2	0.000	266,360.828
109	1	0.000	273,989.831
109	2	0.000	273,989.831
112	1	0.000	281,542.215
112	2	0.000	281,542.215
115	1	0.000	289,852.529
115	2	0.000	289,852.530
118	1	0.000	296,610.044
118	2	0.000	296,610.044
121	1	0.000	304,175.825
121	2	0.000	304,175.823
124	1	0.000	311,669.854
124	2	0.000	311,669.835
127	1	0.000	319,409.715
127	2	0.000	319,409.763
130	1	0.000	327,374.102
130	2	0.000	327,375.221
133	1	0.000	329,480.748
133	2	0.000	329,484.675
136	1	0.000	291,989.831
136	2	0.000	291,957.979
139	1	0.000	277,289.615
139	2	0.000	276,176.246
140	1	0.000	307,258.539
140	2	0.000	308,412.305
145	1	0.000	587,935.987

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
145	2	0.000	587,916.089
148	1	0.000	330,410.858
148	2	0.000	330,416.483
151	1	0.000	373,575.213
151	2	0.000	373,575.875
154	1	0.000	387,176.375
154	2	0.000	387,176.042
157	1	0.000	384,998.703
157	2	0.000	385,002.506
160	1	0.000	390,446.522
160	2	0.000	390,474.867
163	1	0.000	340,164.527
163	2	0.000	340,323.583
166	1	0.000	299,629.377
166	2	0.000	299,681.595
170	1	0.000	324,801.284
170	2	0.000	324,646.854
175	1	0.000	342,628.677
175	2	0.000	342,031.737
181	1	0.000	329,315.839
181	2	0.000	328,379.653
188	1	0.000	367,393.417
188	2	0.000	366,419.399
195	1	0.000	367,638.579
195	2	0.000	369,360.816
202	1	0.000	387,717.698
202	2	0.000	396,421.989
209	1	0.000	342,475.079
209	2	0.000	361,630.560
216	1	0.000	213,452.413
216	2	0.000	228,867.527
223	1	0.000	174,024.177
223	2	0.000	189,356.227
230	1	0.000	125,741.203
230	2	0.000	138,365.456
237	1	0.000	212,672.065

5620

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
237	2	0.000	237,457.511
244	1	0.000	45,673.701
244	2	0.000	56,388.773
251	1	0.000	-63,878.362
251	2	0.000	-66,232.762

* UNITS DEFINITION *

UNIT GROUP	UNIT
LENGTHS	FEET
ELEMENT PROPERTIES	INCHES
FORCES	LBS
ANGLES	DEGREES
DISPLACEMENTS	INCHES
DYNAMIC PROPERTIES	FORCE

* LOAD COMBINATION INFORMATION *

COMB	A	B	C	D	E	F
1	1.000	0.000	1.000	1.000	1.000	1.000
2	1.000	1.000	1.000	1.000	1.000	1.000

NUMBER OF LOAD CASES = 6

* MATERIAL SPECIFICATIONS *

MAT'L NBR	YOUNG'S MODULUS (LONG)	POISSON'S RATIO (LONG)	SHEAR MODULUS (LONG)	YOUNGS MODULUS (TRANS)	POISSON'S RATIO (TRANS)	SHEAR MODULUS (TRANS)	THERMAL COEFFICIENT
1	2.85E+06	2.00E-01	1.18E+06	2.85E+06	2.00E-01	1.18E+06	0.00E+00
2	3.12E+06	2.00E-01	1.30E+06	3.12E+06	2.00E-01	1.30E+06	0.00E+00
3	3.37E+06	2.00E-01	1.40E+06	3.37E+06	2.00E-01	1.40E+06	0.00E+00
4	3.60E+06	2.00E-01	1.50E+06	3.60E+06	2.00E-01	1.50E+06	0.00E+00
5	3.82E+06	2.00E-01	1.59E+06	3.82E+06	2.00E-01	1.59E+06	0.00E+00

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
1	0.0000	0.6667	S/X
2	0.0000	0.8333	
3	0.0000	1.0000	
4	0.8333	0.6667	S/X
5	0.8333	0.8333	
6	0.8333	1.0000	
7	1.5000	0.6667	S/X
8	1.5000	0.8333	
9	1.5000	1.0000	
10	2.1667	0.6667	S/X
11	2.1667	0.8333	
12	2.1667	1.0000	
13	2.8334	0.6667	S/X
14	2.8334	0.8333	
15	2.8334	1.0000	
16	3.5001	0.6667	S/X
17	3.5001	0.8333	
18	3.5001	1.0000	
19	4.1668	0.6667	S/X
20	4.1668	0.8333	
21	4.1668	1.0000	
22	4.8335	0.6667	S/X
23	4.8335	0.8333	
24	4.8335	1.0000	
25	5.5002	0.6667	S/X

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
26	5.5002	0.8333	
27	5.5002	1.0000	
28	6.1669	0.6667	S/X
29	6.1669	0.8333	
30	6.1669	1.0000	
31	6.8336	0.6667	S/X
32	6.8336	0.8333	
33	6.8336	1.0000	
34	7.5003	0.6667	S/X
35	7.5003	0.8333	
36	7.5003	1.0000	
37	8.1670	0.6667	S/X
38	8.1670	0.8333	
39	8.1670	1.0000	
40	8.8337	0.6667	S/X
41	8.8337	0.8333	
42	8.8337	1.0000	
43	9.5004	0.6667	S/X
44	9.5004	0.8333	
45	9.5004	1.0000	
46	10.1670	0.6667	S/X
47	10.1670	0.8333	
48	10.1670	1.0000	
49	10.8330	0.6667	S/X
50	10.8330	0.8333	
51	10.8330	1.0000	
52	11.5000	0.6667	S/X
53	11.5000	0.8333	
54	11.5000	1.0000	
55	12.1670	0.6667	S/X
56	12.1670	0.8333	
57	12.1670	1.0000	
58	12.8330	0.6667	S/X
59	12.8330	0.8333	
60	12.8330	1.0000	
61	13.5000	0.6667	S/X
62	13.5000	0.8333	
63	13.5000	1.0000	
64	14.1670	0.6667	S/X
65	14.1670	0.8333	
66	14.1670	1.0000	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
67	14.8330	0.6667	S/X
68	14.8330	0.8333	
69	14.8330	1.0000	
70	15.5000	0.6667	S/X
71	15.5000	0.8333	
72	15.5000	1.0000	
73	16.1670	0.6667	S/X
74	16.1670	0.8333	
75	16.1670	1.0000	
76	16.8330	0.6667	S/X
77	16.8330	0.8333	
78	16.8330	1.0000	
79	17.5000	0.6667	S/X
80	17.5000	0.8333	
81	17.5000	1.0000	
82	18.1670	0.6667	S/X
83	18.1670	0.8333	
84	18.1670	1.0000	
85	18.8330	0.6667	S/X
86	18.8330	0.8333	
87	18.8330	1.0000	
88	19.5000	0.6667	S/X
89	19.5000	0.8333	
90	19.5000	1.0000	
91	20.1670	0.6667	S/X
92	20.1670	0.8333	
93	20.1670	1.0000	
94	20.8330	0.6667	S/X
95	20.8330	0.8333	
96	20.8330	1.0000	
97	21.5000	0.6667	S/X
98	21.5000	0.8333	
99	21.5000	1.0000	
100	22.1670	0.6667	S/X
101	22.1670	0.8333	
102	22.1670	1.0000	
103	22.8330	0.6667	S/X
104	22.8330	0.8333	
105	22.8330	1.0000	
106	23.5000	0.6667	S/X
107	23.5000	0.8333	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
108	23.5000	1.0000	
109	24.1670	0.6667	S/X
110	24.1670	0.8333	
111	24.1670	1.0000	
112	24.8330	0.6667	S/X
113	24.8330	0.8333	
114	24.8330	1.0000	
115	25.5000	0.6667	S/X
116	25.5000	0.8333	
117	25.5000	1.0000	
118	26.1670	0.6667	S/X
119	26.1670	0.8333	
120	26.1670	1.0000	
121	26.8330	0.6667	S/X
122	26.8330	0.8333	
123	26.8330	1.0000	
124	27.5000	0.6667	S/X
125	27.5000	0.8333	
126	27.5000	1.0000	
127	28.1670	0.6667	S/X
128	28.1670	0.8333	
129	28.1670	1.0000	
130	28.8330	0.6667	S/X
131	28.8330	0.8333	
132	28.8330	1.0000	
133	29.5000	0.6667	S/X
134	29.5000	0.8333	
135	29.5000	1.0000	
136	30.1670	0.6667	S/X
137	30.1670	0.8333	
138	30.1670	1.0000	
139	30.8330	0.6667	S/X
140	30.8330	0.8333	
141	30.8330	1.0000	
142	31.5000	0.6667	S/X
143	31.5000	0.8333	
144	31.5000	1.0000	
145	32.1670	0.6667	S/X
146	32.1670	0.8333	
147	32.1670	1.0000	
148	32.8330	0.6667	S/X

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
149	32.8330	0.8333	
150	32.8330	1.0000	
151	33.5000	0.6667	S/X
152	33.5000	0.8333	
153	33.5000	1.0000	
154	34.1670	0.6667	S/X
155	34.1670	0.8333	
156	34.1670	1.0000	
157	34.8330	0.6667	S/X
158	34.8330	0.8333	
159	34.8330	1.0000	
160	35.5000	0.6667	S/X
161	35.5000	0.8333	
162	35.5000	1.0000	
163	36.1670	0.6667	S/X
164	36.1670	0.8333	
165	36.1670	1.0000	
166	36.6660	0.5000	S/X
167	36.6660	0.6667	
168	36.6660	0.8333	
169	36.6660	1.0000	
170	37.1660	0.3333	S/X
171	37.1660	0.5000	
172	37.1660	0.6667	
173	37.1660	0.8333	
174	37.1660	1.0000	
175	37.6660	0.1667	S/X
176	37.6660	0.3333	
177	37.6660	0.5000	
178	37.6660	0.6667	
179	37.6660	0.8333	
180	37.6660	1.0000	
181	38.1660	0.0000	S/X
182	38.1660	0.1667	
183	38.1660	0.3333	
184	38.1660	0.5000	
185	38.1660	0.6667	
186	38.1660	0.8333	
187	38.1660	1.0000	
188	38.6660	0.0000	S/X
189	38.6660	0.1667	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
190	38.6660	0.3333	
191	38.6660	0.5000	
192	38.6660	0.6667	
193	38.6660	0.8333	
194	38.6660	1.0000	
195	39.1660	0.0000	S/X
196	39.1660	0.1667	
197	39.1660	0.3333	
198	39.1660	0.5000	
199	39.1660	0.6667	
200	39.1660	0.8333	
201	39.1660	1.0000	
202	39.5820	0.0000	S/X
203	39.5820	0.1667	
204	39.5820	0.3333	
205	39.5820	0.5000	
206	39.5820	0.6667	
207	39.5820	0.8333	
208	39.5820	1.0000	
209	40.0000	0.0000	S/X
210	40.0000	0.1667	
211	40.0000	0.3333	
212	40.0000	0.5000	
213	40.0000	0.6667	
214	40.0000	0.8333	
215	40.0000	1.0000	
216	40.1870	0.0000	S/X
217	40.1870	0.1667	
218	40.1870	0.3333	
219	40.1870	0.5000	
220	40.1870	0.6667	
221	40.1870	0.8333	
222	40.1870	1.0000	
223	40.3750	0.0000	S/X
224	40.3750	0.1667	
225	40.3750	0.3333	
226	40.3750	0.5000	
227	40.3750	0.6667	
228	40.3750	0.8333	
229	40.3750	1.0000	
230	40.5200	0.0000	S/X

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
231	40.5200	0.1667	
232	40.5200	0.3333	
233	40.5200	0.5000	
234	40.5200	0.6667	
235	40.5200	0.8333	
236	40.5200	1.0000	
237	40.6660	0.0000	S/X
238	40.6660	0.1667	
239	40.6660	0.3333	
240	40.6660	0.5000	
241	40.6660	0.6667	
242	40.6660	0.8333	
243	40.6660	1.0000	
244	41.1660	0.0000	S/X
245	41.1660	0.1667	
246	41.1660	0.3333	
247	41.1660	0.5000	
248	41.1660	0.6667	
249	41.1660	0.8333	
250	41.1660	1.0000	
251	41.6660	0.0000	S/X
252	41.6660	0.1667	
253	41.6660	0.3333	
254	41.6660	0.5000	
255	41.6660	0.6667	
256	41.6660	0.8333	
257	41.6660	1.0000	
258	40.0830	1.0001	
259	40.2290	1.0001	
260	40.5200	1.0001	
261	40.6660	1.0001	
262	40.0830	1.6667	
263	40.2290	1.6667	
264	40.3750	1.6667	
265	40.5200	1.6667	
266	40.6660	1.6667	
267	40.0830	2.3334	
268	40.2290	2.3334	
269	40.3750	2.3334	
270	40.5200	2.3334	
271	40.6660	2.3334	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
272	40.0830	3.0001	
273	40.2290	3.0001	
274	40.3750	3.0001	
275	40.5200	3.0001	
276	40.6660	3.0001	
277	40.0410	3.6668	
278	40.1970	3.6668	
279	40.3530	3.6668	
280	40.5100	3.6668	
281	40.6660	3.6668	
282	40.0410	4.3335	
283	40.1970	4.3335	
284	40.3530	4.3335	
285	40.5100	4.3335	
286	40.6660	4.3335	
287	40.0410	5.0002	
288	40.1970	5.0002	
289	40.3530	5.0002	
290	40.5100	5.0002	
291	40.6660	5.0002	
292	40.0410	5.6669	
293	40.1970	5.6669	
294	40.3530	5.6669	
295	40.5100	5.6669	
296	40.6660	5.6669	
297	40.0410	6.3336	
298	40.1970	6.3336	
299	40.3530	6.3336	
300	40.5100	6.3336	
301	40.6660	6.3336	
302	40.0410	7.0003	
303	40.1970	7.0003	
304	40.3530	7.0003	
305	40.5100	7.0003	
306	40.6660	7.0003	
307	40.0410	7.6670	
308	40.1970	7.6670	
309	40.3530	7.6670	
310	40.5100	7.6670	
311	40.6660	7.6670	
312	40.0410	8.3337	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
313	40.1970	8.3337	
314	40.3530	8.3337	
315	40.5100	8.3337	
316	40.6660	8.3337	
317	40.0410	9.0004	
318	40.1970	9.0004	
319	40.3530	9.0004	
320	40.5100	9.0004	
321	40.6660	9.0004	
322	40.0410	9.6671	
323	40.1970	9.6671	
324	40.3530	9.6671	
325	40.5100	9.6671	
326	40.6660	9.6671	
327	40.0410	10.3330	
328	40.1970	10.3330	
329	40.3530	10.3330	
330	40.5100	10.3330	
331	40.6660	10.3330	
332	40.0410	11.0000	
333	40.1970	11.0000	
334	40.3530	11.0000	
335	40.5100	11.0000	
336	40.6660	11.0000	
337	40.0410	11.6670	
338	40.1970	11.6670	
339	40.3530	11.6670	
340	40.5100	11.6670	
341	40.6660	11.6670	
342	40.0410	12.3330	
343	40.1970	12.3330	
344	40.3530	12.3330	
345	40.5100	12.3330	
346	40.6660	12.3330	
347	40.0410	13.0000	
348	40.1970	13.0000	
349	40.3530	13.0000	
350	40.5100	13.0000	
351	40.6660	13.0000	
352	40.0410	13.6670	
353	40.1970	13.6670	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
354	40.3530	13.6670	
355	40.5100	13.6670	
356	40.6660	13.6670	
357	40.0410	14.3340	
358	40.1970	14.3340	
359	40.3530	14.3340	
360	40.5100	14.3340	
361	40.6660	14.3340	
362	40.0410	15.0000	
363	40.1970	15.0000	
364	40.3530	15.0000	
365	40.5100	15.0000	
366	40.6660	15.0000	
367	40.0410	15.6670	
368	40.1970	15.6670	
369	40.3530	15.6670	
370	40.5100	15.6670	
371	40.6660	15.6670	
372	40.0410	16.3340	
373	40.1970	16.3340	
374	40.3530	16.3340	
375	40.5100	16.3340	
376	40.6660	16.3340	
377	40.0410	17.0000	
378	40.1970	17.0000	
379	40.3530	17.0000	
380	40.5100	17.0000	
381	40.6660	17.0000	
382	40.0410	17.6670	
383	40.1970	17.6670	
384	40.3530	17.6670	
385	40.5100	17.6670	
386	40.6660	17.6670	
387	40.0410	18.3340	
388	40.1970	18.3340	
389	40.3530	18.3340	
390	40.5100	18.3340	
391	40.6660	18.3340	
392	40.0410	19.0000	
393	40.1970	19.0000	
394	40.3530	19.0000	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
395	40.5100	19.0000	
396	40.6660	19.0000	
397	40.0410	19.6670	
398	40.1970	19.6670	
399	40.3530	19.6670	
400	40.5100	19.6670	
401	40.6660	19.6670	
402	40.0410	20.3340	
403	40.1970	20.3340	
404	40.3530	20.3340	
405	40.5100	20.3340	
406	40.6660	20.3340	
407	40.0410	21.0000	
408	40.1970	21.0000	
409	40.3530	21.0000	
410	40.5100	21.0000	
411	40.6660	21.0000	
412	40.0410	21.6670	
413	40.1970	21.6670	
414	40.3530	21.6670	
415	40.5100	21.6670	
416	40.6660	21.6670	
417	40.0410	22.3340	
418	40.1970	22.3340	
419	40.3530	22.3340	
420	40.5100	22.3340	
421	40.6660	22.3340	
422	40.0000	23.0000	
423	40.1660	23.0000	
424	40.3330	23.0000	
425	40.5000	23.0000	
426	40.6660	23.0000	
427	40.0000	23.6670	
428	40.1660	23.6670	
429	40.3330	23.6670	
430	40.5000	23.6670	
431	40.6660	23.6670	
432	40.0000	24.3340	
433	40.1660	24.3340	
434	40.3330	24.3340	
435	40.5000	24.3340	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
436	40.6660	24.3340	
437	40.0000	25.0000	
438	40.1660	25.0000	
439	40.3330	25.0000	
440	40.5000	25.0000	
441	40.6660	25.0000	
442	40.0000	25.6660	
443	40.1660	25.6660	
444	40.3330	25.6660	
445	40.5000	25.6660	
446	40.6660	25.6660	
447	40.0000	26.3320	
448	40.1660	26.3320	
449	40.3330	26.3320	
450	40.5000	26.3320	
451	40.6660	26.3320	
452	40.0000	27.0000	
453	40.1660	27.0000	
454	40.3330	27.0000	
455	40.5000	27.0000	
456	40.6660	27.0000	
457	40.0000	27.3330	
458	40.1660	27.3330	
459	40.3330	27.3330	
460	40.5000	27.3330	
461	40.6660	27.3330	
462	40.0000	27.6660	
463	40.1660	27.6660	
464	40.3330	27.6660	
465	40.5000	27.6660	
466	40.6660	27.6660	
467	39.5000	27.2640	
468	39.5000	27.5550	
469	39.5000	27.8470	
470	39.0000	27.5240	
471	39.0000	27.7740	
472	39.0000	28.0240	
473	38.5000	27.7800	
474	38.5000	28.0090	
475	38.5000	28.2380	
476	38.0000	28.0310	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
477	38.0000	28.2390	
478	38.0000	28.4480	
479	37.5000	28.2380	
480	37.5000	28.4460	
481	37.5000	28.6550	
482	37.0000	28.4400	
483	37.0000	28.6480	
484	37.0000	28.8570	
485	36.5000	28.6800	
486	36.5000	28.8880	
487	36.5000	29.0970	
488	36.0000	28.9160	
489	36.0000	29.1240	
490	36.0000	29.3330	
491	35.3330	29.2240	
492	35.3330	29.4320	
493	35.3330	29.6410	
494	34.6660	29.5250	
495	34.6660	29.7330	
496	34.6660	29.9420	
497	34.0000	29.8190	
498	34.0000	30.0270	
499	34.0000	30.2360	
500	33.3330	30.1070	
501	33.3330	30.3150	
502	33.3330	30.5240	
503	32.6660	30.3880	
504	32.6660	30.5960	
505	32.6660	30.8050	
506	32.0000	30.6620	
507	32.0000	30.8700	
508	32.0000	31.0790	
509	31.3330	30.9720	
510	31.3330	31.1590	
511	31.3330	31.3470	
512	30.6660	31.2330	
513	30.6660	31.4200	
514	30.6660	31.6080	
515	30.0000	31.4870	
516	30.0000	31.6740	
517	30.0000	31.8620	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
518	29.3330	31.7360	
519	29.3330	31.9230	
520	29.3330	32.1110	
521	28.6660	31.9780	
522	28.6660	32.1650	
523	28.6660	32.3530	
524	28.0000	32.2550	
525	28.0000	32.4220	
526	28.0000	32.5880	
527	27.3330	32.5260	
528	27.3330	32.6720	
529	27.3330	32.8180	
530	26.6660	32.7490	
531	26.6660	32.8950	
532	26.6660	33.0410	
533	26.0000	32.9660	
534	26.0000	33.1120	
535	26.0000	33.2580	
536	25.3330	33.1780	
537	25.3330	33.3240	
538	25.3330	33.4700	
539	24.6660	33.3830	
540	24.6660	33.5290	
541	24.6660	33.6750	
542	24.0000	33.5820	
543	24.0000	33.7280	
544	24.0000	33.8740	
545	23.3330	33.7750	
546	23.3330	33.9210	
547	23.3330	34.0670	
548	22.6660	33.9630	
549	22.6660	34.1090	
550	22.6660	34.2550	
551	22.0000	34.1440	
552	22.0000	34.2900	
553	22.0000	34.4360	
554	21.3330	34.3200	
555	21.3330	34.4660	
556	21.3330	34.6120	
557	20.6660	34.4900	
558	20.6660	34.6360	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
559	20.6660	34.7820	
560	20.0840	34.6340	
561	20.0840	34.7800	
562	20.0840	34.9260	
563	19.5000	34.8000	
564	19.5000	34.9540	
565	19.5000	35.1000	
566	18.9170	34.9430	
567	18.9170	35.0890	
568	18.9170	35.2340	
569	18.3340	35.0730	
570	18.3340	35.2180	
571	18.3340	35.3640	
572	17.7500	35.1980	
573	17.7500	35.3440	
574	17.7500	35.4900	
575	17.1670	35.3200	
576	17.1670	35.4650	
577	17.1670	35.6110	
578	16.5840	35.4370	
579	16.5840	35.5830	
580	16.5840	35.7280	
581	16.0840	35.5470	
582	16.0840	35.6720	
583	16.0840	35.7970	
584	15.5840	35.6650	
585	15.5840	35.7900	
586	15.5840	35.9150	
587	15.0840	35.7560	
588	15.0840	35.8810	
589	15.0840	36.0060	
590	14.5840	35.8440	
591	14.5840	35.9690	
592	14.5840	36.0940	
593	14.0840	35.9290	
594	14.0840	36.0540	
595	14.0840	36.1790	
596	13.5840	36.0110	
597	13.5840	36.1360	
598	13.5840	36.2610	
599	13.0840	36.0890	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
600	13.0840	36.2140	
601	13.0840	36.3390	
602	12.5840	36.1650	
603	12.5840	36.2900	
604	12.5840	36.4150	
605	12.0840	36.2370	
606	12.0840	36.3630	
607	12.0840	36.4870	
608	11.5840	36.3070	
609	11.5840	36.4320	
610	11.5840	36.5570	
611	11.0840	36.3740	
612	11.0840	36.4990	
613	11.0840	36.6240	
614	10.5840	36.4370	
615	10.5840	36.5620	
616	10.5840	36.6780	
617	10.0840	36.4980	
618	10.0840	36.6230	
619	10.0840	36.7480	
620	9.5840	36.5550	
621	9.5840	36.6800	
622	9.5840	36.8050	
623	9.0840	36.6100	
624	9.0840	36.7350	
625	9.0840	36.8600	
626	8.6670	36.6400	
627	8.6670	36.7650	
628	8.6670	36.8900	
629	8.2510	36.6940	
630	8.2510	36.8190	
631	8.2510	36.9440	
632	7.8340	36.7330	
633	7.8340	36.8580	
634	7.8340	36.9830	
635	7.4170	36.7700	
636	7.4170	36.8950	
637	7.4170	37.0200	
638	7.0000	36.8050	
639	7.0000	36.9300	
640	7.0000	37.0550	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
641	6.5840	36.8370	
642	6.5840	36.9620	
643	6.5840	37.0870	
644	6.1670	36.8610	
645	6.1670	36.9860	
646	6.1670	37.1110	
647	5.7510	36.9390	
648	5.7510	37.0430	
649	5.7510	37.1470	
650	5.3340	36.9650	
651	5.3340	37.0690	
652	5.3340	37.1730	
653	4.9170	36.9900	
654	4.9170	37.0940	
655	4.9170	37.1980	
656	4.5000	37.0120	
657	4.5000	37.1160	
658	4.5000	37.2200	
659	4.0840	37.0330	
660	4.0840	37.1370	
661	4.0840	37.2410	
662	3.6670	37.0510	
663	3.6670	37.1550	
664	3.6670	37.2590	
665	3.2510	37.0670	
666	3.2510	37.1710	
667	3.2510	37.2750	
668	2.8340	37.0820	
669	2.8340	37.1860	
670	2.8340	37.2900	
671	2.4170	37.0940	
672	2.4170	37.1980	
673	2.4170	37.3020	
674	2.0000	37.1040	
675	2.0000	37.2080	
676	2.0000	37.3120	
677	1.6670	37.1090	
678	1.6670	37.2130	
679	1.6670	37.3170	
680	1.3330	37.1140	
681	1.3330	37.2180	

* NODAL COORDINATES *

NODE	X COORD	Y COORD	COMMENT
682	1.3330	37.3220	
683	1.0000	37.1200	
684	1.0000	37.2240	
685	1.0000	37.3280	
686	0.6670	37.1230	
687	0.6670	37.2270	
688	0.6670	37.3310	
689	0.3330	37.1250	
690	0.3330	37.2290	
691	0.3330	37.3330	
692	0.0000	37.1250	
693	0.0000	37.2290	
694	0.0000	37.3330	

