**This document was too large to scan
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Section 1 of 2

Document Information			
Document #	HNF-3451	Revision	0
Title	ASSESSMENT OF STRUCTURAL RESISTANCE OF BLDG 4862 TO EARTHQUAKE & TORNADO FORCES		
Date	12/06/1999		
Originator	METCALF IL	Originator Co.	FDH
Recipient		Recipient Co.	
References	EDT-625602		
Keywords	SEISMIC ANALYSIS		
Projects	FMEF		
Other Information			

2. To: (Receiving Organization) Distribution	3. From: (Originating Organization) Project Support	4. Related EDT No.: N/A
5. Proj./Prog./Dept./Div.: FMEF	6. Design Authority/ Design Agent/Cog. Engr.: K.E. Schwartz	7. Purchase Order No.: N/A
8. Originator Remarks: Assessment of Structural Resistance of Building 4862 to Earthquake and Tornado Forces by LATA.		9. Equip./Component No.: N/A/
		10. System/Bldg./Facility: 05/427/FMEF 4862 12-2-99
11. Receiver Remarks: 11A. Design Baseline Document? ☐ Yes ☒ No		12. Major Assm. Dwg. No.:
		13. Permit/Permit Application No.:
		14. Required Response Date:

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Design- nator	Reason for Trans- mittal	Orig- inator Dispo- sition	Receiv- er Dispo- sition
1	HNF-3451	A11	0	Assessment of Structural Resistance of Building 4862 to Earthquake and Tornado Forces	N/A	1	1	

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

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)											
(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
1	1	Design Authority	I.L. Metcalf	12/2/99	L6-26	1	1				
1	1	Design Agent	I.L. Metcalf	12/2/99							
1	1	Cog. Eng.	I.L. Metcalf	12/2/99							
1	1	Cog. Mgr.	I.L. Metcalf	12/2/99							
		QA									
		Safety				3		Central Files			B1-07
		Env.				3		DOE Reading Room			H2-53

18. K.E. Schwartz Signature of EDT Originator	12-2-99 Date	19. Authorized Representative for Receiving Organization	12/2/99 Date	20. I.L. Metcalf Design Authority/ Cognizant Manager	12/2/99 Date	21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments
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Assessment of Structural Resistance of Building 4862 to Earthquake and Tornado Forces

I. L. Metcalf
Fluor Daniel Hanford, Inc.
Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-96RL13200

EDT/ECN: EDT-625602 UC: 2000
Org Code: 19120 Charge Code: HMK40021 101333/A020
B&R Code: EW7002010 Total Pages: 745

Key Words: FMEF; Seismic Analysis; LATA; 4862 Bldg.

Abstract: This report presents the results of work done for Hanford Engineering Laboratory under contract Y213-544-12662. LATA performed an assessment of Bldg. 4862 resistance to earthquake and tornado forces.

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Janis Arndal 12-6-99
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Los Alamos Technical Associates, Inc.

P.O. Box 410, Los Alamos, New Mexico 87544 Telephone (505) 662-9080

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ASSESSMENT OF STRUCTURAL RESISTANCE
OF BUILDING NO. 4862
TO EARTHQUAKE AND TORNADO FORCES
for the
Hanford Engineering Development Laboratory
by
Los Alamos Technical Associates, Inc.
November 1982

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LATA-HEDL-53D-01

ASSESSMENT OF STRUCTURAL RESISTANCE
OF BUILDING NO. 4862
TO EARTHQUAKE AND TORNADO FORCES

by

Los Alamos Technical Associates, Inc.
Los Alamos, New Mexico

Under Contract No. Y213-544-12662
(Alt. #1)

for

Hanford Engineering Development Laboratory
Richland, Washington

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SUMMARY

Engineering assessment of the structural capability of Building 4862 to withstand natural phenomena forces (earthquake and tornado) was performed.

The structural dynamic response of the building to earthquakes was simulated by use of a model consisting of equivalent lumped masses and shear beams supported by soil springs. Response of the model to two horizontal (ZPA = 0.250 g) and one vertical (ZPA = 0.170 g) 7% damped free field response spectra was computed. Computed forces and moments were applied to the structural walls to determine their structural adequacy. The analysis was limited to the investigation of the overall structural stability and of the resistance capacity of the major structural members of the building.