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
1	1/ 4/ 5	2	0.069413	0.000
2	1/ 5/ 2	2	0.069413	0.000
3	2/ 5/ 3	2	0.069455	0.000
4	3/ 5/ 6	2	0.069455	0.000
5	4/ 7/ 5	2	0.055536	0.000
6	7/ 8/ 5	2	0.055536	0.000
7	5/ 8/ 9	2	0.055569	0.000
8	5/ 9/ 6	2	0.055569	0.000
9	7/ 10/ 11	2	0.055536	0.000
10	7/ 11/ 8	2	0.055536	0.000
11	8/ 11/ 9	2	0.055569	0.000
12	9/ 11/ 12	2	0.055569	0.000
13	10/ 13/ 11	2	0.055536	0.000
14	13/ 14/ 11	2	0.055536	0.000
15	11/ 14/ 15	2	0.055569	0.000
16	11/ 15/ 12	2	0.055569	0.000
17	13/ 16/ 17	2	0.055536	0.000
18	13/ 17/ 14	2	0.055536	0.000
19	14/ 17/ 15	2	0.055569	0.000
20	15/ 17/ 18	2	0.055569	0.000
21	16/ 19/ 17	2	0.055536	0.000
22	19/ 20/ 17	2	0.055536	0.000
23	17/ 20/ 21	2	0.055569	0.000
24	17/ 21/ 18	2	0.055569	0.000
25	19/ 22/ 23	2	0.055536	0.000
26	19/ 23/ 20	2	0.055536	0.000
27	20/ 23/ 21	2	0.055569	0.000
28	21/ 23/ 24	2	0.055569	0.000
29	22/ 25/ 23	2	0.055536	0.000
30	25/ 26/ 23	2	0.055536	0.000
31	23/ 26/ 27	2	0.055569	0.000
32	23/ 27/ 24	2	0.055569	0.000
33	25/ 28/ 29	2	0.055536	0.000
34	25/ 29/ 26	2	0.055536	0.000
35	26/ 29/ 27	2	0.055569	0.000
36	27/ 29/ 30	2	0.055569	0.000
37	28/ 31/ 29	2	0.055536	0.000
38	31/ 32/ 29	2	0.055536	0.000
39	29/ 32/ 33	2	0.055569	0.000
40	29/ 33/ 30	2	0.055569	0.000
41	31/ 34/ 35	2	0.055536	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
42	31/ 35/ 32	2	0.055536	0.000
43	32/ 35/ 33	2	0.055569	0.000
44	33/ 35/ 36	2	0.055569	0.000
45	34/ 37/ 35	2	0.055536	0.000
46	37/ 38/ 35	2	0.055536	0.000
47	35/ 38/ 39	2	0.055569	0.000
48	35/ 39/ 36	2	0.055569	0.000
49	37/ 40/ 41	2	0.055536	0.000
50	37/ 41/ 38	2	0.055536	0.000
51	38/ 41/ 39	2	0.055569	0.000
52	39/ 41/ 42	2	0.055569	0.000
53	40/ 43/ 41	2	0.055536	0.000
54	43/ 44/ 41	2	0.055536	0.000
55	41/ 44/ 45	2	0.055569	0.000
56	41/ 45/ 42	2	0.055569	0.000
57	43/ 46/ 47	2	0.055527	0.000
58	43/ 47/ 44	2	0.055527	0.000
59	44/ 47/ 45	2	0.055561	0.000
60	45/ 47/ 48	2	0.055561	0.000
61	46/ 49/ 47	2	0.055477	0.000
62	49/ 50/ 47	2	0.055477	0.000
63	47/ 50/ 51	2	0.055511	0.000
64	47/ 51/ 48	2	0.055511	0.000
65	49/ 52/ 53	2	0.055561	0.000
66	49/ 53/ 50	2	0.055561	0.000
67	50/ 53/ 51	2	0.055594	0.000
68	51/ 53/ 54	2	0.055594	0.000
69	52/ 55/ 53	2	0.055561	0.000
70	55/ 56/ 53	2	0.055561	0.000
71	53/ 56/ 57	2	0.055594	0.000
72	53/ 57/ 54	2	0.055594	0.000
73	55/ 58/ 59	2	0.055477	0.000
74	55/ 59/ 56	2	0.055477	0.000
75	56/ 59/ 57	2	0.055511	0.000
76	57/ 59/ 60	2	0.055511	0.000
77	58/ 61/ 59	2	0.055561	0.000
78	61/ 62/ 59	2	0.055561	0.000
79	59/ 62/ 63	2	0.055594	0.000
80	59/ 63/ 60	2	0.055594	0.000
81	61/ 64/ 65	2	0.055561	0.000
82	61/ 65/ 62	2	0.055561	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
83	62/ 65/ 63	2	0.055594	0.000
84	63/ 65/ 66	2	0.055594	0.000
85	64/ 67/ 65	2	0.055477	0.000
86	67/ 68/ 65	2	0.055477	0.000
87	65/ 68/ 69	2	0.055511	0.000
88	65/ 69/ 66	2	0.055511	0.000
89	67/ 70/ 71	2	0.055561	0.000
90	67/ 71/ 68	2	0.055561	0.000
91	68/ 71/ 69	2	0.055594	0.000
92	69/ 71/ 72	2	0.055594	0.000
93	70/ 73/ 71	2	0.055561	0.000
94	73/ 74/ 71	2	0.055561	0.000
95	71/ 74/ 75	2	0.055594	0.000
96	71/ 75/ 72	2	0.055594	0.000
97	73/ 76/ 77	2	0.055477	0.000
98	73/ 77/ 74	2	0.055477	0.000
99	74/ 77/ 75	2	0.055511	0.000
100	75/ 77/ 78	2	0.055511	0.000
101	76/ 79/ 77	2	0.055561	0.000
102	79/ 80/ 77	2	0.055561	0.000
103	77/ 80/ 81	2	0.055594	0.000
104	77/ 81/ 78	2	0.055594	0.000
105	79/ 82/ 83	2	0.055561	0.000
106	79/ 83/ 80	2	0.055561	0.000
107	80/ 83/ 81	2	0.055594	0.000
108	81/ 83/ 84	2	0.055594	0.000
109	82/ 85/ 83	2	0.055477	0.000
110	85/ 86/ 83	2	0.055477	0.000
111	83/ 86/ 87	2	0.055511	0.000
112	83/ 87/ 84	2	0.055511	0.000
113	85/ 88/ 89	2	0.055561	0.000
114	85/ 89/ 86	2	0.055561	0.000
115	86/ 89/ 87	2	0.055594	0.000
116	87/ 89/ 90	2	0.055594	0.000
117	88/ 91/ 89	2	0.055561	0.000
118	91/ 92/ 89	2	0.055561	0.000
119	89/ 92/ 93	2	0.055594	0.000
120	89/ 93/ 90	2	0.055594	0.000
121	91/ 94/ 95	2	0.055477	0.000
122	91/ 95/ 92	2	0.055477	0.000
123	92/ 95/ 93	2	0.055511	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
124	93/ 95/ 96	2	0.055511	0.000
125	94/ 97/ 95	2	0.055561	0.000
126	97/ 98/ 95	2	0.055561	0.000
127	95/ 98/ 99	2	0.055594	0.000
128	95/ 99/ 96	2	0.055594	0.000
129	97/ 100/ 101	2	0.055561	0.000
130	97/ 101/ 98	2	0.055561	0.000
131	98/ 101/ 99	2	0.055594	0.000
132	99/ 101/ 102	2	0.055594	0.000
133	100/ 103/ 101	2	0.055477	0.000
134	103/ 104/ 101	2	0.055477	0.000
135	101/ 104/ 105	2	0.055511	0.000
136	101/ 105/ 102	2	0.055511	0.000
137	103/ 106/ 107	2	0.055561	0.000
138	103/ 107/ 104	2	0.055561	0.000
139	104/ 107/ 105	2	0.055594	0.000
140	105/ 107/ 108	2	0.055594	0.000
141	106/ 109/ 107	2	0.055561	0.000
142	109/ 110/ 107	2	0.055561	0.000
143	107/ 110/ 111	2	0.055594	0.000
144	107/ 111/ 108	2	0.055594	0.000
145	109/ 112/ 113	2	0.055477	0.000
146	109/ 113/ 110	2	0.055477	0.000
147	110/ 113/ 111	2	0.055511	0.000
148	111/ 113/ 114	2	0.055511	0.000
149	112/ 115/ 113	2	0.055561	0.000
150	115/ 116/ 113	2	0.055561	0.000
151	113/ 116/ 117	2	0.055594	0.000
152	113/ 117/ 114	2	0.055594	0.000
153	115/ 118/ 119	2	0.055561	0.000
154	115/ 119/ 116	2	0.055561	0.000
155	116/ 119/ 117	2	0.055594	0.000
156	117/ 119/ 120	2	0.055594	0.000
157	118/ 121/ 119	2	0.055477	0.000
158	121/ 122/ 119	2	0.055477	0.000
159	119/ 122/ 123	2	0.055511	0.000
160	119/ 123/ 120	2	0.055511	0.000
161	121/ 124/ 125	2	0.055561	0.000
162	121/ 125/ 122	2	0.055561	0.000
163	122/ 125/ 123	2	0.055594	0.000
164	123/ 125/ 126	2	0.055594	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
165	124/ 127/ 125	2	0.055561	0.000
166	127/ 128/ 125	2	0.055561	0.000
167	125/ 128/ 129	2	0.055594	0.000
168	125/ 129/ 126	2	0.055594	0.000
169	127/ 130/ 131	2	0.055477	0.000
170	127/ 131/ 128	2	0.055477	0.000
171	128/ 131/ 129	2	0.055511	0.000
172	129/ 131/ 132	2	0.055511	0.000
173	130/ 133/ 131	2	0.055561	0.000
174	133/ 134/ 131	2	0.055561	0.000
175	131/ 134/ 135	2	0.055594	0.000
176	131/ 135/ 132	2	0.055594	0.000
177	133/ 136/ 137	2	0.055561	0.000
178	133/ 137/ 134	2	0.055561	0.000
179	134/ 137/ 135	2	0.055594	0.000
180	135/ 137/ 138	2	0.055594	0.000
181	136/ 139/ 137	2	0.055477	0.000
182	139/ 140/ 137	2	0.055477	0.000
183	137/ 140/ 141	2	0.055511	0.000
184	137/ 141/ 138	2	0.055511	0.000
185	139/ 142/ 143	2	0.055561	0.000
186	139/ 143/ 140	2	0.055561	0.000
187	140/ 143/ 141	2	0.055594	0.000
188	141/ 143/ 144	2	0.055594	0.000
189	142/ 145/ 143	2	0.055561	0.000
190	145/ 146/ 143	2	0.055561	0.000
191	143/ 146/ 147	2	0.055594	0.000
192	143/ 147/ 144	2	0.055594	0.000
193	145/ 148/ 149	2	0.055477	0.000
194	145/ 149/ 146	2	0.055477	0.000
195	146/ 149/ 147	2	0.055511	0.000
196	147/ 149/ 150	2	0.055511	0.000
197	148/ 151/ 149	2	0.055561	0.000
198	151/ 152/ 149	2	0.055561	0.000
199	149/ 152/ 153	2	0.055594	0.000
200	149/ 153/ 150	2	0.055594	0.000
201	151/ 154/ 155	2	0.055561	0.000
202	151/ 155/ 152	2	0.055561	0.000
203	152/ 155/ 153	2	0.055594	0.000
204	153/ 155/ 156	2	0.055594	0.000
205	154/ 157/ 155	2	0.055477	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
206	157/ 158/ 155	2	0.055477	0.000
207	155/ 158/ 159	2	0.055511	0.000
208	155/ 159/ 156	2	0.055511	0.000
209	157/ 160/ 161	2	0.055561	0.000
210	157/ 161/ 158	2	0.055561	0.000
211	158/ 161/ 159	2	0.055594	0.000
212	159/ 161/ 162	2	0.055594	0.000
213	160/ 163/ 161	2	0.055561	0.000
214	163/ 164/ 161	2	0.055561	0.000
215	161/ 164/ 165	2	0.055594	0.000
216	161/ 165/ 162	2	0.055594	0.000
217	163/ 166/ 167	2	0.041591	0.000
218	163/ 167/ 168	2	0.041566	0.000
219	163/ 168/ 164	2	0.041566	0.000
220	164/ 168/ 165	2	0.041591	0.000
221	165/ 168/ 169	2	0.041591	0.000
222	166/ 170/ 171	2	0.041675	0.000
223	166/ 171/ 172	2	0.041675	0.000
224	166/ 172/ 167	2	0.041675	0.000
225	167/ 172/ 168	2	0.041650	0.000
226	168/ 172/ 173	2	0.041650	0.000
227	168/ 173/ 174	2	0.041675	0.000
228	168/ 174/ 169	2	0.041675	0.000
229	170/ 175/ 176	2	0.041650	0.000
230	170/ 176/ 177	2	0.041675	0.000
231	170/ 177/ 171	2	0.041675	0.000
232	171/ 177/ 172	2	0.041675	0.000
233	172/ 177/ 178	2	0.041675	0.000
234	172/ 178/ 179	2	0.041650	0.000
235	172/ 179/ 173	2	0.041650	0.000
236	173/ 179/ 174	2	0.041675	0.000
237	174/ 179/ 180	2	0.041675	0.000
238	175/ 181/ 182	2	0.041675	0.000
239	175/ 182/ 183	2	0.041650	0.000
240	175/ 183/ 176	2	0.041650	0.000
241	176/ 183/ 177	2	0.041675	0.000
242	177/ 183/ 184	2	0.041675	0.000
243	177/ 184/ 185	2	0.041675	0.000
244	177/ 185/ 178	2	0.041675	0.000
245	178/ 185/ 179	2	0.041650	0.000
246	179/ 185/ 186	2	0.041650	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
247	179/ 186/ 187	2	0.041675	0.000
248	179/ 187/ 180	2	0.041675	0.000
249	181/ 188/ 189	2	0.041675	0.000
250	181/ 189/ 182	2	0.041675	0.000
251	182/ 189/ 183	2	0.041650	0.000
252	183/ 189/ 190	2	0.041650	0.000
253	183/ 190/ 191	2	0.041675	0.000
254	184/ 183/ 191	2	0.041675	0.000
255	184/ 191/ 185	2	0.041675	0.000
256	185/ 191/ 192	2	0.041675	0.000
257	185/ 192/ 193	2	0.041650	0.000
258	185/ 193/ 186	2	0.041650	0.000
259	186/ 193/ 187	2	0.041675	0.000
260	187/ 193/ 194	2	0.041675	0.000
261	188/ 195/ 189	2	0.041675	0.000
262	189/ 195/ 196	2	0.041675	0.000
263	189/ 196/ 197	2	0.041650	0.000
264	189/ 197/ 190	2	0.041650	0.000
265	190/ 197/ 191	2	0.041675	0.000
266	191/ 197/ 198	2	0.041675	0.000
267	191/ 198/ 199	2	0.041675	0.000
268	191/ 199/ 192	2	0.041675	0.000
269	192/ 199/ 193	2	0.041650	0.000
270	193/ 199/ 200	2	0.041650	0.000
271	193/ 200/ 201	2	0.041675	0.000
272	193/ 201/ 194	2	0.041675	0.000
273	195/ 202/ 203	2	0.034673	0.000
274	195/ 203/ 196	2	0.034673	0.000
275	196/ 203/ 197	2	0.034652	0.000
276	197/ 203/ 204	2	0.034652	0.000
277	197/ 204/ 205	2	0.034673	0.000
278	198/ 197/ 205	2	0.034673	0.000
279	198/ 205/ 199	2	0.034673	0.000
280	199/ 205/ 206	2	0.034673	0.000
281	199/ 206/ 207	2	0.034652	0.000
282	199/ 207/ 200	2	0.034652	0.000
283	200/ 207/ 201	2	0.034673	0.000
284	201/ 207/ 208	2	0.034673	0.000
285	202/ 209/ 203	2	0.034840	0.000
286	203/ 209/ 210	2	0.034840	0.000
287	203/ 210/ 211	2	0.034819	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
288	203/ 211/ 204	2	0.034819	0.000
289	204/ 211/ 205	2	0.034840	0.000
290	205/ 211/ 212	2	0.034840	0.000
291	205/ 212/ 213	2	0.034840	0.000
292	205/ 213/ 206	2	0.034840	0.000
293	206/ 213/ 207	2	0.034819	0.000
294	207/ 213/ 214	2	0.034819	0.000
295	207/ 214/ 215	2	0.034840	0.000
296	207/ 215/ 208	2	0.034840	0.000
297	209/ 216/ 217	2	0.015586	0.000
298	209/ 217/ 210	2	0.015586	0.000
299	210/ 217/ 211	2	0.015577	0.000
300	211/ 217/ 218	2	0.015577	0.000
301	211/ 218/ 219	2	0.015586	0.000
302	212/ 211/ 219	2	0.015586	0.000
303	212/ 219/ 213	2	0.015586	0.000
304	213/ 219/ 220	2	0.015586	0.000
305	213/ 220/ 221	2	0.015577	0.000
306	213/ 221/ 214	2	0.015577	0.000
307	214/ 221/ 215	2	0.015586	0.000
308	215/ 221/ 222	2	0.015586	0.000
309	216/ 223/ 217	2	0.015669	0.000
310	217/ 223/ 224	2	0.015669	0.000
311	217/ 224/ 225	2	0.015660	0.000
312	217/ 225/ 218	2	0.015660	0.000
313	218/ 225/ 219	2	0.015669	0.000
314	219/ 225/ 226	2	0.015669	0.000
315	219/ 226/ 227	2	0.015669	0.000
316	219/ 227/ 220	2	0.015669	0.000
317	220/ 227/ 221	2	0.015660	0.000
318	221/ 227/ 228	2	0.015660	0.000
319	221/ 228/ 229	2	0.015669	0.000
320	221/ 229/ 222	2	0.015669	0.000
321	223/ 230/ 231	2	0.012085	0.000
322	223/ 231/ 224	2	0.012085	0.000
323	224/ 231/ 225	2	0.012078	0.000
324	225/ 231/ 232	2	0.012078	0.000
325	225/ 232/ 233	2	0.012085	0.000
326	226/ 225/ 233	2	0.012085	0.000
327	226/ 233/ 227	2	0.012085	0.000
328	227/ 233/ 234	2	0.012085	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
329	227/ 234/ 235	2	0.012078	0.000
330	227/ 235/ 228	2	0.012078	0.000
331	228/ 235/ 229	2	0.012085	0.000
332	229/ 235/ 236	2	0.012085	0.000
333	230/ 237/ 231	2	0.012169	0.000
334	231/ 237/ 238	2	0.012169	0.000
335	231/ 238/ 239	2	0.012161	0.000
336	231/ 239/ 232	2	0.012161	0.000
337	232/ 239/ 233	2	0.012169	0.000
338	233/ 239/ 240	2	0.012169	0.000
339	233/ 240/ 241	2	0.012169	0.000
340	233/ 241/ 234	2	0.012169	0.000
341	234/ 241/ 235	2	0.012161	0.000
342	235/ 241/ 242	2	0.012161	0.000
343	235/ 242/ 243	2	0.012169	0.000
344	235/ 243/ 236	2	0.012169	0.000
345	237/ 244/ 245	2	0.041675	0.000
346	237/ 245/ 238	2	0.041675	0.000
347	238/ 245/ 239	2	0.041650	0.000
348	239/ 245/ 246	2	0.041650	0.000
349	239/ 246/ 247	2	0.041675	0.000
350	240/ 239/ 247	2	0.041675	0.000
351	240/ 247/ 241	2	0.041675	0.000
352	241/ 247/ 248	2	0.041675	0.000
353	241/ 248/ 249	2	0.041650	0.000
354	241/ 249/ 242	2	0.041650	0.000
355	242/ 249/ 243	2	0.041675	0.000
356	243/ 249/ 250	2	0.041675	0.000
357	244/ 251/ 245	2	0.041675	0.000
358	245/ 251/ 252	2	0.041675	0.000
359	245/ 252/ 253	2	0.041650	0.000
360	245/ 253/ 246	2	0.041650	0.000
361	246/ 253/ 247	2	0.041675	0.000
362	247/ 253/ 254	2	0.041675	0.000
363	247/ 254/ 255	2	0.041675	0.000
364	247/ 255/ 248	2	0.041675	0.000
365	248/ 255/ 249	2	0.041650	0.000
366	249/ 255/ 256	2	0.041650	0.000
367	249/ 256/ 257	2	0.041675	0.000
368	249/ 257/ 250	2	0.041675	0.000
369	258/ 263/ 262	2	0.048661	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
370	258/ 259/ 263	2	0.048661	0.000
371	259/ 229/ 263	2	0.048661	0.000
372	229/ 264/ 263	2	0.048669	0.000
373	229/ 265/ 264	2	0.048335	0.000
374	229/ 260/ 265	2	0.048328	0.000
375	260/ 261/ 265	2	0.048661	0.000
376	261/ 266/ 265	2	0.048661	0.000
377	262/ 263/ 267	2	0.048669	0.000
378	263/ 268/ 267	2	0.048669	0.000
379	263/ 269/ 268	2	0.048669	0.000
380	263/ 264/ 269	2	0.048669	0.000
381	264/ 265/ 269	2	0.048335	0.000
382	265/ 270/ 269	2	0.048335	0.000
383	265/ 271/ 270	2	0.048669	0.000
384	265/ 266/ 271	2	0.048669	0.000
385	267/ 273/ 272	2	0.048669	0.000
386	267/ 268/ 273	2	0.048669	0.000
387	268/ 269/ 273	2	0.048669	0.000
388	269/ 274/ 273	2	0.048669	0.000
389	269/ 275/ 274	2	0.048335	0.000
390	269/ 270/ 275	2	0.048335	0.000
391	270/ 271/ 275	2	0.048669	0.000
392	271/ 276/ 275	2	0.048669	0.000
393	272/ 273/ 277	3	0.048669	0.000
394	273/ 278/ 277	3	0.052002	0.000
395	273/ 279/ 278	3	0.052002	0.000
396	273/ 274/ 279	3	0.048669	0.000
397	274/ 275/ 279	3	0.048335	0.000
398	275/ 280/ 279	3	0.052335	0.000
399	275/ 281/ 280	3	0.052002	0.000
400	275/ 276/ 281	3	0.048669	0.000
401	277/ 283/ 282	3	0.052002	0.000
402	277/ 278/ 283	3	0.052002	0.000
403	278/ 279/ 283	3	0.052002	0.000
404	279/ 284/ 283	3	0.052002	0.000
405	279/ 285/ 284	3	0.052335	0.000
406	279/ 280/ 285	3	0.052335	0.000
407	280/ 281/ 285	3	0.052002	0.000
408	281/ 286/ 285	3	0.052002	0.000
409	282/ 283/ 287	3	0.052002	0.000
410	283/ 288/ 287	3	0.052002	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
411	283/ 289/ 288	3	0.052002	0.000
412	283/ 284/ 289	3	0.052002	0.000
413	284/ 285/ 289	3	0.052335	0.000
414	285/ 290/ 289	3	0.052335	0.000
415	285/ 291/ 290	3	0.052002	0.000
416	285/ 286/ 291	3	0.052002	0.000
417	287/ 293/ 292	3	0.052002	0.000
418	287/ 288/ 293	3	0.052002	0.000
419	288/ 289/ 293	3	0.052002	0.000
420	289/ 294/ 293	3	0.052002	0.000
421	289/ 295/ 294	3	0.052335	0.000
422	289/ 290/ 295	3	0.052335	0.000
423	290/ 291/ 295	3	0.052002	0.000
424	291/ 296/ 295	3	0.052002	0.000
425	292/ 293/ 297	3	0.052002	0.000
426	293/ 298/ 297	3	0.052002	0.000
427	293/ 299/ 298	3	0.052002	0.000
428	293/ 294/ 299	3	0.052002	0.000
429	294/ 295/ 299	3	0.052335	0.000
430	295/ 300/ 299	3	0.052335	0.000
431	295/ 301/ 300	3	0.052002	0.000
432	295/ 296/ 301	3	0.052002	0.000
433	297/ 303/ 302	3	0.052002	0.000
434	297/ 298/ 303	3	0.052002	0.000
435	298/ 299/ 303	3	0.052002	0.000
436	299/ 304/ 303	3	0.052002	0.000
437	299/ 305/ 304	3	0.052335	0.000
438	299/ 300/ 305	3	0.052335	0.000
439	300/ 301/ 305	3	0.052002	0.000
440	301/ 306/ 305	3	0.052002	0.000
441	302/ 303/ 307	3	0.052002	0.000
442	303/ 308/ 307	3	0.052002	0.000
443	303/ 309/ 308	3	0.052002	0.000
444	303/ 304/ 309	3	0.052002	0.000
445	304/ 305/ 309	3	0.052335	0.000
446	305/ 310/ 309	3	0.052335	0.000
447	305/ 311/ 310	3	0.052002	0.000
448	305/ 306/ 311	3	0.052002	0.000
449	307/ 313/ 312	3	0.052002	0.000
450	307/ 308/ 313	3	0.052002	0.000
451	308/ 309/ 313	3	0.052002	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
452	309/ 314/ 313	3	0.052002	0.000
453	309/ 315/ 314	3	0.052335	0.000
454	309/ 310/ 315	3	0.052335	0.000
455	310/ 311/ 315	3	0.052002	0.000
456	311/ 316/ 315	3	0.052002	0.000
457	312/ 313/ 317	3	0.052002	0.000
458	313/ 318/ 317	3	0.052002	0.000
459	313/ 319/ 318	3	0.052002	0.000
460	313/ 314/ 319	3	0.052002	0.000
461	314/ 315/ 319	3	0.052335	0.000
462	315/ 320/ 319	3	0.052335	0.000
463	315/ 321/ 320	3	0.052002	0.000
464	315/ 316/ 321	3	0.052002	0.000
465	317/ 323/ 322	3	0.052002	0.000
466	317/ 318/ 323	3	0.052002	0.000
467	318/ 319/ 323	3	0.052002	0.000
468	319/ 324/ 323	3	0.052002	0.000
469	319/ 325/ 324	3	0.052335	0.000
470	319/ 320/ 325	3	0.052335	0.000
471	320/ 321/ 325	3	0.052002	0.000
472	321/ 326/ 325	3	0.052002	0.000
473	322/ 323/ 327	3	0.051940	0.000
474	323/ 328/ 327	3	0.051940	0.000
475	323/ 329/ 328	3	0.051940	0.000
476	323/ 324/ 329	3	0.051940	0.000
477	324/ 325/ 329	3	0.052273	0.000
478	325/ 330/ 329	3	0.052273	0.000
479	325/ 331/ 330	3	0.051940	0.000
480	325/ 326/ 331	3	0.051940	0.000
481	327/ 333/ 332	3	0.052026	0.000
482	327/ 328/ 333	3	0.052026	0.000
483	328/ 329/ 333	3	0.052026	0.000
484	329/ 334/ 333	3	0.052026	0.000
485	329/ 335/ 334	3	0.052359	0.000
486	329/ 330/ 335	3	0.052359	0.000
487	330/ 331/ 335	3	0.052026	0.000
488	331/ 336/ 335	3	0.052026	0.000
489	332/ 333/ 337	3	0.052026	0.000
490	333/ 338/ 337	3	0.052026	0.000
491	333/ 339/ 338	3	0.052026	0.000
492	333/ 334/ 339	3	0.052026	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
493	334/ 335/ 339	3	0.052359	0.000
494	335/ 340/ 339	3	0.052359	0.000
495	335/ 341/ 340	3	0.052026	0.000
496	335/ 336/ 341	3	0.052026	0.000
497	337/ 343/ 342	3	0.051948	0.000
498	337/ 338/ 343	3	0.051948	0.000
499	338/ 339/ 343	3	0.051948	0.000
500	339/ 344/ 343	3	0.051948	0.000
501	339/ 345/ 344	3	0.052281	0.000
502	339/ 340/ 345	3	0.052281	0.000
503	340/ 341/ 345	3	0.051948	0.000
504	341/ 346/ 345	3	0.051948	0.000
505	342/ 343/ 347	3	0.052026	0.000
506	343/ 348/ 347	3	0.052026	0.000
507	343/ 349/ 348	3	0.052026	0.000
508	343/ 344/ 349	3	0.052026	0.000
509	344/ 345/ 349	3	0.052359	0.000
510	345/ 350/ 349	3	0.052359	0.000
511	345/ 351/ 350	3	0.052026	0.000
512	345/ 346/ 351	3	0.052026	0.000
513	347/ 353/ 352	3	0.052026	0.000
514	347/ 348/ 353	3	0.052026	0.000
515	348/ 349/ 353	3	0.052026	0.000
516	349/ 354/ 353	3	0.052026	0.000
517	349/ 355/ 354	3	0.052359	0.000
518	349/ 350/ 355	3	0.052359	0.000
519	350/ 351/ 355	3	0.052026	0.000
520	351/ 356/ 355	3	0.052026	0.000
521	352/ 353/ 357	3	0.052026	0.000
522	353/ 358/ 357	3	0.052026	0.000
523	353/ 359/ 358	3	0.052026	0.000
524	353/ 354/ 359	3	0.052026	0.000
525	354/ 355/ 359	3	0.052359	0.000
526	355/ 360/ 359	3	0.052359	0.000
527	355/ 361/ 360	3	0.052026	0.000
528	355/ 356/ 361	3	0.052026	0.000
529	357/ 363/ 362	3	0.051948	0.000
530	357/ 358/ 363	3	0.051948	0.000
531	358/ 359/ 363	3	0.051948	0.000
532	359/ 364/ 363	3	0.051948	0.000
533	359/ 365/ 364	3	0.052281	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
534	359/ 360/ 365	3	0.052281	0.000
535	360/ 361/ 365	3	0.051948	0.000
536	361/ 366/ 365	3	0.051948	0.000
537	362/ 363/ 367	3	0.052026	0.000
538	363/ 368/ 367	3	0.052026	0.000
539	363/ 369/ 368	3	0.052026	0.000
540	363/ 364/ 369	3	0.052026	0.000
541	364/ 365/ 369	3	0.052359	0.000
542	365/ 370/ 369	3	0.052359	0.000
543	365/ 371/ 370	3	0.052026	0.000
544	365/ 366/ 371	3	0.052026	0.000
545	367/ 373/ 372	3	0.052026	0.000
546	367/ 368/ 373	3	0.052026	0.000
547	368/ 369/ 373	3	0.052026	0.000
548	369/ 374/ 373	3	0.052026	0.000
549	369/ 375/ 374	3	0.052359	0.000
550	369/ 370/ 375	3	0.052359	0.000
551	370/ 371/ 375	3	0.052026	0.000
552	371/ 376/ 375	3	0.052026	0.000
553	372/ 373/ 377	3	0.051948	0.000
554	373/ 378/ 377	3	0.051948	0.000
555	373/ 379/ 378	3	0.051948	0.000
556	373/ 374/ 379	3	0.051948	0.000
557	374/ 375/ 379	3	0.052281	0.000
558	375/ 380/ 379	3	0.052281	0.000
559	375/ 381/ 380	3	0.051948	0.000
560	375/ 376/ 381	3	0.051948	0.000
561	377/ 383/ 382	3	0.052026	0.000
562	377/ 378/ 383	3	0.052026	0.000
563	378/ 379/ 383	3	0.052026	0.000
564	379/ 384/ 383	3	0.052026	0.000
565	379/ 385/ 384	3	0.052359	0.000
566	379/ 380/ 385	3	0.052359	0.000
567	380/ 381/ 385	3	0.052026	0.000
568	381/ 386/ 385	3	0.052026	0.000
569	382/ 383/ 387	3	0.052026	0.000
570	383/ 388/ 387	3	0.052026	0.000
571	383/ 389/ 388	3	0.052026	0.000
572	383/ 384/ 389	3	0.052026	0.000
573	384/ 385/ 389	3	0.052359	0.000
574	385/ 390/ 389	3	0.052359	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
575	385/ 391/ 390	3	0.052026	0.000
576	385/ 386/ 391	3	0.052026	0.000
577	387/ 393/ 392	3	0.051948	0.000
578	387/ 388/ 393	3	0.051948	0.000
579	388/ 389/ 393	3	0.051948	0.000
580	389/ 394/ 393	3	0.051948	0.000
581	389/ 395/ 394	3	0.052281	0.000
582	389/ 390/ 395	3	0.052281	0.000
583	390/ 391/ 395	3	0.051948	0.000
584	391/ 396/ 395	3	0.051948	0.000
585	392/ 393/ 397	3	0.052026	0.000
586	393/ 398/ 397	3	0.052026	0.000
587	393/ 399/ 398	3	0.052026	0.000
588	393/ 394/ 399	3	0.052026	0.000
589	394/ 395/ 399	3	0.052359	0.000
590	395/ 400/ 399	3	0.052359	0.000
591	395/ 401/ 400	3	0.052026	0.000
592	395/ 396/ 401	3	0.052026	0.000
593	397/ 403/ 402	3	0.052026	0.000
594	397/ 398/ 403	3	0.052026	0.000
595	398/ 399/ 403	3	0.052026	0.000
596	399/ 404/ 403	3	0.052026	0.000
597	399/ 405/ 404	3	0.052359	0.000
598	399/ 400/ 405	3	0.052359	0.000
599	400/ 401/ 405	3	0.052026	0.000
600	401/ 406/ 405	3	0.052026	0.000
601	402/ 403/ 407	3	0.051948	0.000
602	403/ 408/ 407	3	0.051948	0.000
603	403/ 409/ 408	3	0.051948	0.000
604	403/ 404/ 409	3	0.051948	0.000
605	404/ 405/ 409	3	0.052281	0.000
606	405/ 410/ 409	3	0.052281	0.000
607	405/ 411/ 410	3	0.051948	0.000
608	405/ 406/ 411	3	0.051948	0.000
609	407/ 413/ 412	3	0.052026	0.000
610	407/ 408/ 413	3	0.052026	0.000
611	408/ 409/ 413	3	0.052026	0.000
612	409/ 414/ 413	3	0.052026	0.000
613	409/ 415/ 414	3	0.052359	0.000
614	409/ 410/ 415	3	0.052359	0.000
615	410/ 411/ 415	3	0.052026	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
616	411/ 416/ 415	3	0.052026	0.000
617	412/ 413/ 417	3	0.052026	0.000
618	413/ 418/ 417	3	0.052026	0.000
619	413/ 419/ 418	3	0.052026	0.000
620	413/ 414/ 419	3	0.052026	0.000
621	414/ 415/ 419	3	0.052359	0.000
622	415/ 420/ 419	3	0.052359	0.000
623	415/ 421/ 420	3	0.052026	0.000
624	415/ 416/ 421	3	0.052026	0.000
625	417/ 423/ 422	4	0.055278	0.000
626	417/ 418/ 423	4	0.051948	0.000
627	418/ 419/ 423	4	0.051948	0.000
628	419/ 424/ 423	4	0.055611	0.000
629	419/ 425/ 424	4	0.055611	0.000
630	419/ 420/ 425	4	0.052281	0.000
631	420/ 421/ 425	4	0.051948	0.000
632	421/ 426/ 425	4	0.055278	0.000
633	422/ 423/ 427	4	0.055361	0.000
634	423/ 428/ 427	4	0.055361	0.000
635	423/ 429/ 428	4	0.055694	0.000
636	423/ 424/ 429	4	0.055694	0.000
637	424/ 425/ 429	4	0.055694	0.000
638	425/ 430/ 429	4	0.055694	0.000
639	425/ 431/ 430	4	0.055361	0.000
640	425/ 426/ 431	4	0.055361	0.000
641	427/ 433/ 432	4	0.055361	0.000
642	427/ 428/ 433	4	0.055361	0.000
643	428/ 429/ 433	4	0.055694	0.000
644	429/ 434/ 433	4	0.055694	0.000
645	429/ 435/ 434	4	0.055694	0.000
646	429/ 430/ 435	4	0.055694	0.000
647	430/ 431/ 435	4	0.055361	0.000
648	431/ 436/ 435	4	0.055361	0.000
649	432/ 433/ 437	4	0.055278	0.000
650	433/ 438/ 437	4	0.055278	0.000
651	433/ 439/ 438	4	0.055611	0.000
652	433/ 434/ 439	4	0.055611	0.000
653	434/ 435/ 439	4	0.055611	0.000
654	435/ 440/ 439	4	0.055611	0.000
655	435/ 441/ 440	4	0.055278	0.000
656	435/ 436/ 441	4	0.055278	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
657	437/ 443/ 442	4	0.055278	0.000
658	437/ 438/ 443	4	0.055278	0.000
659	438/ 439/ 443	4	0.055611	0.000
660	439/ 444/ 443	4	0.055611	0.000
661	439/ 445/ 444	4	0.055611	0.000
662	439/ 440/ 445	4	0.055611	0.000
663	440/ 441/ 445	4	0.055278	0.000
664	441/ 446/ 445	4	0.055278	0.000
665	442/ 443/ 447	4	0.055278	0.000
666	443/ 448/ 447	4	0.055278	0.000
667	443/ 449/ 448	4	0.055611	0.000
668	443/ 444/ 449	4	0.055611	0.000
669	444/ 445/ 449	4	0.055611	0.000
670	445/ 450/ 449	4	0.055611	0.000
671	445/ 451/ 450	4	0.055278	0.000
672	445/ 446/ 451	4	0.055278	0.000
673	447/ 453/ 452	4	0.055444	0.000
674	447/ 448/ 453	4	0.055444	0.000
675	448/ 449/ 453	4	0.055778	0.000
676	449/ 454/ 453	4	0.055778	0.000
677	449/ 455/ 454	4	0.055778	0.000
678	449/ 450/ 455	4	0.055778	0.000
679	450/ 451/ 455	4	0.055444	0.000
680	451/ 456/ 455	4	0.055444	0.000
681	452/ 453/ 457	4	0.027639	0.000
682	453/ 458/ 457	4	0.027639	0.000
683	453/ 459/ 458	4	0.027805	0.000
684	453/ 454/ 459	4	0.027805	0.000
685	454/ 455/ 459	4	0.027805	0.000
686	455/ 460/ 459	4	0.027805	0.000
687	455/ 461/ 460	4	0.027639	0.000
688	455/ 456/ 461	4	0.027639	0.000
689	457/ 463/ 462	4	0.027639	0.000
690	457/ 458/ 463	4	0.027639	0.000
691	458/ 459/ 463	4	0.027805	0.000
692	459/ 464/ 463	4	0.027805	0.000
693	459/ 465/ 464	4	0.027805	0.000
694	459/ 460/ 465	4	0.027805	0.000
695	460/ 461/ 465	4	0.027639	0.000
696	461/ 466/ 465	4	0.027639	0.000
697	467/ 452/ 457	4	0.083250	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
698	467/ 457/ 468	4	0.072750	0.000
699	468/ 457/ 469	4	0.073000	0.000
700	469/ 457/ 462	4	0.083250	0.000
701	470/ 467/ 471	4	0.062500	0.000
702	471/ 467/ 468	4	0.072750	0.000
703	471/ 468/ 469	4	0.073000	0.000
704	471/ 469/ 472	4	0.062500	0.000
705	473/ 470/ 471	4	0.062500	0.000
706	473/ 471/ 474	4	0.057250	0.000
707	474/ 471/ 475	4	0.057250	0.000
708	475/ 471/ 472	4	0.062500	0.000
709	476/ 473/ 477	4	0.052000	0.000
710	477/ 473/ 474	4	0.057250	0.000
711	477/ 474/ 475	4	0.057250	0.000
712	477/ 475/ 478	4	0.052250	0.000
713	479/ 476/ 477	4	0.052000	0.000
714	479/ 477/ 480	4	0.052000	0.000
715	480/ 477/ 481	4	0.052250	0.000
716	481/ 477/ 478	4	0.052250	0.000
717	482/ 479/ 483	4	0.052000	0.000
718	483/ 479/ 480	4	0.052000	0.000
719	483/ 480/ 481	4	0.052250	0.000
720	483/ 481/ 484	4	0.052250	0.000
721	485/ 482/ 483	4	0.052000	0.000
722	485/ 483/ 486	4	0.052000	0.000
723	486/ 483/ 487	4	0.052250	0.000
724	487/ 483/ 484	4	0.052250	0.000
725	488/ 485/ 489	4	0.052000	0.000
726	489/ 485/ 486	4	0.052000	0.000
727	489/ 486/ 487	4	0.052250	0.000
728	489/ 487/ 490	4	0.052250	0.000
729	491/ 488/ 489	4	0.069368	0.000
730	491/ 489/ 492	4	0.069368	0.000
731	492/ 489/ 493	4	0.069701	0.000
732	493/ 489/ 490	4	0.069701	0.000
733	494/ 491/ 495	4	0.069368	0.000
734	495/ 491/ 492	4	0.069368	0.000
735	495/ 492/ 493	4	0.069701	0.000
736	495/ 493/ 496	4	0.069701	0.000
737	497/ 494/ 495	4	0.069264	0.000
738	497/ 495/ 498	4	0.069264	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
739	498/ 495/ 499	4	0.069597	0.000
740	499/ 495/ 496	4	0.069597	0.000
741	500/ 497/ 501	4	0.069368	0.000
742	501/ 497/ 498	4	0.069368	0.000
743	501/ 498/ 499	4	0.069701	0.000
744	501/ 499/ 502	4	0.069701	0.000
745	503/ 500/ 501	4	0.069368	0.000
746	503/ 501/ 504	4	0.069368	0.000
747	504/ 501/ 505	4	0.069701	0.000
748	505/ 501/ 502	4	0.069701	0.000
749	506/ 503/ 507	4	0.069264	0.000
750	507/ 503/ 504	4	0.069264	0.000
751	507/ 504/ 505	4	0.069597	0.000
752	507/ 505/ 508	4	0.069597	0.000
753	509/ 506/ 507	4	0.069368	0.000
754	509/ 507/ 510	4	0.062364	0.000
755	510/ 507/ 511	4	0.062698	0.000
756	511/ 507/ 508	4	0.069701	0.000
757	512/ 509/ 513	4	0.062364	0.000
758	513/ 509/ 510	4	0.062364	0.000
759	513/ 510/ 511	4	0.062698	0.000
760	513/ 511/ 514	4	0.062698	0.000
761	515/ 512/ 513	4	0.062271	0.000
762	515/ 513/ 516	4	0.062271	0.000
763	516/ 513/ 517	4	0.062604	0.000
764	517/ 513/ 514	4	0.062604	0.000
765	518/ 515/ 519	4	0.062364	0.000
766	519/ 515/ 516	4	0.062364	0.000
767	519/ 516/ 517	4	0.062698	0.000
768	519/ 517/ 520	4	0.062698	0.000
769	521/ 518/ 519	4	0.062364	0.000
770	521/ 519/ 522	4	0.062364	0.000
771	522/ 519/ 523	4	0.062698	0.000
772	523/ 519/ 520	4	0.062698	0.000
773	524/ 521/ 525	4	0.055611	0.000
774	525/ 521/ 522	4	0.062271	0.000
775	525/ 522/ 523	4	0.062604	0.000
776	525/ 523/ 526	4	0.055278	0.000
777	527/ 524/ 525	3	0.055694	0.000
778	527/ 525/ 528	3	0.048691	0.000
779	528/ 525/ 529	3	0.048691	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
780	529/ 525/ 526	3	0.055361	0.000
781	530/ 527/ 531	3	0.048691	0.000
782	531/ 527/ 528	3	0.048691	0.000
783	531/ 528/ 529	3	0.048691	0.000
784	531/ 529/ 532	3	0.048691	0.000
785	533/ 530/ 531	3	0.048618	0.000
786	533/ 531/ 534	3	0.048618	0.000
787	534/ 531/ 535	3	0.048618	0.000
788	535/ 531/ 532	3	0.048618	0.000
789	536/ 533/ 537	3	0.048691	0.000
790	537/ 533/ 534	3	0.048691	0.000
791	537/ 534/ 535	3	0.048691	0.000
792	537/ 535/ 538	3	0.048691	0.000
793	539/ 536/ 537	3	0.048691	0.000
794	539/ 537/ 540	3	0.048691	0.000
795	540/ 537/ 541	3	0.048691	0.000
796	541/ 537/ 538	3	0.048691	0.000
797	542/ 539/ 543	3	0.048618	0.000
798	543/ 539/ 540	3	0.048618	0.000
799	543/ 540/ 541	3	0.048618	0.000
800	543/ 541/ 544	3	0.048618	0.000
801	545/ 542/ 543	3	0.048691	0.000
802	545/ 543/ 546	3	0.048691	0.000
803	546/ 543/ 547	3	0.048691	0.000
804	547/ 543/ 544	3	0.048691	0.000
805	548/ 545/ 549	3	0.048691	0.000
806	549/ 545/ 546	3	0.048691	0.000
807	549/ 546/ 547	3	0.048691	0.000
808	549/ 547/ 550	3	0.048691	0.000
809	551/ 548/ 549	3	0.048618	0.000
810	551/ 549/ 552	3	0.048618	0.000
811	552/ 549/ 553	3	0.048618	0.000
812	553/ 549/ 550	3	0.048618	0.000
813	554/ 551/ 555	3	0.048691	0.000
814	555/ 551/ 552	3	0.048691	0.000
815	555/ 552/ 553	3	0.048691	0.000
816	555/ 553/ 556	3	0.048691	0.000
817	557/ 554/ 555	3	0.048691	0.000
818	557/ 555/ 558	3	0.048691	0.000
819	558/ 555/ 559	3	0.048691	0.000
820	559/ 555/ 556	3	0.048691	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
821	560/ 557/ 561	3	0.042486	0.000
822	561/ 557/ 558	3	0.042486	0.000
823	561/ 558/ 559	3	0.042486	0.000
824	561/ 559/ 562	3	0.042486	0.000
825	563/ 560/ 561	3	0.042632	0.000
826	563/ 561/ 564	3	0.044968	0.000
827	564/ 561/ 565	3	0.042632	0.000
828	565/ 561/ 562	3	0.042632	0.000
829	566/ 563/ 567	3	0.042559	0.000
830	567/ 563/ 564	3	0.044891	0.000
831	567/ 564/ 565	3	0.042559	0.000
832	567/ 565/ 568	3	0.042267	0.000
833	569/ 566/ 567	3	0.042559	0.000
834	569/ 567/ 570	3	0.042267	0.000
835	570/ 567/ 571	3	0.042559	0.000
836	571/ 567/ 568	3	0.042267	0.000
837	572/ 569/ 573	3	0.042632	0.000
838	573/ 569/ 570	3	0.042340	0.000
839	573/ 570/ 571	3	0.042632	0.000
840	573/ 571/ 574	3	0.042632	0.000
841	575/ 572/ 573	3	0.042559	0.000
842	575/ 573/ 576	3	0.042267	0.000
843	576/ 573/ 577	3	0.042559	0.000
844	577/ 573/ 574	3	0.042559	0.000
845	578/ 575/ 579	3	0.042559	0.000
846	579/ 575/ 576	3	0.042267	0.000
847	579/ 576/ 577	3	0.042559	0.000
848	579/ 577/ 580	3	0.042267	0.000
849	581/ 578/ 579	2	0.036500	0.000
850	581/ 579/ 582	2	0.031250	0.000
851	582/ 579/ 583	2	0.031250	0.000
852	583/ 579/ 580	2	0.036250	0.000
853	584/ 581/ 585	2	0.031250	0.000
854	585/ 581/ 582	2	0.031250	0.000
855	585/ 582/ 583	2	0.031250	0.000
856	585/ 583/ 586	2	0.031250	0.000
857	587/ 584/ 585	2	0.031250	0.000
858	587/ 585/ 588	2	0.031250	0.000
859	588/ 585/ 589	2	0.031250	0.000
860	589/ 585/ 586	2	0.031250	0.000
861	590/ 587/ 591	2	0.031250	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
862	591/ 587/ 588	2	0.031250	0.000
863	591/ 588/ 589	2	0.031250	0.000
864	591/ 589/ 592	2	0.031250	0.000
865	593/ 590/ 591	2	0.031250	0.000
866	593/ 591/ 594	2	0.031250	0.000
867	594/ 591/ 595	2	0.031250	0.000
868	595/ 591/ 592	2	0.031250	0.000
869	596/ 593/ 597	2	0.031250	0.000
870	597/ 593/ 594	2	0.031250	0.000
871	597/ 594/ 595	2	0.031250	0.000
872	597/ 595/ 598	2	0.031250	0.000
873	599/ 596/ 597	2	0.031250	0.000
874	599/ 597/ 600	2	0.031250	0.000
875	600/ 597/ 601	2	0.031250	0.000
876	601/ 597/ 598	2	0.031250	0.000
877	602/ 599/ 603	2	0.031250	0.000
878	603/ 599/ 600	2	0.031250	0.000
879	603/ 600/ 601	2	0.031250	0.000
880	603/ 601/ 604	2	0.031250	0.000
881	605/ 602/ 603	2	0.031250	0.000
882	605/ 603/ 606	2	0.031500	0.000
883	606/ 603/ 607	2	0.031000	0.000
884	607/ 603/ 604	2	0.031250	0.000
885	608/ 605/ 609	2	0.031250	0.000
886	609/ 605/ 606	2	0.031500	0.000
887	609/ 606/ 607	2	0.031000	0.000
888	609/ 607/ 610	2	0.031250	0.000
889	611/ 608/ 609	2	0.031250	0.000
890	611/ 609/ 612	2	0.031250	0.000
891	612/ 609/ 613	2	0.031250	0.000
892	613/ 609/ 610	2	0.031250	0.000
893	614/ 611/ 615	2	0.031250	0.000
894	615/ 611/ 612	2	0.031250	0.000
895	615/ 612/ 613	2	0.031250	0.000
896	615/ 613/ 616	2	0.029000	0.000
897	617/ 614/ 615	2	0.031250	0.000
898	617/ 615/ 618	2	0.031250	0.000
899	618/ 615/ 619	2	0.031250	0.000
900	619/ 615/ 616	2	0.029000	0.000
901	620/ 617/ 621	2	0.031250	0.000
902	621/ 617/ 618	2	0.031250	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
903	621/ 618/ 619	2	0.031250	0.000
904	621/ 619/ 622	2	0.031250	0.000
905	623/ 620/ 621	2	0.031250	0.000
906	623/ 621/ 624	2	0.031250	0.000
907	624/ 621/ 625	2	0.031250	0.000
908	625/ 621/ 622	2	0.031250	0.000
909	626/ 623/ 627	2	0.026062	0.000
910	627/ 623/ 624	2	0.026062	0.000
911	627/ 624/ 625	2	0.026062	0.000
912	627/ 625/ 628	2	0.026062	0.000
913	629/ 626/ 627	2	0.026000	0.000
914	629/ 627/ 630	2	0.026000	0.000
915	630/ 627/ 631	2	0.026000	0.000
916	631/ 627/ 628	2	0.026000	0.000
917	632/ 629/ 633	2	0.026062	0.000
918	633/ 629/ 630	2	0.026062	0.000
919	633/ 630/ 631	2	0.026062	0.000
920	633/ 631/ 634	2	0.026062	0.000
921	635/ 632/ 633	2	0.026062	0.000
922	635/ 633/ 636	2	0.026062	0.000
923	636/ 633/ 637	2	0.026062	0.000
924	637/ 633/ 634	2	0.026062	0.000
925	638/ 635/ 639	2	0.026062	0.000
926	639/ 635/ 636	2	0.026062	0.000
927	639/ 636/ 637	2	0.026062	0.000
928	639/ 637/ 640	2	0.026062	0.000
929	641/ 638/ 639	2	0.026000	0.000
930	641/ 639/ 642	2	0.026000	0.000
931	642/ 639/ 643	2	0.026000	0.000
932	643/ 639/ 640	2	0.026000	0.000
933	644/ 641/ 645	2	0.026062	0.000
934	645/ 641/ 642	2	0.026062	0.000
935	645/ 642/ 643	2	0.026062	0.000
936	645/ 643/ 646	2	0.026062	0.000
937	647/ 644/ 645	2	0.026000	0.000
938	647/ 645/ 648	2	0.021632	0.000
939	648/ 645/ 649	2	0.021632	0.000
940	649/ 645/ 646	2	0.026000	0.000
941	650/ 647/ 651	2	0.021684	0.000
942	651/ 647/ 648	2	0.021684	0.000
943	651/ 648/ 649	2	0.021684	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
944	651/ 649/ 652	2	0.021684	0.000
945	653/ 650/ 651	2	0.021684	0.000
946	653/ 651/ 654	2	0.021684	0.000
947	654/ 651/ 655	2	0.021684	0.000
948	655/ 651/ 652	2	0.021684	0.000
949	656/ 653/ 657	2	0.021684	0.000
950	657/ 653/ 654	2	0.021684	0.000
951	657/ 654/ 655	2	0.021684	0.000
952	657/ 655/ 658	2	0.021684	0.000
953	659/ 656/ 657	2	0.021632	0.000
954	659/ 657/ 660	2	0.021632	0.000
955	660/ 657/ 661	2	0.021632	0.000
956	661/ 657/ 658	2	0.021632	0.000
957	662/ 659/ 663	2	0.021684	0.000
958	663/ 659/ 660	2	0.021684	0.000
959	663/ 660/ 661	2	0.021684	0.000
960	663/ 661/ 664	2	0.021684	0.000
961	665/ 662/ 663	2	0.021632	0.000
962	665/ 663/ 666	2	0.021632	0.000
963	666/ 663/ 667	2	0.021632	0.000
964	667/ 663/ 664	2	0.021632	0.000
965	668/ 665/ 669	2	0.021684	0.000
966	669/ 665/ 666	2	0.021684	0.000
967	669/ 666/ 667	2	0.021684	0.000
968	669/ 667/ 670	2	0.021684	0.000
969	671/ 668/ 669	2	0.021684	0.000
970	671/ 669/ 672	2	0.021684	0.000
971	672/ 669/ 673	2	0.021684	0.000
972	673/ 669/ 670	2	0.021684	0.000
973	674/ 671/ 675	2	0.021684	0.000
974	675/ 671/ 672	2	0.021684	0.000
975	675/ 672/ 673	2	0.021684	0.000
976	675/ 673/ 676	2	0.021684	0.000
977	677/ 674/ 675	1	0.017316	0.000
978	677/ 675/ 678	1	0.017316	0.000
979	678/ 675/ 679	1	0.017316	0.000
980	679/ 675/ 676	1	0.017316	0.000
981	680/ 677/ 681	1	0.017368	0.000
982	681/ 677/ 678	1	0.017368	0.000
983	681/ 678/ 679	1	0.017368	0.000
984	681/ 679/ 682	1	0.017368	0.000

* ELEMENT INPUTS *

ELEMENT	NODES	MATL	AREA	REF. ANGLE
985	683/ 680/ 681	1	0.017316	0.000
986	683/ 681/ 684	1	0.017316	0.000
987	684/ 681/ 685	1	0.017316	0.000
988	685/ 681/ 682	1	0.017316	0.000
989	686/ 683/ 687	1	0.017316	0.000
990	687/ 683/ 684	1	0.017316	0.000
991	687/ 684/ 685	1	0.017316	0.000
992	687/ 685/ 688	1	0.017316	0.000
993	689/ 686/ 687	1	0.017368	0.000
994	689/ 687/ 690	1	0.017368	0.000
995	690/ 687/ 691	1	0.017368	0.000
996	691/ 687/ 688	1	0.017368	0.000
997	692/ 689/ 693	1	0.017316	0.000
998	693/ 689/ 690	1	0.017316	0.000
999	693/ 690/ 691	1	0.017316	0.000
1000	693/ 691/ 694	1	0.017316	0.000

* NODAL DISPLACEMENTS *

SEQ #	TYPE	ELMT/ NODE	DIRECTION	DISPLACEMENT
NONE				

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
1	B	1	1	Y	-0.0868000
2	B	2	1	Y	-0.0868000
3	B	3	1	Y	-0.0868000
4	B	4	1	Y	-0.0868000
5	B	5	1	Y	-0.0868000
6	B	6	1	Y	-0.0868000
7	B	7	1	Y	-0.0868000
8	B	8	1	Y	-0.0868000
9	B	9	1	Y	-0.0868000
10	B	10	1	Y	-0.0868000
11	B	11	1	Y	-0.0868000
12	B	12	1	Y	-0.0868000
13	B	13	1	Y	-0.0868000
14	B	14	1	Y	-0.0868000
15	B	15	1	Y	-0.0868000
16	B	16	1	Y	-0.0868000
17	B	17	1	Y	-0.0868000
18	B	18	1	Y	-0.0868000
19	B	19	1	Y	-0.0868000
20	B	20	1	Y	-0.0868000
21	B	21	1	Y	-0.0868000
22	B	22	1	Y	-0.0868000
23	B	23	1	Y	-0.0868000
24	B	24	1	Y	-0.0868000
25	B	25	1	Y	-0.0868000
26	B	26	1	Y	-0.0868000
27	B	27	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
28	B	28	1	Y	-0.0868000
29	B	29	1	Y	-0.0868000
30	B	30	1	Y	-0.0868000
31	B	31	1	Y	-0.0868000
32	B	32	1	Y	-0.0868000
33	B	33	1	Y	-0.0868000
34	B	34	1	Y	-0.0868000
35	B	35	1	Y	-0.0868000
36	B	36	1	Y	-0.0868000
37	B	37	1	Y	-0.0868000
38	B	38	1	Y	-0.0868000
39	B	39	1	Y	-0.0868000
40	B	40	1	Y	-0.0868000
41	B	41	1	Y	-0.0868000
42	B	42	1	Y	-0.0868000
43	B	43	1	Y	-0.0868000
44	B	44	1	Y	-0.0868000
45	B	45	1	Y	-0.0868000
46	B	46	1	Y	-0.0868000
47	B	47	1	Y	-0.0868000
48	B	48	1	Y	-0.0868000
49	B	49	1	Y	-0.0868000
50	B	50	1	Y	-0.0868000
51	B	51	1	Y	-0.0868000
52	B	52	1	Y	-0.0868000
53	B	53	1	Y	-0.0868000
54	B	54	1	Y	-0.0868000
55	B	55	1	Y	-0.0868000
56	B	56	1	Y	-0.0868000
57	B	57	1	Y	-0.0868000
58	B	58	1	Y	-0.0868000
59	B	59	1	Y	-0.0868000
60	B	60	1	Y	-0.0868000
61	B	61	1	Y	-0.0868000
62	B	62	1	Y	-0.0868000
63	B	63	1	Y	-0.0868000
64	B	64	1	Y	-0.0868000
65	B	65	1	Y	-0.0868000
66	B	66	1	Y	-0.0868000
67	B	67	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
68	B	68	1	Y	-0.0868000
69	B	69	1	Y	-0.0868000
70	B	70	1	Y	-0.0868000
71	B	71	1	Y	-0.0868000
72	B	72	1	Y	-0.0868000
73	B	73	1	Y	-0.0868000
74	B	74	1	Y	-0.0868000
75	B	75	1	Y	-0.0868000
76	B	76	1	Y	-0.0868000
77	B	77	1	Y	-0.0868000
78	B	78	1	Y	-0.0868000
79	B	79	1	Y	-0.0868000
80	B	80	1	Y	-0.0868000
81	B	81	1	Y	-0.0868000
82	B	82	1	Y	-0.0868000
83	B	83	1	Y	-0.0868000
84	B	84	1	Y	-0.0868000
85	B	85	1	Y	-0.0868000
86	B	86	1	Y	-0.0868000
87	B	87	1	Y	-0.0868000
88	B	88	1	Y	-0.0868000
89	B	89	1	Y	-0.0868000
90	B	90	1	Y	-0.0868000
91	B	91	1	Y	-0.0868000
92	B	92	1	Y	-0.0868000
93	B	93	1	Y	-0.0868000
94	B	94	1	Y	-0.0868000
95	B	95	1	Y	-0.0868000
96	B	96	1	Y	-0.0868000
97	B	97	1	Y	-0.0868000
98	B	98	1	Y	-0.0868000
99	B	99	1	Y	-0.0868000
100	B	100	1	Y	-0.0868000
101	B	101	1	Y	-0.0868000
102	B	102	1	Y	-0.0868000
103	B	103	1	Y	-0.0868000
104	B	104	1	Y	-0.0868000
105	B	105	1	Y	-0.0868000
106	B	106	1	Y	-0.0868000
107	B	107	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
108	B	108	1	Y	-0.0868000
109	B	109	1	Y	-0.0868000
110	B	110	1	Y	-0.0868000
111	B	111	1	Y	-0.0868000
112	B	112	1	Y	-0.0868000
113	B	113	1	Y	-0.0868000
114	B	114	1	Y	-0.0868000
115	B	115	1	Y	-0.0868000
116	B	116	1	Y	-0.0868000
117	B	117	1	Y	-0.0868000
118	B	118	1	Y	-0.0868000
119	B	119	1	Y	-0.0868000
120	B	120	1	Y	-0.0868000
121	B	121	1	Y	-0.0868000
122	B	122	1	Y	-0.0868000
123	B	123	1	Y	-0.0868000
124	B	124	1	Y	-0.0868000
125	B	125	1	Y	-0.0868000
126	B	126	1	Y	-0.0868000
127	B	127	1	Y	-0.0868000
128	B	128	1	Y	-0.0868000
129	B	129	1	Y	-0.0868000
130	B	130	1	Y	-0.0868000
131	B	131	1	Y	-0.0868000
132	B	132	1	Y	-0.0868000
133	B	133	1	Y	-0.0868000
134	B	134	1	Y	-0.0868000
135	B	135	1	Y	-0.0868000
136	B	136	1	Y	-0.0868000
137	B	137	1	Y	-0.0868000
138	B	138	1	Y	-0.0868000
139	B	139	1	Y	-0.0868000
140	B	140	1	Y	-0.0868000
141	B	141	1	Y	-0.0868000
142	B	142	1	Y	-0.0868000
143	B	143	1	Y	-0.0868000
144	B	144	1	Y	-0.0868000
145	B	145	1	Y	-0.0868000
146	B	146	1	Y	-0.0868000
147	B	147	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
148	B	148	1	Y	-0.0868000
149	B	149	1	Y	-0.0868000
150	B	150	1	Y	-0.0868000
151	B	151	1	Y	-0.0868000
152	B	152	1	Y	-0.0868000
153	B	153	1	Y	-0.0868000
154	B	154	1	Y	-0.0868000
155	B	155	1	Y	-0.0868000
156	B	156	1	Y	-0.0868000
157	B	157	1	Y	-0.0868000
158	B	158	1	Y	-0.0868000
159	B	159	1	Y	-0.0868000
160	B	160	1	Y	-0.0868000
161	B	161	1	Y	-0.0868000
162	B	162	1	Y	-0.0868000
163	B	163	1	Y	-0.0868000
164	B	164	1	Y	-0.0868000
165	B	165	1	Y	-0.0868000
166	B	166	1	Y	-0.0868000
167	B	167	1	Y	-0.0868000
168	B	168	1	Y	-0.0868000
169	B	169	1	Y	-0.0868000
170	B	170	1	Y	-0.0868000
171	B	171	1	Y	-0.0868000
172	B	172	1	Y	-0.0868000
173	B	173	1	Y	-0.0868000
174	B	174	1	Y	-0.0868000
175	B	175	1	Y	-0.0868000
176	B	176	1	Y	-0.0868000
177	B	177	1	Y	-0.0868000
178	B	178	1	Y	-0.0868000
179	B	179	1	Y	-0.0868000
180	B	180	1	Y	-0.0868000
181	B	181	1	Y	-0.0868000
182	B	182	1	Y	-0.0868000
183	B	183	1	Y	-0.0868000
184	B	184	1	Y	-0.0868000
185	B	185	1	Y	-0.0868000
186	B	186	1	Y	-0.0868000
187	B	187	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
188	B	188	1	Y	-0.0868000
189	B	189	1	Y	-0.0868000
190	B	190	1	Y	-0.0868000
191	B	191	1	Y	-0.0868000
192	B	192	1	Y	-0.0868000
193	B	193	1	Y	-0.0868000
194	B	194	1	Y	-0.0868000
195	B	195	1	Y	-0.0868000
196	B	196	1	Y	-0.0868000
197	B	197	1	Y	-0.0868000
198	B	198	1	Y	-0.0868000
199	B	199	1	Y	-0.0868000
200	B	200	1	Y	-0.0868000
201	B	201	1	Y	-0.0868000
202	B	202	1	Y	-0.0868000
203	B	203	1	Y	-0.0868000
204	B	204	1	Y	-0.0868000
205	B	205	1	Y	-0.0868000
206	B	206	1	Y	-0.0868000
207	B	207	1	Y	-0.0868000
208	B	208	1	Y	-0.0868000
209	B	209	1	Y	-0.0868000
210	B	210	1	Y	-0.0868000
211	B	211	1	Y	-0.0868000
212	B	212	1	Y	-0.0868000
213	B	213	1	Y	-0.0868000
214	B	214	1	Y	-0.0868000
215	B	215	1	Y	-0.0868000
216	B	216	1	Y	-0.0868000
217	B	217	1	Y	-0.0868000
218	B	218	1	Y	-0.0868000
219	B	219	1	Y	-0.0868000
220	B	220	1	Y	-0.0868000
221	B	221	1	Y	-0.0868000
222	B	222	1	Y	-0.0868000
223	B	223	1	Y	-0.0868000
224	B	224	1	Y	-0.0868000
225	B	225	1	Y	-0.0868000
226	B	226	1	Y	-0.0868000
227	B	227	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
228	B	228	1	Y	-0.0868000
229	B	229	1	Y	-0.0868000
230	B	230	1	Y	-0.0868000
231	B	231	1	Y	-0.0868000
232	B	232	1	Y	-0.0868000
233	B	233	1	Y	-0.0868000
234	B	234	1	Y	-0.0868000
235	B	235	1	Y	-0.0868000
236	B	236	1	Y	-0.0868000
237	B	237	1	Y	-0.0868000
238	B	238	1	Y	-0.0868000
239	B	239	1	Y	-0.0868000
240	B	240	1	Y	-0.0868000
241	B	241	1	Y	-0.0868000
242	B	242	1	Y	-0.0868000
243	B	243	1	Y	-0.0868000
244	B	244	1	Y	-0.0868000
245	B	245	1	Y	-0.0868000
246	B	246	1	Y	-0.0868000
247	B	247	1	Y	-0.0868000
248	B	248	1	Y	-0.0868000
249	B	249	1	Y	-0.0868000
250	B	250	1	Y	-0.0868000
251	B	251	1	Y	-0.0868000
252	B	252	1	Y	-0.0868000
253	B	253	1	Y	-0.0868000
254	B	254	1	Y	-0.0868000
255	B	255	1	Y	-0.0868000
256	B	256	1	Y	-0.0868000
257	B	257	1	Y	-0.0868000
258	B	258	1	Y	-0.0868000
259	B	259	1	Y	-0.0868000
260	B	260	1	Y	-0.0868000
261	B	261	1	Y	-0.0868000
262	B	262	1	Y	-0.0868000
263	B	263	1	Y	-0.0868000
264	B	264	1	Y	-0.0868000
265	B	265	1	Y	-0.0868000
266	B	266	1	Y	-0.0868000
267	B	267	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
268	B	268	1	Y	-0.0868000
269	B	269	1	Y	-0.0868000
270	B	270	1	Y	-0.0868000
271	B	271	1	Y	-0.0868000
272	B	272	1	Y	-0.0868000
273	B	273	1	Y	-0.0868000
274	B	274	1	Y	-0.0868000
275	B	275	1	Y	-0.0868000
276	B	276	1	Y	-0.0868000
277	B	277	1	Y	-0.0868000
278	B	278	1	Y	-0.0868000
279	B	279	1	Y	-0.0868000
280	B	280	1	Y	-0.0868000
281	B	281	1	Y	-0.0868000
282	B	282	1	Y	-0.0868000
283	B	283	1	Y	-0.0868000
284	B	284	1	Y	-0.0868000
285	B	285	1	Y	-0.0868000
286	B	286	1	Y	-0.0868000
287	B	287	1	Y	-0.0868000
288	B	288	1	Y	-0.0868000
289	B	289	1	Y	-0.0868000
290	B	290	1	Y	-0.0868000
291	B	291	1	Y	-0.0868000
292	B	292	1	Y	-0.0868000
293	B	293	1	Y	-0.0868000
294	B	294	1	Y	-0.0868000
295	B	295	1	Y	-0.0868000
296	B	296	1	Y	-0.0868000
297	B	297	1	Y	-0.0868000
298	B	298	1	Y	-0.0868000
299	B	299	1	Y	-0.0868000
300	B	300	1	Y	-0.0868000
301	B	301	1	Y	-0.0868000
302	B	302	1	Y	-0.0868000
303	B	303	1	Y	-0.0868000
304	B	304	1	Y	-0.0868000
305	B	305	1	Y	-0.0868000
306	B	306	1	Y	-0.0868000
307	B	307	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
308	B	308	1	Y	-0.0868000
309	B	309	1	Y	-0.0868000
310	B	310	1	Y	-0.0868000
311	B	311	1	Y	-0.0868000
312	B	312	1	Y	-0.0868000
313	B	313	1	Y	-0.0868000
314	B	314	1	Y	-0.0868000
315	B	315	1	Y	-0.0868000
316	B	316	1	Y	-0.0868000
317	B	317	1	Y	-0.0868000
318	B	318	1	Y	-0.0868000
319	B	319	1	Y	-0.0868000
320	B	320	1	Y	-0.0868000
321	B	321	1	Y	-0.0868000
322	B	322	1	Y	-0.0868000
323	B	323	1	Y	-0.0868000
324	B	324	1	Y	-0.0868000
325	B	325	1	Y	-0.0868000
326	B	326	1	Y	-0.0868000
327	B	327	1	Y	-0.0868000
328	B	328	1	Y	-0.0868000
329	B	329	1	Y	-0.0868000
330	B	330	1	Y	-0.0868000
331	B	331	1	Y	-0.0868000
332	B	332	1	Y	-0.0868000
333	B	333	1	Y	-0.0868000
334	B	334	1	Y	-0.0868000
335	B	335	1	Y	-0.0868000
336	B	336	1	Y	-0.0868000
337	B	337	1	Y	-0.0868000
338	B	338	1	Y	-0.0868000
339	B	339	1	Y	-0.0868000
340	B	340	1	Y	-0.0868000
341	B	341	1	Y	-0.0868000
342	B	342	1	Y	-0.0868000
343	B	343	1	Y	-0.0868000
344	B	344	1	Y	-0.0868000
345	B	345	1	Y	-0.0868000
346	B	346	1	Y	-0.0868000
347	B	347	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
348	B	348	1	Y	-0.0868000
349	B	349	1	Y	-0.0868000
350	B	350	1	Y	-0.0868000
351	B	351	1	Y	-0.0868000
352	B	352	1	Y	-0.0868000
353	B	353	1	Y	-0.0868000
354	B	354	1	Y	-0.0868000
355	B	355	1	Y	-0.0868000
356	B	356	1	Y	-0.0868000
357	B	357	1	Y	-0.0868000
358	B	358	1	Y	-0.0868000
359	B	359	1	Y	-0.0868000
360	B	360	1	Y	-0.0868000
361	B	361	1	Y	-0.0868000
362	B	362	1	Y	-0.0868000
363	B	363	1	Y	-0.0868000
364	B	364	1	Y	-0.0868000
365	B	365	1	Y	-0.0868000
366	B	366	1	Y	-0.0868000
367	B	367	1	Y	-0.0868000
368	B	368	1	Y	-0.0868000
369	B	369	1	Y	-0.0868000
370	B	370	1	Y	-0.0868000
371	B	371	1	Y	-0.0868000
372	B	372	1	Y	-0.0868000
373	B	373	1	Y	-0.0868000
374	B	374	1	Y	-0.0868000
375	B	375	1	Y	-0.0868000
376	B	376	1	Y	-0.0868000
377	B	377	1	Y	-0.0868000
378	B	378	1	Y	-0.0868000
379	B	379	1	Y	-0.0868000
380	B	380	1	Y	-0.0868000
381	B	381	1	Y	-0.0868000
382	B	382	1	Y	-0.0868000
383	B	383	1	Y	-0.0868000
384	B	384	1	Y	-0.0868000
385	B	385	1	Y	-0.0868000
386	B	386	1	Y	-0.0868000
387	B	387	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
388	B	388	1	Y	-0.0868000
389	B	389	1	Y	-0.0868000
390	B	390	1	Y	-0.0868000
391	B	391	1	Y	-0.0868000
392	B	392	1	Y	-0.0868000
393	B	393	1	Y	-0.0868000
394	B	394	1	Y	-0.0868000
395	B	395	1	Y	-0.0868000
396	B	396	1	Y	-0.0868000
397	B	397	1	Y	-0.0868000
398	B	398	1	Y	-0.0868000
399	B	399	1	Y	-0.0868000
400	B	400	1	Y	-0.0868000
401	B	401	1	Y	-0.0868000
402	B	402	1	Y	-0.0868000
403	B	403	1	Y	-0.0868000
404	B	404	1	Y	-0.0868000
405	B	405	1	Y	-0.0868000
406	B	406	1	Y	-0.0868000
407	B	407	1	Y	-0.0868000
408	B	408	1	Y	-0.0868000
409	B	409	1	Y	-0.0868000
410	B	410	1	Y	-0.0868000
411	B	411	1	Y	-0.0868000
412	B	412	1	Y	-0.0868000
413	B	413	1	Y	-0.0868000
414	B	414	1	Y	-0.0868000
415	B	415	1	Y	-0.0868000
416	B	416	1	Y	-0.0868000
417	B	417	1	Y	-0.0868000
418	B	418	1	Y	-0.0868000
419	B	419	1	Y	-0.0868000
420	B	420	1	Y	-0.0868000
421	B	421	1	Y	-0.0868000
422	B	422	1	Y	-0.0868000
423	B	423	1	Y	-0.0868000
424	B	424	1	Y	-0.0868000
425	B	425	1	Y	-0.0868000
426	B	426	1	Y	-0.0868000
427	B	427	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
428	B	428	1	Y	-0.0868000
429	B	429	1	Y	-0.0868000
430	B	430	1	Y	-0.0868000
431	B	431	1	Y	-0.0868000
432	B	432	1	Y	-0.0868000
433	B	433	1	Y	-0.0868000
434	B	434	1	Y	-0.0868000
435	B	435	1	Y	-0.0868000
436	B	436	1	Y	-0.0868000
437	B	437	1	Y	-0.0868000
438	B	438	1	Y	-0.0868000
439	B	439	1	Y	-0.0868000
440	B	440	1	Y	-0.0868000
441	B	441	1	Y	-0.0868000
442	B	442	1	Y	-0.0868000
443	B	443	1	Y	-0.0868000
444	B	444	1	Y	-0.0868000
445	B	445	1	Y	-0.0868000
446	B	446	1	Y	-0.0868000
447	B	447	1	Y	-0.0868000
448	B	448	1	Y	-0.0868000
449	B	449	1	Y	-0.0868000
450	B	450	1	Y	-0.0868000
451	B	451	1	Y	-0.0868000
452	B	452	1	Y	-0.0868000
453	B	453	1	Y	-0.0868000
454	B	454	1	Y	-0.0868000
455	B	455	1	Y	-0.0868000
456	B	456	1	Y	-0.0868000
457	B	457	1	Y	-0.0868000
458	B	458	1	Y	-0.0868000
459	B	459	1	Y	-0.0868000
460	B	460	1	Y	-0.0868000
461	B	461	1	Y	-0.0868000
462	B	462	1	Y	-0.0868000
463	B	463	1	Y	-0.0868000
464	B	464	1	Y	-0.0868000
465	B	465	1	Y	-0.0868000
466	B	466	1	Y	-0.0868000
467	B	467	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
468	B	468	1	Y	-0.0868000
469	B	469	1	Y	-0.0868000
470	B	470	1	Y	-0.0868000
471	B	471	1	Y	-0.0868000
472	B	472	1	Y	-0.0868000
473	B	473	1	Y	-0.0868000
474	B	474	1	Y	-0.0868000
475	B	475	1	Y	-0.0868000
476	B	476	1	Y	-0.0868000
477	B	477	1	Y	-0.0868000
478	B	478	1	Y	-0.0868000
479	B	479	1	Y	-0.0868000
480	B	480	1	Y	-0.0868000
481	B	481	1	Y	-0.0868000
482	B	482	1	Y	-0.0868000
483	B	483	1	Y	-0.0868000
484	B	484	1	Y	-0.0868000
485	B	485	1	Y	-0.0868000
486	B	486	1	Y	-0.0868000
487	B	487	1	Y	-0.0868000
488	B	488	1	Y	-0.0868000
489	B	489	1	Y	-0.0868000
490	B	490	1	Y	-0.0868000
491	B	491	1	Y	-0.0868000
492	B	492	1	Y	-0.0868000
493	B	493	1	Y	-0.0868000
494	B	494	1	Y	-0.0868000
495	B	495	1	Y	-0.0868000
496	B	496	1	Y	-0.0868000
497	B	497	1	Y	-0.0868000
498	B	498	1	Y	-0.0868000
499	B	499	1	Y	-0.0868000
500	B	500	1	Y	-0.0868000
501	B	501	1	Y	-0.0868000
502	B	502	1	Y	-0.0868000
503	B	503	1	Y	-0.0868000
504	B	504	1	Y	-0.0868000
505	B	505	1	Y	-0.0868000
506	B	506	1	Y	-0.0868000
507	B	507	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
508	B	508	1	Y	-0.0868000
509	B	509	1	Y	-0.0868000
510	B	510	1	Y	-0.0868000
511	B	511	1	Y	-0.0868000
512	B	512	1	Y	-0.0868000
513	B	513	1	Y	-0.0868000
514	B	514	1	Y	-0.0868000
515	B	515	1	Y	-0.0868000
516	B	516	1	Y	-0.0868000
517	B	517	1	Y	-0.0868000
518	B	518	1	Y	-0.0868000
519	B	519	1	Y	-0.0868000
520	B	520	1	Y	-0.0868000
521	B	521	1	Y	-0.0868000
522	B	522	1	Y	-0.0868000
523	B	523	1	Y	-0.0868000
524	B	524	1	Y	-0.0868000
525	B	525	1	Y	-0.0868000
526	B	526	1	Y	-0.0868000
527	B	527	1	Y	-0.0868000
528	B	528	1	Y	-0.0868000
529	B	529	1	Y	-0.0868000
530	B	530	1	Y	-0.0868000
531	B	531	1	Y	-0.0868000
532	B	532	1	Y	-0.0868000
533	B	533	1	Y	-0.0868000
534	B	534	1	Y	-0.0868000
535	B	535	1	Y	-0.0868000
536	B	536	1	Y	-0.0868000
537	B	537	1	Y	-0.0868000
538	B	538	1	Y	-0.0868000
539	B	539	1	Y	-0.0868000
540	B	540	1	Y	-0.0868000
541	B	541	1	Y	-0.0868000
542	B	542	1	Y	-0.0868000
543	B	543	1	Y	-0.0868000
544	B	544	1	Y	-0.0868000
545	B	545	1	Y	-0.0868000
546	B	546	1	Y	-0.0868000
547	B	547	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
548	B	548	1	Y	-0.0868000
549	B	549	1	Y	-0.0868000
550	B	550	1	Y	-0.0868000
551	B	551	1	Y	-0.0868000
552	B	552	1	Y	-0.0868000
553	B	553	1	Y	-0.0868000
554	B	554	1	Y	-0.0868000
555	B	555	1	Y	-0.0868000
556	B	556	1	Y	-0.0868000
557	B	557	1	Y	-0.0868000
558	B	558	1	Y	-0.0868000
559	B	559	1	Y	-0.0868000
560	B	560	1	Y	-0.0868000
561	B	561	1	Y	-0.0868000
562	B	562	1	Y	-0.0868000
563	B	563	1	Y	-0.0868000
564	B	564	1	Y	-0.0868000
565	B	565	1	Y	-0.0868000
566	B	566	1	Y	-0.0868000
567	B	567	1	Y	-0.0868000
568	B	568	1	Y	-0.0868000
569	B	569	1	Y	-0.0868000
570	B	570	1	Y	-0.0868000
571	B	571	1	Y	-0.0868000
572	B	572	1	Y	-0.0868000
573	B	573	1	Y	-0.0868000
574	B	574	1	Y	-0.0868000
575	B	575	1	Y	-0.0868000
576	B	576	1	Y	-0.0868000
577	B	577	1	Y	-0.0868000
578	B	578	1	Y	-0.0868000
579	B	579	1	Y	-0.0868000
580	B	580	1	Y	-0.0868000
581	B	581	1	Y	-0.0868000
582	B	582	1	Y	-0.0868000
583	B	583	1	Y	-0.0868000
584	B	584	1	Y	-0.0868000
585	B	585	1	Y	-0.0868000
586	B	586	1	Y	-0.0868000
587	B	587	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
588	B	588	1	Y	-0.0868000
589	B	589	1	Y	-0.0868000
590	B	590	1	Y	-0.0868000
591	B	591	1	Y	-0.0868000
592	B	592	1	Y	-0.0868000
593	B	593	1	Y	-0.0868000
594	B	594	1	Y	-0.0868000
595	B	595	1	Y	-0.0868000
596	B	596	1	Y	-0.0868000
597	B	597	1	Y	-0.0868000
598	B	598	1	Y	-0.0868000
599	B	599	1	Y	-0.0868000
600	B	600	1	Y	-0.0868000
601	B	601	1	Y	-0.0868000
602	B	602	1	Y	-0.0868000
603	B	603	1	Y	-0.0868000
604	B	604	1	Y	-0.0868000
605	B	605	1	Y	-0.0868000
606	B	606	1	Y	-0.0868000
607	B	607	1	Y	-0.0868000
608	B	608	1	Y	-0.0868000
609	B	609	1	Y	-0.0868000
610	B	610	1	Y	-0.0868000
611	B	611	1	Y	-0.0868000
612	B	612	1	Y	-0.0868000
613	B	613	1	Y	-0.0868000
614	B	614	1	Y	-0.0868000
615	B	615	1	Y	-0.0868000
616	B	616	1	Y	-0.0868000
617	B	617	1	Y	-0.0868000
618	B	618	1	Y	-0.0868000
619	B	619	1	Y	-0.0868000
620	B	620	1	Y	-0.0868000
621	B	621	1	Y	-0.0868000
622	B	622	1	Y	-0.0868000
623	B	623	1	Y	-0.0868000
624	B	624	1	Y	-0.0868000
625	B	625	1	Y	-0.0868000
626	B	626	1	Y	-0.0868000
627	B	627	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
628	B	628	1	Y	-0.0868000
629	B	629	1	Y	-0.0868000
630	B	630	1	Y	-0.0868000
631	B	631	1	Y	-0.0868000
632	B	632	1	Y	-0.0868000
633	B	633	1	Y	-0.0868000
634	B	634	1	Y	-0.0868000
635	B	635	1	Y	-0.0868000
636	B	636	1	Y	-0.0868000
637	B	637	1	Y	-0.0868000
638	B	638	1	Y	-0.0868000
639	B	639	1	Y	-0.0868000
640	B	640	1	Y	-0.0868000
641	B	641	1	Y	-0.0868000
642	B	642	1	Y	-0.0868000
643	B	643	1	Y	-0.0868000
644	B	644	1	Y	-0.0868000
645	B	645	1	Y	-0.0868000
646	B	646	1	Y	-0.0868000
647	B	647	1	Y	-0.0868000
648	B	648	1	Y	-0.0868000
649	B	649	1	Y	-0.0868000
650	B	650	1	Y	-0.0868000
651	B	651	1	Y	-0.0868000
652	B	652	1	Y	-0.0868000
653	B	653	1	Y	-0.0868000
654	B	654	1	Y	-0.0868000
655	B	655	1	Y	-0.0868000
656	B	656	1	Y	-0.0868000
657	B	657	1	Y	-0.0868000
658	B	658	1	Y	-0.0868000
659	B	659	1	Y	-0.0868000
660	B	660	1	Y	-0.0868000
661	B	661	1	Y	-0.0868000
662	B	662	1	Y	-0.0868000
663	B	663	1	Y	-0.0868000
664	B	664	1	Y	-0.0868000
665	B	665	1	Y	-0.0868000
666	B	666	1	Y	-0.0868000
667	B	667	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
668	B	668	1	Y	-0.0868000
669	B	669	1	Y	-0.0868000
670	B	670	1	Y	-0.0868000
671	B	671	1	Y	-0.0868000
672	B	672	1	Y	-0.0868000
673	B	673	1	Y	-0.0868000
674	B	674	1	Y	-0.0868000
675	B	675	1	Y	-0.0868000
676	B	676	1	Y	-0.0868000
677	B	677	1	Y	-0.0868000
678	B	678	1	Y	-0.0868000
679	B	679	1	Y	-0.0868000
680	B	680	1	Y	-0.0868000
681	B	681	1	Y	-0.0868000
682	B	682	1	Y	-0.0868000
683	B	683	1	Y	-0.0868000
684	B	684	1	Y	-0.0868000
685	B	685	1	Y	-0.0868000
686	B	686	1	Y	-0.0868000
687	B	687	1	Y	-0.0868000
688	B	688	1	Y	-0.0868000
689	B	689	1	Y	-0.0868000
690	B	690	1	Y	-0.0868000
691	B	691	1	Y	-0.0868000
692	B	692	1	Y	-0.0868000
693	B	693	1	Y	-0.0868000
694	B	694	1	Y	-0.0868000
695	B	695	1	Y	-0.0868000
696	B	696	1	Y	-0.0868000
697	B	697	1	Y	-0.0868000
698	B	698	1	Y	-0.0868000
699	B	699	1	Y	-0.0868000
700	B	700	1	Y	-0.0868000
701	B	701	1	Y	-0.0868000
702	B	702	1	Y	-0.0868000
703	B	703	1	Y	-0.0868000
704	B	704	1	Y	-0.0868000
705	B	705	1	Y	-0.0868000
706	B	706	1	Y	-0.0868000
707	B	707	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
708	B	708	1	Y	-0.0868000
709	B	709	1	Y	-0.0868000
710	B	710	1	Y	-0.0868000
711	B	711	1	Y	-0.0868000
712	B	712	1	Y	-0.0868000
713	B	713	1	Y	-0.0868000
714	B	714	1	Y	-0.0868000
715	B	715	1	Y	-0.0868000
716	B	716	1	Y	-0.0868000
717	B	717	1	Y	-0.0868000
718	B	718	1	Y	-0.0868000
719	B	719	1	Y	-0.0868000
720	B	720	1	Y	-0.0868000
721	B	721	1	Y	-0.0868000
722	B	722	1	Y	-0.0868000
723	B	723	1	Y	-0.0868000
724	B	724	1	Y	-0.0868000
725	B	725	1	Y	-0.0868000
726	B	726	1	Y	-0.0868000
727	B	727	1	Y	-0.0868000
728	B	728	1	Y	-0.0868000
729	B	729	1	Y	-0.0868000
730	B	730	1	Y	-0.0868000
731	B	731	1	Y	-0.0868000
732	B	732	1	Y	-0.0868000
733	B	733	1	Y	-0.0868000
734	B	734	1	Y	-0.0868000
735	B	735	1	Y	-0.0868000
736	B	736	1	Y	-0.0868000
737	B	737	1	Y	-0.0868000
738	B	738	1	Y	-0.0868000
739	B	739	1	Y	-0.0868000
740	B	740	1	Y	-0.0868000
741	B	741	1	Y	-0.0868000
742	B	742	1	Y	-0.0868000
743	B	743	1	Y	-0.0868000
744	B	744	1	Y	-0.0868000
745	B	745	1	Y	-0.0868000
746	B	746	1	Y	-0.0868000
747	B	747	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
748	B	748	1	Y	-0.0868000
749	B	749	1	Y	-0.0868000
750	B	750	1	Y	-0.0868000
751	B	751	1	Y	-0.0868000
752	B	752	1	Y	-0.0868000
753	B	753	1	Y	-0.0868000
754	B	754	1	Y	-0.0868000
755	B	755	1	Y	-0.0868000
756	B	756	1	Y	-0.0868000
757	B	757	1	Y	-0.0868000
758	B	758	1	Y	-0.0868000
759	B	759	1	Y	-0.0868000
760	B	760	1	Y	-0.0868000
761	B	761	1	Y	-0.0868000
762	B	762	1	Y	-0.0868000
763	B	763	1	Y	-0.0868000
764	B	764	1	Y	-0.0868000
765	B	765	1	Y	-0.0868000
766	B	766	1	Y	-0.0868000
767	B	767	1	Y	-0.0868000
768	B	768	1	Y	-0.0868000
769	B	769	1	Y	-0.0868000
770	B	770	1	Y	-0.0868000
771	B	771	1	Y	-0.0868000
772	B	772	1	Y	-0.0868000
773	B	773	1	Y	-0.0868000
774	B	774	1	Y	-0.0868000
775	B	775	1	Y	-0.0868000
776	B	776	1	Y	-0.0868000
777	B	777	1	Y	-0.0868000
778	B	778	1	Y	-0.0868000
779	B	779	1	Y	-0.0868000
780	B	780	1	Y	-0.0868000
781	B	781	1	Y	-0.0868000
782	B	782	1	Y	-0.0868000
783	B	783	1	Y	-0.0868000
784	B	784	1	Y	-0.0868000
785	B	785	1	Y	-0.0868000
786	B	786	1	Y	-0.0868000
787	B	787	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
788	B	788	1	Y	-0.0868000
789	B	789	1	Y	-0.0868000
790	B	790	1	Y	-0.0868000
791	B	791	1	Y	-0.0868000
792	B	792	1	Y	-0.0868000
793	B	793	1	Y	-0.0868000
794	B	794	1	Y	-0.0868000
795	B	795	1	Y	-0.0868000
796	B	796	1	Y	-0.0868000
797	B	797	1	Y	-0.0868000
798	B	798	1	Y	-0.0868000
799	B	799	1	Y	-0.0868000
800	B	800	1	Y	-0.0868000
801	B	801	1	Y	-0.0868000
802	B	802	1	Y	-0.0868000
803	B	803	1	Y	-0.0868000
804	B	804	1	Y	-0.0868000
805	B	805	1	Y	-0.0868000
806	B	806	1	Y	-0.0868000
807	B	807	1	Y	-0.0868000
808	B	808	1	Y	-0.0868000
809	B	809	1	Y	-0.0868000
810	B	810	1	Y	-0.0868000
811	B	811	1	Y	-0.0868000
812	B	812	1	Y	-0.0868000
813	B	813	1	Y	-0.0868000
814	B	814	1	Y	-0.0868000
815	B	815	1	Y	-0.0868000
816	B	816	1	Y	-0.0868000
817	B	817	1	Y	-0.0868000
818	B	818	1	Y	-0.0868000
819	B	819	1	Y	-0.0868000
820	B	820	1	Y	-0.0868000
821	B	821	1	Y	-0.0868000
822	B	822	1	Y	-0.0868000
823	B	823	1	Y	-0.0868000
824	B	824	1	Y	-0.0868000
825	B	825	1	Y	-0.0868000
826	B	826	1	Y	-0.0868000
827	B	827	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
828	B	828	1	Y	-0.0868000
829	B	829	1	Y	-0.0868000
830	B	830	1	Y	-0.0868000
831	B	831	1	Y	-0.0868000
832	B	832	1	Y	-0.0868000
833	B	833	1	Y	-0.0868000
834	B	834	1	Y	-0.0868000
835	B	835	1	Y	-0.0868000
836	B	836	1	Y	-0.0868000
837	B	837	1	Y	-0.0868000
838	B	838	1	Y	-0.0868000
839	B	839	1	Y	-0.0868000
840	B	840	1	Y	-0.0868000
841	B	841	1	Y	-0.0868000
842	B	842	1	Y	-0.0868000
843	B	843	1	Y	-0.0868000
844	B	844	1	Y	-0.0868000
845	B	845	1	Y	-0.0868000
846	B	846	1	Y	-0.0868000
847	B	847	1	Y	-0.0868000
848	B	848	1	Y	-0.0868000
849	B	849	1	Y	-0.0868000
850	B	850	1	Y	-0.0868000
851	B	851	1	Y	-0.0868000
852	B	852	1	Y	-0.0868000
853	B	853	1	Y	-0.0868000
854	B	854	1	Y	-0.0868000
855	B	855	1	Y	-0.0868000
856	B	856	1	Y	-0.0868000
857	B	857	1	Y	-0.0868000
858	B	858	1	Y	-0.0868000
859	B	859	1	Y	-0.0868000
860	B	860	1	Y	-0.0868000
861	B	861	1	Y	-0.0868000
862	B	862	1	Y	-0.0868000
863	B	863	1	Y	-0.0868000
864	B	864	1	Y	-0.0868000
865	B	865	1	Y	-0.0868000
866	B	866	1	Y	-0.0868000
867	B	867	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
868	B	868	1	Y	-0.0868000
869	B	869	1	Y	-0.0868000
870	B	870	1	Y	-0.0868000
871	B	871	1	Y	-0.0868000
872	B	872	1	Y	-0.0868000
873	B	873	1	Y	-0.0868000
874	B	874	1	Y	-0.0868000
875	B	875	1	Y	-0.0868000
876	B	876	1	Y	-0.0868000
877	B	877	1	Y	-0.0868000
878	B	878	1	Y	-0.0868000
879	B	879	1	Y	-0.0868000
880	B	880	1	Y	-0.0868000
881	B	881	1	Y	-0.0868000
882	B	882	1	Y	-0.0868000
883	B	883	1	Y	-0.0868000
884	B	884	1	Y	-0.0868000
885	B	885	1	Y	-0.0868000
886	B	886	1	Y	-0.0868000
887	B	887	1	Y	-0.0868000
888	B	888	1	Y	-0.0868000
889	B	889	1	Y	-0.0868000
890	B	890	1	Y	-0.0868000
891	B	891	1	Y	-0.0868000
892	B	892	1	Y	-0.0868000
893	B	893	1	Y	-0.0868000
894	B	894	1	Y	-0.0868000
895	B	895	1	Y	-0.0868000
896	B	896	1	Y	-0.0868000
897	B	897	1	Y	-0.0868000
898	B	898	1	Y	-0.0868000
899	B	899	1	Y	-0.0868000
900	B	900	1	Y	-0.0868000
901	B	901	1	Y	-0.0868000
902	B	902	1	Y	-0.0868000
903	B	903	1	Y	-0.0868000
904	B	904	1	Y	-0.0868000
905	B	905	1	Y	-0.0868000
906	B	906	1	Y	-0.0868000
907	B	907	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
908	B	908	1	Y	-0.0868000
909	B	909	1	Y	-0.0868000
910	B	910	1	Y	-0.0868000
911	B	911	1	Y	-0.0868000
912	B	912	1	Y	-0.0868000
913	B	913	1	Y	-0.0868000
914	B	914	1	Y	-0.0868000
915	B	915	1	Y	-0.0868000
916	B	916	1	Y	-0.0868000
917	B	917	1	Y	-0.0868000
918	B	918	1	Y	-0.0868000
919	B	919	1	Y	-0.0868000
920	B	920	1	Y	-0.0868000
921	B	921	1	Y	-0.0868000
922	B	922	1	Y	-0.0868000
923	B	923	1	Y	-0.0868000
924	B	924	1	Y	-0.0868000
925	B	925	1	Y	-0.0868000
926	B	926	1	Y	-0.0868000
927	B	927	1	Y	-0.0868000
928	B	928	1	Y	-0.0868000
929	B	929	1	Y	-0.0868000
930	B	930	1	Y	-0.0868000
931	B	931	1	Y	-0.0868000
932	B	932	1	Y	-0.0868000
933	B	933	1	Y	-0.0868000
934	B	934	1	Y	-0.0868000
935	B	935	1	Y	-0.0868000
936	B	936	1	Y	-0.0868000
937	B	937	1	Y	-0.0868000
938	B	938	1	Y	-0.0868000
939	B	939	1	Y	-0.0868000
940	B	940	1	Y	-0.0868000
941	B	941	1	Y	-0.0868000
942	B	942	1	Y	-0.0868000
943	B	943	1	Y	-0.0868000
944	B	944	1	Y	-0.0868000
945	B	945	1	Y	-0.0868000
946	B	946	1	Y	-0.0868000
947	B	947	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
948	B	948	1	Y	-0.0868000
949	B	949	1	Y	-0.0868000
950	B	950	1	Y	-0.0868000
951	B	951	1	Y	-0.0868000
952	B	952	1	Y	-0.0868000
953	B	953	1	Y	-0.0868000
954	B	954	1	Y	-0.0868000
955	B	955	1	Y	-0.0868000
956	B	956	1	Y	-0.0868000
957	B	957	1	Y	-0.0868000
958	B	958	1	Y	-0.0868000
959	B	959	1	Y	-0.0868000
960	B	960	1	Y	-0.0868000
961	B	961	1	Y	-0.0868000
962	B	962	1	Y	-0.0868000
963	B	963	1	Y	-0.0868000
964	B	964	1	Y	-0.0868000
965	B	965	1	Y	-0.0868000
966	B	966	1	Y	-0.0868000
967	B	967	1	Y	-0.0868000
968	B	968	1	Y	-0.0868000
969	B	969	1	Y	-0.0868000
970	B	970	1	Y	-0.0868000
971	B	971	1	Y	-0.0868000
972	B	972	1	Y	-0.0868000
973	B	973	1	Y	-0.0868000
974	B	974	1	Y	-0.0868000
975	B	975	1	Y	-0.0868000
976	B	976	1	Y	-0.0868000
977	B	977	1	Y	-0.0868000
978	B	978	1	Y	-0.0868000
979	B	979	1	Y	-0.0868000
980	B	980	1	Y	-0.0868000
981	B	981	1	Y	-0.0868000
982	B	982	1	Y	-0.0868000
983	B	983	1	Y	-0.0868000
984	B	984	1	Y	-0.0868000
985	B	985	1	Y	-0.0868000
986	B	986	1	Y	-0.0868000
987	B	987	1	Y	-0.0868000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
988	B	988	1	Y	-0.0868000
989	B	989	1	Y	-0.0868000
990	B	990	1	Y	-0.0868000
991	B	991	1	Y	-0.0868000
992	B	992	1	Y	-0.0868000
993	B	993	1	Y	-0.0868000
994	B	994	1	Y	-0.0868000
995	B	995	1	Y	-0.0868000
996	B	996	1	Y	-0.0868000
997	B	997	1	Y	-0.0868000
998	B	998	1	Y	-0.0868000
999	B	999	1	Y	-0.0868000
1000	B	1000	1	Y	-0.0868000
1001	N	261	1	X	-153,210.0000000
1002	N	266	1	X	-304,500.0000000
1003	N	271	1	X	-300,670.0000000
1004	N	276	1	X	-291,100.0000000
1005	N	281	1	X	-281,520.0000000
1006	N	286	1	X	-277,690.0000000
1007	N	291	1	X	-268,120.0000000
1008	N	296	1	X	-268,290.0000000
1009	N	301	1	X	-260,280.0000000
1010	N	306	1	X	-252,280.0000000
1011	N	311	1	X	-244,260.0000000
1012	N	316	1	X	-236,250.0000000
1013	N	321	1	X	-224,250.0000000
1014	N	326	1	X	-214,230.0000000
1015	N	331	1	X	-210,220.0000000
1016	N	336	1	X	-200,200.0000000
1017	N	341	1	X	-190,200.0000000
1018	N	346	1	X	-186,210.0000000
1019	N	351	1	X	-176,200.0000000
1020	N	356	1	X	-164,170.0000000
1021	N	361	1	X	-156,160.0000000
1022	N	366	1	X	-148,150.0000000
1023	N	371	1	X	-140,150.0000000
1024	N	376	1	X	-132,130.0000000
1025	N	381	1	X	-124,120.0000000
1026	N	386	1	X	-116,120.0000000
1027	N	391	1	X	-108,110.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
1028	N	396	1	X	-96,106.0000000
1029	N	401	1	X	-86,095.0000000
1030	N	406	1	X	-82,089.0000000
1031	N	411	1	X	-72,081.0000000
1032	N	416	1	X	-64,075.0000000
1033	N	421	1	X	-69,648.0000000
1034	N	426	1	X	-69,648.0000000
1035	N	431	1	X	-69,648.0000000
1036	N	436	1	X	-69,648.0000000
1037	N	441	1	X	-69,648.0000000
1038	N	446	1	X	-69,648.0000000
1039	N	451	1	X	-338,410.0000000
1040	N	456	1	X	-455,380.0000000
1041	N	461	1	X	-303,580.0000000
1042	N	466	1	X	-151,800.0000000
1043	N	259	1	Y	1,456,000.0000000
1044	N	229	1	Y	1,456,000.0000000
1045	N	260	1	Y	1,456,000.0000000
1046	N	463	1	Y	-1,456,000.0000000
1047	N	464	1	Y	-1,456,000.0000000
1048	N	465	1	Y	-1,456,000.0000000
1049	N	692	1	Y	-1.6400000
1050	N	689	1	Y	-13.0900000
1051	N	686	1	Y	-26.1800000
1052	N	683	1	Y	-39.2700000
1053	N	680	1	Y	-52.3500000
1054	N	677	1	Y	-65.4500000
1055	N	674	1	Y	-89.2800000
1056	N	671	1	Y	-118.6200000
1057	N	668	1	Y	-139.0800000
1058	N	665	1	Y	-159.0800000
1059	N	662	1	Y	-179.9800000
1060	N	659	1	Y	-200.4400000
1061	N	656	1	Y	-220.8900000
1062	N	653	1	Y	-241.3500000
1063	N	650	1	Y	-256.1000000
1064	N	647	1	Y	-235.2000000
1065	N	644	1	Y	-208.0700000
1066	N	641	1	Y	-215.4400000
1067	N	638	1	Y	-229.0700000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
1068	N	635	1	Y	-242.7100000
1069	N	632	1	Y	-256.3400000
1070	N	629	1	Y	-269.9800000
1071	N	626	1	Y	-283.6200000
1072	N	623	1	Y	-327.7300000
1073	N	620	1	Y	-376.3400000
1074	N	617	1	Y	-395.9700000
1075	N	614	1	Y	-415.6100000
1076	N	611	1	Y	-435.2400000
1077	N	608	1	Y	-454.8700000
1078	N	605	1	Y	-474.5100000
1079	N	602	1	Y	-494.1500000
1080	N	599	1	Y	-513.7800000
1081	N	596	1	Y	-533.4200000
1082	N	593	1	Y	-553.0500000
1083	N	590	1	Y	-572.6900000
1084	N	587	1	Y	-592.3200000
1085	N	584	1	Y	-592.7600000
1086	N	581	1	Y	-473.6900000
1087	N	578	1	Y	-373.0700000
1088	N	575	1	Y	-393.5600000
1089	N	572	1	Y	-406.9300000
1090	N	569	1	Y	-420.3100000
1091	N	566	1	Y	-433.6800000
1092	N	563	1	Y	-447.0500000
1093	N	560	1	Y	-460.4300000
1094	N	557	1	Y	-508.1500000
1095	N	554	1	Y	-558.9500000
1096	N	551	1	Y	-576.4200000
1097	N	548	1	Y	-593.8700000
1098	N	545	1	Y	-611.3500000
1099	N	542	1	Y	-628.8200000
1100	N	539	1	Y	-646.2900000
1101	N	536	1	Y	-663.7600000
1102	N	533	1	Y	-681.2200000
1103	N	530	1	Y	-654.2100000
1104	N	527	1	Y	-357.5600000
1105	N	524	1	Y	-45.8100000
1106	N	589	1	Y	-10,226.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
1	N	466	2	Y	-409.0000000
2	N	465	2	Y	-849.0000000
3	N	464	2	Y	-845.0000000
4	N	463	2	Y	-841.0000000
5	N	462	2	Y	-1,676.0000000
6	N	469	2	Y	-2,482.0000000
7	N	472	2	Y	-2,450.0000000
8	N	475	2	Y	-2,419.0000000
9	N	478	2	Y	-2,388.0000000
10	N	481	2	Y	-2,356.0000000
11	N	484	2	Y	-2,325.0000000
12	N	487	2	Y	-2,293.0000000
13	N	490	2	Y	-3,016.0000000
14	N	493	2	Y	-2,960.0000000
15	N	496	2	Y	-2,904.0000000
16	N	499	2	Y	-2,848.0000000
17	N	502	2	Y	-2,793.0000000
18	N	505	2	Y	-2,737.0000000
19	N	508	2	Y	-2,681.0000000
20	N	511	2	Y	-2,625.0000000
21	N	514	2	Y	-2,569.0000000
22	N	517	2	Y	-2,513.0000000
23	N	520	2	Y	-2,457.0000000
24	N	523	2	Y	-2,402.0000000
25	N	526	2	Y	-2,346.0000000
26	N	529	2	Y	-2,290.0000000
27	N	532	2	Y	-2,234.0000000
28	N	535	2	Y	-2,178.0000000
29	N	538	2	Y	-2,122.0000000
30	N	541	2	Y	-2,066.0000000
31	N	544	2	Y	-2,011.0000000
32	N	547	2	Y	-1,955.0000000
33	N	550	2	Y	-1,899.0000000
34	N	553	2	Y	-1,843.0000000
35	N	556	2	Y	-1,787.0000000
36	N	559	2	Y	-1,614.0000000
37	N	562	2	Y	-1,464.0000000
38	N	565	2	Y	-1,421.0000000
39	N	568	2	Y	-1,379.0000000
40	N	571	2	Y	-1,336.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
41	N	574	2	Y	-1,294.0000000
42	N	577	2	Y	-1,251.0000000
43	N	580	2	Y	-1,058.0000000
44	N	583	2	Y	-1,011.0000000
45	N	586	2	Y	-979.0000000
46	N	589	2	Y	-948.0000000
47	N	589	2	Y	-14,137.0000000
1	N	3	3	Y	-246.4700000
2	N	6	3	Y	-1,585.2000000
3	N	9	3	Y	-2,865.9000000
4	N	12	3	Y	-4,138.2000000
5	N	15	3	Y	-5,412.7000000
6	N	18	3	Y	-6,684.9000000
7	N	21	3	Y	-7,959.4000000
8	N	24	3	Y	-9,231.7000000
9	N	27	3	Y	-10,503.0000000
10	N	30	3	Y	-11,778.0000000
11	N	33	3	Y	-13,050.0000000
12	N	36	3	Y	-14,325.0000000
13	N	39	3	Y	-15,599.0000000
14	N	42	3	Y	-16,872.0000000
15	N	45	3	Y	-18,146.0000000
16	N	48	3	Y	-19,425.0000000
17	N	51	3	Y	-20,686.0000000
18	N	54	3	Y	-21,965.0000000
19	N	57	3	Y	-23,244.0000000
20	N	60	3	Y	-24,503.0000000
21	N	63	3	Y	-25,782.0000000
22	N	66	3	Y	-27,061.0000000
23	N	69	3	Y	-28,340.0000000
24	N	72	3	Y	-29,601.0000000
25	N	75	3	Y	-30,878.0000000
26	N	78	3	Y	-32,157.0000000
27	N	81	3	Y	-33,417.0000000
28	N	84	3	Y	-34,697.0000000
29	N	87	3	Y	-35,976.0000000
30	N	90	3	Y	-37,234.0000000
31	N	93	3	Y	-38,513.0000000
32	N	96	3	Y	-39,792.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
33	N	99	3	Y	-41,065.0000000
34	N	102	3	Y	-42,332.0000000
35	N	105	3	Y	-43,609.0000000
36	N	108	3	Y	-44,888.0000000
37	N	111	3	Y	-46,167.0000000
38	N	114	3	Y	-47,446.0000000
39	N	117	3	Y	-48,707.0000000
40	N	120	3	Y	-49,986.0000000
41	N	123	3	Y	-51,252.0000000
42	N	126	3	Y	-52,524.0000000
43	N	129	3	Y	-53,803.0000000
44	N	132	3	Y	-55,082.0000000
45	N	135	3	Y	-56,341.0000000
46	N	138	3	Y	-57,620.0000000
47	N	141	3	Y	-58,899.0000000
48	N	144	3	Y	-60,160.0000000
49	N	147	3	Y	-61,439.0000000
50	N	150	3	Y	-62,715.0000000
51	N	153	3	Y	-63,976.0000000
52	N	156	3	Y	-65,255.0000000
53	N	159	3	Y	-66,534.0000000
54	N	162	3	Y	-67,814.0000000
55	N	165	3	Y	-60,440.0000000
56	N	169	3	Y	-52,524.0000000
57	N	174	3	Y	-53,238.0000000
58	N	180	3	Y	-53,953.0000000
59	N	187	3	Y	-54,667.0000000
60	N	194	3	Y	-55,383.0000000
61	N	201	3	Y	-51,434.0000000
62	N	208	3	Y	-47,633.0000000
63	N	215	3	Y	-33,374.0000000
64	N	258	3	X	38,242.0000000
65	N	262	3	X	76,542.0000000
66	N	267	3	X	76,542.0000000
67	N	272	3	X	76,462.0000000
68	N	277	3	X	76,462.0000000
69	N	282	3	X	76,462.0000000
70	N	287	3	X	76,462.0000000
71	N	292	3	X	76,462.0000000
72	N	297	3	X	76,462.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
73	N	302	3	X	76,462.0000000
74	N	307	3	X	76,462.0000000
75	N	312	3	X	76,462.0000000
76	N	317	3	X	76,462.0000000
77	N	322	3	X	76,462.0000000
78	N	327	3	X	76,462.0000000
79	N	332	3	X	76,462.0000000
80	N	337	3	X	76,462.0000000
81	N	342	3	X	76,462.0000000
82	N	347	3	X	76,462.0000000
83	N	352	3	X	76,462.0000000
84	N	357	3	X	76,462.0000000
85	N	362	3	X	76,462.0000000
86	N	367	3	X	76,462.0000000
87	N	372	3	X	76,462.0000000
88	N	377	3	X	76,462.0000000
89	N	382	3	X	76,462.0000000
90	N	387	3	X	76,462.0000000
91	N	392	3	X	76,462.0000000
92	N	397	3	X	76,462.0000000
93	N	402	3	X	76,462.0000000
94	N	407	3	X	76,462.0000000
95	N	412	3	X	31,832.0000000
96	N	417	3	X	25,462.0000000
97	N	422	3	X	19,081.0000000
98	N	427	3	X	12,718.0000000
99	N	432	3	X	9,540.8000000
1	N	589	4	Y	-47.3900000
2	N	586	4	Y	-48.9600000
3	N	583	4	Y	-50.5300000
4	N	580	4	Y	-56.5100000
5	N	577	4	Y	-62.9200000
6	N	574	4	Y	-65.0600000
7	N	571	4	Y	-67.2000000
8	N	568	4	Y	-69.3300000
9	N	565	4	Y	-71.4700000
10	N	562	4	Y	-73.6000000
11	N	559	4	Y	-81.2400000
12	N	556	4	Y	-89.3600000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
13	N	553	4	Y	-92.1500000
14	N	550	4	Y	-94.9500000
15	N	547	4	Y	-97.7400000
16	N	544	4	Y	-100.5300000
17	N	541	4	Y	-103.3200000
18	N	538	4	Y	-106.1200000
19	N	535	4	Y	-108.9100000
20	N	532	4	Y	-111.7000000
21	N	529	4	Y	-114.4900000
22	N	526	4	Y	-117.2200000
23	N	523	4	Y	-120.0800000
24	N	520	4	Y	-122.8700000
25	N	517	4	Y	-125.6600000
26	N	514	4	Y	-128.4600000
27	N	511	4	Y	-131.2500000
28	N	508	4	Y	-134.0400000
29	N	505	4	Y	-136.8300000
30	N	502	4	Y	-138.2300000
31	N	499	4	Y	-142.4200000
32	N	496	4	Y	-145.2100000
33	N	493	4	Y	-148.0000000
34	N	490	4	Y	-131.7900000
35	N	487	4	Y	-114.6700000
36	N	484	4	Y	-116.2400000
37	N	481	4	Y	-117.8100000
38	N	478	4	Y	-119.3800000
39	N	475	4	Y	-120.9600000
40	N	472	4	Y	-122.5200000
41	N	469	4	Y	-124.0900000
42	N	462	4	Y	-63.1600000
43	N	463	4	Y	-42.0600000
44	N	464	4	Y	-42.2400000
45	N	465	4	Y	-42.4100000
46	N	466	4	Y	-42.5000000
1	N	3	5	Y	-1,081.0000000
2	N	6	5	Y	-6,953.0000000
3	N	9	5	Y	-12,570.0000000
4	N	12	5	Y	-18,150.0000000
5	N	15	5	Y	-23,740.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
6	N	18	5	Y	-29,320.0000000
7	N	21	5	Y	-34,910.0000000
8	N	24	5	Y	-40,490.0000000
9	N	27	5	Y	-46,070.0000000
10	N	30	5	Y	-51,660.0000000
11	N	33	5	Y	-57,240.0000000
12	N	36	5	Y	-62,830.0000000
13	N	39	5	Y	-68,420.0000000
14	N	42	5	Y	-74,000.0000000
15	N	45	5	Y	-79,590.0000000
16	N	48	5	Y	-85,200.0000000
17	N	51	5	Y	-90,730.0000000
18	N	54	5	Y	-96,340.0000000
19	N	57	5	Y	-101,950.0000000
20	N	60	5	Y	-107,470.0000000
21	N	63	5	Y	-113,080.0000000
22	N	66	5	Y	-118,690.0000000
23	N	69	5	Y	-124,300.0000000
24	N	72	5	Y	-129,830.0000000
25	N	75	5	Y	-135,430.0000000
26	N	78	5	Y	-141,040.0000000
27	N	81	5	Y	-146,570.0000000
28	N	84	5	Y	-152,180.0000000
29	N	87	5	Y	-157,790.0000000
30	N	90	5	Y	-163,310.0000000
31	N	93	5	Y	-168,920.0000000
32	N	96	5	Y	-174,530.0000000
33	N	99	5	Y	-180,110.0000000
34	N	102	5	Y	-185,670.0000000
35	N	105	5	Y	-191,270.0000000
36	N	108	5	Y	-196,880.0000000
37	N	111	5	Y	-202,490.0000000
38	N	114	5	Y	-208,100.0000000
39	N	117	5	Y	-213,630.0000000
40	N	120	5	Y	-219,240.0000000
41	N	123	5	Y	-224,790.0000000
42	N	126	5	Y	-230,370.0000000
43	N	129	5	Y	-235,980.0000000
44	N	132	5	Y	-241,590.0000000
45	N	135	5	Y	-247,110.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
46	N	138	5	Y	-252,720.0000000
47	N	141	5	Y	-258,330.0000000
48	N	144	5	Y	-263,860.0000000
49	N	147	5	Y	-269,470.0000000
50	N	150	5	Y	-275,070.0000000
51	N	153	5	Y	-280,600.0000000
52	N	156	5	Y	-286,210.0000000
53	N	159	5	Y	-291,820.0000000
54	N	162	5	Y	-297,430.0000000
55	N	165	5	Y	-265,090.0000000
56	N	169	5	Y	-230,370.0000000
57	N	174	5	Y	-233,500.0000000
58	N	180	5	Y	-236,640.0000000
59	N	187	5	Y	-239,770.0000000
60	N	194	5	Y	-242,910.0000000
61	N	201	5	Y	-225,590.0000000
62	N	208	5	Y	-208,820.0000000
63	N	215	5	Y	-146,380.0000000
64	N	258	5	X	166,130.0000000
65	N	262	5	X	323,930.0000000
66	N	267	5	X	312,760.0000000
67	N	272	5	X	301,590.0000000
68	N	277	5	X	290,420.0000000
69	N	282	5	X	279,250.0000000
70	N	287	5	X	268,080.0000000
71	N	292	5	X	256,910.0000000
72	N	297	5	X	245,740.0000000
73	N	302	5	X	234,570.0000000
74	N	307	5	X	223,400.0000000
75	N	312	5	X	212,230.0000000
76	N	317	5	X	201,060.0000000
77	N	322	5	X	189,890.0000000
78	N	327	5	X	178,730.0000000
79	N	332	5	X	167,550.0000000
80	N	337	5	X	156,390.0000000
81	N	342	5	X	145,220.0000000
82	N	347	5	X	134,040.0000000
83	N	352	5	X	122,880.0000000
84	N	357	5	X	111,710.0000000
85	N	362	5	X	100,530.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
86	N	367	5	X	89,370.0000000
87	N	372	5	X	78,200.0000000
88	N	377	5	X	67,020.0000000
89	N	382	5	X	55,860.0000000
90	N	387	5	X	44,690.0000000
91	N	392	5	X	33,510.0000000
92	N	397	5	X	22,350.0000000
93	N	402	5	X	11,180.0000000
94	N	407	5	X	1,396.0000000
1	N	461	6	X	-1,846.0000000
2	N	456	6	X	-5,537.0000000
3	N	451	6	X	-14,764.0000000
4	N	446	6	X	-22,146.0000000
5	N	441	6	X	-29,527.0000000
6	N	436	6	X	-36,909.0000000
7	N	431	6	X	-44,291.0000000
8	N	426	6	X	-51,672.0000000
9	N	421	6	X	-59,054.0000000
10	N	416	6	X	-66,435.0000000
11	N	411	6	X	-73,814.0000000
12	N	406	6	X	-81,191.0000000
13	N	401	6	X	-88,584.0000000
14	N	396	6	X	-95,964.0000000
15	N	391	6	X	-103,340.0000000
16	N	386	6	X	-110,720.0000000
17	N	381	6	X	-118,100.0000000
18	N	376	6	X	-125,480.0000000
19	N	371	6	X	-132,870.0000000
20	N	366	6	X	-140,250.0000000
21	N	361	6	X	-147,630.0000000
22	N	356	6	X	-155,010.0000000
23	N	351	6	X	-162,390.0000000
24	N	346	6	X	-169,770.0000000
25	N	341	6	X	-177,160.0000000
26	N	336	6	X	-184,540.0000000
27	N	331	6	X	-191,920.0000000
28	N	326	6	X	-199,300.0000000
29	N	321	6	X	-206,680.0000000
30	N	316	6	X	-214,060.0000000

* NODAL LOADS *

SEQ #	TYPE	ELMT/ NODE	LOAD CASE	DIRECTION	LOAD
31	N	311	6	X	-221,440.0000000
32	N	306	6	X	-228,830.0000000
33	N	301	6	X	-236,210.0000000
34	N	296	6	X	-243,590.0000000
35	N	291	6	X	-250,970.0000000
36	N	286	6	X	-258,350.0000000
37	N	281	6	X	-265,730.0000000
38	N	276	6	X	-273,120.0000000
39	N	271	6	X	-280,500.0000000
40	N	266	6	X	-287,880.0000000
41	N	261	6	X	-147,630.0000000