Based upon the analysis, it was concluded that the wall 1Y (west wall) would fail in bending and shear, and that shear failures would occur along walls 18X (south wall), 2X (northeast corner), 12Y, and 19X. Further, it was inferred that failure of 1Y would lead to progressive failures by causing other walls to fail. To avoid such failures, it is recommended that the building be upgraded by adding X-bracing or walls along column lines 0.1, 0.3 or 0.7 to match the strength of the other areas. Based upon shear failure criterion, it is estimated that the building would withstand an earthquake with a ZPA of 0.20 g without major structural damage.

Simplified computations indicated that the floors were capable of withstanding the 0.250 g earthquake. However, significant amplification of vertical earthquake spectra between 10 to 15 Hz would be expected. This implies that floor mounted Category I equipment must be qualified to amplified floor spectra. The predicted maximum earthquake displacements at the roof level would be one inch and is smaller than the gap between Building 4862 and FMEF.

Based upon the review of the original design analysis, it was judged that the building was capable of withstanding the static forces due to the maximum tornado wind speed (175 mph). The plastic impacts of the tornado generated missiles, the auto (4,000 lb, 50 ft/sec), and the utility pole (1,125 lb, 55 ft/sec) was investigated by the energy-balance technique. The strain energy capacity of the wall was judged to be more than adequate to stop the pole. Auto impact would effect failure of the wall by penetration. However, the columns (W10 x 33) were found to have sufficient capacity to absorb the full impact force of the auto and, therefore, it was concluded that the masonry wall would fail but a total collapse of the building would not occur.

1.0 INTRODUCTION

This report presents the results of analyses performed for the Hanford Engineering Development Laboratory (HEDL) under Contract Y213-544-12662 (Alt. #1). The analyses were performed to provide an engineering assessment of the structural capability of Building 4862 to withstand forces arising from earthquake and tornado.

Building 4862 was designed as a non-Category I building to meet the applicable Uniform Building Code (UBC) specifications and standards (Ref. 1). The purpose of this engineering effort is to estimate whether the building could meet the earthquake and tornado forces applicable to a Category I structure. These applicable earthquake and tornado forces, and their acceptance criteria, are presented in Section 2.

Seismic resistance capability of the building was evaluated by performing a response spectra analysis of a three-dimensional, equivalent, lumped shear beam and mass model. Analysis procedures, model descriptions, and building responses are described in Section 3. Conclusions and recommendations are presented in Subsection 5.1.

The capability of the building to absorb and withstand the impact of the tornado generated missiles was investigated by use of the energy-balance technique. The original design document of Norman Engineering Company (Ref. 1) was used to estimate the effect of the maximum tornado wind force on the building. The missile impact investigation and maximum wind force are discussed in Section 4. Conclusions and recommendations are presented in Subsection 5.2.

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2.0 LOADS AND ACCEPTANCE CRITERIA

Building 4862 was designed as a non-Category 1 structure. The original design goals (Ref. 1) were

- to meet Uniform Building Code for earthquake design;
- to withstand a maximum wind speed of 80 mph (100 yr recurrence interval); and
- to protect the south wall of the FMEF building from tornado generated missiles (the survivability of ESPIS wing was not a design goal).

The object of this engineering evaluation is to assess the capability of the building to withstand the natural phenomena forces applicable to a Category 1 structure. Earthquake and tornado forces and corresponding acceptable design stresses/forces applicable to a Category 1 structure are presented in the following subsections. A summary of material specifications is presented in Table 2-1.

2.1 Earthquakes

Seismic qualification criteria for the FMEF Category 1 structures are specified in Reference 2. The applicable free-field earthquake input spectra for the horizontal direction is shown in Figure 2-1. The vertical direction input is 2/3 of the horizontal input.

Seismic qualification criteria for Category 1 structures require that earthquake spectra for two horizontal and one vertical directions must be applied and the resulting responses must be combined in accordance with the NRC Guide 1.92 (Ref. 4). Furthermore, the damping of the spectra shall conform to NRC Guide 1.61 (Ref. 5), the combined earthquake forces/stresses must be added to compute the required strength (or, computed stresses) and the required strength must be below the factored acceptable loads/stresses.

TABLE 2-1
SUMMARY OF MATERIAL SPECIFICATIONS

<u>No.</u>	<u>Material</u>	<u>Specification/Value</u>	<u>Comments/ References</u>
1.	Concrete	Compressive Strength, $f'_c \geq 4,000$ psi Modulus of Elasticity, $E_c = 3.6 \times 10^6$ psi Poisson's Ratio = 0.2 Unit weight = 145 pcf	Ref. 1, ACI-318-77
2.	Steel Rein- forcement (A615, Grade 60)	Minimum Yield Stress = 60 ksi Modulus of Elasticity, $E_s = 29 \times 10^6$ psi	Ref. 1 & AISC
3.	Structural Steel (A36)	Minimum Yield Stress = 36 ksi Modulus of Elasticity $E_s = 29 \times 10^6$ psi	Ref. 1 & AISC
4.	Concrete Masonry Walls (ASTM C90 Grade N, Type I per UBC, 1979)	Compressive Strength, $f'_c = 1,500$ psi Modulus of Elasticity, $E_c = 1.5 \times 10^6$ psi Poisson's Ratio = 0.2 Unit Weight = 150 pcf	Ref. 1
5.	Soil	Weight = 125 pcf Shear Modulus = 631 psi Shear Velocity = 403 ft/sec Poisson's Ratio = 0.33	Ref. 1 & 3

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Figure 2-1. Free-Field Earthquake Input Spectra for the FMEF Site

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Earthquake input spectra and acceptance criteria are enumerated in Table 2-2.

2.2 Tornado

Tornado load criteria consist of three items:

- W_{tq} = wind pressure load due to maximum wind speed,
- W_{tp} = differential pressure load due to atmospheric pressure drop, and
- W_{tm} = impact load from tornado generated missiles.

The criteria require that these three load components must be combined in accordance with U.S. NRC Standard Review Plan (Ref. 6) and the adequacy of structural elements to withstand these loadings must be checked. Tornado load criteria and parameters of all missiles are summarized in Table 2-3 and 2-4. An idealized impact force time history for an automobile is delineated in Figure 2-2.

TABLE 2-2
EARTHQUAKE CRITERIA

<u>No.</u>	<u>Item</u>	<u>Criteria Description</u>	<u>Comments</u>
1.	Classification	Category I	For this assessment
2.	General failure criteria	Total and progressive structural failure	Local failures, yielding of steel and cracking of concrete are acceptable
3.	Seismic spectra (two horizontal and one vertical)	Design basis spectra for El. 0'-0" (ZPA = 0.250 g)	Ref. 2
4.	Bed-rock to soil amplification	Included in spectra	Ref. 2
5.	Soil-structure interaction	Include by use of soil springs or amplification factors	Ref. 2
6.	Load combinations		
	a. Concrete	$U = 1.1D + 1.1L + 1.0E$ U = required strength D = dead load L = live load E = earthquake load	ACI-318-77
	b. Steel/masonry	$S = D + L + E$ S = required strength	UBC (1979)
7.	Earthquake response combination	Modified SRSS method	NRC Guide
	Acceptance criteria		
	a. Concrete	$U \leq \text{ultimate strength}$	ACI-318-77
	b. Steel	$S \leq 0.95 F_y \text{ or } 1.5 F_a$ whichever is less $F_y = \text{yield stress}$ $F_a = \text{allowable stress}$	AISC

TABLE 2-3
TORNADO CRITERIA

<u>No.</u>	<u>Item</u>	<u>Value</u>	<u>Comments</u>
1.	Wind speed		
	a. Maximum	175 mph	Ref. 1
	b. Rotational	150 mph	
	c. Transitional	25 mph	
	c. Radius of max. speed	125 ft	
2.	Pressure drop		
	a. Maximum	0.75 psi	Ref. 1
	b. Rate	0.25 psi/sec	
3.	Load combinations most severe of:	$W_{tq}, W_{tp}, \text{ or } W_{tm}$ $W_{tq} + 0.5 W_{tp}$ $W_{tq} + W_{tm}$ $W_{tq} + 0.5W_{tp} + W_{tm}$	Ref. 1, Ref. 6 (acting independently)
4.	Acceptance criteria	Same as Item 7 of Table 2-2	

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TABLE 2-4
MISSILE DESCRIPTIONS