* MASSES *

SEQ #	TYPE	ELMT/ NODE	DIRECTION(S)	MASS

NONE

MICAS REV 3.4 FINITE ELEMENT ANALYSIS
AXI-SYMETRIC 11/21/88 13:59:55

****
* DISPLACEMENTS *
****

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
1	1	-2.131E-06	0.000E+00
1	2	-2.125E-06	0.000E+00
2	1	-2.906E-06	2.539E-06
2	2	-2.895E-06	2.499E-06
3	1	-1.403E-06	5.131E-06
3	2	-1.397E-06	5.050E-06
4	1	-9.404E-05	0.000E+00
4	2	-9.364E-05	0.000E+00
5	1	-9.387E-05	-4.251E-08
5	2	-9.347E-05	-8.343E-08
6	1	-9.355E-05	4.756E-08
6	2	-9.314E-05	-3.429E-08
7	1	-1.703E-04	0.000E+00
7	2	-1.696E-04	0.000E+00
8	1	-1.702E-04	-4.806E-07
8	2	-1.695E-04	-5.219E-07
9	1	-1.702E-04	-9.048E-07
9	2	-1.694E-04	-9.876E-07
10	1	-2.462E-04	0.000E+00
10	2	-2.451E-04	0.000E+00
11	1	-2.462E-04	-5.273E-07
11	2	-2.451E-04	-5.686E-07
12	1	-2.462E-04	-9.160E-07
12	2	-2.451E-04	-9.987E-07
13	1	-3.221E-04	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
13	2	-3.207E-04	0.000E+00
14	1	-3.221E-04	-4.938E-07
14	2	-3.207E-04	-5.351E-07
15	1	-3.221E-04	-9.196E-07
15	2	-3.207E-04	-1.002E-06
16	1	-3.980E-04	0.000E+00
16	2	-3.963E-04	0.000E+00
17	1	-3.980E-04	-5.223E-07
17	2	-3.963E-04	-5.636E-07
18	1	-3.980E-04	-9.127E-07
18	2	-3.963E-04	-9.954E-07
19	1	-4.739E-04	0.000E+00
19	2	-4.718E-04	0.000E+00
20	1	-4.739E-04	-4.929E-07
20	2	-4.718E-04	-5.342E-07
21	1	-4.739E-04	-9.179E-07
21	2	-4.718E-04	-1.000E-06
22	1	-5.498E-04	0.000E+00
22	2	-5.474E-04	0.000E+00
23	1	-5.498E-04	-5.222E-07
23	2	-5.474E-04	-5.635E-07
24	1	-5.498E-04	-9.125E-07
24	2	-5.474E-04	-9.952E-07
25	1	-6.257E-04	0.000E+00
25	2	-6.229E-04	0.000E+00
26	1	-6.257E-04	-4.904E-07
26	2	-6.229E-04	-5.317E-07
27	1	-6.257E-04	-9.128E-07
27	2	-6.229E-04	-9.955E-07
28	1	-7.015E-04	0.000E+00
28	2	-6.985E-04	0.000E+00
29	1	-7.015E-04	-5.220E-07
29	2	-6.985E-04	-5.633E-07
30	1	-7.015E-04	-9.122E-07
30	2	-6.985E-04	-9.949E-07
31	1	-7.774E-04	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
31	2	-7.740E-04	0.000E+00
32	1	-7.774E-04	-4.907E-07
32	2	-7.740E-04	-5.320E-07
33	1	-7.774E-04	-9.134E-07
33	2	-7.740E-04	-9.961E-07
34	1	-8.533E-04	0.000E+00
34	2	-8.495E-04	0.000E+00
35	1	-8.533E-04	-5.222E-07
35	2	-8.495E-04	-5.635E-07
36	1	-8.533E-04	-9.126E-07
36	2	-8.495E-04	-9.953E-07
37	1	-9.291E-04	0.000E+00
37	2	-9.251E-04	0.000E+00
38	1	-9.291E-04	-4.922E-07
38	2	-9.251E-04	-5.335E-07
39	1	-9.291E-04	-9.165E-07
39	2	-9.251E-04	-9.992E-07
40	1	-1.005E-03	0.000E+00
40	2	-1.000E-03	0.000E+00
41	1	-1.005E-03	-5.223E-07
41	2	-1.000E-03	-5.636E-07
42	1	-1.005E-03	-9.128E-07
42	2	-1.000E-03	-9.955E-07
43	1	-1.080E-03	0.000E+00
43	2	-1.076E-03	0.000E+00
44	1	-1.080E-03	-4.935E-07
44	2	-1.076E-03	-5.348E-07
45	1	-1.080E-03	-9.190E-07
45	2	-1.076E-03	-1.001E-06
46	1	-1.156E-03	0.000E+00
46	2	-1.151E-03	0.000E+00
47	1	-1.156E-03	-5.317E-07
47	2	-1.151E-03	-5.730E-07
48	1	-1.156E-03	-9.317E-07
48	2	-1.151E-03	-1.014E-06
49	1	-1.232E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
49	2	-1.227E-03	0.000E+00
50	1	-1.232E-03	-4.924E-07
50	2	-1.227E-03	-5.338E-07
51	1	-1.232E-03	-9.169E-07
51	2	-1.227E-03	-9.996E-07
52	1	-1.308E-03	0.000E+00
52	2	-1.302E-03	0.000E+00
53	1	-1.308E-03	-5.186E-07
53	2	-1.302E-03	-5.600E-07
54	1	-1.308E-03	-9.054E-07
54	2	-1.302E-03	-9.881E-07
55	1	-1.384E-03	0.000E+00
55	2	-1.378E-03	0.000E+00
56	1	-1.384E-03	-4.970E-07
56	2	-1.378E-03	-5.383E-07
57	1	-1.384E-03	-9.265E-07
57	2	-1.378E-03	-1.009E-06
58	1	-1.460E-03	0.000E+00
58	2	-1.453E-03	0.000E+00
59	1	-1.460E-03	-5.219E-07
59	2	-1.453E-03	-5.633E-07
60	1	-1.460E-03	-9.122E-07
60	2	-1.453E-03	-9.949E-07
61	1	-1.535E-03	0.000E+00
61	2	-1.529E-03	0.000E+00
62	1	-1.535E-03	-4.866E-07
62	2	-1.529E-03	-5.279E-07
63	1	-1.535E-03	-9.049E-07
63	2	-1.529E-03	-9.876E-07
64	1	-1.611E-03	0.000E+00
64	2	-1.604E-03	0.000E+00
65	1	-1.611E-03	-5.264E-07
65	2	-1.604E-03	-5.678E-07
66	1	-1.611E-03	-9.211E-07
66	2	-1.604E-03	-1.003E-06
67	1	-1.687E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
67	2	-1.680E-03	0.000E+00
68	1	-1.687E-03	-4.975E-07
68	2	-1.680E-03	-5.389E-07
69	1	-1.687E-03	-9.275E-07
69	2	-1.680E-03	-1.010E-06
70	1	-1.763E-03	0.000E+00
70	2	-1.755E-03	0.000E+00
71	1	-1.763E-03	-5.174E-07
71	2	-1.755E-03	-5.587E-07
72	1	-1.763E-03	-9.028E-07
72	2	-1.755E-03	-9.855E-07
73	1	-1.839E-03	0.000E+00
73	2	-1.831E-03	0.000E+00
74	1	-1.839E-03	-4.945E-07
74	2	-1.831E-03	-5.359E-07
75	1	-1.839E-03	-9.214E-07
75	2	-1.831E-03	-1.004E-06
76	1	-1.915E-03	0.000E+00
76	2	-1.906E-03	0.000E+00
77	1	-1.915E-03	-5.267E-07
77	2	-1.906E-03	-5.680E-07
78	1	-1.915E-03	-9.218E-07
78	2	-1.906E-03	-1.004E-06
79	1	-1.991E-03	0.000E+00
79	2	-1.982E-03	0.000E+00
80	1	-1.991E-03	-4.858E-07
80	2	-1.982E-03	-5.272E-07
81	1	-1.991E-03	-9.033E-07
81	2	-1.982E-03	-9.860E-07
82	1	-2.066E-03	0.000E+00
82	2	-2.057E-03	0.000E+00
83	1	-2.066E-03	-5.248E-07
83	2	-2.057E-03	-5.662E-07
84	1	-2.066E-03	-9.180E-07
84	2	-2.057E-03	-1.000E-06
85	1	-2.142E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
85	2	-2.133E-03	0.000E+00
86	1	-2.142E-03	-4.956E-07
86	2	-2.133E-03	-5.370E-07
87	1	-2.142E-03	-9.237E-07
87	2	-2.133E-03	-1.006E-06
88	1	-2.218E-03	0.000E+00
88	2	-2.208E-03	0.000E+00
89	1	-2.218E-03	-5.158E-07
89	2	-2.208E-03	-5.571E-07
90	1	-2.218E-03	-8.996E-07
90	2	-2.208E-03	-9.823E-07
91	1	-2.294E-03	0.000E+00
91	2	-2.284E-03	0.000E+00
92	1	-2.294E-03	-4.933E-07
92	2	-2.284E-03	-5.346E-07
93	1	-2.294E-03	-9.189E-07
93	2	-2.284E-03	-1.001E-06
94	1	-2.370E-03	0.000E+00
94	2	-2.359E-03	0.000E+00
95	1	-2.370E-03	-5.254E-07
95	2	-2.359E-03	-5.668E-07
96	1	-2.370E-03	-9.192E-07
96	2	-2.359E-03	-1.001E-06
97	1	-2.446E-03	0.000E+00
97	2	-2.435E-03	0.000E+00
98	1	-2.446E-03	-4.878E-07
98	2	-2.435E-03	-5.291E-07
99	1	-2.446E-03	-9.074E-07
99	2	-2.435E-03	-9.901E-07
100	1	-2.522E-03	0.000E+00
100	2	-2.511E-03	0.000E+00
101	1	-2.522E-03	-5.239E-07
101	2	-2.511E-03	-5.652E-07
102	1	-2.522E-03	-9.161E-07
102	2	-2.511E-03	-9.988E-07
103	1	-2.597E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
103	2	-2.586E-03	0.000E+00
104	1	-2.597E-03	-4.941E-07
104	2	-2.586E-03	-5.354E-07
105	1	-2.597E-03	-9.204E-07
105	2	-2.586E-03	-1.003E-06
106	1	-2.673E-03	0.000E+00
106	2	-2.662E-03	0.000E+00
107	1	-2.673E-03	-5.193E-07
107	2	-2.662E-03	-5.606E-07
108	1	-2.673E-03	-9.067E-07
108	2	-2.662E-03	-9.894E-07
109	1	-2.749E-03	0.000E+00
109	2	-2.737E-03	0.000E+00
110	1	-2.749E-03	-4.968E-07
110	2	-2.737E-03	-5.381E-07
111	1	-2.749E-03	-9.259E-07
111	2	-2.737E-03	-1.008E-06
112	1	-2.825E-03	0.000E+00
112	2	-2.813E-03	0.000E+00
113	1	-2.825E-03	-5.284E-07
113	2	-2.813E-03	-5.697E-07
114	1	-2.825E-03	-9.251E-07
114	2	-2.813E-03	-1.007E-06
115	1	-2.901E-03	0.000E+00
115	2	-2.888E-03	0.000E+00
116	1	-2.901E-03	-4.886E-07
116	2	-2.888E-03	-5.299E-07
117	1	-2.901E-03	-9.088E-07
117	2	-2.888E-03	-9.915E-07
118	1	-2.977E-03	0.000E+00
118	2	-2.964E-03	0.000E+00
119	1	-2.977E-03	-5.268E-07
119	2	-2.964E-03	-5.681E-07
120	1	-2.977E-03	-9.220E-07
120	2	-2.964E-03	-1.004E-06
121	1	-3.052E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
121	2	-3.039E-03	0.000E+00
122	1	-3.052E-03	-4.948E-07
122	2	-3.039E-03	-5.361E-07
123	1	-3.052E-03	-9.218E-07
123	2	-3.039E-03	-1.004E-06
124	1	-3.128E-03	0.000E+00
124	2	-3.115E-03	0.000E+00
125	1	-3.128E-03	-5.184E-07
125	2	-3.115E-03	-5.597E-07
126	1	-3.128E-03	-9.048E-07
126	2	-3.115E-03	-9.875E-07
127	1	-3.204E-03	0.000E+00
127	2	-3.190E-03	0.000E+00
128	1	-3.204E-03	-4.956E-07
128	2	-3.190E-03	-5.370E-07
129	1	-3.204E-03	-9.236E-07
129	2	-3.190E-03	-1.006E-06
130	1	-3.280E-03	0.000E+00
130	2	-3.266E-03	0.000E+00
131	1	-3.280E-03	-5.271E-07
131	2	-3.266E-03	-5.684E-07
132	1	-3.280E-03	-9.225E-07
132	2	-3.266E-03	-1.005E-06
133	1	-3.356E-03	0.000E+00
133	2	-3.341E-03	0.000E+00
134	1	-3.356E-03	-4.873E-07
134	2	-3.341E-03	-5.286E-07
135	1	-3.356E-03	-9.062E-07
135	2	-3.341E-03	-9.889E-07
136	1	-3.432E-03	0.000E+00
136	2	-3.417E-03	0.000E+00
137	1	-3.432E-03	-5.255E-07
137	2	-3.417E-03	-5.669E-07
138	1	-3.432E-03	-9.194E-07
138	2	-3.417E-03	-1.002E-06
139	1	-3.508E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
139	2	-3.492E-03	0.000E+00
140	1	-3.508E-03	-4.958E-07
140	2	-3.492E-03	-5.371E-07
141	1	-3.508E-03	-9.240E-07
141	2	-3.492E-03	-1.006E-06
142	1	-3.583E-03	0.000E+00
142	2	-3.568E-03	0.000E+00
143	1	-3.583E-03	-5.178E-07
143	2	-3.568E-03	-5.591E-07
144	1	-3.583E-03	-9.036E-07
144	2	-3.568E-03	-9.823E-07
145	1	-3.659E-03	0.000E+00
145	2	-3.643E-03	0.000E+00
146	1	-3.659E-03	-4.947E-07
146	2	-3.643E-03	-5.361E-07
147	1	-3.659E-03	-9.218E-07
147	2	-3.643E-03	-1.004E-06
148	1	-3.735E-03	0.000E+00
148	2	-3.719E-03	0.000E+00
149	1	-3.735E-03	-5.258E-07
149	2	-3.719E-03	-5.671E-07
150	1	-3.735E-03	-9.200E-07
150	2	-3.719E-03	-1.002E-06
151	1	-3.811E-03	0.000E+00
151	2	-3.794E-03	0.000E+00
152	1	-3.811E-03	-4.874E-07
152	2	-3.794E-03	-5.287E-07
153	1	-3.811E-03	-9.063E-07
153	2	-3.794E-03	-9.890E-07
154	1	-3.887E-03	0.000E+00
154	2	-3.870E-03	0.000E+00
155	1	-3.887E-03	-5.296E-07
155	2	-3.870E-03	-5.709E-07
156	1	-3.887E-03	-9.199E-07
156	2	-3.870E-03	-1.002E-06
157	1	-3.963E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
157	2	-3.945E-03	0.000E+00
158	1	-3.963E-03	-4.577E-07
158	2	-3.945E-03	-4.992E-07
159	1	-3.963E-03	-8.583E-07
159	2	-3.946E-03	-9.412E-07
160	1	-4.039E-03	0.000E+00
160	2	-4.021E-03	0.000E+00
161	1	-4.039E-03	1.029E-08
161	2	-4.021E-03	-3.239E-08
162	1	-4.038E-03	-5.114E-07
162	2	-4.021E-03	-5.952E-07
163	1	-4.120E-03	0.000E+00
163	2	-4.102E-03	0.000E+00
164	1	-4.114E-03	-1.103E-06
164	2	-4.096E-03	-1.143E-06
165	1	-4.111E-03	-2.023E-06
165	2	-4.093E-03	-2.103E-06
166	1	-4.175E-03	0.000E+00
166	2	-4.157E-03	0.000E+00
167	1	-4.162E-03	-2.810E-06
167	2	-4.144E-03	-2.841E-06
168	1	-4.155E-03	-5.408E-06
168	2	-4.137E-03	-5.472E-06
169	1	-4.150E-03	-7.858E-06
169	2	-4.132E-03	-7.956E-06
170	1	-4.206E-03	0.000E+00
170	2	-4.187E-03	0.000E+00
171	1	-4.195E-03	-4.807E-06
171	2	-4.177E-03	-4.828E-06
172	1	-4.187E-03	-9.491E-06
172	2	-4.169E-03	-9.534E-06
173	1	-4.181E-03	-1.297E-05
173	2	-4.163E-03	-1.304E-05
174	1	-4.178E-03	-1.640E-05
174	2	-4.159E-03	-1.650E-05
175	1	-4.224E-03	0.000E+00

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
175	2	-4.205E-03	0.000E+00
176	1	-4.216E-03	-5.703E-06
176	2	-4.197E-03	-5.708E-06
177	1	-4.209E-03	-1.134E-05
177	2	-4.190E-03	-1.135E-05
178	1	-4.203E-03	-1.578E-05
178	2	-4.185E-03	-1.581E-05
179	1	-4.199E-03	-2.018E-05
179	2	-4.181E-03	-2.024E-05
180	1	-4.196E-03	-2.400E-05
180	2	-4.178E-03	-2.409E-05
181	1	-4.230E-03	0.000E+00
181	2	-4.212E-03	0.000E+00
182	1	-4.226E-03	-5.746E-06
182	2	-4.208E-03	-5.729E-06
183	1	-4.222E-03	-1.162E-05
183	2	-4.204E-03	-1.159E-05
184	1	-4.218E-03	-1.640E-05
184	2	-4.200E-03	-1.637E-05
185	1	-4.215E-03	-2.125E-05
185	2	-4.197E-03	-2.122E-05
186	1	-4.212E-03	-2.553E-05
186	2	-4.194E-03	-2.553E-05
187	1	-4.210E-03	-2.988E-05
187	2	-4.192E-03	-2.991E-05
188	1	-4.231E-03	0.000E+00
188	2	-4.213E-03	0.000E+00
189	1	-4.230E-03	-6.757E-06
189	2	-4.212E-03	-6.728E-06
190	1	-4.229E-03	-1.257E-05
190	2	-4.210E-03	-1.253E-05
191	1	-4.227E-03	-1.827E-05
191	2	-4.208E-03	-1.820E-05
192	1	-4.225E-03	-2.321E-05
192	2	-4.206E-03	-2.316E-05
193	1	-4.223E-03	-2.799E-05

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
193	2	-4.204E-03	-2.795E-05
194	1	-4.221E-03	-3.256E-05
194	2	-4.202E-03	-3.258E-05
195	1	-4.236E-03	0.000E+00
195	2	-4.218E-03	0.000E+00
196	1	-4.235E-03	-7.642E-06
196	2	-4.217E-03	-7.698E-06
197	1	-4.236E-03	-1.508E-05
197	2	-4.218E-03	-1.517E-05
198	1	-4.235E-03	-2.140E-05
198	2	-4.216E-03	-2.154E-05
199	1	-4.234E-03	-2.734E-05
199	2	-4.215E-03	-2.748E-05
200	1	-4.232E-03	-3.233E-05
200	2	-4.213E-03	-3.254E-05
201	1	-4.230E-03	-3.688E-05
201	2	-4.210E-03	-3.712E-05
202	1	-4.237E-03	0.000E+00
202	2	-4.219E-03	0.000E+00
203	1	-4.238E-03	-1.078E-05
203	2	-4.220E-03	-1.115E-05
204	1	-4.239E-03	-2.056E-05
204	2	-4.221E-03	-2.126E-05
205	1	-4.242E-03	-3.003E-05
205	2	-4.224E-03	-3.101E-05
206	1	-4.242E-03	-3.677E-05
206	2	-4.224E-03	-3.790E-05
207	1	-4.242E-03	-4.278E-05
207	2	-4.222E-03	-4.395E-05
208	1	-4.238E-03	-4.726E-05
208	2	-4.217E-03	-4.863E-05
209	1	-4.231E-03	0.000E+00
209	2	-4.213E-03	0.000E+00
210	1	-4.232E-03	-1.504E-05
210	2	-4.213E-03	-1.616E-05
211	1	-4.237E-03	-3.021E-05

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
211	2	-4.219E-03	-3.243E-05
212	1	-4.243E-03	-4.369E-05
212	2	-4.225E-03	-4.688E-05
213	1	-4.254E-03	-5.711E-05
213	2	-4.235E-03	-6.115E-05
214	1	-4.260E-03	-6.380E-05
214	2	-4.241E-03	-6.827E-05
215	1	-4.255E-03	-6.764E-05
215	2	-4.234E-03	-7.210E-05
216	1	-4.224E-03	0.000E+00
216	2	-4.205E-03	0.000E+00
217	1	-4.226E-03	-1.581E-05
217	2	-4.207E-03	-1.732E-05
218	1	-4.231E-03	-3.207E-05
218	2	-4.212E-03	-3.514E-05
219	1	-4.241E-03	-4.972E-05
219	2	-4.222E-03	-5.447E-05
220	1	-4.253E-03	-6.778E-05
220	2	-4.234E-03	-7.427E-05
221	1	-4.277E-03	-8.821E-05
221	2	-4.258E-03	-9.654E-05
222	1	-4.277E-03	-8.421E-05
222	2	-4.255E-03	-9.336E-05
223	1	-4.216E-03	0.000E+00
223	2	-4.196E-03	0.000E+00
224	1	-4.218E-03	-1.408E-05
224	2	-4.198E-03	-1.579E-05
225	1	-4.222E-03	-2.902E-05
225	2	-4.202E-03	-3.256E-05
226	1	-4.232E-03	-4.693E-05
226	2	-4.212E-03	-5.270E-05
227	1	-4.246E-03	-7.009E-05
227	2	-4.226E-03	-7.872E-05
228	1	-4.274E-03	-1.056E-04
228	2	-4.254E-03	-1.185E-04
229	1	-4.343E-03	-1.691E-04

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
229	2	-4.322E-03	-1.895E-04
230	1	-4.211E-03	0.000E+00
230	2	-4.190E-03	0.000E+00
231	1	-4.212E-03	-1.056E-05
231	2	-4.191E-03	-1.215E-05
232	1	-4.218E-03	-2.126E-05
232	2	-4.197E-03	-2.452E-05
233	1	-4.224E-03	-3.246E-05
233	2	-4.204E-03	-3.753E-05
234	1	-4.241E-03	-4.386E-05
234	2	-4.221E-03	-5.092E-05
235	1	-4.259E-03	-5.388E-05
235	2	-4.238E-03	-6.317E-05
236	1	-4.323E-03	-6.910E-05
236	2	-4.305E-03	-7.948E-05
237	1	-4.206E-03	0.000E+00
237	2	-4.184E-03	0.000E+00
238	1	-4.209E-03	-6.364E-06
238	2	-4.188E-03	-7.698E-06
239	1	-4.212E-03	-1.232E-05
239	2	-4.191E-03	-1.499E-05
240	1	-4.223E-03	-1.709E-05
240	2	-4.202E-03	-2.097E-05
241	1	-4.236E-03	-2.012E-05
241	2	-4.215E-03	-2.512E-05
242	1	-4.259E-03	-2.144E-05
242	2	-4.239E-03	-2.706E-05
243	1	-4.291E-03	-1.802E-05
243	2	-4.272E-03	-2.374E-05
244	1	-4.198E-03	0.000E+00
244	2	-4.176E-03	0.000E+00
245	1	-4.199E-03	2.895E-06
245	2	-4.176E-03	2.498E-06
246	1	-4.205E-03	6.083E-06
246	2	-4.184E-03	5.347E-06
247	1	-4.213E-03	9.663E-06

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
247	2	-4.191E-03	8.623E-06
248	1	-4.225E-03	1.321E-05
248	2	-4.205E-03	1.202E-05
249	1	-4.238E-03	1.750E-05
249	2	-4.218E-03	1.624E-05
250	1	-4.251E-03	1.900E-05
250	2	-4.232E-03	1.763E-05
251	1	-4.191E-03	0.000E+00
251	2	-4.169E-03	0.000E+00
252	1	-4.194E-03	8.621E-06
252	2	-4.172E-03	8.766E-06
253	1	-4.198E-03	1.694E-05
253	2	-4.176E-03	1.722E-05
254	1	-4.206E-03	2.436E-05
254	2	-4.185E-03	2.480E-05
255	1	-4.215E-03	3.091E-05
255	2	-4.194E-03	3.149E-05
256	1	-4.225E-03	3.535E-05
256	2	-4.205E-03	3.600E-05
257	1	-4.233E-03	3.916E-05
257	2	-4.213E-03	3.984E-05
258	1	-4.398E-03	-3.719E-03
258	2	-4.379E-03	-3.742E-03
259	1	-4.367E-03	-1.932E-03
259	2	-4.347E-03	-1.955E-03
260	1	-4.332E-03	1.467E-03
260	2	-4.312E-03	1.441E-03
261	1	-4.309E-03	3.114E-03
261	2	-4.288E-03	3.084E-03
262	1	-1.228E-02	-4.153E-03
262	2	-1.225E-02	-4.186E-03
263	1	-1.226E-02	-2.471E-03
263	2	-1.223E-02	-2.505E-03
264	1	-1.222E-02	-7.977E-04
264	2	-1.219E-02	-8.334E-04
265	1	-1.219E-02	8.575E-04

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
265	2	-1.216E-02	8.201E-04
266	1	-1.215E-02	2.525E-03
266	2	-1.212E-02	2.486E-03
267	1	-1.980E-02	-4.485E-03
267	2	-1.976E-02	-4.531E-03
268	1	-1.976E-02	-2.913E-03
268	2	-1.973E-02	-2.960E-03
269	1	-1.974E-02	-1.349E-03
269	2	-1.970E-02	-1.397E-03
270	1	-1.969E-02	2.049E-04
270	2	-1.965E-02	1.557E-04
271	1	-1.965E-02	1.774E-03
271	2	-1.961E-02	1.724E-03
272	1	-2.667E-02	-4.699E-03
272	2	-2.663E-02	-4.758E-03
273	1	-2.665E-02	-3.282E-03
273	2	-2.662E-02	-3.342E-03
274	1	-2.661E-02	-1.867E-03
274	2	-2.657E-02	-1.927E-03
275	1	-2.657E-02	-4.651E-04
275	2	-2.654E-02	-5.259E-04
276	1	-2.651E-02	9.486E-04
276	2	-2.647E-02	8.872E-04
277	1	-3.280E-02	-5.171E-03
277	2	-3.276E-02	-5.241E-03
278	1	-3.275E-02	-3.832E-03
278	2	-3.272E-02	-3.903E-03
279	1	-3.273E-02	-2.502E-03
279	2	-3.269E-02	-2.573E-03
280	1	-3.266E-02	-1.162E-03
280	2	-3.262E-02	-1.234E-03
281	1	-3.261E-02	1.673E-04
281	2	-3.257E-02	9.581E-05
282	1	-3.809E-02	-5.176E-03
282	2	-3.805E-02	-5.257E-03
283	1	-3.807E-02	-4.036E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
283	2	-3.803E-02	-4.118E-03
284	1	-3.801E-02	-2.897E-03
284	2	-3.797E-02	-2.979E-03
285	1	-3.797E-02	-1.752E-03
285	2	-3.793E-02	-1.834E-03
286	1	-3.789E-02	-6.158E-04
286	2	-3.785E-02	-6.972E-04
287	1	-4.255E-02	-5.155E-03
287	2	-4.251E-02	-5.249E-03
288	1	-4.250E-02	-4.215E-03
288	2	-4.246E-02	-4.308E-03
289	1	-4.246E-02	-3.274E-03
289	2	-4.242E-02	-3.367E-03
290	1	-4.239E-02	-2.329E-03
290	2	-4.235E-02	-2.421E-03
291	1	-4.233E-02	-1.391E-03
291	2	-4.229E-02	-1.482E-03
292	1	-4.613E-02	-5.126E-03
292	2	-4.609E-02	-5.231E-03
293	1	-4.610E-02	-4.382E-03
293	2	-4.607E-02	-4.485E-03
294	1	-4.604E-02	-3.637E-03
294	2	-4.600E-02	-3.740E-03
295	1	-4.599E-02	-2.888E-03
295	2	-4.595E-02	-2.990E-03
296	1	-4.590E-02	-2.146E-03
296	2	-4.587E-02	-2.247E-03
297	1	-4.890E-02	-5.101E-03
297	2	-4.887E-02	-5.217E-03
298	1	-4.885E-02	-4.545E-03
298	2	-4.882E-02	-4.660E-03
299	1	-4.881E-02	-3.988E-03
299	2	-4.877E-02	-4.101E-03
300	1	-4.873E-02	-3.428E-03
300	2	-4.870E-02	-3.540E-03
301	1	-4.867E-02	-2.874E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
301	2	-4.864E-02	-2.984E-03
302	1	-5.087E-02	-5.093E-03
302	2	-5.085E-02	-5.220E-03
303	1	-5.083E-02	-4.712E-03
303	2	-5.081E-02	-4.837E-03
304	1	-5.077E-02	-4.330E-03
304	2	-5.074E-02	-4.454E-03
305	1	-5.071E-02	-3.946E-03
305	2	-5.069E-02	-4.068E-03
306	1	-5.063E-02	-3.567E-03
306	2	-5.060E-02	-3.687E-03
307	1	-5.214E-02	-5.108E-03
307	2	-5.212E-02	-5.247E-03
308	1	-5.208E-02	-4.888E-03
308	2	-5.206E-02	-5.024E-03
309	1	-5.203E-02	-4.665E-03
309	2	-5.201E-02	-4.800E-03
310	1	-5.195E-02	-4.442E-03
310	2	-5.194E-02	-4.574E-03
311	1	-5.189E-02	-4.222E-03
311	2	-5.187E-02	-4.352E-03
312	1	-5.274E-02	-5.157E-03
312	2	-5.273E-02	-5.306E-03
313	1	-5.270E-02	-5.078E-03
313	2	-5.269E-02	-5.225E-03
314	1	-5.263E-02	-4.997E-03
314	2	-5.262E-02	-5.141E-03
315	1	-5.257E-02	-4.915E-03
315	2	-5.256E-02	-5.058E-03
316	1	-5.249E-02	-4.837E-03
316	2	-5.248E-02	-4.977E-03
317	1	-5.279E-02	-5.239E-03
317	2	-5.280E-02	-5.399E-03
318	1	-5.273E-02	-5.284E-03
318	2	-5.273E-02	-5.441E-03
319	1	-5.268E-02	-5.326E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
319	2	-5.268E-02	-5.481E-03
320	1	-5.260E-02	-5.368E-03
320	2	-5.261E-02	-5.521E-03
321	1	-5.254E-02	-5.413E-03
321	2	-5.254E-02	-5.563E-03
322	1	-5.234E-02	-5.361E-03
322	2	-5.236E-02	-5.531E-03
323	1	-5.230E-02	-5.509E-03
323	2	-5.231E-02	-5.676E-03
324	1	-5.223E-02	-5.655E-03
324	2	-5.224E-02	-5.820E-03
325	1	-5.217E-02	-5.801E-03
325	2	-5.218E-02	-5.964E-03
326	1	-5.209E-02	-5.949E-03
326	2	-5.210E-02	-6.110E-03
327	1	-5.151E-02	-5.519E-03
327	2	-5.153E-02	-5.698E-03
328	1	-5.145E-02	-5.753E-03
328	2	-5.147E-02	-5.930E-03
329	1	-5.139E-02	-5.984E-03
329	2	-5.141E-02	-6.160E-03
330	1	-5.132E-02	-6.216E-03
330	2	-5.134E-02	-6.390E-03
331	1	-5.126E-02	-6.450E-03
331	2	-5.128E-02	-6.622E-03
332	1	-5.033E-02	-5.716E-03
332	2	-5.036E-02	-5.904E-03
333	1	-5.028E-02	-6.017E-03
333	2	-5.031E-02	-6.204E-03
334	1	-5.022E-02	-6.316E-03
334	2	-5.024E-02	-6.502E-03
335	1	-5.016E-02	-6.617E-03
335	2	-5.018E-02	-6.802E-03
336	1	-5.009E-02	-6.917E-03
336	2	-5.011E-02	-7.101E-03
337	1	-4.891E-02	-5.948E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
337	2	-4.895E-02	-6.145E-03
338	1	-4.885E-02	-6.301E-03
338	2	-4.889E-02	-6.497E-03
339	1	-4.880E-02	-6.651E-03
339	2	-4.883E-02	-6.847E-03
340	1	-4.873E-02	-7.003E-03
340	2	-4.876E-02	-7.200E-03
341	1	-4.867E-02	-7.355E-03
341	2	-4.870E-02	-7.551E-03
342	1	-4.731E-02	-6.215E-03
342	2	-4.734E-02	-6.419E-03
343	1	-4.725E-02	-6.603E-03
343	2	-4.728E-02	-6.809E-03
344	1	-4.719E-02	-6.989E-03
344	2	-4.722E-02	-7.196E-03
345	1	-4.713E-02	-7.378E-03
345	2	-4.716E-02	-7.586E-03
346	1	-4.707E-02	-7.765E-03
346	2	-4.710E-02	-7.974E-03
347	1	-4.558E-02	-6.515E-03
347	2	-4.560E-02	-6.726E-03
348	1	-4.552E-02	-6.925E-03
348	2	-4.554E-02	-7.139E-03
349	1	-4.546E-02	-7.333E-03
349	2	-4.549E-02	-7.550E-03
350	1	-4.540E-02	-7.743E-03
350	2	-4.542E-02	-7.963E-03
351	1	-4.535E-02	-8.153E-03
351	2	-4.537E-02	-8.376E-03
352	1	-4.379E-02	-6.846E-03
352	2	-4.379E-02	-7.062E-03
353	1	-4.373E-02	-7.264E-03
353	2	-4.374E-02	-7.486E-03
354	1	-4.367E-02	-7.681E-03
354	2	-4.368E-02	-7.908E-03
355	1	-4.361E-02	-8.100E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
355	2	-4.362E-02	-8.333E-03
356	1	-4.356E-02	-8.518E-03
356	2	-4.356E-02	-8.756E-03
357	1	-4.199E-02	-7.204E-03
357	2	-4.196E-02	-7.425E-03
358	1	-4.193E-02	-7.620E-03
358	2	-4.191E-02	-7.849E-03
359	1	-4.187E-02	-8.034E-03
359	2	-4.185E-02	-8.272E-03
360	1	-4.182E-02	-8.450E-03
360	2	-4.179E-02	-8.696E-03
361	1	-4.176E-02	-8.865E-03
361	2	-4.174E-02	-9.119E-03
362	1	-4.023E-02	-7.588E-03
362	2	-4.016E-02	-7.812E-03
363	1	-4.017E-02	-7.990E-03
363	2	-4.010E-02	-8.226E-03
364	1	-4.011E-02	-8.391E-03
364	2	-4.005E-02	-8.639E-03
365	1	-4.006E-02	-8.794E-03
365	2	-3.999E-02	-9.054E-03
366	1	-4.001E-02	-9.195E-03
366	2	-3.994E-02	-9.467E-03
367	1	-3.854E-02	-7.993E-03
367	2	-3.842E-02	-8.221E-03
368	1	-3.848E-02	-8.374E-03
368	2	-3.836E-02	-8.617E-03
369	1	-3.843E-02	-8.753E-03
369	2	-3.831E-02	-9.012E-03
370	1	-3.838E-02	-9.134E-03
370	2	-3.825E-02	-9.409E-03
371	1	-3.832E-02	-9.514E-03
371	2	-3.820E-02	-9.804E-03
372	1	-3.697E-02	-8.418E-03
372	2	-3.677E-02	-8.646E-03
373	1	-3.691E-02	-8.769E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
373	2	-3.671E-02	-9.018E-03
374	1	-3.686E-02	-9.119E-03
374	2	-3.666E-02	-9.389E-03
375	1	-3.680E-02	-9.471E-03
375	2	-3.660E-02	-9.762E-03
376	1	-3.676E-02	-9.821E-03
376	2	-3.656E-02	-1.013E-02
377	1	-3.553E-02	-8.857E-03
377	2	-3.524E-02	-9.086E-03
378	1	-3.548E-02	-9.173E-03
378	2	-3.518E-02	-9.428E-03
379	1	-3.542E-02	-9.488E-03
379	2	-3.513E-02	-9.769E-03
380	1	-3.538E-02	-9.805E-03
380	2	-3.508E-02	-1.011E-02
381	1	-3.532E-02	-1.012E-02
381	2	-3.503E-02	-1.045E-02
382	1	-3.426E-02	-9.309E-03
382	2	-3.384E-02	-9.537E-03
383	1	-3.420E-02	-9.585E-03
383	2	-3.378E-02	-9.846E-03
384	1	-3.415E-02	-9.861E-03
384	2	-3.373E-02	-1.015E-02
385	1	-3.410E-02	-1.013E-02
385	2	-3.368E-02	-1.046E-02
386	1	-3.406E-02	-1.041E-02
386	2	-3.364E-02	-1.077E-02
387	1	-3.316E-02	-9.769E-03
387	2	-3.259E-02	-9.996E-03
388	1	-3.311E-02	-1.000E-02
388	2	-3.254E-02	-1.026E-02
389	1	-3.306E-02	-1.023E-02
389	2	-3.249E-02	-1.054E-02
390	1	-3.301E-02	-1.047E-02
390	2	-3.244E-02	-1.081E-02
391	1	-3.296E-02	-1.070E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
391	2	-3.239E-02	-1.108E-02
392	1	-3.226E-02	-1.023E-02
392	2	-3.151E-02	-1.045E-02
393	1	-3.220E-02	-1.042E-02
393	2	-3.145E-02	-1.069E-02
394	1	-3.215E-02	-1.061E-02
394	2	-3.140E-02	-1.093E-02
395	1	-3.210E-02	-1.080E-02
395	2	-3.135E-02	-1.116E-02
396	1	-3.206E-02	-1.099E-02
396	2	-3.131E-02	-1.140E-02
397	1	-3.153E-02	-1.069E-02
397	2	-3.057E-02	-1.092E-02
398	1	-3.148E-02	-1.084E-02
398	2	-3.052E-02	-1.112E-02
399	1	-3.143E-02	-1.099E-02
399	2	-3.047E-02	-1.132E-02
400	1	-3.138E-02	-1.114E-02
400	2	-3.042E-02	-1.152E-02
401	1	-3.133E-02	-1.129E-02
401	2	-3.037E-02	-1.172E-02
402	1	-3.099E-02	-1.115E-02
402	2	-2.979E-02	-1.137E-02
403	1	-3.093E-02	-1.126E-02
403	2	-2.974E-02	-1.154E-02
404	1	-3.089E-02	-1.137E-02
404	2	-2.969E-02	-1.171E-02
405	1	-3.083E-02	-1.148E-02
405	2	-2.964E-02	-1.188E-02
406	1	-3.079E-02	-1.159E-02
406	2	-2.959E-02	-1.205E-02
407	1	-3.060E-02	-1.159E-02
407	2	-2.913E-02	-1.182E-02
408	1	-3.055E-02	-1.167E-02
408	2	-2.908E-02	-1.196E-02
409	1	-3.050E-02	-1.175E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
409	2	-2.903E-02	-1.211E-02
410	1	-3.045E-02	-1.183E-02
410	2	-2.898E-02	-1.225E-02
411	1	-3.040E-02	-1.191E-02
411	2	-2.894E-02	-1.240E-02
412	1	-3.033E-02	-1.202E-02
412	2	-2.857E-02	-1.225E-02
413	1	-3.028E-02	-1.207E-02
413	2	-2.852E-02	-1.237E-02
414	1	-3.023E-02	-1.213E-02
414	2	-2.847E-02	-1.250E-02
415	1	-3.018E-02	-1.219E-02
415	2	-2.842E-02	-1.263E-02
416	1	-3.013E-02	-1.224E-02
416	2	-2.837E-02	-1.276E-02
417	1	-3.013E-02	-1.242E-02
417	2	-2.805E-02	-1.266E-02
418	1	-3.008E-02	-1.246E-02
418	2	-2.800E-02	-1.277E-02
419	1	-3.003E-02	-1.251E-02
419	2	-2.795E-02	-1.290E-02
420	1	-2.998E-02	-1.256E-02
420	2	-2.790E-02	-1.302E-02
421	1	-2.994E-02	-1.260E-02
421	2	-2.786E-02	-1.315E-02
422	1	-2.994E-02	-1.272E-02
422	2	-2.752E-02	-1.295E-02
423	1	-2.989E-02	-1.277E-02
423	2	-2.747E-02	-1.309E-02
424	1	-2.984E-02	-1.283E-02
424	2	-2.742E-02	-1.323E-02
425	1	-2.979E-02	-1.290E-02
425	2	-2.737E-02	-1.338E-02
426	1	-2.974E-02	-1.296E-02
426	2	-2.732E-02	-1.352E-02
427	1	-2.966E-02	-1.298E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
427	2	-2.690E-02	-1.323E-02
428	1	-2.961E-02	-1.307E-02
428	2	-2.685E-02	-1.340E-02
429	1	-2.957E-02	-1.316E-02
429	2	-2.681E-02	-1.357E-02
430	1	-2.951E-02	-1.324E-02
430	2	-2.676E-02	-1.374E-02
431	1	-2.946E-02	-1.333E-02
431	2	-2.671E-02	-1.391E-02
432	1	-2.925E-02	-1.323E-02
432	2	-2.615E-02	-1.350E-02
433	1	-2.921E-02	-1.335E-02
433	2	-2.611E-02	-1.370E-02
434	1	-2.916E-02	-1.348E-02
434	2	-2.606E-02	-1.391E-02
435	1	-2.911E-02	-1.360E-02
435	2	-2.602E-02	-1.412E-02
436	1	-2.906E-02	-1.373E-02
436	2	-2.597E-02	-1.432E-02
437	1	-2.868E-02	-1.345E-02
437	2	-2.526E-02	-1.376E-02
438	1	-2.863E-02	-1.362E-02
438	2	-2.522E-02	-1.400E-02
439	1	-2.859E-02	-1.380E-02
439	2	-2.517E-02	-1.425E-02
440	1	-2.853E-02	-1.397E-02
440	2	-2.512E-02	-1.450E-02
441	1	-2.848E-02	-1.414E-02
441	2	-2.508E-02	-1.474E-02
442	1	-2.788E-02	-1.365E-02
442	2	-2.419E-02	-1.400E-02
443	1	-2.784E-02	-1.388E-02
443	2	-2.415E-02	-1.430E-02
444	1	-2.779E-02	-1.412E-02
444	2	-2.410E-02	-1.459E-02
445	1	-2.775E-02	-1.435E-02

NODE	LOAD COMB.	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
445	2	-2.406E-02	-1.489E-02
446	1	-2.769E-02	-1.458E-02
446	2	-2.401E-02	-1.518E-02
447	1	-2.683E-02	-1.383E-02
447	2	-2.292E-02	-1.424E-02
448	1	-2.679E-02	-1.413E-02
448	2	-2.287E-02	-1.459E-02
449	1	-2.675E-02	-1.444E-02
449	2	-2.284E-02	-1.493E-02
450	1	-2.670E-02	-1.474E-02
450	2	-2.279E-02	-1.528E-02
451	1	-2.666E-02	-1.504E-02
451	2	-2.275E-02	-1.562E-02
452	1	-2.545E-02	-1.402E-02
452	2	-2.139E-02	-1.451E-02
453	1	-2.541E-02	-1.439E-02
453	2	-2.136E-02	-1.489E-02
454	1	-2.536E-02	-1.476E-02
454	2	-2.132E-02	-1.527E-02
455	1	-2.532E-02	-1.513E-02
455	2	-2.129E-02	-1.566E-02
456	1	-2.527E-02	-1.550E-02
456	2	-2.125E-02	-1.605E-02
457	1	-2.455E-02	-1.404E-02
457	2	-2.050E-02	-1.455E-02
458	1	-2.452E-02	-1.449E-02
458	2	-2.048E-02	-1.500E-02
459	1	-2.449E-02	-1.492E-02
459	2	-2.045E-02	-1.544E-02
460	1	-2.445E-02	-1.532E-02
460	2	-2.042E-02	-1.584E-02
461	1	-2.441E-02	-1.572E-02
461	2	-2.038E-02	-1.625E-02
462	1	-2.351E-02	-1.402E-02
462	2	-1.951E-02	-1.455E-02
463	1	-2.355E-02	-1.462E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
463	2	-1.955E-02	-1.514E-02
464	1	-2.357E-02	-1.508E-02
464	2	-1.955E-02	-1.560E-02
465	1	-2.357E-02	-1.549E-02
465	2	-1.955E-02	-1.602E-02
466	1	-2.356E-02	-1.582E-02
466	2	-1.955E-02	-1.634E-02
467	1	-2.480E-02	-1.257E-02
467	2	-2.071E-02	-1.319E-02
468	1	-2.383E-02	-1.252E-02
468	2	-1.983E-02	-1.315E-02
469	1	-2.288E-02	-1.249E-02
469	2	-1.895E-02	-1.312E-02
470	1	-2.396E-02	-1.086E-02
470	2	-1.991E-02	-1.170E-02
471	1	-2.309E-02	-1.083E-02
471	2	-1.913E-02	-1.167E-02
472	1	-2.214E-02	-1.079E-02
472	2	-1.833E-02	-1.164E-02
473	1	-2.308E-02	-8.988E-03
473	2	-1.909E-02	-1.014E-02
474	1	-2.216E-02	-8.954E-03
474	2	-1.833E-02	-1.012E-02
475	1	-2.124E-02	-8.929E-03
475	2	-1.758E-02	-1.009E-02
476	1	-2.207E-02	-6.945E-03
476	2	-1.823E-02	-8.536E-03
477	1	-2.119E-02	-6.923E-03
477	2	-1.752E-02	-8.516E-03
478	1	-2.027E-02	-6.893E-03
478	2	-1.680E-02	-8.493E-03
479	1	-2.119E-02	-4.775E-03
479	2	-1.748E-02	-6.886E-03
480	1	-2.024E-02	-4.746E-03
480	2	-1.676E-02	-6.863E-03
481	1	-1.928E-02	-4.723E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
481	2	-1.602E-02	-6.842E-03
482	1	-2.026E-02	-2.482E-03
482	2	-1.674E-02	-5.188E-03
483	1	-1.928E-02	-2.459E-03
483	2	-1.600E-02	-5.168E-03
484	1	-1.826E-02	-2.433E-03
484	2	-1.524E-02	-5.147E-03
485	1	-1.911E-02	-1.031E-04
485	2	-1.584E-02	-3.452E-03
486	1	-1.808E-02	-7.916E-05
486	2	-1.508E-02	-3.432E-03
487	1	-1.705E-02	-5.752E-05
487	2	-1.432E-02	-3.414E-03
488	1	-1.792E-02	2.321E-03
488	2	-1.493E-02	-1.704E-03
489	1	-1.689E-02	2.343E-03
489	2	-1.417E-02	-1.685E-03
490	1	-1.586E-02	2.363E-03
490	2	-1.342E-02	-1.669E-03
491	1	-1.636E-02	5.555E-03
491	2	-1.374E-02	6.042E-04
492	1	-1.534E-02	5.574E-03
492	2	-1.300E-02	6.212E-04
493	1	-1.431E-02	5.594E-03
493	2	-1.225E-02	6.387E-04
494	1	-1.485E-02	8.741E-03
494	2	-1.260E-02	2.858E-03
495	1	-1.384E-02	8.761E-03
495	2	-1.187E-02	2.876E-03
496	1	-1.284E-02	8.777E-03
496	2	-1.115E-02	2.891E-03
497	1	-1.338E-02	1.183E-02
497	2	-1.150E-02	5.031E-03
498	1	-1.241E-02	1.185E-02
498	2	-1.081E-02	5.046E-03
499	1	-1.144E-02	1.187E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
499	2	-1.011E-02	5.062E-03
500	1	-1.200E-02	1.481E-02
500	2	-1.047E-02	7.102E-03
501	1	-1.106E-02	1.483E-02
501	2	-9.809E-03	7.119E-03
502	1	-1.014E-02	1.484E-02
502	2	-9.159E-03	7.132E-03
503	1	-1.068E-02	1.765E-02
503	2	-9.503E-03	9.059E-03
504	1	-9.808E-03	1.767E-02
504	2	-8.886E-03	9.072E-03
505	1	-8.919E-03	1.768E-02
505	2	-8.261E-03	9.088E-03
506	1	-9.478E-03	2.033E-02
506	2	-8.613E-03	1.088E-02
507	1	-8.631E-03	2.035E-02
507	2	-8.021E-03	1.089E-02
508	1	-7.814E-03	2.036E-02
508	2	-7.454E-03	1.090E-02
509	1	-8.171E-03	2.284E-02
509	2	-7.656E-03	1.257E-02
510	1	-7.481E-03	2.285E-02
510	2	-7.183E-03	1.258E-02
511	1	-6.780E-03	2.286E-02
511	2	-6.701E-03	1.259E-02
512	1	-7.141E-03	2.514E-02
512	2	-6.901E-03	1.407E-02
513	1	-6.492E-03	2.515E-02
513	2	-6.462E-03	1.409E-02
514	1	-5.871E-03	2.516E-02
514	2	-6.046E-03	1.410E-02
515	1	-6.197E-03	2.722E-02
515	2	-6.214E-03	1.541E-02
516	1	-5.627E-03	2.723E-02
516	2	-5.839E-03	1.542E-02
517	1	-5.046E-03	2.724E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
517	2	-5.457E-03	1.543E-02
518	1	-5.366E-03	2.909E-02
518	2	-5.617E-03	1.657E-02
519	1	-4.835E-03	2.910E-02
519	2	-5.275E-03	1.658E-02
520	1	-4.331E-03	2.911E-02
520	2	-4.955E-03	1.659E-02
521	1	-4.611E-03	3.077E-02
521	2	-5.080E-03	1.758E-02
522	1	-4.153E-03	3.077E-02
522	2	-4.797E-03	1.758E-02
523	1	-3.687E-03	3.078E-02
523	2	-4.508E-03	1.759E-02
524	1	-3.857E-03	3.224E-02
524	2	-4.558E-03	1.841E-02
525	1	-3.483E-03	3.225E-02
525	2	-4.333E-03	1.842E-02
526	1	-3.139E-03	3.225E-02
526	2	-4.135E-03	1.843E-02
527	1	-3.167E-03	3.347E-02
527	2	-4.075E-03	1.903E-02
528	1	-2.912E-03	3.348E-02
528	2	-3.942E-03	1.904E-02
529	1	-2.651E-03	3.348E-02
529	2	-3.805E-03	1.905E-02
530	1	-2.670E-03	3.441E-02
530	2	-3.728E-03	1.939E-02
531	1	-2.462E-03	3.442E-02
531	2	-3.638E-03	1.940E-02
532	1	-2.276E-03	3.443E-02
532	2	-3.568E-03	1.941E-02
533	1	-2.258E-03	3.509E-02
533	2	-3.454E-03	1.952E-02
534	1	-2.120E-03	3.510E-02
534	2	-3.427E-03	1.953E-02
535	1	-1.977E-03	3.511E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
535	2	-3.396E-03	1.954E-02
536	1	-1.945E-03	3.553E-02
536	2	-3.266E-03	1.942E-02
537	1	-1.847E-03	3.553E-02
537	2	-3.276E-03	1.944E-02
538	1	-1.767E-03	3.554E-02
538	2	-3.301E-03	1.944E-02
539	1	-1.698E-03	3.574E-02
539	2	-3.134E-03	1.913E-02
540	1	-1.658E-03	3.574E-02
540	2	-3.196E-03	1.914E-02
541	1	-1.614E-03	3.575E-02
541	2	-3.255E-03	1.915E-02
542	1	-1.527E-03	3.574E-02
542	2	-3.068E-03	1.865E-02
543	1	-1.520E-03	3.575E-02
543	2	-3.161E-03	1.866E-02
544	1	-1.527E-03	3.576E-02
544	2	-3.266E-03	1.867E-02
545	1	-1.404E-03	3.557E-02
545	2	-3.042E-03	1.801E-02
546	1	-1.443E-03	3.558E-02
546	2	-3.177E-03	1.802E-02
547	1	-1.479E-03	3.558E-02
547	2	-3.308E-03	1.803E-02
548	1	-1.336E-03	3.524E-02
548	2	-3.064E-03	1.722E-02
549	1	-1.401E-03	3.525E-02
549	2	-3.223E-03	1.723E-02
550	1	-1.477E-03	3.525E-02
550	2	-3.390E-03	1.724E-02
551	1	-1.300E-03	3.477E-02
551	2	-3.112E-03	1.631E-02
552	1	-1.400E-03	3.478E-02
552	2	-3.301E-03	1.632E-02
553	1	-1.498E-03	3.479E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
553	2	-3.488E-03	1.633E-02
554	1	-1.300E-03	3.418E-02
554	2	-3.190E-03	1.530E-02
555	1	-1.420E-03	3.419E-02
555	2	-3.396E-03	1.531E-02
556	1	-1.546E-03	3.420E-02
556	2	-3.608E-03	1.532E-02
557	1	-1.321E-03	3.350E-02
557	2	-3.283E-03	1.421E-02
558	1	-1.464E-03	3.351E-02
558	2	-3.508E-03	1.422E-02
559	1	-1.605E-03	3.352E-02
559	2	-3.732E-03	1.423E-02
560	1	-1.355E-03	3.283E-02
560	2	-3.377E-03	1.321E-02
561	1	-1.512E-03	3.284E-02
561	2	-3.611E-03	1.322E-02
562	1	-1.674E-03	3.285E-02
562	2	-3.849E-03	1.323E-02
563	1	-1.429E-03	3.210E-02
563	2	-3.518E-03	1.216E-02
564	1	-1.616E-03	3.210E-02
564	2	-3.781E-03	1.217E-02
565	1	-1.792E-03	3.211E-02
565	2	-4.028E-03	1.218E-02
566	1	-1.495E-03	3.129E-02
566	2	-3.635E-03	1.106E-02
567	1	-1.688E-03	3.130E-02
567	2	-3.896E-03	1.107E-02
568	1	-1.886E-03	3.130E-02
568	2	-4.159E-03	1.108E-02
569	1	-1.557E-03	3.041E-02
569	2	-3.743E-03	9.911E-03
570	1	-1.770E-03	3.041E-02
570	2	-4.013E-03	9.925E-03
571	1	-1.983E-03	3.042E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
571	2	-4.285E-03	9.939E-03
572	1	-1.633E-03	2.947E-02
572	2	-3.856E-03	8.742E-03
573	1	-1.857E-03	2.948E-02
573	2	-4.130E-03	8.755E-03
574	1	-2.083E-03	2.948E-02
574	2	-4.403E-03	8.770E-03
575	1	-1.715E-03	2.849E-02
575	2	-3.973E-03	7.587E-03
576	1	-1.945E-03	2.850E-02
576	2	-4.237E-03	7.602E-03
577	1	-2.178E-03	2.851E-02
577	2	-4.503E-03	7.617E-03
578	1	-1.798E-03	2.750E-02
578	2	-4.080E-03	6.486E-03
579	1	-2.032E-03	2.751E-02
579	2	-4.332E-03	6.499E-03
580	1	-2.264E-03	2.752E-02
580	2	-4.576E-03	6.517E-03
581	1	-1.875E-03	2.666E-02
581	2	-4.177E-03	5.621E-03
582	1	-2.068E-03	2.667E-02
582	2	-4.353E-03	5.637E-03
583	1	-2.263E-03	2.668E-02
583	2	-4.535E-03	5.650E-03
584	1	-1.949E-03	2.584E-02
584	2	-4.239E-03	4.921E-03
585	1	-2.135E-03	2.585E-02
585	2	-4.380E-03	4.931E-03
586	1	-2.317E-03	2.586E-02
586	2	-4.507E-03	4.950E-03
587	1	-1.978E-03	2.507E-02
587	2	-4.249E-03	4.408E-03
588	1	-2.150E-03	2.508E-02
588	2	-4.329E-03	4.426E-03
589	1	-2.323E-03	2.509E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
589	2	-4.412E-03	4.438E-03
590	1	-1.993E-03	2.436E-02
590	2	-4.214E-03	4.152E-03
591	1	-2.153E-03	2.437E-02
591	2	-4.247E-03	4.163E-03
592	1	-2.310E-03	2.438E-02
592	2	-4.267E-03	4.184E-03
593	1	-1.994E-03	2.370E-02
593	2	-4.142E-03	4.094E-03
594	1	-2.141E-03	2.371E-02
594	2	-4.121E-03	4.112E-03
595	1	-2.289E-03	2.372E-02
595	2	-4.103E-03	4.126E-03
596	1	-1.979E-03	2.308E-02
596	2	-4.028E-03	4.208E-03
597	1	-2.120E-03	2.309E-02
597	2	-3.976E-03	4.221E-03
598	1	-2.258E-03	2.311E-02
598	2	-3.916E-03	4.240E-03
599	1	-1.954E-03	2.249E-02
599	2	-3.892E-03	4.449E-03
600	1	-2.087E-03	2.251E-02
600	2	-3.806E-03	4.466E-03
601	1	-2.221E-03	2.252E-02
601	2	-3.722E-03	4.481E-03
602	1	-1.919E-03	2.192E-02
602	2	-3.731E-03	4.793E-03
603	1	-2.050E-03	2.194E-02
603	2	-3.627E-03	4.807E-03
604	1	-2.181E-03	2.195E-02
604	2	-3.520E-03	4.824E-03
605	1	-1.876E-03	2.136E-02
605	2	-3.559E-03	5.205E-03
606	1	-2.008E-03	2.137E-02
606	2	-3.438E-03	5.221E-03
607	1	-2.137E-03	2.139E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
607	2	-3.320E-03	5.236E-03
608	1	-1.828E-03	2.080E-02
608	2	-3.375E-03	5.662E-03
609	1	-1.960E-03	2.081E-02
609	2	-3.248E-03	5.678E-03
610	1	-2.093E-03	2.082E-02
610	2	-3.121E-03	5.694E-03
611	1	-1.775E-03	2.022E-02
611	2	-3.186E-03	6.138E-03
612	1	-1.912E-03	2.024E-02
612	2	-3.058E-03	6.154E-03
613	1	-2.049E-03	2.025E-02
613	2	-2.929E-03	6.169E-03
614	1	-1.716E-03	1.963E-02
614	2	-2.995E-03	6.612E-03
615	1	-1.858E-03	1.964E-02
615	2	-2.869E-03	6.629E-03
616	1	-1.990E-03	1.965E-02
616	2	-2.752E-03	6.642E-03
617	1	-1.654E-03	1.901E-02
617	2	-2.804E-03	7.069E-03
618	1	-1.804E-03	1.902E-02
618	2	-2.685E-03	7.085E-03
619	1	-1.954E-03	1.904E-02
619	2	-2.565E-03	7.100E-03
620	1	-1.591E-03	1.836E-02
620	2	-2.619E-03	7.490E-03
621	1	-1.751E-03	1.837E-02
621	2	-2.510E-03	7.507E-03
622	1	-1.911E-03	1.838E-02
622	2	-2.404E-03	7.521E-03
623	1	-1.528E-03	1.766E-02
623	2	-2.437E-03	7.860E-03
624	1	-1.699E-03	1.767E-02
624	2	-2.344E-03	7.875E-03
625	1	-1.871E-03	1.769E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
625	2	-2.251E-03	7.891E-03
626	1	-1.456E-03	1.704E-02
626	2	-2.300E-03	8.117E-03
627	1	-1.636E-03	1.706E-02
627	2	-2.221E-03	8.134E-03
628	1	-1.819E-03	1.707E-02
628	2	-2.145E-03	8.147E-03
629	1	-1.421E-03	1.640E-02
629	2	-2.151E-03	8.326E-03
630	1	-1.613E-03	1.641E-02
630	2	-2.090E-03	8.341E-03
631	1	-1.805E-03	1.643E-02
631	2	-2.028E-03	8.357E-03
632	1	-1.363E-03	1.571E-02
632	2	-2.013E-03	8.470E-03
633	1	-1.569E-03	1.572E-02
633	2	-1.971E-03	8.488E-03
634	1	-1.776E-03	1.573E-02
634	2	-1.933E-03	8.500E-03
635	1	-1.305E-03	1.497E-02
635	2	-1.879E-03	8.544E-03
636	1	-1.527E-03	1.498E-02
636	2	-1.862E-03	8.558E-03
637	1	-1.748E-03	1.500E-02
637	2	-1.844E-03	8.575E-03
638	1	-1.248E-03	1.418E-02
638	2	-1.755E-03	8.541E-03
639	1	-1.484E-03	1.419E-02
639	2	-1.758E-03	8.559E-03
640	1	-1.721E-03	1.421E-02
640	2	-1.764E-03	8.571E-03
641	1	-1.190E-03	1.335E-02
641	2	-1.635E-03	8.469E-03
642	1	-1.441E-03	1.336E-02
642	2	-1.661E-03	8.483E-03
643	1	-1.691E-03	1.338E-02

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
643	2	-1.688E-03	8.500E-03
644	1	-1.124E-03	1.247E-02
644	2	-1.524E-03	8.326E-03
645	1	-1.382E-03	1.249E-02
645	2	-1.566E-03	8.344E-03
646	1	-1.645E-03	1.250E-02
646	2	-1.613E-03	8.357E-03
647	1	-1.158E-03	1.156E-02
647	2	-1.423E-03	8.120E-03
648	1	-1.389E-03	1.157E-02
648	2	-1.483E-03	8.133E-03
649	1	-1.622E-03	1.159E-02
649	2	-1.543E-03	8.148E-03
650	1	-1.064E-03	1.055E-02
650	2	-1.286E-03	7.788E-03
651	1	-1.319E-03	1.057E-02
651	2	-1.377E-03	7.805E-03
652	1	-1.576E-03	1.058E-02
652	2	-1.470E-03	7.816E-03
653	1	-9.746E-04	9.460E-03
653	2	-1.156E-03	7.335E-03
654	1	-1.253E-03	9.474E-03
654	2	-1.279E-03	7.348E-03
655	1	-1.532E-03	9.490E-03
655	2	-1.401E-03	7.364E-03
656	1	-8.844E-04	8.279E-03
656	2	-1.033E-03	6.764E-03
657	1	-1.182E-03	8.294E-03
657	2	-1.182E-03	6.781E-03
658	1	-1.480E-03	8.308E-03
658	2	-1.332E-03	6.793E-03
659	1	-7.985E-04	7.030E-03
659	2	-9.180E-04	6.097E-03
660	1	-1.114E-03	7.044E-03
660	2	-1.092E-03	6.110E-03
661	1	-1.429E-03	7.060E-03

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
661	2	-1.265E-03	6.126E-03
662	1	-7.092E-04	5.715E-03
662	2	-8.052E-04	5.336E-03
663	1	-1.038E-03	5.730E-03
663	2	-9.988E-04	5.351E-03
664	1	-1.367E-03	5.746E-03
664	2	-1.193E-03	5.365E-03
665	1	-6.210E-04	4.358E-03
665	2	-6.975E-04	4.507E-03
666	1	-9.603E-04	4.373E-03
666	2	-9.079E-04	4.521E-03
667	1	-1.299E-03	4.390E-03
667	2	-1.118E-03	4.537E-03
668	1	-5.344E-04	2.967E-03
668	2	-5.945E-04	3.621E-03
669	1	-8.794E-04	2.982E-03
669	2	-8.159E-04	3.636E-03
670	1	-1.224E-03	2.999E-03
670	2	-1.037E-03	3.651E-03
671	1	-4.445E-04	1.563E-03
671	2	-4.934E-04	2.701E-03
672	1	-7.909E-04	1.578E-03
672	2	-7.217E-04	2.715E-03
673	1	-1.137E-03	1.595E-03
673	2	-9.499E-04	2.731E-03
674	1	-3.540E-04	1.674E-04
674	2	-3.948E-04	1.768E-03
675	1	-6.963E-04	1.809E-04
675	2	-6.238E-04	1.781E-03
676	1	-1.038E-03	2.019E-04
676	2	-8.521E-04	1.799E-03
677	1	-2.691E-04	-9.234E-04
677	2	-3.076E-04	1.030E-03
678	1	-5.974E-04	-9.059E-04
678	2	-5.297E-04	1.046E-03
679	1	-9.261E-04	-8.870E-04

NODE	LOAD COMB	X-DISPLACEMENT (RADIAL)	Y-DISPLACEMENT (AXIAL)
679	2	-7.519E-04	1.063E-03
680	1	-1.892E-04	-1.952E-03
680	2	-2.254E-04	3.300E-04
681	1	-4.960E-04	-1.940E-03
681	2	-4.332E-04	3.420E-04
682	1	-8.036E-04	-1.914E-03
682	2	-6.406E-04	3.636E-04
683	1	-1.143E-04	-2.900E-03
683	2	-1.497E-04	-3.141E-04
684	1	-3.887E-04	-2.881E-03
684	2	-3.355E-04	-2.972E-04
685	1	-6.635E-04	-2.861E-03
685	2	-5.216E-04	-2.800E-04
686	1	-3.885E-05	-3.716E-03
686	2	-7.357E-05	-8.673E-04
687	1	-2.711E-04	-3.708E-03
687	2	-2.301E-04	-8.579E-04
688	1	-5.054E-04	-3.675E-03
688	2	-3.870E-04	-8.320E-04
689	1	3.257E-05	-4.387E-03
689	2	-1.842E-06	-1.319E-03
690	1	-1.369E-04	-4.366E-03
690	2	-1.163E-04	-1.301E-03
691	1	-3.059E-04	-4.345E-03
691	2	-2.303E-04	-1.283E-03
692	1	7.996E-05	-4.806E-03
692	2	5.336E-05	-1.604E-03
693	1	2.827E-07	-4.816E-03
693	2	-5.542E-07	-1.607E-03
694	1	-7.703E-05	-4.763E-03
694	2	-5.760E-05	-1.568E-03

****

5620 SOUTHK65

****

MICAS REV 3.4 FINITE ELEMENT ANALYSIS

AXI-SYMETRIC 11/21/88 16:04:08

****
* STRESSES *
****

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
1	1	-40.122	-16.276	-40.930	0.111	-16.275	-40.123	89.731
1	2	-39.965	-16.277	-40.772	0.111	-16.276	-39.966	89.731
2	1	-39.017	-12.052	-41.075	-0.839	-12.026	-39.043	91.781
2	2	-38.861	-12.052	-40.912	-0.836	-12.026	-38.887	91.785
3	1	-38.929	-11.902	-40.801	0.640	-11.887	-38.944	88.642
3	2	-38.773	-11.901	-40.638	0.637	-11.886	-38.788	88.641
4	1	-40.094	-16.012	-40.685	-0.448	-16.004	-40.102	91.067
4	2	-39.937	-16.013	-40.526	-0.447	-16.005	-39.945	91.072
5	1	-41.253	-16.509	-40.971	0.111	-16.509	-41.254	89.741
5	2	-41.091	-16.509	-40.811	0.111	-16.508	-41.091	89.741
6	1	-41.494	-17.294	-41.232	-0.019	-17.294	-41.494	90.047
6	2	-41.331	-17.294	-41.072	-0.019	-17.294	-41.331	90.047
7	1	-41.471	-17.194	-41.196	-0.046	-17.194	-41.471	90.109
7	2	-41.309	-17.194	-41.036	-0.046	-17.194	-41.309	90.109
8	1	-41.346	-16.307	-40.897	0.057	-16.307	-41.346	89.868
8	2	-41.184	-16.307	-40.737	0.058	-16.306	-41.184	89.866
9	1	-41.333	-17.344	-41.285	0.001	-17.344	-41.333	89.996
9	2	-41.171	-17.344	-41.124	0.001	-17.344	-41.171	89.996
10	1	-41.341	-17.268	-41.255	0.043	-17.268	-41.341	89.895
10	2	-41.179	-17.268	-41.094	0.043	-17.268	-41.179	89.895
11	1	-41.316	-17.168	-41.225	0.017	-17.168	-41.316	89.958
11	2	-41.155	-17.168	-41.065	0.017	-17.168	-41.155	89.958
12	1	-41.318	-17.113	-41.227	0.002	-17.113	-41.318	89.994
12	2	-41.157	-17.113	-41.066	0.002	-17.113	-41.157	89.994
13	1	-41.336	-17.347	-41.295	0.001	-17.347	-41.336	89.996
13	2	-41.175	-17.347	-41.134	0.001	-17.347	-41.175	89.996

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
14	1	-41.320	-17.291	-41.286	0.005	-17.291	-41.320	89.985
14	2	-41.159	-17.291	-41.125	0.005	-17.291	-41.159	89.985
15	1	-41.292	-17.172	-41.257	0.005	-17.172	-41.292	89.987
15	2	-41.130	-17.172	-41.096	0.005	-17.172	-41.130	89.987
16	1	-41.282	-17.107	-41.233	0.003	-17.107	-41.282	89.991
16	2	-41.121	-17.107	-41.072	0.003	-17.107	-41.121	89.991
17	1	-41.326	-17.340	-41.304	-0.000	-17.340	-41.326	90.000
17	2	-41.165	-17.340	-41.143	-0.000	-17.340	-41.165	90.000
18	1	-41.319	-17.290	-41.287	-0.004	-17.290	-41.319	90.009
18	2	-41.158	-17.290	-41.126	-0.004	-17.290	-41.158	90.010
19	1	-41.290	-17.172	-41.259	-0.004	-17.172	-41.290	90.011
19	2	-41.128	-17.172	-41.098	-0.004	-17.172	-41.128	90.011
20	1	-41.270	-17.111	-41.249	0.001	-17.111	-41.270	89.997
20	2	-41.109	-17.111	-41.088	0.001	-17.111	-41.109	89.997
21	1	-41.328	-17.340	-41.310	-0.000	-17.340	-41.328	90.000
21	2	-41.167	-17.340	-41.149	-0.000	-17.340	-41.167	90.000
22	1	-41.308	-17.288	-41.293	0.005	-17.288	-41.308	89.987
22	2	-41.147	-17.288	-41.131	0.005	-17.288	-41.147	89.987
23	1	-41.279	-17.170	-41.264	0.005	-17.170	-41.279	89.988
23	2	-41.118	-17.170	-41.103	0.005	-17.170	-41.118	89.988
24	1	-41.263	-17.110	-41.252	-0.000	-17.110	-41.263	90.001
24	2	-41.102	-17.110	-41.091	-0.000	-17.110	-41.102	90.001
25	1	-41.323	-17.339	-41.309	0.000	-17.339	-41.323	90.000
25	2	-41.162	-17.339	-41.148	0.000	-17.339	-41.162	90.000
26	1	-41.309	-17.289	-41.296	-0.004	-17.289	-41.309	90.010
26	2	-41.148	-17.289	-41.135	-0.004	-17.289	-41.148	90.010
27	1	-41.281	-17.171	-41.267	-0.004	-17.171	-41.281	90.010
27	2	-41.120	-17.171	-41.106	-0.004	-17.171	-41.120	90.011
28	1	-41.267	-17.110	-41.252	0.000	-17.110	-41.267	89.998
28	2	-41.106	-17.110	-41.091	0.000	-17.110	-41.106	89.998
29	1	-41.325	-17.340	-41.309	0.000	-17.340	-41.325	90.000
29	2	-41.164	-17.340	-41.148	0.000	-17.340	-41.164	90.000
30	1	-41.304	-17.284	-41.300	0.005	-17.284	-41.304	89.987
30	2	-41.143	-17.284	-41.138	0.005	-17.284	-41.143	89.986
31	1	-41.276	-17.166	-41.270	0.005	-17.166	-41.276	89.987
31	2	-41.115	-17.166	-41.109	0.005	-17.166	-41.115	89.987
32	1	-41.261	-17.111	-41.253	-0.000	-17.111	-41.261	90.000

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
32	2	-41.099	-17.111	-41.092	-0.000	-17.111	-41.099	90.001
33	1	-41.317	-17.340	-41.313	-0.000	-17.340	-41.317	90.000
33	2	-41.156	-17.340	-41.152	-0.000	-17.340	-41.156	90.000
34	1	-41.304	-17.284	-41.298	-0.004	-17.284	-41.304	90.011
34	2	-41.142	-17.284	-41.137	-0.004	-17.284	-41.142	90.011
35	1	-41.274	-17.166	-41.269	-0.004	-17.166	-41.274	90.011
35	2	-41.113	-17.166	-41.108	-0.004	-17.166	-41.113	90.011
36	1	-41.261	-17.111	-41.257	0.000	-17.111	-41.261	89.999
36	2	-41.099	-17.111	-41.096	0.000	-17.111	-41.099	89.999
37	1	-41.318	-17.339	-41.310	-0.000	-17.339	-41.318	90.000
37	2	-41.156	-17.339	-41.149	-0.000	-17.339	-41.156	90.000
38	1	-41.304	-17.285	-41.300	0.005	-17.285	-41.304	89.987
38	2	-41.143	-17.285	-41.138	0.005	-17.285	-41.143	89.987
39	1	-41.275	-17.167	-41.270	0.005	-17.167	-41.275	89.987
39	2	-41.114	-17.167	-41.109	0.005	-17.167	-41.114	89.987
40	1	-41.261	-17.110	-41.254	-0.000	-17.110	-41.261	90.000
40	2	-41.099	-17.110	-41.093	-0.000	-17.110	-41.099	90.000
41	1	-41.320	-17.340	-41.316	-0.000	-17.340	-41.320	90.000
41	2	-41.159	-17.340	-41.155	-0.000	-17.340	-41.159	90.000
42	1	-41.307	-17.285	-41.302	-0.004	-17.285	-41.307	90.011
42	2	-41.145	-17.285	-41.140	-0.004	-17.285	-41.145	90.011
43	1	-41.278	-17.167	-41.273	-0.004	-17.167	-41.278	90.011
43	2	-41.117	-17.167	-41.112	-0.004	-17.167	-41.117	90.011
44	1	-41.264	-17.111	-41.259	0.000	-17.111	-41.264	89.999
44	2	-41.103	-17.111	-41.098	0.000	-17.111	-41.103	89.999
45	1	-41.317	-17.339	-41.311	-0.000	-17.339	-41.317	90.000
45	2	-41.156	-17.339	-41.150	-0.000	-17.339	-41.156	90.000
46	1	-41.304	-17.287	-41.300	0.005	-17.287	-41.304	89.988
46	2	-41.142	-17.287	-41.138	0.005	-17.287	-41.142	89.987
47	1	-41.275	-17.169	-41.271	0.005	-17.169	-41.275	89.988
47	2	-41.114	-17.169	-41.110	0.005	-17.169	-41.114	89.988
48	1	-41.261	-17.110	-41.255	-0.000	-17.110	-41.261	90.000
48	2	-41.099	-17.110	-41.094	-0.000	-17.110	-41.099	90.000
49	1	-41.314	-17.340	-41.315	0.000	-17.340	-41.314	90.000
49	2	-41.153	-17.340	-41.154	0.000	-17.340	-41.153	90.000
50	1	-41.301	-17.288	-41.300	-0.004	-17.288	-41.301	90.011
50	2	-41.140	-17.288	-41.139	-0.004	-17.288	-41.140	90.011

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
51	1	-41.273	-17.170	-41.272	-0.004	-17.170	-41.273	90.011
51	2	-41.111	-17.170	-41.111	-0.004	-17.170	-41.111	90.011
52	1	-41.259	-17.111	-41.259	0.000	-17.111	-41.259	89.998
52	2	-41.097	-17.111	-41.097	0.000	-17.111	-41.097	89.998
53	1	-41.320	-17.339	-41.316	0.000	-17.339	-41.320	90.000
53	2	-41.158	-17.339	-41.155	0.000	-17.339	-41.158	90.000
54	1	-41.307	-17.290	-41.304	0.005	-17.290	-41.307	89.986
54	2	-41.145	-17.290	-41.143	0.005	-17.290	-41.145	89.986
55	1	-41.278	-17.172	-41.275	0.005	-17.172	-41.278	89.987
55	2	-41.117	-17.172	-41.113	0.005	-17.172	-41.117	89.987
56	1	-41.263	-17.110	-41.260	-0.000	-17.110	-41.263	90.001
56	2	-41.102	-17.110	-41.099	-0.000	-17.110	-41.102	90.001
57	1	-41.319	-17.356	-41.320	0.000	-17.356	-41.319	90.000
57	2	-41.158	-17.356	-41.159	0.000	-17.356	-41.158	90.000
58	1	-41.306	-17.290	-41.299	-0.005	-17.290	-41.306	90.012
58	2	-41.145	-17.290	-41.138	-0.005	-17.290	-41.145	90.012
59	1	-41.275	-17.171	-41.274	-0.005	-17.171	-41.275	90.013
59	2	-41.113	-17.171	-41.113	-0.005	-17.171	-41.113	90.013
60	1	-41.261	-17.127	-41.261	-0.002	-17.127	-41.261	90.005
60	2	-41.100	-17.127	-41.100	-0.002	-17.127	-41.100	90.005
61	1	-41.318	-17.356	-41.321	0.000	-17.356	-41.318	90.000
61	2	-41.157	-17.356	-41.160	0.000	-17.356	-41.157	90.000
62	1	-41.304	-17.287	-41.300	0.005	-17.287	-41.304	89.987
62	2	-41.143	-17.287	-41.139	0.005	-17.287	-41.143	89.987
63	1	-41.273	-17.169	-41.270	0.005	-17.169	-41.273	89.986
63	2	-41.112	-17.169	-41.108	0.005	-17.169	-41.112	89.985
64	1	-41.260	-17.127	-41.263	0.002	-17.127	-41.260	89.995
64	2	-41.099	-17.127	-41.102	0.002	-17.127	-41.099	89.994
65	1	-41.316	-17.333	-41.313	-0.000	-17.333	-41.316	90.000
65	2	-41.154	-17.333	-41.152	-0.000	-17.333	-41.154	90.000
66	1	-41.302	-17.288	-41.300	-0.005	-17.288	-41.302	90.013
66	2	-41.141	-17.288	-41.139	-0.005	-17.288	-41.141	90.013
67	1	-41.274	-17.170	-41.270	-0.004	-17.170	-41.274	90.011
67	2	-41.113	-17.170	-41.109	-0.004	-17.170	-41.113	90.011
68	1	-41.259	-17.105	-41.257	0.002	-17.105	-41.259	89.993
68	2	-41.098	-17.105	-41.096	0.002	-17.105	-41.098	89.993
69	1	-41.315	-17.333	-41.313	-0.000	-17.333	-41.315	90.000

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
69	2	-41.154	-17.333	-41.152	-0.000	-17.333	-41.154	90.000
70	1	-41.309	-17.296	-41.302	0.003	-17.296	-41.309	89.990
70	2	-41.148	-17.296	-41.140	0.003	-17.296	-41.148	89.990
71	1	-41.273	-17.178	-41.273	0.003	-17.178	-41.273	89.991
71	2	-41.112	-17.178	-41.111	0.003	-17.178	-41.112	89.991
72	1	-41.259	-17.104	-41.257	-0.002	-17.104	-41.259	90.006
72	2	-41.097	-17.104	-41.096	-0.002	-17.104	-41.097	90.006
73	1	-41.315	-17.339	-41.316	0.000	-17.339	-41.315	89.999
73	2	-41.154	-17.339	-41.155	0.000	-17.339	-41.154	89.999
74	1	-41.302	-17.296	-41.303	-0.003	-17.296	-41.302	90.008
74	2	-41.140	-17.296	-41.142	-0.003	-17.296	-41.140	90.008
75	1	-41.278	-17.178	-41.273	-0.003	-17.178	-41.278	90.009
75	2	-41.117	-17.178	-41.111	-0.003	-17.178	-41.117	90.009
76	1	-41.257	-17.110	-41.258	0.000	-17.110	-41.257	89.998
76	2	-41.095	-17.110	-41.097	0.000	-17.110	-41.095	89.998
77	1	-41.321	-17.340	-41.316	0.000	-17.340	-41.321	89.999
77	2	-41.160	-17.340	-41.154	0.000	-17.340	-41.160	89.999
78	1	-41.300	-17.278	-41.302	0.006	-17.278	-41.300	89.985
78	2	-41.138	-17.278	-41.140	0.006	-17.278	-41.138	89.985
79	1	-41.271	-17.160	-41.273	0.006	-17.160	-41.271	89.985
79	2	-41.110	-17.160	-41.111	0.006	-17.160	-41.110	89.985
80	1	-41.257	-17.110	-41.259	-0.000	-17.110	-41.257	90.001
80	2	-41.095	-17.110	-41.097	-0.000	-17.110	-41.095	90.001
81	1	-41.320	-17.347	-41.316	-0.000	-17.347	-41.320	90.000
81	2	-41.159	-17.347	-41.155	-0.000	-17.347	-41.159	90.000
82	1	-41.299	-17.278	-41.302	-0.005	-17.278	-41.299	90.014
82	2	-41.138	-17.278	-41.141	-0.005	-17.278	-41.138	90.014
83	1	-41.270	-17.159	-41.274	-0.006	-17.159	-41.270	90.014
83	2	-41.109	-17.159	-41.113	-0.006	-17.159	-41.109	90.014
84	1	-41.263	-17.118	-41.260	-0.000	-17.118	-41.263	90.001
84	2	-41.102	-17.118	-41.099	-0.000	-17.118	-41.102	90.001
85	1	-41.313	-17.346	-41.318	-0.000	-17.346	-41.313	90.000
85	2	-41.152	-17.346	-41.157	-0.000	-17.346	-41.152	90.000
86	1	-41.307	-17.297	-41.305	0.003	-17.297	-41.307	89.990
86	2	-41.146	-17.297	-41.144	0.003	-17.297	-41.146	89.990
87	1	-41.277	-17.178	-41.275	0.004	-17.178	-41.277	89.989
87	2	-41.115	-17.178	-41.113	0.004	-17.178	-41.115	89.989

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
88	1	-41.262	-17.117	-41.260	0.000	-17.117	-41.262	89.998
88	2	-41.101	-17.117	-41.099	0.000	-17.117	-41.101	89.998
89	1	-41.311	-17.331	-41.317	0.000	-17.331	-41.311	89.999
89	2	-41.150	-17.331	-41.156	0.000	-17.331	-41.150	89.999
90	1	-41.307	-17.297	-41.304	-0.004	-17.297	-41.307	90.009
90	2	-41.145	-17.297	-41.143	-0.004	-17.297	-41.145	90.009
91	1	-41.277	-17.179	-41.276	-0.003	-17.179	-41.277	90.008
91	2	-41.115	-17.179	-41.115	-0.003	-17.179	-41.115	90.008
92	1	-41.254	-17.102	-41.254	0.003	-17.102	-41.254	89.991
92	2	-41.093	-17.102	-41.093	0.003	-17.102	-41.093	89.991
93	1	-41.318	-17.332	-41.317	0.000	-17.332	-41.318	89.999
93	2	-41.157	-17.332	-41.156	0.000	-17.332	-41.157	89.999
94	1	-41.305	-17.292	-41.304	0.004	-17.292	-41.305	89.988
94	2	-41.144	-17.292	-41.143	0.004	-17.292	-41.144	89.988
95	1	-41.277	-17.174	-41.276	0.004	-17.174	-41.277	89.990
95	2	-41.115	-17.174	-41.115	0.004	-17.174	-41.115	89.990
96	1	-41.254	-17.102	-41.254	-0.003	-17.102	-41.254	90.008
96	2	-41.093	-17.102	-41.093	-0.003	-17.102	-41.093	90.008
97	1	-41.319	-17.347	-41.319	0.000	-17.347	-41.319	89.999
97	2	-41.158	-17.347	-41.158	0.000	-17.347	-41.158	89.999
98	1	-41.306	-17.291	-41.306	-0.004	-17.291	-41.306	90.010
98	2	-41.145	-17.291	-41.145	-0.004	-17.291	-41.145	90.010
99	1	-41.275	-17.173	-41.274	-0.004	-17.173	-41.275	90.011
99	2	-41.114	-17.173	-41.113	-0.004	-17.173	-41.114	90.011
100	1	-41.261	-17.118	-41.261	-0.001	-17.118	-41.261	90.004
100	2	-41.100	-17.118	-41.100	-0.001	-17.118	-41.100	90.004
101	1	-41.319	-17.347	-41.318	0.000	-17.347	-41.319	89.999
101	2	-41.158	-17.347	-41.157	0.000	-17.347	-41.158	89.999
102	1	-41.304	-17.277	-41.297	0.006	-17.277	-41.304	89.984
102	2	-41.143	-17.277	-41.136	0.006	-17.277	-41.143	89.984
103	1	-41.268	-17.158	-41.268	0.006	-17.158	-41.268	89.984
103	2	-41.107	-17.158	-41.106	0.006	-17.158	-41.107	89.984
104	1	-41.261	-17.119	-41.262	0.001	-17.119	-41.261	89.996
104	2	-41.100	-17.119	-41.101	0.001	-17.119	-41.100	89.996
105	1	-41.318	-17.345	-41.318	-0.000	-17.345	-41.318	90.000
105	2	-41.157	-17.345	-41.157	-0.000	-17.345	-41.157	90.000
106	1	-41.304	-17.277	-41.298	-0.006	-17.277	-41.304	90.015

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
106	2	-41.143	-17.277	-41.136	-0.006	-17.277	-41.143	90.015
107	1	-41.275	-17.158	-41.269	-0.006	-17.158	-41.275	90.015
107	2	-41.114	-17.158	-41.108	-0.006	-17.158	-41.114	90.015
108	1	-41.261	-17.116	-41.262	-0.000	-17.116	-41.261	90.001
108	2	-41.099	-17.116	-41.101	-0.000	-17.116	-41.099	90.001
109	1	-41.318	-17.344	-41.320	-0.000	-17.344	-41.318	90.000
109	2	-41.157	-17.344	-41.158	-0.000	-17.344	-41.157	90.000
110	1	-41.305	-17.293	-41.307	0.003	-17.293	-41.305	89.990
110	2	-41.144	-17.293	-41.145	0.003	-17.293	-41.144	89.990
111	1	-41.274	-17.175	-41.275	0.004	-17.175	-41.274	89.989
111	2	-41.113	-17.175	-41.114	0.004	-17.175	-41.113	89.989
112	1	-41.260	-17.115	-41.261	0.000	-17.115	-41.260	89.998
112	2	-41.099	-17.115	-41.099	0.000	-17.115	-41.099	89.998
113	1	-41.317	-17.328	-41.311	0.000	-17.328	-41.317	90.000
113	2	-41.156	-17.328	-41.149	0.000	-17.328	-41.156	90.000
114	1	-41.304	-17.293	-41.305	-0.004	-17.293	-41.304	90.009
114	2	-41.143	-17.293	-41.144	-0.004	-17.293	-41.143	90.010
115	1	-41.276	-17.176	-41.277	-0.003	-17.176	-41.276	90.008
115	2	-41.115	-17.176	-41.115	-0.003	-17.176	-41.115	90.008
116	1	-41.261	-17.099	-41.254	0.003	-17.099	-41.261	89.991
116	2	-41.099	-17.099	-41.093	0.003	-17.099	-41.099	89.991
117	1	-41.317	-17.329	-41.311	0.000	-17.329	-41.317	90.000
117	2	-41.156	-17.329	-41.150	0.000	-17.329	-41.156	90.000
118	1	-41.304	-17.290	-41.306	0.004	-17.290	-41.304	89.989
118	2	-41.143	-17.290	-41.145	0.004	-17.290	-41.143	89.988
119	1	-41.276	-17.172	-41.277	0.004	-17.172	-41.276	89.990
119	2	-41.115	-17.172	-41.115	0.004	-17.172	-41.115	89.990
120	1	-41.261	-17.099	-41.254	-0.003	-17.099	-41.261	90.008
120	2	-41.099	-17.099	-41.093	-0.003	-17.099	-41.099	90.008
121	1	-41.318	-17.345	-41.314	0.000	-17.345	-41.318	89.999
121	2	-41.156	-17.345	-41.153	0.000	-17.345	-41.156	89.999
122	1	-41.304	-17.290	-41.300	-0.004	-17.290	-41.304	90.010
122	2	-41.143	-17.290	-41.139	-0.004	-17.290	-41.143	90.010
123	1	-41.274	-17.171	-41.277	-0.004	-17.171	-41.274	90.011
123	2	-41.113	-17.171	-41.115	-0.004	-17.171	-41.113	90.011
124	1	-41.260	-17.116	-41.262	-0.001	-17.116	-41.260	90.002
124	2	-41.099	-17.116	-41.101	-0.001	-17.116	-41.099	90.002

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
125	1	-41.318	-17.345	-41.319	0.000	-17.345	-41.318	89.999
125	2	-41.156	-17.345	-41.158	0.000	-17.345	-41.156	89.999
126	1	-41.303	-17.280	-41.298	0.006	-17.280	-41.303	89.985
126	2	-41.142	-17.280	-41.137	0.006	-17.280	-41.142	89.985
127	1	-41.274	-17.161	-41.269	0.006	-17.161	-41.274	89.985
127	2	-41.113	-17.161	-41.108	0.006	-17.161	-41.113	89.985
128	1	-41.260	-17.116	-41.263	0.000	-17.116	-41.260	89.998
128	2	-41.099	-17.116	-41.102	0.000	-17.116	-41.099	89.998
129	1	-41.317	-17.343	-41.320	-0.000	-17.343	-41.317	90.000
129	2	-41.156	-17.343	-41.158	-0.000	-17.343	-41.156	90.000
130	1	-41.303	-17.280	-41.298	-0.005	-17.280	-41.303	90.014
130	2	-41.142	-17.280	-41.137	-0.005	-17.280	-41.142	90.014
131	1	-41.274	-17.161	-41.270	-0.005	-17.161	-41.274	90.014
131	2	-41.113	-17.161	-41.109	-0.005	-17.161	-41.113	90.014
132	1	-41.260	-17.114	-41.257	-0.000	-17.114	-41.260	90.000
132	2	-41.099	-17.114	-41.095	-0.000	-17.114	-41.099	90.000
133	1	-41.317	-17.342	-41.314	-0.000	-17.342	-41.317	90.000
133	2	-41.156	-17.342	-41.153	-0.000	-17.342	-41.156	90.000
134	1	-41.304	-17.291	-41.301	0.004	-17.291	-41.304	89.989
134	2	-41.143	-17.291	-41.140	0.004	-17.291	-41.143	89.989
135	1	-41.273	-17.172	-41.277	0.004	-17.172	-41.273	89.988
135	2	-41.112	-17.172	-41.115	0.004	-17.172	-41.112	89.988
136	1	-41.259	-17.114	-41.262	0.000	-17.114	-41.259	89.999
136	2	-41.098	-17.114	-41.101	0.000	-17.114	-41.098	89.999
137	1	-41.316	-17.334	-41.312	-0.000	-17.334	-41.316	90.000
137	2	-41.155	-17.334	-41.151	-0.000	-17.334	-41.155	90.000
138	1	-41.304	-17.291	-41.307	-0.004	-17.291	-41.304	90.010
138	2	-41.142	-17.291	-41.145	-0.004	-17.291	-41.143	90.011
139	1	-41.275	-17.173	-41.278	-0.004	-17.173	-41.275	90.010
139	2	-41.113	-17.173	-41.117	-0.004	-17.173	-41.113	90.010
140	1	-41.259	-17.105	-41.256	0.002	-17.105	-41.259	89.993
140	2	-41.098	-17.105	-41.095	0.002	-17.105	-41.098	89.993
141	1	-41.316	-17.334	-41.312	-0.000	-17.334	-41.316	90.000
141	2	-41.154	-17.334	-41.151	-0.000	-17.334	-41.154	90.000
142	1	-41.303	-17.295	-41.307	0.004	-17.295	-41.303	89.989
142	2	-41.142	-17.295	-41.145	0.004	-17.295	-41.142	89.989
143	1	-41.275	-17.178	-41.278	0.004	-17.178	-41.275	89.990

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
143	2	-41.113	-17.178	-41.117	0.004	-17.178	-41.113	89.990
144	1	-41.259	-17.105	-41.256	-0.002	-17.105	-41.259	90.006
144	2	-41.098	-17.105	-41.095	-0.002	-17.105	-41.098	90.006
145	1	-41.317	-17.350	-41.322	0.000	-17.350	-41.317	89.999
145	2	-41.156	-17.350	-41.161	0.000	-17.350	-41.156	89.999
146	1	-41.304	-17.295	-41.302	-0.004	-17.295	-41.304	90.010
146	2	-41.142	-17.295	-41.140	-0.004	-17.295	-41.143	90.010
147	1	-41.273	-17.177	-41.277	-0.004	-17.177	-41.273	90.011
147	2	-41.112	-17.177	-41.115	-0.004	-17.177	-41.112	90.011
148	1	-41.259	-17.121	-41.263	-0.001	-17.121	-41.259	90.003
148	2	-41.097	-17.121	-41.102	-0.001	-17.121	-41.097	90.003
149	1	-41.316	-17.350	-41.320	0.000	-17.350	-41.316	89.999
149	2	-41.155	-17.350	-41.158	0.000	-17.350	-41.155	89.999
150	1	-41.302	-17.281	-41.299	0.006	-17.281	-41.302	89.984
150	2	-41.141	-17.281	-41.138	0.006	-17.281	-41.141	89.984
151	1	-41.274	-17.162	-41.270	0.006	-17.162	-41.274	89.984
151	2	-41.113	-17.162	-41.109	0.006	-17.162	-41.113	89.984
152	1	-41.260	-17.122	-41.263	0.001	-17.122	-41.260	89.997
152	2	-41.099	-17.122	-41.102	0.001	-17.122	-41.099	89.997
153	1	-41.316	-17.347	-41.320	-0.000	-17.347	-41.316	90.000
153	2	-41.155	-17.347	-41.159	-0.000	-17.347	-41.155	90.000
154	1	-41.302	-17.281	-41.299	-0.006	-17.281	-41.302	90.015
154	2	-41.141	-17.281	-41.138	-0.006	-17.281	-41.141	90.015
155	1	-41.274	-17.162	-41.270	-0.006	-17.162	-41.274	90.015
155	2	-41.113	-17.162	-41.109	-0.006	-17.162	-41.113	90.015
156	1	-41.260	-17.119	-41.263	-0.001	-17.119	-41.260	90.002
156	2	-41.099	-17.119	-41.102	-0.001	-17.119	-41.099	90.002
157	1	-41.318	-17.347	-41.315	-0.000	-17.347	-41.318	90.000
157	2	-41.156	-17.347	-41.154	-0.000	-17.347	-41.156	90.000
158	1	-41.304	-17.292	-41.301	0.004	-17.292	-41.304	89.989
158	2	-41.142	-17.292	-41.140	0.004	-17.292	-41.143	89.989
159	1	-41.273	-17.173	-41.277	0.004	-17.173	-41.273	89.988
159	2	-41.112	-17.173	-41.115	0.004	-17.173	-41.112	89.988
160	1	-41.259	-17.118	-41.263	0.001	-17.118	-41.259	89.997
160	2	-41.097	-17.118	-41.102	0.001	-17.118	-41.097	89.997
161	1	-41.316	-17.333	-41.313	-0.000	-17.333	-41.316	90.000
161	2	-41.155	-17.333	-41.152	-0.000	-17.333	-41.155	90.000

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
162	1	-41.303	-17.292	-41.307	-0.004	-17.292	-41.303	90.011
162	2	-41.142	-17.292	-41.146	-0.004	-17.292	-41.142	90.011
163	1	-41.275	-17.174	-41.271	-0.004	-17.174	-41.275	90.010
163	2	-41.113	-17.174	-41.110	-0.004	-17.174	-41.113	90.010
164	1	-41.259	-17.104	-41.256	0.002	-17.104	-41.259	89.993
164	2	-41.098	-17.104	-41.095	0.002	-17.104	-41.098	89.993
165	1	-41.316	-17.333	-41.313	-0.000	-17.333	-41.316	90.000
165	2	-41.154	-17.333	-41.152	-0.000	-17.333	-41.154	90.000
166	1	-41.302	-17.293	-41.307	0.004	-17.293	-41.302	89.989
166	2	-41.141	-17.293	-41.146	0.004	-17.293	-41.141	89.989
167	1	-41.275	-17.176	-41.278	0.004	-17.176	-41.275	89.990
167	2	-41.113	-17.176	-41.117	0.004	-17.176	-41.113	89.990
168	1	-41.259	-17.104	-41.256	-0.002	-17.104	-41.259	90.006
168	2	-41.098	-17.104	-41.095	-0.002	-17.104	-41.098	90.007
169	1	-41.317	-17.348	-41.315	0.000	-17.348	-41.317	89.999
169	2	-41.156	-17.348	-41.154	0.000	-17.348	-41.156	89.999
170	1	-41.304	-17.293	-41.302	-0.004	-17.293	-41.304	90.010
170	2	-41.142	-17.293	-41.140	-0.004	-17.293	-41.143	90.010
171	1	-41.273	-17.175	-41.278	-0.004	-17.175	-41.273	90.011
171	2	-41.112	-17.175	-41.117	-0.004	-17.175	-41.112	90.011
172	1	-41.259	-17.119	-41.263	-0.001	-17.119	-41.259	90.003
172	2	-41.097	-17.119	-41.102	-0.001	-17.119	-41.097	90.003
173	1	-41.316	-17.348	-41.320	0.000	-17.348	-41.316	89.999
173	2	-41.155	-17.348	-41.159	0.000	-17.348	-41.155	89.999
174	1	-41.302	-17.279	-41.300	0.006	-17.279	-41.302	89.984
174	2	-41.140	-17.279	-41.138	0.006	-17.279	-41.140	89.984
175	1	-41.273	-17.160	-41.270	0.006	-17.160	-41.273	89.984
175	2	-41.112	-17.160	-41.109	0.006	-17.160	-41.112	89.984
176	1	-41.259	-17.119	-41.264	0.001	-17.119	-41.259	89.997
176	2	-41.098	-17.119	-41.103	0.001	-17.119	-41.098	89.997
177	1	-41.316	-17.346	-41.320	-0.000	-17.346	-41.316	90.000
177	2	-41.154	-17.346	-41.159	-0.000	-17.346	-41.154	90.000
178	1	-41.302	-17.279	-41.300	-0.006	-17.279	-41.302	90.015
178	2	-41.141	-17.279	-41.138	-0.006	-17.279	-41.141	90.015
179	1	-41.273	-17.160	-41.270	-0.006	-17.160	-41.273	90.014
179	2	-41.111	-17.160	-41.109	-0.006	-17.160	-41.111	90.015
180	1	-41.259	-17.117	-41.257	-0.000	-17.117	-41.259	90.001

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
180	2	-41.098	-17.117	-41.096	-0.000	-17.117	-41.098	90.001
181	1	-41.317	-17.345	-41.315	-0.000	-17.345	-41.317	90.000
181	2	-41.156	-17.345	-41.154	-0.000	-17.345	-41.156	90.000
182	1	-41.304	-17.293	-41.302	0.004	-17.293	-41.304	89.990
182	2	-41.142	-17.293	-41.141	0.004	-17.293	-41.143	89.990
183	1	-41.272	-17.176	-41.278	0.004	-17.176	-41.272	89.989
183	2	-41.111	-17.176	-41.117	0.004	-17.176	-41.111	89.989
184	1	-41.259	-17.116	-41.257	0.000	-17.116	-41.259	89.998
184	2	-41.097	-17.116	-41.095	0.000	-17.116	-41.097	89.998
185	1	-41.316	-17.332	-41.313	0.000	-17.332	-41.316	90.000
185	2	-41.154	-17.332	-41.152	0.000	-17.332	-41.154	90.000
186	1	-41.302	-17.294	-41.307	-0.004	-17.294	-41.302	90.010
186	2	-41.141	-17.294	-41.146	-0.004	-17.294	-41.141	90.010
187	1	-41.273	-17.176	-41.272	-0.003	-17.176	-41.273	90.009
187	2	-41.112	-17.176	-41.111	-0.003	-17.176	-41.112	90.009
188	1	-41.259	-17.103	-41.257	0.003	-17.103	-41.259	89.992
188	2	-41.097	-17.103	-41.096	0.003	-17.103	-41.097	89.992
189	1	-41.316	-17.332	-41.313	0.000	-17.332	-41.316	90.000
189	2	-41.154	-17.332	-41.152	0.000	-17.332	-41.154	90.000
190	1	-41.302	-17.292	-41.300	0.004	-17.292	-41.302	89.989
190	2	-41.141	-17.292	-41.139	0.004	-17.292	-41.141	89.989
191	1	-41.273	-17.174	-41.273	0.004	-17.174	-41.273	89.990
191	2	-41.112	-17.174	-41.111	0.004	-17.174	-41.112	89.990
192	1	-41.258	-17.103	-41.257	-0.003	-17.103	-41.258	90.007
192	2	-41.097	-17.103	-41.096	-0.003	-17.103	-41.097	90.007
193	1	-41.317	-17.345	-41.315	0.000	-17.345	-41.317	89.999
193	2	-41.156	-17.345	-41.154	0.000	-17.345	-41.156	89.999
194	1	-41.304	-17.291	-41.302	-0.004	-17.291	-41.304	90.010
194	2	-41.142	-17.291	-41.140	-0.004	-17.291	-41.143	90.010
195	1	-41.272	-17.173	-41.271	-0.004	-17.173	-41.272	90.011
195	2	-41.111	-17.173	-41.110	-0.004	-17.173	-41.111	90.011
196	1	-41.258	-17.117	-41.263	-0.001	-17.117	-41.258	90.002
196	2	-41.097	-17.117	-41.102	-0.001	-17.117	-41.097	90.002
197	1	-41.316	-17.346	-41.321	0.000	-17.346	-41.316	89.999
197	2	-41.154	-17.346	-41.160	0.000	-17.346	-41.154	89.999
198	1	-41.302	-17.279	-41.300	0.006	-17.279	-41.302	89.984
198	2	-41.141	-17.279	-41.139	0.006	-17.279	-41.141	89.984

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
199	1	-41.273	-17.160	-41.272	0.006	-17.160	-41.273	89.985
199	2	-41.111	-17.160	-41.111	0.006	-17.160	-41.111	89.985
200	1	-41.259	-17.117	-41.258	0.000	-17.117	-41.259	89.998
200	2	-41.097	-17.117	-41.097	0.000	-17.117	-41.097	89.998
201	1	-41.315	-17.352	-41.316	-0.002	-17.352	-41.315	90.005
201	2	-41.154	-17.352	-41.155	-0.002	-17.352	-41.154	90.005
202	1	-41.300	-17.279	-41.300	-0.006	-17.279	-41.300	90.015
202	2	-41.139	-17.279	-41.139	-0.006	-17.279	-41.139	90.016
203	1	-41.272	-17.160	-41.272	-0.006	-17.160	-41.272	90.016
203	2	-41.111	-17.160	-41.111	-0.006	-17.160	-41.111	90.016
204	1	-41.263	-17.112	-41.257	-0.008	-17.112	-41.263	90.020
204	2	-41.102	-17.112	-41.095	-0.008	-17.112	-41.102	90.020
205	1	-41.301	-17.348	-41.318	-0.002	-17.348	-41.301	90.005
205	2	-41.140	-17.348	-41.156	-0.002	-17.348	-41.140	90.005
206	1	-41.298	-17.230	-41.291	-0.030	-17.230	-41.298	90.071
206	2	-41.137	-17.230	-41.130	-0.029	-17.230	-41.137	90.071
207	1	-41.269	-17.130	-41.263	-0.019	-17.130	-41.269	90.045
207	2	-41.108	-17.130	-41.102	-0.018	-17.130	-41.108	90.045
208	1	-41.282	-17.116	-41.266	0.003	-17.116	-41.282	89.991
208	2	-41.120	-17.116	-41.105	0.003	-17.116	-41.120	89.991
209	1	-41.316	-16.475	-41.143	0.231	-16.473	-41.318	89.466
209	2	-41.154	-16.477	-40.983	0.230	-16.475	-41.156	89.464
210	1	-41.338	-17.241	-41.301	0.034	-17.241	-41.339	89.918
210	2	-41.177	-17.241	-41.140	0.034	-17.241	-41.177	89.918
211	1	-41.312	-17.141	-41.275	0.045	-17.141	-41.312	89.892
211	2	-41.151	-17.142	-41.113	0.045	-17.141	-41.151	89.892
212	1	-41.175	-17.304	-41.278	0.311	-17.299	-41.179	89.253
212	2	-41.014	-17.303	-41.117	0.310	-17.299	-41.018	89.249
213	1	-43.158	-16.938	-41.615	0.231	-16.936	-43.160	89.494
213	2	-42.991	-16.939	-41.453	0.230	-16.937	-42.993	89.492
214	1	-41.086	-18.228	-41.455	3.894	-17.583	-41.732	80.591
214	2	-40.927	-18.227	-41.294	3.883	-17.581	-41.573	80.556
215	1	-40.998	-17.904	-41.354	1.451	-17.813	-41.089	86.416
215	2	-40.838	-17.902	-41.193	1.449	-17.810	-40.929	86.397
216	1	-39.907	-16.985	-40.958	0.009	-16.985	-39.907	89.976
216	2	-39.749	-16.985	-40.797	0.009	-16.985	-39.749	89.976
217	1	-34.047	-19.240	-40.244	7.702	-15.960	-37.327	66.934

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
217	2	-33.917	-19.232	-40.087	7.671	-15.955	-37.193	66.872
218	1	-33.943	-18.861	-40.097	4.271	-17.736	-35.069	75.235
218	2	-33.813	-18.855	-39.941	4.253	-17.730	-34.937	75.187
219	1	-32.582	-16.096	-39.290	3.139	-15.518	-33.160	79.574
219	2	-32.455	-16.103	-39.137	3.123	-15.527	-33.031	79.547
220	1	-32.497	-15.771	-39.190	0.698	-15.742	-32.526	87.613
220	2	-32.369	-15.777	-39.036	0.690	-15.748	-32.398	87.620
221	1	-32.114	-18.152	-39.545	1.525	-17.987	-32.279	83.838
221	2	-31.985	-18.147	-39.390	1.517	-17.982	-32.150	83.813
222	1	-21.998	-19.448	-37.753	5.597	-14.982	-26.464	51.416
222	2	-21.910	-19.434	-37.604	5.574	-14.962	-26.382	51.262
223	1	-21.932	-19.220	-37.654	4.210	-16.153	-24.999	53.925
223	2	-21.845	-19.208	-37.506	4.193	-16.131	-24.922	53.726
224	1	-23.857	-16.669	-37.580	6.864	-12.515	-28.011	58.816
224	2	-23.763	-16.671	-37.433	6.837	-12.514	-27.920	58.705
225	1	-23.753	-16.291	-37.434	3.434	-14.951	-25.093	68.684
225	2	-23.660	-16.294	-37.288	3.420	-14.951	-25.003	68.558
226	1	-24.881	-17.988	-37.913	2.376	-17.248	-25.621	72.704
226	2	-24.784	-17.984	-37.765	2.365	-17.241	-25.526	72.585
227	1	-24.854	-17.902	-37.867	0.720	-17.828	-24.928	84.148
227	2	-24.758	-17.899	-37.719	0.714	-17.826	-24.832	84.115
228	1	-24.829	-16.307	-37.606	0.939	-16.205	-24.931	83.779
228	2	-24.734	-16.311	-37.460	0.935	-16.209	-24.837	83.737
229	1	-16.430	-19.469	-36.408	3.985	-13.685	-22.214	34.565
229	2	-16.369	-19.435	-36.261	3.973	-13.643	-22.160	34.451
230	1	-16.394	-19.348	-36.342	3.225	-14.324	-21.418	32.698
230	2	-16.334	-19.316	-36.196	3.221	-14.275	-21.375	32.579
231	1	-17.992	-18.408	-36.557	5.222	-12.973	-23.426	43.860
231	2	-17.923	-18.398	-36.414	5.205	-12.949	-23.372	43.692
232	1	-17.926	-18.180	-36.455	3.835	-14.216	-21.891	44.052
232	2	-17.858	-18.173	-36.313	3.825	-14.187	-21.844	43.820
233	1	-19.267	-18.089	-36.593	2.225	-16.376	-20.981	52.409
233	2	-19.189	-18.076	-36.448	2.226	-16.338	-20.927	52.016
234	1	-19.249	-18.038	-36.558	1.332	-17.180	-20.107	57.215
234	2	-19.172	-18.029	-36.414	1.333	-17.150	-20.051	56.601
235	1	-20.042	-16.745	-36.536	2.451	-15.440	-21.348	61.958
235	2	-19.961	-16.745	-36.392	2.446	-15.426	-21.280	61.659

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
236	1	-20.016	-16.659	-36.491	0.794	-16.481	-20.194	77.330
236	2	-19.935	-16.661	-36.347	0.794	-16.478	-20.118	77.050
237	1	-20.543	-17.397	-36.649	0.275	-17.373	-20.567	85.041
237	2	-20.464	-17.397	-36.506	0.274	-17.373	-20.488	84.927
238	1	-12.066	-18.378	-35.013	1.290	-11.813	-18.631	11.121
238	2	-12.044	-18.318	-34.871	1.295	-11.787	-18.575	11.222
239	1	-12.120	-18.609	-35.052	1.435	-11.817	-18.913	11.931
239	2	-12.098	-18.550	-34.910	1.455	-11.785	-18.863	12.144
240	1	-14.331	-18.898	-35.655	3.938	-12.062	-21.167	29.946
240	2	-14.294	-18.870	-35.515	3.935	-12.029	-21.134	29.914
241	1	-14.294	-18.777	-35.589	3.177	-12.647	-20.424	27.397
241	2	-14.257	-18.752	-35.451	3.183	-12.608	-20.402	27.388
242	1	-15.629	-17.681	-35.516	1.402	-14.917	-18.393	26.909
242	2	-15.571	-17.645	-35.371	1.432	-14.839	-18.377	27.046
243	1	-15.656	-17.800	-35.528	1.093	-15.197	-18.260	22.784
243	2	-15.598	-17.765	-35.383	1.128	-15.117	-18.246	23.084
244	1	-16.747	-17.419	-35.763	2.403	-14.656	-19.510	41.019
244	2	-16.670	-17.407	-35.619	2.413	-14.597	-19.481	40.663
245	1	-16.729	-17.368	-35.727	1.510	-15.505	-18.593	39.027
245	2	-16.654	-17.359	-35.584	1.521	-15.445	-18.568	38.470
246	1	-17.452	-17.327	-35.757	0.631	-16.755	-18.024	47.826
246	2	-17.361	-17.325	-35.613	0.661	-16.682	-18.005	45.770
247	1	-17.473	-17.421	-35.769	0.043	-17.397	-17.497	60.398
247	2	-17.382	-17.419	-35.624	0.056	-17.341	-17.460	35.837
248	1	-17.912	-16.701	-35.804	0.650	-16.418	-18.195	66.469
248	2	-17.815	-16.698	-35.657	0.656	-16.394	-18.119	65.182
249	1	-11.192	-19.729	-34.758	0.385	-11.175	-19.746	2.580
249	2	-11.218	-19.663	-34.626	0.397	-11.200	-19.681	2.688
250	1	-12.697	-18.487	-34.925	2.316	-11.884	-19.299	19.335
250	2	-12.719	-18.438	-34.795	2.320	-11.896	-19.262	19.531
251	1	-12.752	-18.718	-34.963	2.461	-11.868	-19.603	19.762
251	2	-12.774	-18.670	-34.833	2.480	-11.869	-19.574	20.039
252	1	-14.107	-18.935	-35.159	0.883	-13.950	-19.092	10.045
252	2	-14.099	-18.881	-35.023	0.936	-13.922	-19.057	10.692
253	1	-14.048	-18.709	-35.094	0.944	-13.864	-18.893	11.031
253	2	-14.037	-18.644	-34.954	1.018	-13.822	-18.859	11.923
254	1	-14.878	-17.449	-35.109	2.093	-13.706	-18.620	29.222

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
254	2	-14.833	-17.417	-34.969	2.122	-13.640	-18.610	29.335
255	1	-14.905	-17.568	-35.123	1.784	-14.010	-18.463	26.632
255	2	-14.860	-17.537	-34.982	1.818	-13.941	-18.456	26.827
256	1	-15.624	-17.876	-35.217	0.965	-15.266	-18.234	20.306
256	2	-15.532	-17.855	-35.070	1.056	-15.123	-18.264	21.147
257	1	-15.554	-17.606	-35.141	0.816	-15.269	-17.891	19.259
257	2	-15.458	-17.569	-34.989	0.901	-15.126	-17.902	20.245
258	1	-15.851	-16.886	-35.151	1.256	-15.010	-17.728	33.814
258	2	-15.711	-16.872	-34.994	1.284	-14.881	-17.701	32.839
259	1	-15.872	-16.980	-35.164	0.668	-15.558	-17.294	25.184
259	2	-15.731	-16.965	-35.007	0.680	-15.430	-17.267	23.893
260	1	-16.092	-17.373	-35.183	0.449	-15.950	-17.515	17.530
260	2	-15.920	-17.405	-35.029	0.505	-15.764	-17.560	17.116
261	1	-13.698	-20.306	-35.141	0.385	-13.675	-20.329	3.326
261	2	-13.794	-20.258	-35.030	0.397	-13.770	-20.283	3.505
262	1	-14.127	-21.829	-35.420	0.106	-14.126	-21.830	0.794
262	2	-14.222	-21.918	-35.337	0.143	-14.220	-21.921	1.069
263	1	-14.042	-21.484	-35.334	-0.341	-14.026	-21.500	177.378
263	2	-14.131	-21.550	-35.244	-0.295	-14.119	-21.561	177.720
264	1	-14.470	-18.981	-35.026	0.546	-14.405	-19.046	6.812
264	2	-14.521	-18.942	-34.906	0.566	-14.450	-19.013	7.187
265	1	-14.412	-18.756	-34.961	0.608	-14.328	-18.839	7.821
265	2	-14.461	-18.705	-34.838	0.648	-14.364	-18.802	8.491
266	1	-15.187	-19.957	-35.249	-0.125	-15.183	-19.960	178.496
266	2	-15.181	-19.995	-35.134	-0.006	-15.181	-19.995	179.918
267	1	-15.014	-19.268	-35.072	-0.113	-15.011	-19.271	178.476
267	2	-14.992	-19.243	-34.940	0.035	-14.992	-19.244	0.472
268	1	-15.346	-17.764	-34.937	0.496	-15.248	-17.862	11.155
268	2	-15.234	-17.739	-34.785	0.540	-15.123	-17.850	11.673
269	1	-15.276	-17.494	-34.860	0.347	-15.223	-17.547	8.691
269	2	-15.161	-17.453	-34.703	0.384	-15.098	-17.516	9.282
270	1	-15.364	-17.830	-34.840	0.271	-15.334	-17.859	6.206
270	2	-15.141	-17.858	-34.675	0.445	-15.070	-17.929	9.079
271	1	-15.170	-17.063	-34.638	0.731	-14.921	-17.313	18.845
271	2	-14.930	-17.020	-34.455	0.876	-14.611	-17.339	19.991
272	1	-14.633	-16.967	-34.608	0.094	-14.629	-16.970	2.310
272	2	-14.277	-16.952	-34.407	0.100	-14.274	-16.956	2.147

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
273	1	-13.059	-26.600	-35.865	-0.955	-12.992	-26.667	175.984
273	2	-13.192	-27.220	-35.897	-1.015	-13.119	-27.294	175.883
274	1	-13.065	-21.521	-34.946	-0.519	-13.033	-21.553	176.501
274	2	-13.182	-21.617	-34.869	-0.547	-13.147	-21.652	176.303
275	1	-12.979	-21.177	-34.859	-0.967	-12.866	-21.289	173.361
275	2	-13.090	-21.248	-34.777	-0.986	-12.973	-21.366	173.200
276	1	-14.250	-25.289	-35.845	-1.840	-13.951	-25.588	170.779
276	2	-14.375	-25.824	-35.858	-1.831	-14.089	-26.110	171.131
277	1	-14.114	-24.736	-35.714	-3.304	-13.169	-25.680	164.054
277	2	-14.215	-25.176	-35.703	-3.368	-13.262	-26.129	164.212
278	1	-15.375	-19.966	-35.102	-1.692	-14.819	-20.522	161.800
278	2	-15.450	-20.024	-35.008	-1.746	-14.860	-20.615	161.317
279	1	-15.202	-19.276	-34.926	-1.680	-14.598	-19.880	160.244
279	2	-15.261	-19.272	-34.815	-1.704	-14.634	-19.899	159.821
280	1	-16.552	-20.905	-35.440	-2.847	-15.145	-22.313	153.699
280	2	-16.504	-21.124	-35.351	-2.749	-15.223	-22.405	155.015
281	1	-16.239	-19.654	-35.128	-2.142	-15.207	-20.686	154.281
281	2	-16.141	-19.674	-34.987	-1.970	-15.261	-20.554	155.934
282	1	-16.774	-18.145	-35.008	-1.512	-15.799	-19.120	147.193
282	2	-16.473	-18.153	-34.824	-1.534	-15.564	-19.062	149.353
283	1	-16.580	-17.379	-34.807	-1.052	-15.854	-18.105	145.398
283	2	-16.261	-17.317	-34.603	-1.103	-15.566	-18.012	147.783
284	1	-15.390	-16.949	-34.397	0.029	-15.389	-16.950	1.074
284	2	-14.732	-17.072	-34.160	0.318	-14.689	-17.115	7.623
285	1	-8.451	-25.406	-34.498	-0.955	-8.397	-25.460	176.785
285	2	-8.286	-25.952	-34.456	-1.015	-8.228	-26.010	176.722
286	1	-9.763	-32.636	-36.099	-1.586	-9.654	-32.745	176.052
286	2	-9.756	-34.423	-36.336	-1.684	-9.641	-34.537	176.111
287	1	-9.825	-32.875	-36.172	-4.549	-8.960	-33.741	169.228
287	2	-9.813	-34.642	-36.404	-4.849	-8.899	-35.555	169.331
288	1	-10.746	-24.373	-34.768	-2.912	-10.150	-24.970	168.428
288	2	-10.688	-24.863	-34.735	-3.139	-10.024	-25.527	168.054
289	1	-10.610	-23.821	-34.639	-4.376	-9.291	-25.139	163.235
289	2	-10.528	-24.215	-34.582	-4.676	-9.082	-25.661	162.826
290	1	-14.543	-31.307	-36.834	-7.503	-11.675	-34.174	159.082
290	2	-14.706	-32.890	-37.064	-7.931	-11.733	-35.863	159.450
291	1	-14.523	-31.194	-36.844	-10.311	-9.599	-36.118	154.475

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
291	2	-14.640	-32.592	-37.026	-10.834	-9.546	-37.685	154.821
292	1	-18.443	-21.347	-35.754	-5.661	-14.050	-25.740	142.191
292	2	-18.579	-21.611	-35.713	-6.062	-13.846	-26.344	142.021
293	1	-18.130	-20.095	-35.441	-4.956	-14.060	-24.166	140.605
293	2	-18.216	-20.160	-35.347	-5.282	-13.817	-24.560	140.213
294	1	-23.250	-22.465	-36.881	-9.687	-13.162	-32.553	133.840
294	2	-23.320	-23.152	-36.906	-9.941	-13.294	-33.178	134.758
295	1	-22.015	-17.524	-35.649	-2.278	-16.571	-22.968	112.706
295	2	-21.893	-17.449	-35.478	-1.803	-16.809	-22.533	109.532
296	1	-21.843	-18.533	-35.864	-2.547	-17.150	-23.226	118.493
296	2	-21.016	-18.613	-35.580	-2.765	-16.800	-22.830	123.254
297	1	-3.727	-32.335	-34.606	-0.954	-3.695	-32.367	178.091
297	2	-3.169	-34.621	-34.830	-1.011	-3.136	-34.653	178.159
298	1	-4.532	-31.294	-34.619	-0.928	-4.500	-31.326	178.014
298	2	-4.162	-32.990	-34.763	-1.063	-4.123	-33.029	177.891
299	1	-4.595	-31.532	-34.692	-3.892	-4.044	-32.083	171.939
299	2	-4.220	-33.208	-34.831	-4.227	-3.616	-33.812	171.869
300	1	-4.950	-33.385	-35.087	-4.480	-4.261	-34.074	171.255
300	2	-4.459	-35.778	-35.345	-4.948	-3.696	-36.542	171.231
301	1	-5.554	-35.781	-35.721	-7.483	-3.803	-37.532	166.828
301	2	-5.113	-38.371	-36.029	-8.143	-3.226	-40.258	166.953
302	1	-9.575	-30.036	-35.446	-7.453	-7.147	-32.463	161.961
302	2	-9.567	-31.577	-35.632	-8.214	-6.839	-34.304	161.630
303	1	-9.554	-29.922	-35.455	-10.262	-5.280	-34.196	157.390
303	2	-9.499	-31.278	-35.594	-11.118	-4.826	-35.951	157.202
304	1	-14.174	-38.621	-38.095	-14.052	-7.772	-45.022	155.509
304	2	-14.163	-41.422	-38.531	-15.277	-7.319	-48.266	155.869
305	1	-15.229	-42.773	-39.220	-21.971	-3.070	-54.933	151.040
305	2	-15.259	-45.737	-39.697	-23.618	-2.390	-58.606	151.415
306	1	-36.725	-25.820	-40.184	-18.384	-12.097	-50.448	126.740
306	2	-38.114	-26.837	-40.542	-20.017	-11.680	-53.271	127.134
307	1	-35.491	-20.880	-38.954	-10.975	-15.001	-41.370	118.175
307	2	-36.689	-21.136	-39.114	-11.878	-14.714	-43.110	118.394
308	1	-39.958	-9.256	-37.521	-9.741	-6.425	-42.788	106.199
308	2	-38.968	-10.318	-37.399	-10.057	-7.140	-42.146	107.535
309	1	-1.678	-31.799	-33.972	-0.954	-1.648	-31.829	178.187
309	2	-0.993	-34.052	-34.160	-1.011	-0.962	-34.083	178.248

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
310	1	-2.203	-29.099	-33.482	-0.500	-2.193	-29.108	178.934
310	2	-1.472	-31.670	-33.723	-0.618	-1.459	-31.683	178.826
311	1	-2.584	-30.612	-33.873	-1.762	-2.474	-30.722	176.415
311	2	-1.905	-33.389	-34.166	-1.893	-1.792	-33.503	176.570
312	1	-1.667	-32.541	-34.146	-1.640	-1.581	-32.628	176.966
312	2	-0.964	-34.881	-34.349	-1.886	-0.860	-34.985	176.826
313	1	-2.272	-34.936	-34.779	-4.643	-1.625	-35.583	172.063
313	2	-1.619	-37.472	-35.031	-5.080	-0.912	-38.178	172.088
314	1	-2.351	-35.380	-34.845	-4.786	-1.671	-36.060	171.918
314	2	-1.531	-38.764	-35.231	-5.368	-0.772	-39.523	171.956
315	1	-4.637	-44.480	-37.173	-7.489	-3.276	-45.841	169.698
315	2	-4.093	-48.968	-37.836	-8.112	-2.671	-50.389	170.061
316	1	-5.350	-36.394	-35.785	-9.202	-2.827	-38.916	164.669
316	2	-4.866	-39.076	-36.100	-10.240	-2.035	-41.907	164.546
317	1	-6.404	-40.546	-36.904	-17.120	0.701	-47.653	157.458
317	2	-5.961	-43.391	-37.260	-18.580	1.695	-51.049	157.603
318	1	-18.892	-68.197	-44.931	-28.331	-5.989	-81.099	155.514
318	2	-18.754	-75.191	-46.176	-30.904	-5.123	-88.822	156.199
319	1	-31.076	-116.759	-57.298	-54.311	-4.742	-143.092	154.133
319	2	-32.296	-129.188	-59.901	-56.982	-5.949	-155.535	155.185
320	1	-106.217	-25.843	-54.180	-49.079	-2.597	-129.463	115.344
320	2	-110.218	-28.154	-55.310	-53.188	-2.010	-136.363	116.176
321	1	-2.269	-23.371	-32.197	-0.594	-2.252	-23.388	178.386
321	2	-1.532	-25.746	-32.393	-0.578	-1.518	-25.760	178.633
322	1	-1.029	-28.784	-33.081	1.126	-0.983	-28.830	2.321
322	2	-0.288	-31.352	-33.316	1.214	-0.241	-31.400	2.235
323	1	-1.410	-30.297	-33.472	-0.135	-1.410	-30.298	179.731
323	2	-0.721	-33.072	-33.759	-0.060	-0.721	-33.072	179.893
324	1	-2.316	-23.623	-32.285	2.133	-2.104	-23.835	5.662
324	2	-1.550	-26.114	-32.499	2.332	-1.331	-26.333	5.376
325	1	-2.535	-24.475	-32.526	1.266	-2.462	-24.548	3.293
325	2	-1.834	-27.224	-32.804	1.590	-1.734	-27.323	3.570
326	1	0.254	-34.706	-34.079	4.420	0.804	-35.256	7.095
326	2	1.112	-38.080	-34.452	4.940	1.725	-38.693	7.075
327	1	-2.030	-43.806	-36.407	1.717	-1.960	-43.877	2.350
327	2	-1.448	-48.284	-37.056	2.196	-1.345	-48.386	2.679
328	1	-2.718	-24.877	-32.746	8.613	0.235	-27.831	18.931

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
328	2	-2.145	-27.935	-33.111	9.619	1.046	-31.128	18.361
329	1	-2.143	-22.513	-32.232	7.880	0.549	-25.206	18.864
329	2	-1.673	-25.982	-32.700	9.374	1.521	-29.177	18.820
330	1	6.964	-61.709	-38.354	20.341	12.537	-67.282	15.321
330	2	7.194	-68.680	-39.571	23.195	13.723	-75.209	15.720
331	1	-5.218	-110.272	-50.709	-5.643	-4.916	-110.575	176.934
331	2	-6.346	-122.677	-53.284	-2.885	-6.274	-122.748	178.580
332	1	24.459	-24.383	-27.667	33.309	41.340	-41.264	26.876
332	2	19.261	-27.426	-29.189	38.609	41.035	-49.200	29.421
333	1	-1.302	-23.110	-31.863	-0.594	-1.286	-23.126	178.439
333	2	-0.597	-25.492	-32.064	-0.577	-0.583	-25.506	178.671
334	1	-4.194	-17.001	-31.184	0.970	-4.121	-17.074	4.309
334	2	-3.740	-19.027	-31.363	1.059	-3.667	-19.100	3.945
335	1	-4.027	-16.315	-31.028	0.922	-3.958	-16.384	4.268
335	2	-3.574	-18.349	-31.209	1.214	-3.475	-18.448	4.668
336	1	-1.631	-23.435	-32.024	2.972	-1.233	-23.833	7.627
336	2	-0.977	-25.952	-32.263	3.396	-0.523	-26.406	7.607
337	1	-1.850	-24.285	-32.263	2.105	-1.654	-24.481	5.316
337	2	-1.260	-27.061	-32.566	2.653	-0.990	-27.331	5.812
338	1	-6.574	-15.018	-31.334	4.406	-4.693	-16.899	23.113
338	2	-6.528	-16.939	-31.574	5.142	-4.416	-19.051	22.324
339	1	-5.835	-12.017	-30.637	2.829	-4.735	-13.116	21.234
339	2	-5.754	-13.799	-30.842	3.696	-4.314	-15.239	21.289
340	1	-2.150	-24.716	-32.512	6.634	-0.345	-26.521	15.228
340	2	-2.006	-27.879	-32.982	7.995	0.265	-30.151	15.859
341	1	-1.575	-22.355	-32.001	5.901	-0.016	-23.914	14.799
341	2	-1.533	-25.930	-32.573	7.751	0.720	-28.185	16.216
342	1	-7.200	-9.611	-30.582	9.272	0.945	-17.756	41.296
342	2	-9.140	-11.081	-31.130	11.430	1.360	-21.582	42.573
343	1	-5.179	-1.435	-28.656	3.491	0.654	-7.268	59.103
343	2	-6.894	-1.996	-28.984	4.842	0.980	-9.871	58.411
344	1	50.166	-17.918	-21.056	-3.521	50.347	-18.100	177.047
344	2	50.649	-19.542	-21.162	-2.297	50.724	-19.617	178.127
345	1	-2.026	-1.353	-27.318	-0.086	-1.342	-2.037	97.225
345	2	-1.707	-1.888	-27.223	-0.026	-1.703	-1.892	171.781
346	1	-4.243	-16.979	-31.018	-0.139	-4.242	-16.980	179.372
346	2	-4.187	-19.104	-31.294	-0.038	-4.187	-19.104	179.851

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
347	1	-4.075	-16.290	-30.861	-0.187	-4.072	-16.293	179.118
347	2	-4.020	-18.422	-31.138	0.116	-4.019	-18.423	0.462
348	1	-2.115	-0.901	-27.275	-0.500	-0.721	-2.295	109.757
348	2	-1.938	-1.381	-27.198	-0.329	-1.228	-2.091	114.911
349	1	-1.955	-0.236	-27.140	-0.797	0.076	-2.268	111.434
349	2	-1.762	-0.651	-27.047	-0.544	-0.429	-1.984	112.198
350	1	-3.648	-14.252	-30.429	-1.198	-3.514	-14.386	173.631
350	2	-3.858	-16.237	-30.731	-0.735	-3.815	-16.281	176.610
351	1	-2.908	-11.250	-29.730	-2.776	-2.068	-12.090	163.176
351	2	-3.084	-13.096	-29.999	-2.181	-2.629	-13.551	168.226
352	1	0.271	0.261	-26.689	-1.014	1.281	-0.748	135.136
352	2	0.089	-0.005	-26.644	-0.689	0.733	-0.649	136.975
353	1	0.573	1.514	-26.431	-1.067	2.210	-0.122	123.106
353	2	0.427	1.394	-26.353	-0.780	1.829	-0.007	119.119
354	1	3.880	-6.801	-27.613	-6.365	6.849	-9.769	154.998
354	2	3.509	-7.879	-27.773	-5.975	6.069	-10.439	156.810
355	1	5.900	1.374	-25.689	-12.146	15.993	-8.718	140.276
355	2	5.754	1.204	-25.628	-12.562	16.246	-9.287	140.133
356	1	16.117	0.845	-23.624	-0.177	16.119	0.843	179.334
356	2	16.527	0.788	-23.433	0.036	16.527	0.788	0.134
357	1	-1.710	-1.223	-26.984	-0.086	-1.208	-1.725	99.803
357	2	-1.753	-1.849	-26.978	-0.026	-1.746	-1.856	165.429
358	1	-0.790	8.335	-24.772	-0.637	8.379	-0.834	93.975
358	2	-0.768	8.603	-24.574	-0.651	8.648	-0.813	93.955
359	1	-0.923	7.813	-24.918	-1.274	7.995	-1.105	98.134
359	2	-0.903	8.077	-24.722	-1.274	8.254	-1.080	97.921
360	1	-1.429	-0.678	-26.848	-2.137	1.116	-3.224	130.022
360	2	-1.501	-1.221	-26.832	-2.164	0.807	-3.529	133.150
361	1	-1.269	-0.014	-26.712	-2.434	1.872	-3.155	127.772
361	2	-1.324	-0.490	-26.681	-2.378	1.506	-3.322	130.027
362	1	-0.202	6.526	-25.086	-2.308	7.242	-0.918	107.230
362	2	-0.234	6.800	-24.902	-2.350	7.513	-0.947	106.873
363	1	-0.593	4.991	-25.508	-2.642	6.043	-1.645	111.705
363	2	-0.635	5.230	-25.336	-2.707	6.288	-1.694	111.356
364	1	0.212	0.301	-26.431	-4.404	4.661	-4.148	134.711
364	2	0.146	0.062	-26.360	-4.521	4.626	-4.417	135.266
365	1	0.514	1.554	-26.174	-4.457	5.522	-3.453	131.674

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
365	2	0.484	1.462	-26.069	-4.612	5.611	-3.664	131.975
366	1	2.287	2.280	-25.565	-2.539	4.823	-0.254	135.041
366	2	2.341	2.428	-25.398	-2.636	5.021	-0.251	134.525
367	1	1.999	1.157	-25.885	-1.178	2.830	0.326	144.828
367	2	2.038	1.251	-25.735	-1.244	2.950	0.339	143.778
368	1	3.760	-2.173	-26.360	-3.833	5.641	-4.053	153.870
368	2	3.957	-2.282	-26.220	-4.116	6.002	-4.327	153.580
369	1	-24.167	-195.100	-106.375	-33.951	-17.670	-201.597	169.167
369	2	-24.042	-199.268	-107.028	-33.824	-17.740	-205.571	169.445
370	1	-9.664	-230.872	-93.468	42.781	-1.678	-238.858	10.573
370	2	-9.693	-235.510	-94.259	43.693	-1.534	-243.669	10.577
371	1	-24.618	-234.563	-96.975	24.722	-21.746	-237.435	6.626
371	2	-25.502	-239.414	-97.979	27.707	-21.972	-242.945	7.261
372	1	-3.941	-269.254	-116.603	-38.812	1.620	-274.815	171.846
372	2	-3.723	-275.377	-117.624	-38.537	1.637	-280.738	172.080
373	1	-17.223	-272.512	-119.601	-43.972	-9.861	-279.874	170.496
373	2	-16.965	-278.625	-120.609	-43.969	-9.774	-285.816	170.711
374	1	-56.060	-271.343	-110.162	-53.758	-43.382	-284.021	166.730
374	2	-56.854	-276.078	-111.120	-56.657	-43.077	-289.856	166.333
375	1	-32.348	-265.381	-104.049	-55.541	-19.787	-277.942	167.257
375	2	-32.322	-269.911	-104.801	-56.414	-19.608	-282.626	167.298
376	1	-4.567	-252.821	-112.616	-36.489	0.684	-258.073	171.809
376	2	-4.534	-256.802	-113.238	-36.381	0.607	-261.944	171.955
377	1	-22.442	-160.488	-132.370	26.467	-17.541	-165.389	10.490
377	2	-22.560	-165.650	-133.242	26.558	-17.790	-170.421	10.183
378	1	-6.039	-204.561	-153.924	-52.729	7.096	-217.697	166.011
378	2	-6.063	-209.632	-154.743	-52.514	6.684	-222.380	166.354
379	1	-28.025	-209.973	-158.996	-57.719	-11.259	-226.739	163.803
379	2	-27.967	-215.023	-159.792	-57.495	-11.708	-231.282	164.209
380	1	-4.781	-245.041	-145.021	20.659	-3.018	-246.804	4.879
380	2	-4.245	-249.916	-145.699	20.738	-2.507	-251.654	4.791
381	1	-18.040	-248.277	-147.932	15.502	-17.001	-249.316	3.834
381	2	-17.465	-253.141	-148.597	15.309	-16.474	-254.132	3.701
382	1	-5.174	-289.424	-169.461	-57.675	6.082	-300.680	168.956
382	2	-5.205	-294.200	-170.215	-57.487	5.809	-305.216	169.152
383	1	-27.357	-294.860	-174.545	-54.043	-16.851	-305.366	168.999
383	2	-27.323	-299.620	-175.279	-53.880	-17.050	-309.894	169.204

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
384	1	-31.316	-332.524	-166.640	18.928	-30.132	-333.709	3.581
384	2	-31.424	-337.094	-167.377	18.691	-30.285	-338.233	3.486
385	1	-34.607	-128.417	-190.538	-65.839	-0.673	-162.351	152.733
385	2	-34.654	-133.797	-191.392	-65.524	-2.063	-166.389	153.554
386	1	-6.692	-181.307	-180.443	45.926	4.650	-192.650	13.873
386	2	-6.721	-186.418	-181.248	45.758	4.259	-197.399	13.494
387	1	-28.657	-186.695	-185.433	40.946	-18.678	-196.674	13.696
387	2	-28.604	-191.785	-186.214	40.787	-18.977	-201.412	13.280
388	1	-7.243	-244.846	-207.331	-66.102	9.908	-261.998	165.454
388	2	-7.360	-249.732	-208.096	-65.836	9.367	-266.461	165.743
389	1	-34.445	-251.533	-213.566	-69.170	-14.279	-271.700	163.746
389	2	-34.482	-256.400	-214.309	-68.935	-14.812	-276.070	164.074
390	1	-15.631	-305.563	-205.592	42.056	-9.654	-311.541	8.089
390	2	-15.630	-310.228	-206.295	41.936	-9.777	-316.082	7.946
391	1	-37.793	-310.995	-210.592	45.689	-30.355	-318.433	9.247
391	2	-37.727	-315.642	-211.276	45.545	-30.454	-322.916	9.073
392	1	-6.913	-369.683	-230.550	-65.878	4.679	-381.276	170.019
392	2	-7.012	-374.169	-231.225	-65.673	4.380	-385.563	170.158
393	1	-28.363	-77.303	-222.135	59.629	11.620	-117.288	33.844
393	2	-28.233	-82.402	-222.865	59.572	10.122	-120.758	32.775
394	1	0.274	-165.624	-248.065	-65.241	22.856	-188.207	160.907
394	2	0.219	-170.527	-248.788	-64.983	22.137	-192.445	161.361
395	1	-32.299	-174.293	-255.579	-71.471	-2.555	-204.038	157.404
395	2	-32.290	-179.186	-256.284	-71.259	-3.402	-208.074	157.933
396	1	-4.980	-227.929	-246.258	61.909	11.056	-243.967	14.523
396	2	-4.969	-232.668	-246.935	61.794	10.719	-248.357	14.246
397	1	-34.415	-235.432	-252.986	58.240	-18.760	-251.086	15.045
397	2	-34.318	-240.152	-253.640	58.092	-19.055	-255.415	14.721
398	1	-1.504	-313.435	-275.791	-68.961	13.061	-328.001	168.073
398	2	-1.543	-317.980	-276.432	-68.796	12.766	-332.289	168.250
399	1	-34.080	-321.429	-283.096	-69.635	-18.094	-337.415	167.070
399	2	-34.058	-325.959	-283.720	-69.494	-18.358	-341.660	167.269
400	1	-10.517	-386.610	-276.977	62.061	-0.541	-396.587	9.132
400	2	-10.500	-390.965	-277.570	61.885	-0.687	-400.778	9.010
401	1	-30.271	-62.737	-273.043	-72.743	28.027	-121.036	141.289
401	2	-30.232	-67.529	-273.720	-72.607	26.083	-123.845	142.202
402	1	1.311	-139.251	-269.251	71.171	31.054	-168.993	22.680

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
402	2	1.306	-143.961	-269.920	71.152	30.350	-173.005	22.205
403	1	-31.062	-147.169	-276.521	65.518	-1.577	-176.654	24.228
403	2	-31.002	-151.863	-277.171	65.453	-2.348	-180.517	23.642
404	1	1.479	-225.877	-297.638	-73.158	22.986	-247.383	163.618
404	2	1.458	-230.465	-298.283	-73.019	22.533	-251.539	163.901
405	1	-33.314	-234.394	-305.416	-73.611	-9.247	-258.461	161.895
405	2	-33.280	-238.968	-306.044	-73.476	-9.729	-262.519	162.228
406	1	-6.198	-310.231	-302.464	66.697	7.789	-324.219	11.844
406	2	-6.211	-314.674	-303.075	66.597	7.552	-328.438	11.677
407	1	-38.750	-318.189	-309.685	66.206	-23.857	-333.081	12.677
407	2	-38.702	-322.616	-310.279	66.082	-24.074	-337.243	12.481
408	1	-1.845	-396.171	-329.643	-72.765	11.154	-409.170	169.871
408	2	-1.877	-400.464	-330.225	-72.638	10.947	-413.289	169.987
409	1	-33.651	-57.288	-295.391	71.582	27.081	-118.021	40.312
409	2	-33.634	-62.168	-296.092	71.466	24.975	-120.778	39.355
410	1	3.317	-137.566	-313.966	-71.970	33.582	-167.831	157.192
410	2	3.287	-142.299	-314.650	-71.822	32.755	-171.767	157.692
411	1	-31.368	-146.045	-321.660	-71.996	3.332	-180.746	154.267
411	2	-31.332	-150.761	-322.325	-71.845	2.374	-184.468	154.866
412	1	-2.632	-223.479	-320.604	71.774	18.643	-244.756	16.511
412	2	-2.650	-228.051	-321.247	71.666	18.205	-248.908	16.226
413	1	-37.411	-231.976	-328.318	71.321	-14.067	-255.319	18.123
413	2	-37.373	-236.533	-328.945	71.209	-14.531	-259.375	17.784
414	1	-0.473	-312.415	-346.804	-71.523	15.143	-328.033	167.682
414	2	-0.507	-316.830	-347.419	-71.372	14.851	-332.189	167.856
415	1	-35.267	-320.892	-354.421	-72.124	-18.087	-338.071	166.602
415	2	-35.235	-325.290	-355.018	-71.977	-18.356	-342.169	166.802
416	1	-7.147	-398.710	-353.622	72.072	5.696	-411.554	10.105
416	2	-7.170	-402.961	-354.196	71.955	5.504	-415.636	9.990
417	1	-28.392	-59.838	-332.371	-69.557	27.196	-115.427	141.368
417	2	-28.355	-64.749	-333.094	-69.405	25.198	-118.303	142.345
418	1	-0.444	-137.010	-333.349	72.791	31.078	-168.533	23.415
418	2	-0.480	-141.760	-334.047	72.651	30.211	-172.452	22.902
419	1	-35.117	-145.469	-340.980	72.758	1.020	-181.607	26.412
419	2	-35.087	-150.202	-341.659	72.622	0.020	-185.310	25.800
420	1	1.020	-224.073	-357.292	-68.469	20.211	-243.263	164.342
420	2	0.986	-228.647	-357.958	-68.316	19.773	-247.434	164.623

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
421	1	-32.885	-232.330	-364.666	-68.722	-11.499	-253.716	162.714
421	2	-32.849	-236.887	-365.313	-68.569	-11.946	-257.789	163.047
422	1	-3.587	-309.401	-365.373	72.932	12.915	-325.904	12.750
422	2	-3.618	-313.798	-365.994	72.798	12.617	-330.033	12.572
423	1	-38.368	-317.865	-372.956	72.339	-20.755	-335.478	13.684
423	2	-38.334	-322.244	-373.558	72.200	-21.028	-339.550	13.479
424	1	-3.573	-396.875	-389.504	-69.173	8.237	-408.686	170.310
424	2	-3.607	-401.096	-390.094	-69.021	8.036	-412.740	170.424
425	1	-32.966	-65.770	-349.316	71.056	23.556	-122.293	38.501
425	2	-32.934	-70.685	-350.059	70.905	21.564	-125.184	37.546
426	1	2.709	-140.957	-363.121	-64.995	27.748	-165.997	158.930
426	2	2.675	-145.711	-363.855	-64.849	27.022	-170.058	159.422
427	1	-29.249	-148.729	-369.981	-63.823	-1.569	-176.409	156.553
427	2	-29.215	-153.465	-370.696	-63.681	-2.375	-180.305	157.145
428	1	-1.668	-222.551	-372.258	72.069	19.766	-243.986	16.563
428	2	-1.705	-227.125	-372.943	71.919	19.285	-248.116	16.271
429	1	-35.563	-230.800	-379.584	71.814	-11.992	-254.370	18.170
429	2	-35.530	-235.356	-380.249	71.664	-12.486	-258.399	17.825
430	1	-2.205	-306.523	-393.868	-63.479	10.504	-319.234	168.677
430	2	-2.235	-310.919	-394.523	-63.337	10.255	-323.409	168.844
431	1	-34.255	-314.292	-400.652	-65.050	-19.882	-328.665	167.540
431	2	-34.217	-318.670	-401.288	-64.905	-20.107	-332.780	167.735
432	1	-4.361	-387.861	-402.456	71.171	8.421	-400.644	10.181
432	2	-4.396	-392.076	-403.063	71.021	8.204	-404.677	10.061
433	1	-25.167	-76.002	-371.929	-59.359	13.987	-115.157	146.590
433	2	-25.141	-80.895	-372.722	-59.235	12.448	-118.485	147.601
434	1	-0.736	-145.542	-375.768	67.605	25.919	-172.198	21.518
434	2	-0.771	-150.281	-376.525	67.455	25.164	-176.216	21.030
435	1	-32.686	-153.298	-382.579	68.771	-1.525	-184.459	24.376
435	2	-32.654	-158.020	-383.318	68.617	-2.399	-188.275	23.794
436	1	-0.751	-223.058	-394.163	-57.622	13.296	-237.106	166.299
436	2	-0.777	-227.633	-394.897	-57.503	12.965	-241.376	166.558
437	1	-30.343	-230.215	-400.336	-57.759	-14.852	-245.706	164.986
437	2	-30.310	-234.774	-401.053	-57.641	-15.180	-249.904	165.292
438	1	-2.704	-299.408	-403.480	68.828	12.484	-314.597	12.444
438	2	-2.742	-303.815	-404.165	68.675	12.182	-318.740	12.261
439	1	-34.746	-307.168	-410.236	67.263	-19.043	-322.871	13.140

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
439	2	-34.716	-311.558	-410.903	67.113	-19.304	-326.970	12.933
440	1	-6.009	-377.510	-422.493	-59.081	3.160	-386.680	171.178
440	2	-6.028	-381.749	-423.153	-58.957	3.005	-390.784	171.288
441	1	-30.067	-89.309	-383.117	62.580	9.548	-128.924	32.335
441	2	-30.033	-94.142	-383.930	62.441	8.101	-132.276	31.413
442	1	0.666	-152.501	-391.971	-53.006	17.221	-169.056	162.655
442	2	0.641	-157.212	-392.789	-52.914	16.737	-173.308	163.080
443	1	-25.947	-158.916	-397.380	-51.181	-8.528	-176.335	161.205
443	2	-25.926	-163.616	-398.185	-51.100	-9.034	-180.509	161.707
444	1	-2.055	-222.035	-401.706	64.197	15.309	-239.399	15.135
444	2	-2.088	-226.606	-402.475	64.053	14.900	-243.595	14.854
445	1	-31.642	-229.179	-407.858	64.053	-12.690	-248.131	16.482
445	2	-31.616	-233.736	-408.610	63.908	-13.104	-252.248	16.154
446	1	-4.643	-293.239	-417.559	-50.962	4.091	-301.974	170.274
446	2	-4.655	-297.672	-418.312	-50.881	3.928	-306.256	170.424
447	1	-31.326	-299.645	-422.927	-52.987	-21.241	-309.730	169.224
447	2	-31.294	-304.066	-423.665	-52.896	-21.395	-313.964	169.400
448	1	-3.714	-362.139	-426.391	62.569	6.894	-372.747	9.623
448	2	-3.754	-366.434	-427.099	62.432	6.691	-376.880	9.499
449	1	-21.457	-103.220	-392.897	-46.011	-0.789	-123.889	155.810
449	2	-21.457	-107.973	-393.782	-45.969	-1.592	-127.838	156.629
450	1	-2.086	-159.892	-398.340	56.474	16.041	-178.020	17.796
450	2	-2.107	-164.553	-399.188	56.363	15.532	-182.193	17.379
451	1	-28.695	-166.297	-403.743	58.299	-7.316	-187.676	20.138
451	2	-28.671	-170.946	-404.576	58.176	-7.911	-191.706	19.638
452	1	-3.276	-222.340	-410.674	-44.054	5.251	-230.867	169.045
452	2	-3.284	-226.910	-411.518	-44.025	5.070	-235.265	169.254
453	1	-26.811	-227.967	-415.271	-44.104	-17.565	-237.212	168.161
453	2	-26.794	-232.530	-416.106	-44.076	-17.749	-241.575	168.403
454	1	-3.274	-284.178	-419.776	58.276	8.336	-295.789	11.267
454	2	-3.306	-288.656	-420.582	58.154	8.090	-300.053	11.088
455	1	-29.956	-290.582	-425.137	56.245	-18.336	-302.202	11.673
455	2	-29.943	-295.048	-425.929	56.133	-18.547	-306.444	11.476
456	1	-8.688	-347.296	-432.998	-45.861	-2.587	-353.397	172.421
456	2	-8.680	-351.676	-433.794	-45.819	-2.665	-357.691	172.521
457	1	-25.907	-119.750	-398.620	49.986	-4.270	-141.387	23.405
457	2	-25.882	-124.369	-399.517	49.913	-5.010	-145.242	22.693

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
458	1	-1.962	-167.911	-402.961	-39.135	6.803	-176.677	167.374
458	2	-1.967	-172.509	-403.882	-39.155	6.592	-181.069	167.668
459	1	-22.143	-172.698	-406.732	-37.083	-13.504	-181.336	166.887
459	2	-22.151	-177.296	-407.651	-37.123	-13.726	-185.722	167.213
460	1	-3.433	-221.715	-412.085	51.805	8.237	-233.386	12.696
460	2	-3.450	-226.282	-412.975	51.718	7.968	-237.700	12.450
461	1	-26.967	-227.349	-416.675	51.756	-14.388	-239.927	13.660
461	2	-26.959	-231.908	-417.556	51.669	-14.669	-244.198	13.379
462	1	-7.153	-276.456	-422.009	-36.976	-2.168	-281.440	172.322
462	2	-7.136	-280.990	-422.904	-37.015	-2.221	-285.905	172.436
463	1	-27.380	-281.247	-425.752	-39.058	-21.506	-287.121	171.448
463	2	-27.366	-285.782	-426.645	-39.077	-21.586	-291.562	171.586
464	1	-4.551	-329.498	-430.113	49.926	2.946	-336.996	8.541
464	2	-4.584	-334.005	-430.986	49.853	2.794	-341.384	8.420
465	1	-17.797	-134.377	-398.060	-32.107	-9.539	-142.635	165.576
465	2	-17.839	-138.847	-399.034	-32.211	-9.799	-146.887	165.985
466	1	-3.853	-176.254	-404.066	42.774	6.176	-186.283	13.195
466	2	-3.845	-180.761	-405.013	42.758	5.947	-190.553	12.899
467	1	-24.033	-181.037	-407.851	44.822	-12.138	-192.932	14.862
467	2	-24.029	-185.544	-408.795	44.786	-12.442	-197.132	14.506
468	1	-5.792	-221.740	-410.692	-30.272	-1.629	-225.904	172.169
468	2	-5.769	-226.301	-411.665	-30.397	-1.656	-230.414	172.294
469	1	-22.797	-225.740	-413.665	-30.257	-18.382	-230.155	171.698
469	2	-22.812	-230.310	-414.644	-30.382	-18.455	-234.667	171.838
470	1	-4.633	-267.148	-418.713	44.741	2.782	-274.564	9.411
470	2	-4.646	-271.766	-419.677	44.705	2.636	-279.050	9.253
471	1	-24.860	-271.941	-422.456	42.656	-17.703	-279.098	9.524
471	2	-24.877	-276.560	-423.418	42.640	-17.849	-283.587	9.359
472	1	-10.818	-313.223	-426.269	-32.032	-7.462	-316.578	174.019
472	2	-10.767	-317.884	-427.247	-32.135	-7.441	-321.210	174.090
473	1	-21.239	-150.643	-399.004	36.064	-11.866	-160.015	14.567
473	2	-21.235	-154.894	-399.969	36.117	-12.100	-164.029	14.194
474	1	-4.565	-183.712	-399.714	-25.969	-0.877	-187.401	171.916
474	2	-4.537	-188.113	-400.723	-26.168	-0.880	-191.771	172.043
475	1	-18.487	-186.945	-401.930	-24.009	-15.132	-190.300	172.045
475	2	-18.543	-191.366	-402.957	-24.240	-15.207	-194.702	172.165
476	1	-5.082	-221.384	-407.492	37.763	1.321	-227.788	9.624

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
476	2	-5.066	-225.942	-408.510	37.792	1.220	-232.229	9.445
477	1	-22.088	-225.381	-410.465	37.778	-15.294	-232.175	10.194
477	2	-22.111	-229.948	-411.489	37.807	-15.447	-236.612	9.996
478	1	-9.478	-259.363	-412.175	-24.002	-7.193	-261.647	174.562
478	2	-9.415	-264.071	-413.229	-24.232	-7.130	-266.357	174.612
479	1	-23.433	-262.600	-414.384	-25.884	-20.664	-265.370	173.893
479	2	-23.454	-267.329	-415.455	-26.083	-20.696	-270.088	173.963
480	1	-5.962	-296.261	-418.940	35.937	-1.579	-300.644	6.953
480	2	-5.973	-301.133	-420.016	35.990	-1.648	-305.459	6.852
481	1	-14.351	-163.894	-390.859	-19.569	-11.833	-166.412	172.666
481	2	-14.456	-167.916	-391.874	-19.891	-11.920	-170.453	172.733
482	1	-5.569	-191.655	-396.804	29.237	-1.083	-196.140	8.722
482	2	-5.514	-195.920	-397.818	29.382	-1.083	-200.351	8.576
483	1	-19.496	-194.885	-399.034	31.197	-14.112	-200.269	9.791
483	2	-19.524	-199.171	-400.065	31.310	-14.224	-204.471	9.609
484	1	-8.038	-221.108	-398.661	-17.963	-6.534	-222.612	175.214
484	2	-7.967	-225.655	-399.739	-18.316	-6.437	-227.185	175.223
485	1	-19.030	-223.605	-400.169	-17.897	-17.477	-225.159	175.037
485	2	-19.096	-228.185	-401.278	-18.251	-17.515	-229.766	175.048
486	1	-6.394	-250.906	-405.205	31.101	-2.500	-254.800	7.136
486	2	-6.371	-255.744	-406.330	31.215	-2.523	-259.592	7.027
487	1	-20.351	-254.141	-407.421	29.218	-16.754	-257.737	7.017
487	2	-20.412	-258.999	-408.563	29.362	-16.851	-262.560	6.914
488	1	-12.724	-280.916	-407.950	-19.584	-11.301	-282.339	175.845
488	2	-12.615	-286.021	-409.122	-19.905	-11.173	-287.462	175.857
489	1	-16.823	-178.825	-388.287	23.169	-13.574	-182.074	7.981
489	2	-16.854	-182.535	-389.249	23.419	-13.607	-185.782	7.892
490	1	-6.745	-198.131	-386.227	-14.120	-5.709	-199.168	175.803
490	2	-6.669	-202.241	-387.254	-14.576	-5.588	-203.321	175.760
491	1	-14.980	-199.951	-387.077	-12.390	-14.154	-200.777	176.184
491	2	-15.102	-204.109	-388.150	-12.890	-14.227	-204.984	176.116
492	1	-6.746	-220.962	-392.349	24.671	-3.941	-223.766	6.485
492	2	-6.679	-225.506	-393.452	24.886	-3.885	-228.300	6.407
493	1	-17.742	-223.468	-393.878	24.737	-14.810	-226.401	6.761
493	2	-17.812	-228.045	-395.011	24.952	-14.891	-230.966	6.677
494	1	-11.142	-243.538	-392.686	-12.423	-10.479	-244.200	176.948
494	2	-11.017	-248.505	-393.864	-12.921	-10.316	-249.206	176.894

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
495	1	-19.380	-245.356	-393.521	-14.009	-18.515	-246.221	176.466
495	2	-19.455	-250.372	-394.746	-14.464	-18.552	-251.275	176.429
496	1	-7.668	-265.660	-397.926	23.042	-5.626	-267.702	5.064
496	2	-7.640	-271.072	-399.200	23.291	-5.597	-273.116	5.014
497	1	-11.271	-189.918	-375.257	-8.750	-10.843	-190.346	177.202
497	2	-11.460	-193.306	-376.196	-9.371	-10.978	-193.788	177.057
498	1	-7.012	-205.092	-380.614	16.953	-5.572	-206.532	4.856
498	2	-6.890	-209.015	-381.600	17.334	-5.415	-210.491	4.866
499	1	-15.253	-206.913	-381.477	18.684	-13.449	-208.718	5.516
499	2	-15.330	-210.886	-382.509	19.021	-13.497	-212.719	5.504
500	1	-9.793	-220.425	-378.792	-7.433	-9.531	-220.687	177.981
500	2	-9.659	-224.951	-379.888	-8.096	-9.355	-225.255	177.849
501	1	-15.551	-221.629	-379.038	-7.346	-15.290	-221.890	177.961
501	2	-15.688	-226.222	-380.198	-8.009	-15.384	-226.526	177.824
502	1	-7.885	-236.343	-383.590	18.561	-6.386	-237.841	4.614
502	2	-7.807	-241.493	-384.820	18.898	-6.289	-243.012	4.593
503	1	-16.129	-238.170	-384.446	16.976	-14.838	-239.461	4.347
503	2	-16.251	-243.370	-385.722	17.356	-14.932	-244.688	4.345
504	1	-14.059	-252.183	-382.587	-8.843	-13.731	-252.511	177.876
504	2	-13.874	-257.916	-383.903	-9.462	-13.508	-258.283	177.783
505	1	-12.852	-202.731	-370.356	11.842	-12.116	-203.467	3.555
505	2	-12.934	-205.710	-371.169	12.366	-12.144	-206.501	3.655
506	1	-8.407	-210.330	-366.394	-4.144	-8.322	-210.415	178.824
506	2	-8.266	-214.045	-367.289	-4.938	-8.148	-214.164	178.626
507	1	-11.813	-210.953	-366.092	-2.632	-11.778	-210.988	179.243
507	2	-12.024	-214.756	-367.072	-3.480	-11.964	-214.815	179.016
508	1	-8.164	-220.359	-370.707	13.107	-7.358	-221.166	3.521
508	2	-8.026	-224.885	-371.780	13.586	-7.178	-225.733	3.571
509	1	-13.929	-221.572	-370.988	13.196	-13.094	-222.407	3.622
509	2	-14.061	-226.164	-372.125	13.675	-13.183	-227.043	3.674
510	1	-12.434	-229.787	-367.782	-2.721	-12.400	-229.821	179.283
510	2	-12.233	-235.103	-368.976	-3.568	-12.176	-235.161	179.083
511	1	-15.833	-230.410	-367.487	-4.043	-15.757	-230.486	178.920
511	2	-15.984	-235.813	-368.765	-4.835	-15.878	-235.920	178.740
512	1	-9.230	-239.252	-371.360	11.744	-8.632	-239.850	2.915
512	2	-9.143	-245.394	-372.755	12.267	-8.508	-246.029	2.964
513	1	-8.426	-212.008	-354.876	0.508	-8.425	-212.010	0.143

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
513	2	-8.720	-214.574	-355.531	-0.489	-8.719	-214.575	179.863
514	1	-8.202	-216.358	-359.340	6.529	-7.998	-216.563	1.795
514	2	-7.991	-219.841	-360.116	7.227	-7.745	-220.087	1.951
515	1	-11.614	-216.983	-359.072	8.041	-11.300	-217.297	2.239
515	2	-11.755	-220.553	-359.934	8.685	-11.394	-220.914	2.378
516	1	-10.908	-219.641	-354.763	1.575	-10.896	-219.653	0.432
516	2	-10.696	-224.140	-355.699	0.524	-10.694	-224.141	0.141
517	1	-12.139	-219.730	-353.962	1.674	-12.126	-219.743	0.462
517	2	-12.369	-224.339	-355.005	0.625	-12.368	-224.341	0.169
518	1	-9.218	-223.705	-357.781	7.935	-8.925	-223.998	2.116
518	2	-9.064	-229.258	-358.974	8.576	-8.730	-229.592	2.227
519	1	-12.623	-224.329	-357.514	6.611	-12.416	-224.536	1.787
519	2	-12.821	-229.970	-358.791	7.308	-12.575	-230.216	1.925
520	1	-14.589	-227.363	-353.870	0.422	-14.588	-227.364	0.114
520	2	-14.315	-233.909	-355.192	-0.573	-14.313	-233.910	179.850
521	1	-9.331	-222.618	-348.789	2.082	-9.311	-222.638	0.559
521	2	-9.478	-224.684	-349.210	2.963	-9.437	-224.725	0.788
522	1	-9.573	-220.428	-343.674	4.078	-9.494	-220.507	1.108
522	2	-9.353	-223.648	-344.186	2.872	-9.314	-223.686	0.767
523	1	-8.943	-220.057	-342.444	5.274	-8.811	-220.188	1.430
523	2	-9.262	-223.411	-343.089	4.005	-9.187	-223.486	1.071
524	1	-9.166	-219.625	-346.063	3.100	-9.120	-219.671	0.844
524	2	-8.933	-224.129	-346.892	3.923	-8.861	-224.201	1.044
525	1	-10.404	-219.715	-345.297	3.199	-10.355	-219.764	0.875
525	2	-10.613	-224.329	-346.233	4.024	-10.538	-224.404	1.078
526	1	-13.023	-218.008	-340.806	5.171	-12.892	-218.139	1.444
526	2	-12.731	-223.762	-341.803	3.902	-12.659	-223.834	1.059
527	1	-12.371	-217.637	-339.583	4.159	-12.287	-217.722	1.160
527	2	-12.620	-223.525	-340.712	2.958	-12.579	-223.567	0.803
528	1	-10.204	-216.709	-342.599	1.959	-10.186	-216.728	0.543
528	2	-10.036	-223.764	-343.941	2.837	-9.998	-223.802	0.760
529	1	-6.079	-229.535	-332.904	7.523	-5.826	-229.788	1.926
529	2	-6.494	-231.102	-332.952	6.084	-6.329	-231.266	1.550
530	1	-9.008	-225.091	-336.199	-2.251	-8.985	-225.114	179.403
530	2	-8.687	-228.041	-336.474	-1.159	-8.681	-228.047	179.697
531	1	-8.384	-224.726	-334.982	-1.054	-8.379	-224.732	179.720
531	2	-8.603	-227.811	-335.391	-0.025	-8.603	-227.811	180.000

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
532	1	-11.551	-218.770	-329.832	8.284	-11.221	-219.101	2.285
532	2	-11.250	-223.236	-330.315	6.783	-11.033	-223.453	1.831
533	1	-9.282	-217.998	-328.242	8.375	-8.946	-218.333	2.294
533	2	-9.625	-222.624	-328.884	6.878	-9.403	-222.846	1.848
534	1	-10.119	-213.255	-331.024	-1.144	-10.112	-213.261	179.677
534	2	-9.865	-219.296	-331.925	-0.120	-9.865	-219.296	179.967
535	1	-9.474	-212.884	-329.835	-2.155	-9.451	-212.907	179.393
535	2	-9.761	-219.060	-330.869	-1.064	-9.756	-219.066	179.708
536	1	-14.709	-207.209	-325.211	7.413	-14.424	-207.494	2.202
536	2	-14.339	-214.739	-326.287	5.974	-14.161	-214.917	1.706
537	1	-6.348	-237.314	-326.457	-5.584	-6.213	-237.449	178.615
537	2	-6.576	-238.330	-326.125	-4.276	-6.497	-238.409	178.943
538	1	-10.159	-227.778	-320.898	10.069	-9.694	-228.243	2.643
538	2	-9.850	-230.427	-320.650	8.401	-9.530	-230.746	2.178
539	1	-6.544	-226.670	-318.982	10.935	-6.002	-227.212	2.837
539	2	-6.985	-229.506	-318.922	9.202	-6.605	-229.886	2.364
540	1	-9.871	-218.711	-321.488	-4.842	-9.758	-218.823	178.672
540	2	-9.524	-223.189	-321.734	-3.600	-9.463	-223.250	179.034
541	1	-7.606	-217.946	-319.912	-4.750	-7.499	-218.053	178.707
541	2	-7.905	-222.585	-320.318	-3.505	-7.848	-222.643	179.065
542	1	-13.116	-208.732	-314.802	10.831	-12.518	-209.330	3.159
542	2	-12.730	-214.990	-315.260	9.098	-12.322	-215.398	2.570
543	1	-9.470	-207.624	-312.907	10.129	-8.953	-208.141	2.918
543	2	-9.836	-214.069	-313.552	8.470	-9.486	-214.420	2.371
544	1	-11.084	-199.315	-314.984	-5.663	-10.914	-199.486	178.278
544	2	-10.811	-207.423	-315.965	-4.361	-10.714	-207.520	178.729
545	1	-4.123	-241.887	-311.719	12.432	-3.475	-242.535	2.985
545	2	-4.664	-242.365	-310.712	10.530	-4.198	-242.830	2.531
546	1	-9.388	-231.028	-313.790	-8.785	-9.040	-231.375	177.733
546	2	-8.944	-233.399	-313.146	-7.243	-8.711	-233.632	178.153
547	1	-5.779	-229.927	-311.902	-7.919	-5.499	-230.206	177.979
547	2	-6.085	-232.486	-311.447	-6.441	-5.902	-232.669	178.371
548	1	-11.622	-217.769	-306.508	12.929	-10.815	-218.577	3.575
548	2	-11.229	-222.198	-306.109	10.962	-10.661	-222.766	2.966
549	1	-6.845	-216.383	-304.372	13.004	-6.041	-217.187	3.538
549	2	-7.312	-221.028	-304.188	11.043	-6.743	-221.597	2.950
550	1	-10.686	-205.287	-306.097	-7.983	-10.359	-205.614	177.654

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
550	2	-10.314	-211.859	-306.309	-6.514	-10.104	-212.069	178.150
551	1	-7.045	-204.186	-304.229	-8.684	-6.663	-204.568	177.482
551	2	-7.426	-210.946	-304.629	-7.141	-7.176	-211.196	177.993
552	1	-14.291	-192.220	-299.209	12.328	-13.441	-193.070	3.945
552	2	-13.828	-200.822	-299.631	10.425	-13.248	-201.401	3.181
553	1	-3.955	-247.066	-305.695	-11.129	-3.447	-247.575	177.384
553	2	-4.272	-246.990	-304.122	-9.354	-3.912	-247.350	177.796
554	1	-10.217	-232.485	-300.225	14.012	-9.337	-233.364	3.593
554	2	-9.817	-234.537	-298.707	11.889	-9.190	-235.164	3.020
555	1	-4.583	-230.892	-297.888	14.541	-3.652	-231.822	3.661
555	2	-5.144	-233.186	-296.615	12.363	-4.476	-233.854	3.094
556	1	-10.136	-217.637	-299.212	-10.634	-9.592	-218.180	177.073
556	2	-9.663	-222.090	-298.395	-8.929	-9.289	-222.464	177.597
557	1	-5.363	-216.258	-297.083	-10.560	-4.836	-216.786	177.140
557	2	-5.752	-220.927	-296.483	-8.849	-5.389	-221.290	177.649
558	1	-12.674	-201.868	-291.910	14.445	-11.578	-202.965	4.341
558	2	-12.205	-208.650	-291.334	12.264	-11.443	-209.413	3.559
559	1	-7.004	-200.269	-289.593	14.042	-5.989	-201.284	4.134
559	2	-7.499	-207.292	-289.260	11.932	-6.789	-208.002	3.406
560	1	-11.490	-186.775	-290.648	-11.180	-10.780	-187.485	176.365
560	2	-11.094	-195.980	-290.800	-9.415	-10.615	-196.458	177.092
561	1	-2.637	-249.345	-293.254	15.267	-1.695	-250.286	3.527
561	2	-3.282	-248.769	-290.611	12.950	-2.601	-249.450	3.011
562	1	-9.353	-234.291	-294.116	-13.243	-8.576	-235.068	176.642
562	2	-8.787	-236.108	-292.001	-11.240	-8.232	-236.662	177.176
563	1	-3.723	-232.692	-291.779	-12.713	-3.020	-233.396	176.831
563	2	-4.119	-234.751	-289.910	-10.765	-3.617	-235.252	177.333
564	1	-11.152	-216.639	-286.654	15.488	-9.992	-217.800	4.286
564	2	-10.682	-221.032	-284.796	13.116	-9.867	-221.847	3.554
565	1	-4.851	-214.892	-284.193	15.540	-3.708	-216.035	4.208
565	2	-5.438	-219.550	-282.605	13.176	-4.630	-220.358	3.508
566	1	-10.829	-199.699	-284.862	-12.747	-9.973	-200.555	176.156
566	2	-10.328	-206.779	-283.827	-10.811	-9.735	-207.372	176.859
567	1	-5.163	-198.099	-282.552	-13.149	-4.271	-198.991	176.119
567	2	-5.627	-205.422	-281.762	-11.142	-5.007	-206.041	176.817
568	1	-13.307	-182.124	-277.634	15.180	-11.952	-183.478	5.097
568	2	-12.782	-191.760	-276.827	12.860	-11.863	-192.680	4.089

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
569	1	-2.065	-251.670	-288.076	-14.615	-1.212	-252.523	176.660
569	2	-2.472	-250.673	-284.664	-12.397	-1.855	-251.291	177.147
570	1	-9.739	-234.450	-283.179	15.781	-8.636	-235.553	3.997
570	2	-9.265	-235.993	-279.754	13.305	-8.487	-236.771	3.347
571	1	-3.098	-232.616	-280.621	15.951	-1.995	-233.720	3.956
571	2	-3.755	-234.444	-277.490	13.444	-2.974	-235.225	3.324
572	1	-9.948	-216.401	-280.869	-14.388	-8.950	-217.399	176.032
572	2	-9.355	-220.833	-278.361	-12.230	-8.650	-221.538	176.701
573	1	-3.650	-214.654	-278.429	-14.336	-2.681	-215.623	176.131
573	2	-4.115	-219.352	-276.193	-12.169	-3.429	-220.038	176.774
574	1	-11.666	-197.500	-273.635	15.868	-10.321	-198.845	4.845
574	2	-11.147	-204.728	-271.365	13.355	-10.230	-205.645	3.928
575	1	-4.989	-195.660	-271.112	15.779	-3.692	-196.957	4.699
575	2	-5.605	-203.173	-269.133	13.320	-4.711	-204.067	3.839
576	1	-11.473	-179.330	-271.264	-14.635	-10.207	-180.596	175.054
576	2	-10.943	-189.465	-269.928	-12.432	-10.081	-190.327	176.035
577	1	-1.758	-251.611	-278.636	15.755	-0.769	-252.600	3.594
577	2	-2.455	-250.246	-273.675	13.192	-1.755	-250.947	3.039
578	1	-8.830	-234.715	-278.366	-15.602	-7.757	-235.788	176.067
578	2	-8.165	-236.127	-274.112	-13.208	-7.402	-236.890	176.695
579	1	-2.192	-232.876	-275.830	-15.434	-1.164	-233.905	176.189
579	2	-2.658	-234.574	-271.871	-13.071	-1.923	-235.308	176.784
580	1	-10.054	-215.366	-271.381	15.638	-8.869	-216.551	4.331
580	2	-9.544	-219.731	-267.353	13.045	-8.738	-220.538	3.538
581	1	-3.286	-213.504	-268.838	15.667	-2.125	-214.665	4.239
581	2	-3.961	-218.168	-265.118	13.088	-3.164	-218.964	3.483
582	1	-10.491	-196.661	-268.604	-15.432	-9.220	-197.932	175.293
582	2	-9.871	-204.115	-265.601	-13.086	-8.993	-204.993	176.163
583	1	-3.818	-194.823	-266.095	-15.521	-2.565	-196.077	175.384
583	2	-4.332	-202.563	-263.385	-13.121	-3.467	-203.428	176.229
584	1	-11.528	-177.207	-261.626	15.699	-10.053	-178.681	5.365
584	2	-11.002	-187.609	-258.834	13.129	-10.031	-188.580	4.228
585	1	-0.641	-250.318	-274.339	-15.926	0.370	-251.329	176.365
585	2	-1.122	-248.845	-268.408	-13.392	-0.400	-249.567	176.914
586	1	-8.670	-233.212	-270.430	14.726	-7.708	-234.174	3.736
586	2	-8.165	-234.482	-264.373	12.139	-7.516	-235.131	3.061
587	1	-2.292	-231.446	-267.977	14.329	-1.399	-232.338	3.564

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
587	2	-2.979	-233.017	-262.237	11.765	-2.379	-233.617	2.920
588	1	-9.179	-215.027	-267.350	-16.060	-7.934	-216.272	175.565
588	2	-8.497	-219.449	-262.399	-13.559	-7.629	-220.317	176.337
589	1	-2.414	-213.166	-264.821	-16.030	-1.202	-214.378	175.675
589	2	-2.917	-217.887	-260.182	-13.516	-2.070	-218.734	176.416
590	1	-9.723	-195.996	-260.766	14.297	-8.632	-197.087	4.363
590	2	-9.226	-203.460	-256.000	11.722	-8.521	-204.165	3.441
591	1	-3.303	-194.224	-258.348	14.715	-2.175	-195.351	4.381
591	2	-4.002	-201.990	-253.896	12.150	-3.259	-202.733	3.498
592	1	-10.893	-177.800	-257.866	-15.922	-9.387	-179.305	174.599
592	2	-10.237	-188.426	-254.202	-13.408	-9.234	-189.429	175.720
593	1	-1.929	-246.337	-267.892	12.448	-1.297	-246.969	2.908
593	2	-2.579	-244.840	-259.897	9.982	-2.168	-245.250	2.355
594	1	-7.513	-231.051	-266.803	-15.440	-6.452	-232.113	176.067
594	2	-6.815	-232.415	-259.681	-12.859	-6.084	-233.146	176.748
595	1	-1.138	-229.287	-264.378	-15.835	-0.044	-230.380	176.048
595	2	-1.632	-230.953	-257.576	-13.232	-0.871	-231.714	176.708
596	1	-8.228	-213.873	-261.036	11.818	-7.551	-214.550	3.278
596	2	-7.756	-218.231	-254.033	9.370	-7.339	-218.647	2.544
597	1	-2.691	-212.332	-258.839	11.816	-2.027	-212.996	3.216
597	2	-3.382	-216.984	-252.150	9.386	-2.970	-217.396	2.511
598	1	-9.442	-197.310	-258.054	-15.825	-8.118	-198.634	175.218
598	2	-8.739	-204.813	-252.220	-13.243	-7.849	-205.703	176.153
599	1	-3.024	-195.547	-255.636	-15.405	-1.799	-196.772	175.453
599	2	-3.518	-203.352	-250.119	-12.814	-2.700	-204.171	176.346
600	1	-8.943	-179.808	-252.052	12.400	-8.048	-180.703	4.129
600	2	-8.518	-190.324	-246.350	9.923	-7.978	-190.864	3.115
601	1	0.156	-239.807	-263.986	-13.888	0.957	-240.608	176.698
601	2	-0.350	-238.726	-254.859	-11.321	0.186	-239.262	177.287
602	1	-6.793	-227.067	-261.521	9.322	-6.399	-227.461	2.419
602	2	-6.335	-228.529	-252.097	7.070	-6.110	-228.754	1.820
603	1	-2.633	-225.864	-259.650	8.255	-2.328	-226.169	2.115
603	2	-3.234	-227.597	-250.521	6.111	-3.067	-227.763	1.559
604	1	-7.656	-213.391	-258.666	-14.548	-6.632	-214.415	175.975
604	2	-6.957	-217.826	-250.455	-11.961	-6.281	-218.502	176.763
605	1	-2.121	-211.838	-256.470	-14.550	-1.116	-212.843	176.050
605	2	-2.585	-216.569	-248.576	-11.945	-1.921	-217.233	176.814

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
606	1	-6.974	-198.854	-253.560	8.228	-6.622	-199.207	2.451
606	2	-6.616	-206.141	-245.404	6.070	-6.431	-206.326	1.741
607	1	-2.792	-197.653	-251.712	9.323	-2.347	-198.098	2.733
607	2	-3.496	-205.211	-243.847	7.096	-3.246	-205.460	2.012
608	1	-9.887	-185.377	-251.196	-13.831	-8.803	-186.460	175.521
608	2	-9.152	-195.631	-244.213	-11.288	-8.472	-196.312	176.548
609	1	-1.816	-230.493	-259.458	4.181	-1.739	-230.570	1.047
609	2	-2.245	-229.979	-247.789	2.377	-2.220	-230.004	0.598
610	1	-5.216	-222.025	-258.673	-11.269	-4.631	-222.609	177.032
610	2	-4.599	-223.951	-247.991	-8.887	-4.239	-224.310	177.683
611	1	-1.056	-220.824	-256.810	-12.336	-0.366	-221.515	176.797
611	2	-1.499	-223.022	-246.427	-9.846	-1.062	-223.459	177.460
612	1	-5.036	-212.016	-254.829	3.418	-4.979	-212.072	0.946
612	2	-4.734	-216.404	-244.063	1.724	-4.720	-216.418	0.467
613	1	-2.989	-211.344	-253.514	3.228	-2.939	-211.395	0.887
613	2	-3.574	-215.961	-243.005	1.553	-3.562	-215.972	0.419
614	1	-7.704	-203.038	-253.025	-12.291	-6.934	-203.809	176.413
614	2	-7.000	-210.034	-243.436	-9.826	-6.526	-210.508	177.235
615	1	-3.522	-201.833	-251.188	-11.196	-2.892	-202.463	176.779
615	2	-3.882	-209.100	-241.894	-8.800	-3.505	-209.477	177.549
616	1	-5.163	-192.523	-248.664	4.635	-5.048	-192.638	1.416
616	2	-5.007	-202.040	-239.050	2.826	-4.967	-202.080	0.822
617	1	1.017	-220.071	-255.715	-6.510	1.209	-220.262	178.314
617	2	0.563	-220.856	-242.872	-4.402	0.650	-220.944	178.861
618	1	-6.014	-215.542	-255.349	3.122	-5.967	-215.588	0.853
618	2	-5.839	-217.981	-241.986	1.968	-5.821	-217.999	0.531
619	1	-6.595	-215.526	-254.691	-0.642	-6.593	-215.528	179.824
619	2	-7.024	-218.125	-241.521	-1.630	-7.011	-218.138	179.557
620	1	-4.486	-210.720	-253.383	-8.051	-4.172	-211.034	177.767
620	2	-3.908	-215.191	-241.148	-5.842	-3.746	-215.352	178.417
621	1	-2.441	-210.045	-252.070	-8.241	-2.114	-210.372	177.730
621	2	-2.749	-214.745	-240.095	-6.012	-2.579	-214.916	178.376
622	1	-5.539	-206.548	-251.150	-1.689	-5.525	-206.562	179.518
622	2	-5.583	-212.970	-238.748	-2.693	-5.548	-213.005	179.256
623	1	-6.215	-206.562	-250.520	-1.252	-6.207	-206.570	179.641
623	2	-6.859	-213.142	-238.309	-2.463	-6.830	-213.172	179.316
624	1	-7.630	-203.285	-250.235	-7.261	-7.360	-203.554	177.877

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
624	2	-6.906	-211.710	-238.872	-5.197	-6.774	-211.841	178.547
625	1	-6.094	-196.283	-265.010	-3.808	-6.018	-196.360	178.853
625	2	-6.131	-198.407	-248.181	-4.104	-6.043	-198.495	178.777
626	1	1.801	-198.107	-263.787	3.663	1.869	-198.174	1.049
626	2	2.195	-201.245	-247.941	5.309	2.333	-201.384	1.494
627	1	1.055	-198.595	-263.211	-0.384	1.055	-198.595	179.889
627	2	0.808	-201.883	-247.573	1.427	0.818	-201.893	0.403
628	1	-1.345	-203.616	-263.833	-7.084	-1.097	-203.864	177.996
628	2	-1.395	-207.996	-247.563	-7.104	-1.151	-208.240	178.033
629	1	-5.427	-204.574	-263.979	-8.684	-5.049	-204.952	177.507
629	2	-5.740	-209.032	-247.832	-8.724	-5.367	-209.405	177.547
630	1	-2.556	-207.995	-264.127	-1.524	-2.545	-208.007	179.575
630	2	-1.924	-213.485	-248.852	0.288	-1.924	-213.485	0.078
631	1	-3.274	-207.989	-263.467	-1.062	-3.268	-207.995	179.702
631	2	-3.286	-213.657	-248.402	0.525	-3.285	-213.659	0.143
632	1	-1.802	-211.967	-263.080	-8.115	-1.489	-212.280	177.792
632	2	-2.136	-218.724	-247.498	-8.434	-1.808	-219.052	177.773
633	1	0.733	-169.880	-257.274	9.402	1.250	-170.397	3.144
633	2	0.527	-174.095	-239.199	10.348	1.138	-174.706	3.379
634	1	1.076	-183.505	-258.807	-12.660	1.940	-184.369	176.094
634	2	1.008	-187.650	-239.868	-11.939	1.761	-188.403	176.393
635	1	-5.499	-184.975	-259.572	-14.053	-4.405	-186.068	175.549
635	2	-5.322	-189.072	-240.637	-12.897	-4.421	-189.973	176.004
636	1	0.578	-196.855	-260.978	6.354	0.782	-197.059	1.841
636	2	0.896	-201.165	-242.937	7.575	1.180	-201.448	2.144
637	1	-3.473	-197.683	-261.102	4.803	-3.354	-197.802	1.416
637	2	-3.419	-202.072	-243.188	6.008	-3.237	-202.253	1.730
638	1	0.259	-208.809	-261.476	-14.199	1.219	-209.769	176.132
638	2	-0.234	-213.172	-242.851	-13.078	0.565	-213.972	176.498
639	1	-6.344	-210.279	-262.226	-12.985	-5.520	-211.103	176.371
639	2	-6.595	-214.594	-243.606	-12.244	-5.877	-215.313	176.642
640	1	-3.973	-221.624	-264.281	5.585	-3.829	-221.767	1.469
640	2	-3.383	-226.071	-246.390	6.479	-3.195	-226.259	1.665
641	1	-6.186	-161.648	-253.607	-16.699	-4.412	-163.422	173.937
641	2	-5.364	-168.611	-232.480	-14.438	-4.097	-169.878	174.984
642	1	2.944	-177.445	-255.534	10.845	3.594	-178.095	3.428
642	2	2.793	-183.339	-235.265	10.808	3.418	-183.964	3.312

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
643	1	-3.632	-178.913	-256.295	9.452	-3.124	-179.421	3.078
643	2	-3.540	-184.760	-236.035	9.850	-3.006	-185.294	3.102
644	1	1.570	-194.975	-257.030	-17.871	3.182	-196.587	174.846
644	2	0.955	-199.320	-235.806	-15.185	2.100	-200.465	175.688
645	1	-6.861	-196.913	-258.267	-17.879	-5.193	-198.581	174.672
645	2	-6.557	-201.044	-236.888	-15.165	-5.382	-202.219	175.568
646	1	-0.486	-213.186	-260.820	9.424	-0.069	-213.603	2.532
646	2	-0.251	-216.034	-240.068	9.793	0.191	-216.478	2.593
647	1	-7.091	-214.662	-261.584	10.638	-6.547	-215.206	2.926
647	2	-6.615	-217.464	-240.841	10.627	-6.081	-217.998	2.878
648	1	0.818	-230.114	-261.674	-16.710	2.021	-231.317	175.882
648	2	-0.311	-231.632	-240.201	-14.487	0.592	-232.536	176.430
649	1	-2.978	-150.866	-248.346	14.151	-1.636	-152.208	5.417
649	2	-2.878	-162.080	-226.576	12.947	-1.832	-163.126	4.619
650	1	3.113	-171.316	-249.367	-20.655	5.526	-173.728	173.338
650	2	2.435	-179.212	-226.333	-16.651	3.949	-180.726	174.805
651	1	-7.288	-173.742	-251.110	-22.012	-4.427	-176.604	172.592
651	2	-6.179	-181.207	-227.709	-17.317	-4.482	-182.904	174.403
652	1	2.206	-194.454	-254.372	12.985	3.060	-195.308	3.761
652	2	1.901	-198.917	-231.481	12.251	2.645	-199.662	3.478
653	1	-6.227	-196.392	-255.601	12.978	-5.345	-197.273	3.886
653	2	-5.615	-200.641	-232.560	12.271	-4.846	-201.410	3.586
654	1	2.537	-216.524	-256.040	-21.903	4.705	-218.693	174.345
654	2	1.161	-217.561	-232.007	-17.237	2.511	-218.911	175.521
655	1	-7.829	-218.945	-257.752	-20.494	-5.858	-220.916	174.506
655	2	-7.415	-219.552	-233.356	-16.465	-6.145	-220.822	175.588
656	1	-1.111	-239.845	-261.592	14.196	-0.270	-240.686	3.391
656	2	-0.901	-237.349	-237.437	12.970	-0.192	-238.058	3.130
657	1	-8.170	-140.193	-240.422	-25.102	-3.558	-144.805	169.589
657	2	-6.100	-155.913	-216.174	-18.805	-3.775	-158.237	172.953
658	1	5.300	-165.404	-244.347	18.230	7.225	-167.329	6.028
658	2	4.239	-176.077	-220.452	15.348	5.536	-177.374	4.830
659	1	-5.104	-167.837	-246.101	16.873	-3.373	-169.568	5.858
659	2	-4.379	-178.080	-221.843	14.683	-3.147	-179.312	4.798
660	1	3.451	-193.035	-247.062	-26.081	6.854	-196.438	172.566
660	2	1.896	-197.667	-221.485	-19.010	3.690	-199.462	174.606
661	1	-8.996	-195.975	-249.322	-26.279	-5.373	-199.599	172.149

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
661	2	-7.686	-199.909	-223.118	-19.183	-5.790	-201.804	174.356
662	1	1.951	-221.675	-253.816	16.795	3.205	-222.930	4.271
662	2	1.517	-220.177	-227.609	14.584	2.472	-221.132	3.747
663	1	-8.417	-224.097	-255.547	18.203	-6.892	-225.622	4.790
663	2	-7.063	-222.169	-228.981	15.356	-5.972	-223.260	4.062
664	1	3.095	-248.093	-255.689	-24.014	5.371	-250.369	174.587
664	2	0.736	-240.863	-228.164	-17.592	2.010	-242.137	175.857
665	1	-4.304	-129.570	-232.717	22.320	-0.416	-132.457	9.880
665	2	-3.563	-150.645	-208.760	17.607	-1.485	-152.723	6.732
666	1	3.259	-158.980	-234.276	-29.074	8.312	-164.033	170.141
666	2	0.671	-172.797	-208.830	-19.916	2.928	-175.055	173.533
667	1	-12.141	-162.673	-237.322	-29.021	-6.740	-168.074	169.457
667	2	-10.755	-175.515	-210.974	-19.362	-8.510	-177.760	173.386
668	1	4.723	-191.752	-241.990	20.887	6.919	-193.948	6.002
668	2	3.395	-196.503	-215.153	16.823	4.801	-197.909	4.777
669	1	-7.728	-194.700	-244.269	20.690	-5.466	-196.962	6.239
669	2	-6.191	-198.753	-216.809	16.651	-4.761	-200.182	4.906
670	1	-3.881	-225.673	-246.706	-30.143	0.142	-229.696	172.396
670	2	-7.179	-221.537	-218.085	-20.055	-5.319	-223.397	174.700
671	1	-19.746	-229.475	-249.857	-30.539	-15.389	-233.831	171.881
671	2	-18.778	-224.294	-220.273	-21.523	-16.548	-226.524	174.085
672	1	1.378	-258.716	-253.653	21.251	3.103	-260.441	4.640
672	2	0.850	-245.176	-223.280	16.403	1.939	-246.265	3.797
673	1	-6.567	-132.127	-221.722	-14.347	-4.949	-133.746	173.563
673	2	-18.144	-164.943	-200.609	3.605	-18.056	-165.032	1.406
674	1	4.585	-158.733	-227.889	30.100	9.956	-164.104	10.117
674	2	1.673	-174.572	-202.036	23.635	4.788	-177.687	7.507
675	1	-10.820	-162.434	-230.960	30.153	-5.044	-168.211	10.845
675	2	-9.758	-177.298	-204.207	24.188	-6.335	-180.721	8.053
676	1	8.264	-188.704	-228.585	-18.298	9.949	-190.389	174.737
676	2	-3.168	-193.589	-202.065	-4.891	-3.043	-193.714	178.529
677	1	-14.454	-194.224	-233.475	-18.065	-12.657	-196.022	174.318
677	2	-17.891	-197.134	-205.076	-7.176	-17.604	-197.421	177.710
678	1	-2.117	-223.620	-239.936	30.852	2.099	-227.837	7.783
678	2	-4.168	-215.203	-209.361	24.187	-1.432	-217.940	6.455
679	1	-17.986	-227.430	-243.111	30.456	-13.647	-231.769	8.108
679	2	-15.772	-217.969	-211.577	22.719	-13.251	-220.490	6.332

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
680	1	-15.294	-257.755	-244.859	-19.770	-13.693	-259.357	175.368
680	2	-19.655	-239.183	-212.564	-11.167	-19.088	-239.749	177.095
681	1	15.845	-47.230	-194.567	62.371	54.198	-85.584	31.588
681	2	8.674	-62.694	-168.773	52.887	36.790	-90.809	27.995
682	1	-9.569	-136.011	-214.829	-4.952	-9.376	-136.204	177.760
682	2	-15.817	-142.222	-187.068	-7.460	-15.378	-142.661	176.634
683	1	-23.159	-139.275	-217.538	11.120	-22.103	-140.330	5.421
683	2	-24.136	-144.191	-188.569	6.486	-23.787	-144.540	3.083
684	1	9.338	-189.081	-222.834	47.926	20.308	-200.051	12.892
684	2	-0.152	-186.458	-194.110	37.656	7.171	-193.781	11.005
685	1	-13.385	-194.609	-227.750	48.159	-1.382	-206.612	13.995
685	2	-14.879	-190.011	-197.148	35.372	-8.004	-196.885	10.998
686	1	-16.960	-217.726	-230.579	30.357	-12.470	-222.215	8.413
686	2	-16.641	-204.681	-197.979	23.896	-13.651	-207.670	7.130
687	1	-19.796	-218.280	-230.560	23.250	-17.109	-220.967	6.592
687	2	-16.742	-204.573	-197.384	21.172	-14.385	-206.930	6.352
688	1	-11.523	-247.281	-236.479	44.710	-3.328	-255.475	10.385
688	2	-13.520	-219.515	-201.561	32.034	-8.653	-224.381	8.638
689	1	-141.217	-53.512	-217.755	-64.710	-19.195	-175.534	117.938
689	2	-105.159	-58.241	-181.417	-75.427	-2.709	-160.692	126.362
690	1	-16.606	-168.017	-218.007	21.134	-13.712	-170.912	7.799
690	2	-21.799	-169.927	-189.273	8.263	-21.339	-170.387	3.183
691	1	-30.199	-171.282	-220.733	37.208	-20.988	-180.494	13.905
691	2	-30.122	-171.897	-190.790	22.211	-26.723	-175.295	8.698
692	1	-112.545	-211.307	-242.600	6.648	-112.099	-211.753	3.834
692	2	-90.407	-207.675	-207.500	-5.126	-90.184	-207.899	177.501
693	1	-90.935	-205.815	-236.718	37.155	-79.965	-216.784	16.448
693	2	-79.314	-204.824	-204.307	27.865	-73.405	-210.732	11.971
694	1	-12.485	-203.435	-222.498	34.880	-6.313	-209.607	10.034
694	2	-14.356	-199.118	-192.118	23.121	-11.506	-201.967	7.025
695	1	-15.325	-203.997	-222.488	27.773	-11.322	-208.000	8.202
695	2	-14.460	-199.018	-191.531	20.396	-12.233	-201.245	6.232
696	1	-60.419	-144.604	-217.191	72.015	-19.097	-185.926	29.847
696	2	-58.236	-135.778	-185.286	67.548	-19.123	-174.892	30.072
697	1	-14.984	-54.834	-201.759	-30.623	1.625	-71.444	151.525
697	2	-40.349	-74.788	-180.223	-4.484	-39.775	-75.363	172.701
698	1	-25.559	7.116	-188.207	43.373	37.126	-55.569	55.320

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
698	2	-36.727	-2.682	-161.782	35.366	19.544	-58.954	57.851
699	1	-36.078	-13.423	-189.589	34.256	11.329	-60.831	54.148
699	2	-42.959	-11.762	-160.427	29.467	5.980	-60.702	58.947
700	1	-82.622	-38.718	-202.385	12.726	-35.296	-86.044	74.948
700	2	-57.329	-46.145	-168.773	14.324	-36.360	-67.114	55.662
701	1	8.422	-3.001	-182.403	16.044	19.741	-14.320	35.202
701	2	-26.715	-8.438	-159.622	21.408	5.700	-40.853	56.558
702	1	-47.875	1.983	-191.554	1.069	2.006	-47.898	88.771
702	2	-50.581	-5.693	-162.983	15.190	-1.035	-55.239	72.954
703	1	-58.291	-18.521	-192.869	-8.000	-16.972	-59.840	100.959
703	2	-56.733	-14.745	-161.569	9.313	-12.772	-58.706	78.038
704	1	-77.678	-2.382	-189.955	57.019	28.296	-108.357	61.717
704	2	-64.298	-6.826	-158.306	36.749	11.088	-82.213	64.011
705	1	-33.944	-13.001	-190.034	-25.240	3.853	-50.799	123.734
705	2	-48.964	-13.408	-162.221	5.786	-12.490	-49.882	80.985
706	1	-27.147	2.658	-181.643	43.849	34.067	-58.556	54.385
706	2	-45.837	-7.109	-156.897	33.721	12.412	-65.358	59.933
707	1	-38.071	-10.209	-181.649	34.355	12.931	-61.212	56.036
707	2	-50.854	-10.922	-154.745	28.932	4.264	-66.041	62.304
708	1	-92.005	-5.397	-190.704	17.250	-2.088	-95.314	79.139
708	2	-73.061	-8.537	-158.099	21.946	-1.780	-79.818	72.886
709	1	-11.871	-6.250	-177.480	21.360	12.484	-30.605	48.747
709	2	-45.014	-10.481	-154.818	25.743	3.249	-58.745	61.925
710	1	-57.745	-4.279	-185.737	6.004	-3.613	-58.411	83.670
710	2	-60.504	-10.165	-157.508	20.439	-2.911	-67.758	70.460
711	1	-68.459	-17.087	-185.650	-3.443	-16.857	-68.689	93.818
711	2	-65.401	-13.941	-155.294	15.665	-9.547	-69.795	74.333
712	1	-64.419	-5.512	-178.321	50.669	23.642	-93.574	60.084
712	2	-63.515	-9.612	-150.650	34.939	7.562	-80.690	63.822
713	1	-43.177	-13.354	-181.699	-11.301	-9.555	-46.976	108.578
713	2	-57.947	-13.092	-154.945	15.032	-8.520	-62.519	73.083
714	1	-39.417	-0.779	-174.325	36.615	21.301	-61.497	58.908
714	2	-56.020	-7.799	-150.224	31.042	7.395	-71.216	63.918
715	1	-44.612	-10.105	-172.166	31.326	8.404	-63.122	59.422
715	2	-57.675	-11.281	-147.374	28.864	2.552	-71.508	64.394
716	1	-80.964	-8.870	-178.569	17.030	-5.049	-84.784	77.355
716	2	-70.274	-10.696	-149.312	23.899	-2.293	-78.676	70.630

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
717	1	-24.456	-6.335	-169.571	21.451	7.890	-38.682	56.448
717	2	-48.315	-10.237	-146.860	25.813	2.798	-61.351	63.206
718	1	-56.061	-4.179	-174.676	8.936	-2.683	-57.557	80.495
718	2	-62.066	-8.715	-148.749	20.451	-1.777	-69.004	71.261
719	1	-61.142	-13.468	-172.441	3.684	-13.184	-61.425	85.607
719	2	-63.669	-12.176	-145.850	18.289	-6.341	-69.503	72.306
720	1	-60.006	-7.891	-166.502	38.450	12.499	-80.397	62.062
720	2	-63.154	-10.998	-142.025	32.810	4.835	-78.987	64.239
721	1	-47.697	-11.274	-171.029	0.998	-11.247	-47.724	88.431
721	2	-57.983	-11.976	-145.896	17.088	-6.324	-63.636	71.696
722	1	-41.127	-6.278	-163.505	27.530	8.878	-56.284	61.165
722	2	-55.252	-11.202	-141.268	27.816	2.253	-68.707	64.186
723	1	-43.079	-9.333	-158.913	24.852	3.832	-56.245	62.086
723	2	-55.329	-11.889	-137.273	26.880	0.949	-68.168	64.470
724	1	-63.460	-7.781	-162.505	17.960	-2.491	-68.751	73.586
724	2	-64.094	-10.506	-138.630	24.086	-1.271	-73.329	69.023
725	1	-40.987	-8.759	-159.082	19.460	0.392	-50.139	64.813
725	2	-57.677	-12.281	-138.289	24.370	-1.675	-68.282	66.482
726	1	-48.722	-7.106	-160.046	17.021	-1.030	-54.797	70.358
726	2	-56.835	-10.797	-137.658	25.007	0.172	-67.804	66.315
727	1	-50.619	-10.136	-155.388	14.355	-5.562	-55.193	72.327
727	2	-56.889	-11.470	-133.620	24.075	-1.083	-67.276	66.663
728	1	-48.970	-10.830	-149.712	19.338	-2.741	-57.060	67.300
728	2	-56.915	-13.276	-129.943	20.923	-4.866	-65.326	68.100
729	1	-47.997	-9.252	-154.536	19.495	-1.141	-56.109	67.409
729	2	-57.231	-11.232	-133.487	28.461	2.361	-70.824	64.471
730	1	-48.817	-10.924	-148.666	14.716	-5.880	-53.861	71.081
730	2	-60.341	-13.639	-129.914	19.012	-6.878	-67.103	70.423
731	1	-45.880	-8.758	-141.870	15.792	-2.949	-51.689	69.803
731	2	-57.371	-11.270	-124.648	20.455	-3.503	-65.138	69.207
732	1	-39.918	-7.282	-141.016	18.782	1.280	-48.481	65.492
732	2	-48.593	-10.257	-123.159	24.568	1.735	-60.586	63.981
733	1	-54.804	-10.020	-142.123	15.739	-5.041	-59.782	72.448
733	2	-65.780	-12.266	-125.196	21.270	-4.842	-73.205	70.758
734	1	-39.861	-7.233	-139.163	23.018	4.666	-51.761	62.663
734	2	-50.527	-10.125	-122.157	28.551	4.648	-65.301	62.640
735	1	-36.931	-5.053	-132.293	24.093	7.895	-49.881	61.743

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
735	2	-47.577	-7.750	-116.841	29.990	8.335	-63.663	61.792
736	1	-43.815	-11.115	-128.505	4.359	-10.544	-44.386	82.535
736	2	-54.526	-13.100	-114.685	10.676	-10.510	-57.116	76.366
737	1	-44.383	-5.958	-132.233	31.634	11.840	-62.182	60.636
737	2	-55.033	-8.519	-117.203	35.961	11.049	-74.602	61.446
738	1	-53.228	-12.958	-129.081	5.264	-12.281	-53.905	82.673
738	2	-63.203	-14.533	-115.484	12.118	-11.682	-66.053	76.763
739	1	-47.506	-7.679	-121.206	8.651	-5.881	-49.305	78.258
739	2	-58.380	-10.041	-109.565	15.135	-5.693	-62.728	73.972
740	1	-23.670	-4.657	-116.355	20.078	8.050	-36.379	57.668
740	2	37.094	-7.721	-105.216	25.258	6.810	-51.626	60.088
741	1	-62.335	-9.910	-123.066	12.601	-7.039	-65.207	77.162
741	2	-70.800	-11.689	-111.248	18.621	-6.312	-76.177	73.894
742	1	-33.412	-6.607	-117.138	26.636	9.808	-49.828	58.355
742	2	-46.127	-9.263	-106.207	30.520	7.958	-63.349	60.564
743	1	-27.745	-1.326	-109.198	30.014	18.256	-47.328	56.877
743	2	-41.356	-4.772	-100.244	33.527	15.128	-61.257	59.308
744	1	-39.218	-11.053	-107.338	-5.198	-10.125	-40.147	100.130
744	2	-51.127	-12.606	-99.430	3.792	-12.236	-51.497	84.431
745	1	-42.286	-3.503	-111.081	38.341	20.070	-65.860	58.414
745	2	-53.670	-6.409	-101.983	39.910	16.341	-76.421	60.314
746	1	-54.081	-13.647	-109.493	-0.421	-13.643	-54.085	90.597
746	2	-63.492	-14.494	-101.336	7.892	-13.254	-64.732	81.072
747	1	-47.168	-6.512	-101.307	4.108	-6.102	-47.579	84.287
747	2	-57.974	-8.749	-95.304	11.624	-6.142	-60.581	77.359
748	1	-13.682	-3.355	-94.379	20.447	12.570	-29.608	52.086
748	2	-30.395	-6.497	-89.615	25.018	9.278	-46.171	57.764
749	1	-64.945	-10.848	-104.524	10.425	-8.909	-66.884	79.460
749	2	-71.975	-12.261	-97.958	16.846	-7.836	-76.400	75.283
750	1	-29.614	-6.246	-96.942	28.163	12.561	-48.421	56.266
750	2	-43.668	-8.635	-91.859	31.042	9.491	-61.795	59.717
751	1	-22.781	0.884	-88.707	32.676	23.804	-45.701	54.953
751	2	-38.218	-2.896	-85.797	34.760	18.432	-59.547	58.467
752	1	-34.949	-10.823	-87.874	-10.366	-6.980	-38.791	110.337
752	2	-48.188	-12.180	-85.739	-0.218	-12.179	-48.189	90.347
753	1	-39.200	-3.024	-91.145	42.596	25.165	-67.389	56.504
753	2	-52.450	-6.405	-88.208	43.295	19.607	-78.464	59.001

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
754	1	-59.120	-15.263	-91.834	-5.152	-14.666	-59.717	96.611
754	2	-68.799	-15.998	-89.408	4.243	-15.659	-69.138	85.434
755	1	-51.268	-6.602	-84.120	0.250	-6.600	-51.269	89.678
755	2	-62.663	-8.733	-83.698	8.531	-7.415	-63.981	81.221
756	1	-9.587	-3.309	-75.669	21.160	14.943	-27.840	49.219
756	2	-28.402	-6.427	-76.755	25.648	10.488	-45.317	56.595
757	1	-74.697	-9.516	-87.435	8.021	-8.544	-75.669	83.086
757	2	-83.399	-11.090	-86.949	15.131	-8.051	-86.438	78.645
758	1	-28.057	-6.294	-78.047	33.155	17.719	-52.071	54.085
758	2	-44.369	-9.063	-79.155	36.072	13.443	-66.876	58.038
759	1	-20.681	2.261	-70.392	38.460	30.925	-49.345	53.304
759	2	-38.603	-1.880	-73.497	40.274	24.020	-64.504	57.254
760	1	-37.674	-11.491	-71.810	-15.140	-4.567	-44.598	114.575
760	2	-52.674	-12.737	-75.274	-4.023	-12.335	-53.075	95.696
761	1	-42.692	-0.380	-73.757	46.791	29.815	-72.888	57.164
761	2	-56.746	-3.646	-76.387	46.916	23.711	-84.104	59.752
762	1	-58.548	-14.354	-75.189	-6.557	-13.402	-59.500	98.264
762	2	-69.873	-14.859	-78.213	3.003	-14.695	-70.036	86.884
763	1	-51.098	-5.720	-68.165	-0.927	-5.701	-51.117	91.170
763	2	-63.880	-7.868	-73.114	7.667	-6.838	-64.911	82.344
764	1	-5.893	-2.548	-58.877	23.751	19.589	-28.031	47.013
764	2	-26.669	-5.574	-65.463	27.934	13.737	-45.981	55.343
765	1	-71.919	-8.220	-71.517	7.194	-7.417	-72.721	83.635
765	2	-80.788	-9.691	-75.978	14.165	-6.972	-83.506	79.137
766	1	-28.209	-5.800	-62.753	31.430	16.362	-50.372	54.810
766	2	-45.054	-8.015	-68.811	33.934	12.124	-65.194	59.311
767	1	-20.845	2.824	-55.690	37.040	29.874	-47.895	53.860
767	2	-39.135	-1.034	-63.690	38.581	22.943	-63.114	58.139
768	1	-34.924	-10.455	-57.168	-14.043	-4.065	-41.315	114.469
768	2	-50.688	-11.550	-65.529	-3.090	-11.308	-50.930	94.488
769	1	-42.455	0.103	-59.358	43.643	27.379	-69.731	57.996
769	2	-56.632	-3.025	-66.801	43.596	21.348	-81.006	60.791
770	1	-55.140	-13.688	-60.846	-5.387	-12.999	-55.829	97.286
770	2	-67.038	-14.211	-68.702	3.946	-13.918	-67.331	85.751
771	1	-48.905	-5.250	-54.711	-0.672	-5.240	-48.915	90.882
771	2	-62.260	-7.115	-64.346	7.598	-6.087	-63.288	82.296
772	1	-7.578	-2.799	-46.232	22.607	17.543	-27.921	48.016

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
772	2	-28.568	-5.510	-57.446	26.525	11.882	-45.961	56.746
773	1	-73.235	-9.902	-58.979	7.061	-9.124	-74.013	83.715
773	2	-83.395	-11.309	-68.447	14.448	-8.520	-86.183	79.078
774	1	-29.733	-6.498	-50.307	30.787	14.790	-51.022	55.336
774	2	-47.452	-8.796	-61.209	33.993	10.979	-67.228	59.811
775	1	-23.248	2.011	-44.058	35.560	27.117	-48.355	54.777
775	2	-42.490	-1.647	-56.776	37.697	20.804	-64.942	59.223
776	1	-38.988	-10.988	-46.524	-15.702	-3.951	-46.026	114.140
776	2	-55.805	-12.148	-59.573	-5.472	-11.472	-56.481	97.037
777	1	-44.007	-2.250	-44.666	49.020	30.152	-76.410	56.535
777	2	-62.596	-6.168	-57.452	51.250	24.121	-92.886	59.416
778	1	-69.248	-15.115	-49.360	-9.320	-13.555	-70.808	99.500
778	2	-84.581	-16.237	-62.126	0.221	-16.236	-84.581	89.814
779	1	-62.515	-6.287	-44.496	-3.879	-6.020	-62.781	93.928
779	2	-78.979	-8.268	-58.494	4.811	-7.942	-79.305	86.125
780	1	-12.030	-3.557	-34.370	27.329	19.861	-35.450	49.406
780	2	-34.596	-6.611	-49.607	32.173	14.480	-55.688	56.752
781	1	-86.562	-8.463	-47.904	4.128	-8.245	-86.780	86.982
781	2	-102.536	-10.236	-62.392	11.996	-8.702	-104.070	82.714
782	1	-33.970	-5.672	-37.424	39.372	22.016	-61.659	54.883
782	2	-55.051	-8.498	-52.959	43.762	17.791	-81.342	59.004
783	1	-27.708	3.043	-32.647	44.704	34.942	-59.607	54.490
783	2	-49.839	-0.623	-49.410	48.249	28.931	-79.394	58.511
784	1	-48.255	-11.541	-37.689	-15.559	-5.834	-53.962	110.143
784	2	-68.266	-13.100	-54.612	-5.706	-12.516	-68.850	95.844
785	1	-50.302	1.171	-35.991	49.771	31.466	-80.597	58.672
785	2	-69.981	-1.778	-52.660	52.798	26.973	-98.733	61.428
786	1	-68.570	-13.239	-40.785	-6.880	-12.396	-69.412	96.983
786	2	-86.520	-14.427	-57.748	1.801	-14.382	-86.565	88.569
787	1	-63.006	-5.593	-37.139	-1.880	-5.532	-63.067	91.874
787	2	-81.629	-7.604	-55.196	6.368	-7.060	-82.173	85.118
788	1	-15.804	-3.021	-27.540	30.251	21.506	-40.332	50.964
788	2	-39.057	-5.630	-46.471	35.310	16.721	-61.410	57.665
789	1	-81.106	-6.984	-39.784	5.222	-6.618	-81.472	85.989
789	2	-97.981	-8.641	-57.946	12.467	-6.934	-99.688	82.203
790	1	-37.909	-5.196	-31.232	35.146	17.212	-60.319	57.478
790	2	-58.840	-7.368	-50.131	39.545	14.077	-80.286	61.527

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
791	1	-32.431	2.430	-27.590	40.127	28.749	-58.750	56.740
791	2	-54.029	-0.564	-47.596	44.095	24.269	-78.863	60.613
792	1	-47.806	-9.961	-32.038	-10.628	-7.180	-50.586	104.661
792	2	-68.054	-11.458	-52.437	-1.863	-11.396	-68.115	91.883
793	1	-52.179	0.600	-30.786	43.466	25.060	-76.639	60.631
793	2	-71.789	-1.980	-50.831	46.971	21.635	-95.405	63.308
794	1	-65.236	-11.124	-34.846	-3.332	-10.919	-65.441	93.511
794	2	-83.761	-12.299	-55.349	4.423	-12.026	-84.034	86.471
795	1	-61.004	-4.704	-32.400	0.640	-4.696	-61.011	89.348
795	2	-80.045	-6.531	-53.906	8.101	-5.649	-80.927	83.785
796	1	-22.736	-3.487	-24.739	27.705	16.217	-42.441	54.578
796	2	-45.184	-5.766	-46.848	32.720	12.722	-63.673	60.531
797	1	-76.116	-5.737	-34.717	6.439	-5.153	-76.700	84.814
797	2	-93.671	-7.265	-56.380	13.100	-5.322	-95.614	81.565
798	1	-41.676	-5.048	-28.024	31.255	12.863	-59.588	60.184
798	2	-62.224	-6.959	-50.190	35.727	10.574	-79.758	63.859
799	1	-37.518	1.354	-25.591	35.210	22.137	-58.300	59.449
799	2	-58.580	-1.211	-48.773	39.388	18.830	-78.622	63.032
800	1	-48.027	-8.413	-29.310	-5.796	-7.582	-48.858	98.156
800	2	-68.276	-9.791	-53.033	1.992	-9.724	-68.343	88.051
801	1	-53.807	0.010	-28.290	37.220	19.029	-72.827	62.933
801	2	-73.191	-2.209	-51.585	40.969	16.503	-91.904	65.450
802	1	-62.569	-9.170	-31.710	0.227	-9.169	-62.570	89.756
802	2	-81.296	-10.270	-55.594	7.250	-9.537	-82.028	84.230
803	1	-59.535	-4.043	-30.378	3.238	-3.855	-59.724	86.671
803	2	-78.684	-5.690	-55.213	10.055	-4.330	-80.044	82.298
804	1	-29.849	-3.828	-24.564	25.063	11.400	-45.078	58.716
804	2	-51.597	-5.812	-49.812	29.934	8.980	-66.389	63.703
805	1	-71.476	-4.720	-32.181	7.808	-3.819	-72.377	83.416
805	2	-89.189	-6.113	-57.221	13.996	-3.818	-91.484	80.689
806	1	-45.342	-4.832	-27.249	27.373	8.964	-59.140	63.249
806	2	-65.460	-6.513	-52.643	31.729	7.319	-79.293	66.444
807	1	-42.360	0.279	-25.935	30.371	16.067	-58.148	62.534
807	2	-62.900	-1.950	-52.296	34.520	13.622	-78.473	65.719
808	1	-49.194	-6.981	-29.061	-1.144	-6.950	-49.225	91.552
808	2	-69.208	-8.185	-56.057	5.985	-7.603	-69.790	84.450
809	1	-55.194	-0.629	-28.007	31.350	13.647	-69.471	65.515

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
809	2	-74.115	-2.562	-54.541	34.972	11.691	-88.368	67.825
810	1	-60.618	-7.364	-30.876	3.550	-7.129	-60.853	86.202
810	2	-79.094	-8.282	-58.070	10.148	-6.856	-80.520	82.002
811	1	-58.618	-3.497	-30.536	5.706	-2.912	-59.202	84.151
811	2	-77.498	-4.975	-58.675	12.113	-3.006	-79.468	80.764
812	1	-36.696	-3.946	-26.384	22.471	7.483	-48.126	63.041
812	2	-57.948	-5.694	-54.861	27.030	5.772	-69.415	67.013
813	1	-67.395	-3.934	-31.729	9.156	-2.639	-68.690	81.951
813	2	-84.480	-5.191	-60.059	15.098	-2.414	-87.257	79.575
814	1	-48.852	-4.513	-28.385	23.643	5.728	-59.094	66.578
814	2	-68.508	-5.964	-57.065	27.544	4.436	-78.909	69.313
815	1	-46.894	-0.660	-28.073	25.788	10.855	-58.409	65.937
815	2	-66.955	-2.675	-57.714	29.498	8.809	-78.441	68.727
816	1	-50.942	-5.596	-30.677	3.181	-5.374	-51.064	85.997
816	2	-70.457	-6.503	-60.964	10.181	-4.921	-72.039	81.169
817	1	-56.207	-1.233	-29.413	25.753	8.946	-66.387	68.433
817	2	-74.262	-2.981	-59.222	28.623	7.090	-84.333	70.615
818	1	-59.243	-5.746	-31.845	6.695	-4.921	-60.068	82.973
818	2	-76.868	-6.344	-62.305	13.402	-3.883	-79.329	79.594
819	1	-57.995	-2.812	-32.286	8.209	-1.616	-59.190	81.714
819	2	-76.140	-4.262	-63.755	14.616	-1.403	-78.999	78.933
820	1	-43.459	-3.936	-29.756	19.816	4.288	-51.683	67.460
820	2	-64.655	-5.478	-61.640	23.755	2.877	-73.011	70.620
821	1	-65.098	-3.919	-33.143	10.746	-2.086	-66.931	80.322
821	2	-79.971	-5.125	-64.443	16.852	-1.506	-83.591	77.878
822	1	-51.903	-4.079	-30.848	20.716	3.647	-59.629	69.547
822	2	-71.106	-5.302	-62.856	23.539	2.251	-78.659	72.209
823	1	-50.686	-1.157	-31.323	22.223	7.351	-59.195	69.048
823	2	-70.408	-3.236	-64.354	24.747	4.896	-78.541	71.807
824	1	-51.972	-5.899	-33.702	5.601	-5.228	-52.644	83.167
824	2	-71.608	-6.716	-67.338	13.488	-4.024	-74.300	78.713
825	1	-57.022	-2.084	-32.049	23.833	6.813	-65.920	69.526
825	2	-73.817	-4.010	-65.022	25.577	4.358	-82.186	71.883
826	1	-59.749	-6.009	-34.819	6.947	-5.125	-60.633	82.752
826	2	-75.969	-6.536	-68.364	13.689	-3.935	-78.571	79.240
827	1	-58.326	-2.844	-35.628	8.652	-1.526	-59.644	81.338
827	2	-75.147	-4.340	-70.184	15.027	-1.283	-78.204	78.500

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
828	1	-43.882	-4.150	-33.045	18.336	3.018	-51.051	68.647
828	2	-64.820	-5.520	-68.144	21.894	1.687	-72.028	71.778
829	1	-67.627	-2.658	-36.653	9.048	-1.421	-68.864	82.217
829	2	-81.618	-3.843	-71.225	14.734	-1.145	-84.316	79.624
830	1	-52.207	-4.392	-34.279	20.773	3.372	-59.972	69.505
830	2	-70.092	-5.572	-69.424	23.477	2.065	-77.730	71.977
831	1	-51.029	-1.296	-35.185	22.394	7.300	-59.627	68.997
831	2	-69.468	-3.436	-71.344	24.749	4.809	-77.714	71.572
832	1	-51.273	-4.513	-37.452	3.638	-4.231	-51.554	85.576
832	2	-69.630	-4.654	-74.052	11.035	-2.831	-71.453	80.619
833	1	-60.227	-1.039	-35.960	23.142	6.934	-68.201	70.987
833	2	-75.126	-2.688	-71.941	23.826	4.446	-82.261	73.330
834	1	-60.356	-4.662	-38.350	6.934	-3.811	-61.207	83.008
834	2	-75.434	-4.393	-74.845	14.538	-1.533	-78.294	78.870
835	1	-59.679	-2.181	-39.867	8.087	-1.065	-60.795	82.143
835	2	-75.547	-3.590	-77.447	15.123	-0.541	-78.597	78.600
836	1	-47.512	-3.885	-38.072	17.906	2.522	-53.921	70.309
836	2	-69.057	-5.035	-76.528	20.359	0.890	-74.983	73.771
837	1	-64.432	-2.513	-39.723	10.369	-0.823	-66.122	80.741
837	2	-74.315	-3.847	-76.826	17.172	0.114	-78.277	77.008
838	1	-55.537	-3.751	-38.617	17.731	1.737	-61.026	72.798
838	2	-73.131	-4.332	-76.841	18.183	0.177	-77.641	76.070
839	1	-54.886	-1.286	-40.189	18.879	4.695	-60.868	72.418
839	2	-73.269	-3.547	-79.511	18.765	1.181	-77.999	75.853
840	1	-54.834	-3.193	-42.508	8.020	-1.976	-56.051	81.372
840	2	-73.509	-2.464	-82.071	18.068	1.867	-77.840	76.520
841	1	-58.985	-1.448	-39.842	17.349	3.378	-63.812	74.453
841	2	-70.523	-3.437	-78.568	14.394	-0.479	-73.481	78.387
842	1	-59.069	-2.907	-42.148	10.611	-0.969	-61.007	79.650
842	2	-71.303	-1.574	-81.118	20.836	4.177	-77.055	74.568
843	1	-59.291	-2.169	-44.541	10.936	-0.147	-61.313	79.524
843	2	-72.809	-3.879	-84.741	20.083	1.544	-78.233	74.884
844	1	-54.461	-3.458	-44.210	15.049	0.650	-58.571	74.726
844	2	-78.566	-4.279	-86.090	15.371	-1.224	-81.622	78.759
845	1	-59.027	-1.936	-43.132	12.902	0.843	-61.807	77.838
845	2	-62.658	-4.105	-82.459	21.530	2.959	-69.722	71.834
846	1	-58.285	-3.054	-43.667	13.672	0.145	-61.485	76.830

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
846	2	-75.305	-3.124	-84.865	10.893	-1.515	-76.914	81.602
847	1	-58.527	-2.333	-46.124	13.995	0.958	-61.819	76.761
847	2	-76.820	-5.445	-88.557	10.144	-4.031	-78.234	82.066
848	1	-58.271	-0.185	-47.815	12.521	2.398	-60.855	78.339
848	2	-77.388	2.649	-89.779	26.766	10.775	-85.514	73.111
849	1	-60.533	-3.572	-42.945	11.722	-1.254	-62.852	78.814
849	2	-65.824	-6.271	-80.882	2.764	-6.143	-65.952	87.348
850	1	-61.425	-1.191	-44.398	17.873	3.713	-66.330	74.656
850	2	-70.014	2.827	-82.039	35.898	17.544	-84.732	67.707
851	1	-62.928	-2.294	-46.987	16.062	1.698	-66.920	76.042
851	2	-74.033	-4.394	-86.197	31.403	7.675	-86.102	68.976
852	1	-68.491	-4.055	-49.140	11.371	-2.107	-70.439	80.280
852	2	-101.022	-5.243	-92.222	7.494	-4.660	-101.605	85.552
853	1	-62.679	-3.373	-46.011	17.587	1.450	-67.502	74.663
853	2	-54.964	-6.143	-82.633	31.298	9.138	-70.246	63.976
854	1	-70.311	-3.669	-47.901	11.744	-1.659	-72.321	80.292
854	2	-91.457	-2.887	-89.169	2.976	-2.787	-91.557	88.077
855	1	-72.102	-4.853	-50.608	9.928	-3.418	-73.537	81.775
855	2	-96.116	-10.277	-93.530	-1.651	-10.245	-96.148	91.101
856	1	-72.026	-1.570	-51.679	20.769	4.096	-77.692	74.739
856	2	-94.967	2.252	-92.403	45.317	20.099	-112.814	68.504
857	1	-65.941	-4.456	-48.165	8.415	-3.325	-67.072	82.345
857	2	-67.455	-9.668	-87.766	-9.732	-8.073	-69.050	99.308
858	1	-67.299	-0.668	-49.193	19.997	4.872	-72.840	74.513
858	2	-73.338	4.045	-87.506	43.021	23.214	-92.507	65.983
859	1	-68.822	-3.969	-52.119	19.180	1.278	-74.070	74.697
859	2	-77.930	-8.523	-91.865	39.440	9.307	-95.762	65.672
860	1	-77.553	-3.189	-54.245	11.546	-1.438	-79.305	81.374
860	2	-117.991	-3.693	-99.106	3.837	-3.564	-118.119	88.079
861	1	-61.202	-2.221	-48.674	15.745	1.718	-65.143	75.950
861	2	-48.170	-3.882	-85.095	28.566	10.117	-62.171	63.891
862	1	-72.057	-2.046	-51.322	6.121	-1.514	-72.588	85.040
862	2	-90.721	-0.482	-92.761	-9.833	0.576	-91.780	96.147
863	1	-73.582	-5.356	-54.295	5.310	-4.945	-73.993	85.576
863	2	-95.277	-13.046	-97.132	-13.386	-10.921	-97.401	99.017
864	1	-75.220	-0.580	-55.044	18.907	3.935	-79.736	76.566
864	2	-101.447	3.142	-95.616	40.771	17.158	-115.462	71.029

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
865	1	-67.282	-3.934	-51.160	4.895	-3.558	-67.658	85.607
865	2	-69.164	-9.356	-91.472	-14.275	-6.124	-72.397	102.759
866	1	-68.944	-0.331	-52.106	16.182	3.293	-72.569	77.373
866	2	-75.255	3.764	-90.388	31.767	14.951	-86.442	70.599
867	1	-70.024	-2.314	-54.514	15.595	1.104	-73.444	77.633
867	2	-78.158	-4.518	-92.388	29.173	5.637	-88.315	70.804
868	1	-78.265	-1.491	-56.553	8.161	-0.633	-79.123	83.998
868	2	-111.848	0.563	-98.108	-1.856	0.594	-111.878	90.946
869	1	-66.163	-1.780	-51.998	13.450	0.917	-68.860	78.661
869	2	-60.030	-3.100	-89.184	22.467	4.698	-67.829	70.858
870	1	-72.409	-1.345	-53.709	7.767	-0.506	-73.248	83.834
870	2	-87.297	0.725	-93.538	-3.119	0.835	-87.407	92.027
871	1	-73.495	-3.338	-56.163	7.183	-2.610	-74.223	84.213
871	2	-90.166	-7.547	-95.523	-5.696	-7.157	-90.557	93.925
872	1	-74.907	-0.998	-57.211	15.195	2.003	-77.909	78.823
872	2	-95.588	1.308	-94.462	29.853	9.767	-104.048	74.179
873	1	-70.168	-2.926	-53.724	7.364	-2.129	-70.965	83.822
873	2	-73.653	-6.565	-92.887	-5.045	-6.188	-74.031	94.277
874	1	-71.264	-0.840	-54.726	13.084	1.511	-73.616	79.807
874	2	-78.232	1.655	-91.678	23.266	7.937	-84.514	74.890
875	1	-71.943	-1.762	-56.797	12.845	0.515	-74.220	79.947
875	2	-79.707	-3.355	-91.867	21.801	2.430	-85.493	75.135
876	1	-76.050	-1.410	-58.130	9.070	-0.324	-77.136	83.170
876	2	-100.070	0.309	-94.978	2.198	0.357	-100.118	88.745
877	1	-70.686	-1.309	-54.668	11.261	0.472	-72.468	81.007
877	2	-69.571	-2.245	-90.839	17.091	1.845	-73.662	76.541
878	1	-73.048	-1.406	-55.770	9.161	-0.253	-74.200	82.827
878	2	-84.726	0.108	-92.919	2.297	0.170	-84.788	88.450
879	1	-73.734	-2.339	-57.890	8.922	-1.241	-74.832	82.983
879	2	-86.177	-4.892	-93.074	0.841	-4.883	-86.186	89.407
880	1	-74.468	-1.383	-59.037	11.810	0.477	-76.329	81.045
880	2	-89.724	-0.181	-91.872	20.716	4.379	-94.284	77.584
881	1	-73.132	-2.033	-55.842	9.493	-0.787	-74.378	82.524
881	2	-77.779	-4.240	-92.608	2.307	-4.168	-77.851	88.205
882	1	-73.387	-1.303	-56.929	10.193	0.109	-74.801	82.104
882	2	-80.212	-0.049	-91.224	16.083	3.057	-83.319	79.067
883	1	-73.746	-1.213	-58.826	10.242	0.204	-75.165	82.114

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
883	2	-80.594	-2.275	-90.055	15.464	0.667	-83.537	79.225
884	1	-74.155	-1.429	-59.572	10.012	-0.075	-75.509	82.302
884	2	-90.144	-0.116	-91.120	5.832	0.259	-90.520	86.309
885	1	-75.001	-0.815	-56.954	9.081	0.280	-76.097	83.121
885	2	-77.335	-1.380	-90.852	12.292	0.559	-79.275	81.032
886	1	-73.824	-1.520	-57.580	10.493	-0.028	-75.316	81.907
886	2	-82.652	-0.522	-91.154	6.818	0.039	-83.214	85.286
887	1	-74.195	-1.444	-59.534	10.541	0.051	-75.692	81.919
887	2	-83.007	-2.732	-89.930	6.206	-2.255	-83.484	85.604
888	1	-74.017	-1.776	-60.822	8.649	-0.755	-75.039	83.266
888	2	-84.326	-1.416	-88.626	13.130	0.613	-86.355	81.212
889	1	-76.193	-1.207	-57.723	11.504	0.518	-77.919	81.470
889	2	-81.502	-2.289	-91.232	8.270	-1.435	-82.356	84.102
890	1	-75.385	-1.495	-58.888	7.556	-0.731	-76.150	84.220
890	2	-81.496	-1.128	-89.659	10.161	0.136	-82.761	82.904
891	1	-75.608	-0.458	-60.831	7.510	0.284	-76.351	84.348
891	2	-81.173	-1.033	-87.597	9.802	0.148	-82.355	83.127
892	1	-72.416	-1.514	-61.112	11.000	0.153	-74.084	81.380
892	2	-81.793	-0.600	-87.078	8.995	0.384	-82.778	83.753
893	1	-79.861	-0.422	-59.189	7.403	0.261	-80.545	84.721
893	2	-84.358	-0.682	-89.980	8.607	0.193	-85.234	84.187
894	1	-76.163	-1.797	-59.619	11.589	-0.033	-77.927	81.344
894	2	-82.576	-1.235	-89.116	10.348	0.060	-83.872	82.862
895	1	-76.399	-0.777	-61.633	11.538	0.944	-78.120	81.515
895	2	-82.228	-1.121	-86.984	9.989	0.090	-83.440	83.080
896	1	-75.354	-1.920	-63.002	6.389	-1.369	-75.906	85.064
896	2	-81.458	-2.151	-85.665	7.664	-1.417	-82.192	84.530
897	1	-80.079	-0.554	-59.633	12.627	1.402	-82.036	81.190
897	2	-85.584	-0.811	-89.402	12.177	0.902	-87.299	81.985
898	1	-78.496	-2.141	-61.089	5.590	-1.734	-78.903	85.834
898	2	-83.602	-2.433	-87.879	5.799	-2.021	-84.015	85.933
899	1	-78.421	-0.476	-63.272	6.318	0.032	-78.930	85.395
899	2	-82.558	-0.709	-85.307	6.498	-0.197	-83.070	85.488
900	1	-73.603	-1.635	-63.326	11.662	0.207	-75.446	81.021
900	2	-77.868	-1.082	-83.908	11.277	0.539	-79.490	81.815
901	1	-82.606	0.100	-60.923	5.027	0.404	-82.911	86.534
901	2	-88.080	0.123	-88.109	4.596	0.362	-88.319	87.025

5620

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
902	1	-76.054	-1.648	-61.076	12.506	0.397	-78.100	80.709
902	2	-80.183	-1.418	-86.230	13.030	0.681	-82.283	80.846
903	1	-76.009	-0.011	-63.356	13.228	2.225	-78.246	80.402
903	2	-79.126	0.320	-83.587	13.726	2.625	-81.431	80.468
904	1	-73.569	-2.171	-65.075	3.515	-1.999	-73.742	87.188
904	2	-75.715	-2.821	-82.195	2.444	-2.739	-75.797	88.081
905	1	-81.786	0.219	-61.143	13.942	2.525	-84.092	80.610
905	2	-87.009	0.573	-86.924	15.480	3.229	-89.665	80.265
906	1	-78.878	-1.841	-62.792	3.208	-1.708	-79.012	87.619
906	2	-82.597	-2.467	-85.335	1.728	-2.430	-82.634	88.765
907	1	-78.868	0.548	-65.527	3.636	0.715	-79.034	87.383
907	2	-81.309	0.795	-82.689	2.239	0.856	-81.370	88.438
908	1	-71.325	-1.818	-65.559	12.348	0.310	-73.453	80.219
908	2	-71.250	-1.593	-80.522	13.214	0.829	-73.673	79.611
909	1	-84.361	0.235	-62.307	4.604	0.485	-84.611	86.894
909	2	-90.569	0.551	-86.496	3.025	0.651	-90.670	88.100
910	1	-77.835	-1.681	-63.039	12.038	0.176	-79.693	81.227
910	2	-80.249	-1.781	-84.263	13.868	0.596	-82.628	80.266
911	1	-77.885	0.671	-65.904	12.420	2.588	-79.802	81.226
911	2	-78.984	1.487	-81.562	14.340	3.966	-81.463	80.191
912	1	-73.580	-2.131	-67.577	3.228	-1.986	-73.726	87.418
912	2	-71.739	-3.132	-80.116	0.534	-3.128	-71.743	89.554
913	1	-83.153	0.455	-62.413	12.899	2.400	-85.098	81.425
913	2	-88.426	1.226	-85.261	15.782	3.923	-91.123	80.302
914	1	-80.160	-2.423	-64.772	3.252	-2.287	-80.296	87.608
914	2	-82.751	-3.478	-84.021	0.673	-3.472	-82.757	89.513
915	1	-80.086	0.581	-68.123	3.915	0.771	-80.276	87.227
915	2	-81.149	1.007	-81.532	1.540	1.036	-81.178	88.926
916	1	-72.288	-2.024	-68.331	11.268	-0.261	-74.051	81.108
916	2	-68.465	-2.284	-79.144	12.863	0.128	-70.877	79.378
917	1	-88.815	0.940	-64.898	2.528	1.011	-88.887	88.388
917	2	-94.955	1.497	-85.403	0.321	1.498	-94.956	89.809
918	1	-78.410	-2.179	-65.302	13.455	0.126	-80.716	80.278
918	2	-79.274	-2.529	-82.756	15.962	0.657	-82.462	78.707
919	1	-78.418	0.776	-68.814	14.063	3.200	-80.841	80.223
919	2	-77.724	1.952	-80.236	16.774	5.339	-81.112	78.583
920	1	-72.632	-2.521	-71.023	0.489	-2.518	-72.636	89.599

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
920	2	-68.437	-3.630	-78.921	-3.056	-3.486	-68.581	92.694
921	1	-86.897	1.335	-64.842	14.547	3.671	-89.234	80.875
921	2	-91.898	2.396	-83.961	18.054	5.735	-95.237	79.523
922	1	-81.026	-2.491	-67.192	0.911	-2.481	-81.036	89.335
922	2	-82.216	-3.675	-82.723	-2.248	-3.610	-82.280	91.638
923	1	-81.091	1.095	-71.572	1.514	1.123	-81.119	88.945
923	2	-80.650	1.684	-80.929	-1.441	1.709	-80.675	91.003
924	1	-70.763	-2.343	-72.002	12.547	-0.115	-72.992	79.929
924	2	-64.713	-2.752	-78.253	14.711	0.562	-68.029	77.299
925	1	-89.417	0.975	-66.718	1.986	1.019	-89.461	88.741
925	2	-94.944	1.637	-84.134	-0.607	1.641	-94.948	90.360
926	1	-79.435	-2.286	-67.753	12.950	-0.170	-81.551	80.720
926	2	-79.038	-2.872	-81.886	15.854	0.295	-82.206	78.698
927	1	-79.559	1.245	-72.348	13.544	3.455	-81.769	80.733
927	2	-77.475	2.489	-80.074	16.651	5.818	-80.804	78.695
928	1	-73.856	-2.233	-75.366	0.388	-2.231	-73.858	89.689
928	2	-67.679	-3.381	-79.362	-3.533	-3.188	-67.872	93.136
929	1	-86.954	1.478	-66.664	13.487	3.490	-88.966	81.518
929	2	-91.211	2.662	-82.743	17.236	5.726	-94.276	79.918
930	1	-81.346	-1.650	-69.667	1.090	-1.636	-81.361	89.216
930	2	-81.309	-2.809	-81.996	-2.271	-2.743	-81.375	91.656
931	1	-81.918	1.316	-75.643	1.379	1.339	-81.941	89.050
931	2	-80.175	2.043	-81.481	-1.810	2.083	-80.215	91.261
932	1	-72.671	-2.292	-76.848	11.835	-0.355	-74.608	80.705
932	2	-64.981	-2.843	-79.374	14.270	0.277	-68.101	77.664
933	1	-85.818	1.438	-67.699	4.308	1.650	-86.030	87.179
933	2	-90.300	1.655	-82.693	1.600	1.683	-90.328	89.003
934	1	-80.907	-1.731	-70.515	10.902	-0.257	-82.380	82.301
934	2	-79.514	-2.407	-81.790	13.967	0.044	-81.966	80.042
935	1	-81.560	1.156	-76.798	11.158	2.635	-83.039	82.451
935	2	-78.401	2.432	-81.307	14.391	4.918	-80.887	80.200
936	1	-76.790	-1.882	-80.592	0.930	-1.870	-76.802	89.288
936	2	-68.903	-3.058	-81.302	-3.086	-2.914	-69.048	92.678
937	1	-94.067	-1.014	-71.706	16.088	1.688	-96.770	80.462
937	2	-96.035	0.230	-84.072	20.174	4.288	-100.092	78.629
938	1	-90.746	-2.472	-76.476	-0.717	-2.466	-90.752	90.465
938	2	-90.066	-3.817	-84.602	-4.996	-3.529	-90.354	93.304

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
939	1	-91.340	2.876	-82.357	-1.822	2.911	-91.376	91.108
939	2	-88.993	3.484	-84.691	-5.719	3.836	-89.346	93.525
940	1	-78.615	-2.753	-83.120	11.956	-0.913	-80.455	81.252
940	2	-69.543	-3.427	-82.501	14.421	-0.418	-72.552	78.215
941	1	-113.844	1.914	-78.471	-3.470	2.018	-113.948	91.715
941	2	-116.936	2.632	-87.588	-7.113	3.054	-117.357	93.392
942	1	-96.549	-4.316	-79.893	20.469	0.022	-100.888	78.032
942	2	-93.354	-4.710	-85.775	24.268	1.499	-99.564	75.648
943	1	-96.936	1.012	-86.074	19.157	4.626	-100.550	79.318
943	2	-92.076	2.624	-85.902	23.325	8.057	-97.510	76.887
944	1	-87.230	-3.422	-89.674	-5.615	-3.047	-87.604	93.816
944	2	-78.106	-4.547	-86.067	-10.301	-3.131	-79.522	97.823
945	1	-108.821	3.182	-77.148	19.458	6.466	-112.105	80.420
945	2	-110.490	4.449	-84.941	23.861	9.206	-115.247	78.725
946	1	-99.811	-3.053	-81.386	-4.404	-2.853	-100.011	92.601
946	2	-97.305	-4.227	-85.679	-8.406	-3.474	-98.058	95.119
947	1	-100.419	2.207	-90.007	-3.778	2.346	-100.558	92.105
947	2	-96.307	2.891	-88.250	-7.604	3.471	-96.887	94.358
948	1	-85.189	-3.396	-91.582	17.592	0.226	-88.813	78.362
948	2	-75.124	-4.084	-86.731	20.911	1.614	-80.822	74.757
949	1	-110.967	1.525	-78.702	-2.267	1.571	-111.013	91.154
949	2	-112.916	2.190	-85.159	-5.632	2.465	-113.191	92.795
950	1	-98.251	-2.882	-82.085	16.626	-0.066	-101.066	80.388
950	2	-94.435	-3.567	-85.241	20.275	0.751	-98.754	77.975
951	1	-99.022	2.222	-91.325	17.232	5.075	-101.875	80.600
951	2	-93.517	3.481	-88.086	21.054	7.854	-97.890	78.267
952	1	-91.265	-2.600	-97.143	-3.279	-2.479	-91.386	92.115
952	2	-81.546	-3.624	-90.211	-7.474	-2.914	-82.256	95.430
953	1	-106.264	2.677	-77.655	15.837	4.932	-108.519	81.894
953	2	-106.968	3.829	-82.914	19.790	7.258	-110.397	80.170
954	1	-99.581	-2.178	-83.872	-2.333	-2.122	-99.637	91.371
954	2	-96.243	-3.207	-85.416	-5.871	-2.838	-96.612	93.597
955	1	-101.264	1.742	-96.372	-1.909	1.778	-101.299	91.061
955	2	-96.289	2.352	-91.447	-5.314	2.638	-96.574	93.075
956	1	-90.310	-2.976	-99.983	14.811	-0.532	-92.754	80.631
956	2	-79.963	-3.636	-91.856	17.946	0.372	-83.972	77.407
957	1	-106.833	0.857	-79.166	-0.330	0.858	-106.834	90.175

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
957	2	-107.569	1.423	-83.212	-3.259	1.520	-107.666	91.711
958	1	-98.928	-2.287	-85.068	13.076	-0.548	-100.666	82.428
958	2	-94.603	-2.917	-85.605	16.341	-0.092	-97.428	80.190
959	1	-100.868	1.379	-98.586	13.480	3.126	-102.616	82.614
959	2	-94.795	2.500	-92.201	16.877	5.345	-97.639	80.433
960	1	-96.066	-1.535	-106.844	-0.541	-1.532	-96.069	90.328
960	2	-86.063	-2.486	-96.446	-3.983	-2.296	-86.252	92.722
961	1	-101.980	2.029	-78.165	11.240	3.230	-103.180	83.902
961	2	-101.548	3.041	-81.148	14.619	5.046	-103.553	82.190
962	1	-98.890	-1.108	-86.971	0.625	-1.104	-98.894	89.633
962	2	-94.631	-1.982	-85.907	-2.376	-1.922	-94.692	91.468
963	1	-101.964	1.014	-104.509	0.840	1.021	-101.971	89.532
963	2	-95.980	1.508	-96.234	-2.064	1.552	-96.024	91.212
964	1	-96.584	-2.430	-110.803	11.032	-1.155	-97.860	83.405
964	2	-85.889	-2.977	-99.079	13.916	-0.704	-88.162	80.722
965	1	-100.872	0.038	-79.489	2.560	0.103	-100.937	88.547
965	2	-100.338	0.447	-81.428	0.154	0.447	-100.339	89.912
966	1	-98.936	-1.444	-88.605	8.472	-0.713	-99.667	85.070
966	2	-94.033	-2.009	-86.641	11.276	-0.647	-95.395	83.114
967	1	-102.438	0.249	-107.860	8.680	0.977	-103.166	85.202
967	2	-95.647	1.214	-98.032	11.582	2.580	-97.012	83.275
968	1	-101.884	-0.142	-119.606	2.691	-0.071	-101.955	88.485
968	2	-91.631	-1.173	-105.174	0.172	-1.172	-91.631	89.891
969	1	-96.425	1.058	-78.836	5.988	1.424	-96.791	86.498
969	2	-94.485	1.957	-79.728	8.802	2.754	-95.282	84.827
970	1	-98.369	0.102	-91.365	4.399	0.298	-98.565	87.447
970	2	-92.777	-0.642	-87.554	1.775	-0.608	-92.811	88.896
971	1	-103.286	0.020	-115.848	4.440	0.211	-103.476	87.543
971	2	-95.736	0.411	-103.410	1.893	0.448	-95.773	88.872
972	1	-104.490	-1.837	-125.482	6.122	-1.473	-104.854	86.598
972	2	-92.590	-2.146	-109.085	8.840	-1.290	-93.446	84.469
973	1	-92.976	-0.610	-79.282	6.414	-0.166	-93.420	86.046
973	2	-91.116	-0.021	-79.492	4.292	0.180	-91.318	87.308
974	1	-98.453	-0.289	-93.238	2.695	-0.215	-98.527	88.428
974	2	-92.632	-0.834	-88.654	5.167	-0.544	-92.922	86.788
975	1	-104.164	-1.167	-120.914	2.725	-1.095	-104.236	88.485
975	2	-96.114	-0.305	-106.618	5.274	-0.016	-96.404	86.858

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
976	1	-108.993	3.218	-137.517	6.317	3.572	-109.348	86.788
976	2	-97.881	1.464	-117.575	4.735	1.689	-98.106	87.277
977	1	-87.066	-1.086	-72.928	-1.322	-1.065	-87.086	90.880
977	2	-84.631	-0.291	-72.570	1.572	-0.261	-84.660	88.932
978	1	-99.062	2.342	-88.932	10.764	3.472	-100.192	84.006
978	2	-91.101	1.254	-83.027	7.489	1.858	-91.704	85.394
979	1	-106.310	-2.222	-120.548	10.442	-1.184	-107.347	84.327
979	2	-95.917	-1.491	-104.324	7.299	-0.930	-96.478	85.605
980	1	-119.638	-3.166	-136.075	-1.595	-3.144	-119.660	90.784
980	2	-102.723	-2.737	-114.465	1.860	-2.702	-102.758	88.934
981	1	-81.839	-3.321	-69.344	12.911	-1.253	-83.908	80.897
981	2	-79.957	-2.537	-69.459	9.887	-1.294	-81.200	82.835
982	1	-100.733	1.974	-89.099	-5.636	2.282	-101.043	93.131
982	2	-92.588	0.966	-82.983	-2.418	1.028	-92.650	91.479
983	1	-109.144	-3.751	-125.359	-5.958	-3.415	-109.479	93.225
983	2	-98.188	-2.565	-107.420	-2.608	-2.494	-98.259	91.561
984	1	-125.699	5.779	-145.983	11.980	6.861	-126.782	84.836
984	2	-109.919	3.057	-121.450	10.102	3.953	-110.816	84.930
985	1	-80.291	-2.829	-68.428	-9.853	-1.595	-81.524	97.136
985	2	-76.424	-1.531	-67.961	-6.035	-1.048	-76.907	94.578
986	1	-105.159	4.745	-91.281	18.754	7.858	-108.271	80.578
986	2	-93.387	3.126	-83.504	13.411	4.955	-95.216	82.234
987	1	-115.665	-4.580	-134.381	18.354	-1.626	-118.619	80.856
987	2	-100.545	-3.360	-112.733	13.129	-1.617	-102.288	82.440
988	1	-143.672	0.205	-155.878	-10.549	0.974	-144.442	94.171
988	2	-118.817	0.147	-127.099	-5.675	0.417	-119.087	92.725
989	1	-71.834	-7.113	-58.971	21.356	-0.702	-78.246	73.288
989	2	-70.798	-4.972	-61.295	15.435	-1.532	-74.237	77.437
990	1	-106.363	4.914	-89.234	-15.112	6.930	-108.378	97.597
990	2	-94.792	3.139	-82.037	-9.957	4.141	-95.794	95.747
991	1	-119.572	-7.124	-143.193	-15.517	-5.022	-121.674	97.714
991	2	-103.781	-5.184	-118.620	-10.243	-4.131	-104.833	95.869
992	1	-150.386	10.455	-174.528	19.021	12.674	-152.605	83.346
992	2	-125.951	6.132	-139.844	14.805	7.771	-127.591	83.682
993	1	-65.653	-4.806	-53.618	-22.059	2.349	-72.809	107.972
993	2	-65.190	-3.026	-57.173	-14.922	0.370	-68.587	102.822
994	1	-114.099	6.543	-88.418	33.724	15.331	-122.886	75.395

ELEMENT	LOAD COMB	X-STRESS (RADIAL)	Y-STRESS (AXIAL)	THETA-STRESS (HOOP)	XY-STRESS (SHEAR)	MAXIMUM PRIN-STRESS	MINIMUM PRIN-STRESS	PRIN-STRESS ANGLE
994	2	-97.779	4.276	-80.747	22.507	9.020	-102.522	78.099
995	1	-130.156	-7.459	-154.741	34.316	1.485	-139.102	75.389
995	2	-108.558	-4.940	-125.454	22.964	-0.079	-113.419	78.047
996	1	-183.100	0.677	-190.708	-24.083	3.781	-186.204	97.343
996	2	-143.308	0.782	-149.244	-15.362	2.401	-144.928	96.018
997	1	-21.256	-11.253	73.962	48.393	32.396	-64.906	47.950
997	2	-35.322	-7.518	27.784	33.323	14.686	-57.527	56.322
998	1	-106.012	14.769	-55.380	-27.678	20.810	-112.053	102.311
998	2	-92.381	9.733	-58.863	-17.979	12.806	-95.454	99.699
999	1	-138.854	-16.012	-188.806	-27.091	-10.303	-144.564	101.900
999	2	-114.489	-10.808	-148.860	-17.526	-7.925	-117.371	99.339
1000	1	-223.736	12.633	-315.135	50.363	22.916	-234.019	78.459
1000	2	-169.387	7.115	-238.184	30.268	12.162	-174.433	80.534

****

SOUTHK65

****

MICAS REV 3.4 FINITE ELEMENT ANALYSIS

AXI-SYMETRIC 11/21/88 17:25:25

****
* SUPPORT REACTIONS *
****

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
1	1	0.000	1,394.612
1	2	0.000	1,394.612
4	1	0.000	8,691.265
4	2	0.000	8,691.277
7	1	0.000	15,748.608
7	2	0.000	15,748.587
10	1	0.000	22,747.290
10	2	0.000	22,747.300
13	1	0.000	29,750.984
13	2	0.000	29,750.985
16	1	0.000	36,733.318
16	2	0.000	36,733.317
19	1	0.000	43,747.510
19	2	0.000	43,747.510
22	1	0.000	50,726.987
22	2	0.000	50,726.987
25	1	0.000	57,733.154
25	2	0.000	57,733.154
28	1	0.000	64,720.031
28	2	0.000	64,720.031
31	1	0.000	71,731.304
31	2	0.000	71,731.304
34	1	0.000	78,714.858
34	2	0.000	78,714.858
37	1	0.000	85,740.471

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
37	2	0.000	85,740.472
40	1	0.000	92,709.310
40	2	0.000	92,709.310
43	1	0.000	99,742.190
43	2	0.000	99,742.190
46	1	0.000	106,732.571
46	2	0.000	106,732.571
49	1	0.000	113,700.961
49	2	0.000	113,700.961
52	1	0.000	120,703.630
52	2	0.000	120,703.631
55	1	0.000	127,751.695
55	2	0.000	127,751.695
58	1	0.000	134,641.492
58	2	0.000	134,641.492
61	1	0.000	141,715.983
61	2	0.000	141,715.984
64	1	0.000	148,693.507
64	2	0.000	148,693.507
67	1	0.000	155,759.546
67	2	0.000	155,759.546
70	1	0.000	162,667.456
70	2	0.000	162,667.456
73	1	0.000	169,711.960
73	2	0.000	169,711.960
76	1	0.000	176,688.814
76	2	0.000	176,688.814
79	1	0.000	183,691.194
79	2	0.000	183,691.195
82	1	0.000	190,649.489
82	2	0.000	190,649.488
85	1	0.000	197,726.975
85	2	0.000	197,726.975
88	1	0.000	204,615.585
88	2	0.000	204,615.586
91	1	0.000	211,678.155

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
91	2	0.000	211,678.155
94	1	0.000	218,647.136
94	2	0.000	218,647.135
97	1	0.000	225,720.809
97	2	0.000	225,720.810
100	1	0.000	232,606.456
100	2	0.000	232,606.456
103	1	0.000	239,685.713
103	2	0.000	239,685.713
106	1	0.000	246,670.153
106	2	0.000	246,670.154
109	1	0.000	253,745.592
109	2	0.000	253,745.592
112	1	0.000	260,699.488
112	2	0.000	260,699.488
115	1	0.000	267,733.368
115	2	0.000	267,733.369
118	1	0.000	274,656.721
118	2	0.000	274,656.720
121	1	0.000	281,692.086
121	2	0.000	281,692.086
124	1	0.000	288,631.401
124	2	0.000	288,631.402
127	1	0.000	295,713.393
127	2	0.000	295,713.392
130	1	0.000	302,655.502
130	2	0.000	302,655.501
133	1	0.000	309,693.140
133	2	0.000	309,693.141
136	1	0.000	316,604.166
136	2	0.000	316,604.165
139	1	0.000	323,716.701
139	2	0.000	323,716.701
142	1	0.000	330,594.572
142	2	0.000	330,594.573
145	1	0.000	337,680.309

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
145	2	0.000	337,680.309
148	1	0.000	344,600.164
148	2	0.000	344,600.164
151	1	0.000	351,690.966
151	2	0.000	351,690.899
154	1	0.000	358,680.419
154	2	0.000	358,680.089
157	1	0.000	363,868.005
157	2	0.000	363,872.484
160	1	0.000	359,200.815
160	2	0.000	359,234.018
163	1	0.000	300,086.259
163	2	0.000	300,271.936
166	1	0.000	271,980.075
166	2	0.000	272,042.402
170	1	0.000	299,781.161
170	2	0.000	299,628.314
175	1	0.000	321,043.431
175	2	0.000	320,437.621
181	1	0.000	318,649.525
181	2	0.000	317,685.345
188	1	0.000	351,185.572
188	2	0.000	350,188.291
195	1	0.000	357,616.531
195	2	0.000	359,321.156
202	1	0.000	389,182.569
202	2	0.000	397,889.374
209	1	0.000	353,354.559
209	2	0.000	372,565.707
216	1	0.000	219,022.571
216	2	0.000	234,495.721
223	1	0.000	175,719.685
223	2	0.000	191,120.960
230	1	0.000	124,286.311
230	2	0.000	136,974.763
237	1	0.000	202,263.156

5620

NODE	LD COMB	X-FORCE REACTION (RADIAL)	Y-FORCE REACTION (AXIAL)
237	2	0.000	227,192.300
244	1	0.000	25,072.770
244	2	0.000	35,885.452
251	1	0.000	-77,425.079
251	2	0.000	-79,761.146