<u>No.</u>	<u>Item</u>	<u>Impact Velocity (ft/sec)</u>		<u>Comments</u>
		<u>Horizontal</u>	<u>Vertical</u>	
1.	Wood plank (4 in. x 12 in. x 12 ft, 115 lb)	110	105	Ref. 1
2.	Steel rod (1 in. dia. x 3 ft, 9 lb)	24	24	
3.	Steel pipe (6 in. dia. sch 40 x 15 ft, 287 lb)	55	30	Apply at height ≤20 ft
4.	Steel pipe (12 in. dia. sch 40 x 15 ft, 750 lb)	35	30	"
5.	Utility pole (13-1/2 in. dia x 35 ft, 1,125 lb)	55	30	"
6.	Automobile (20 sq ft, 4,000 lb)	50	50	"

$$F_1 = 1.14 W V_o \quad W \text{ in pounds, } V_o \text{ in mph}$$

$$t_d = 0.08 \text{ sec.}$$

Figure 2-2. Idealized Force-Time History for Automobile Impact

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3.0 EARTHQUAKE ANALYSIS

The capability of the building to withstand the earthquake forces was investigated by developing an equivalent lumped mass and shear beam model and performing a response spectrum analysis to compute element loads. The developed model was implemented in SUPERSAP (Ref. 7). The computed element forces were then applied to the structural members to check the adequacy of their structural strength. The analyses were limited to the investigation of the overall structural response and adequacy of the walls. Joints, moment connections, loads near windows and doors, etc., were not investigated. Procedures, model descriptions, and response analyses are presented here.

3.1 Procedures and Model Description

After a review of the original design documented in Ref. 1, it was concluded that Building 4862 was best characterized as a shear wall building in which lateral earthquake forces are resisted by shear walls. Because the objective was to assess the overall response of the building to earthquakes, an equivalent lumped mass and shear beam element model was used to assess the dynamic response of the building to earthquakes.

Overall dimensions of the building are shown in Figure 3-1. From a review of A-E drawings and the original design document (Ref. 1), the building was divided into six regions for modelling and analyses purposes. Stick models comprised of either three shear beam elements with four nodes for two story regions, or two shear beam elements for one story areas (entry wing), were used to represent each region of the building. These sticks were connected to each other at floor levels by floor beam elements. The lower ends of the sticks (representing the foundation) were attached to three translational springs (two horizontal and one vertical) to represent and include the soil-structure interaction effects. A schematic view of the model is shown in Figure 3-2. Computation of the parameters such as section properties, masses and soil springs, are discussed in the following pages.

Figure 3-1. Overall Dimensions of Building

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Figure 3-2. Schematic View of the Equivalent Model

Equivalent soil springs were computed using the following formulae:

$$K_H = \left(\frac{8 Gr}{2-v} \right) k_1$$

$$K_V = \left(\frac{8 Gr}{1-v} \right) k_2$$

where

- G = shear modulus
- v = Poisson's ratio
- r = equivalent radius of tributary area
- k_1, k_2 = coefficients of soil and frequency range of excitation. Values are presented as a function of w, r, v and g (see Ref. 8).

The computed values of springs were then equally distributed to all foundation nodes.

Shear beam element properties (areas and moment of inertias) were computed from the section properties of tributary shear walls. Model beam elements and their tributary walls are listed in Table 3-1. The gross areas of all tributary walls were added to obtain the tensile areas while shear areas were obtained by summing the shear areas of walls of the given direction (i.e., X-walls were used for X-direction shear area and Y-walls were used for the Y-direction).

The cracked moment of inertia of concrete and reinforced block wall were computed and were used to estimate the inertia of the model beams. A wall with several openings (e.g., windows and doors) was subdivided into several regions and the cracked inertia of each section was computed. These were then combined using appropriate methods depending upon whether the subdivisions were in series or parallel to estimate the equivalent properties of the wall. All the tributary walls of a given direction were combined to obtain the net inertia of the model elements for that direction. Details of the inertia calculations and development of wall properties are presented in Appendix A.

TABLE 3-1

SHEAR ELEMENTS AND TRIBUTARY WALLS

Element No.	Tributary Walls	
	X-Direction	Y-Direction
1	1X, 4X, 5X, 8X, 9X, 12X	1Y, 19Y, 20Y, 21Y, 22Y, 23Y
2	1X, 4X, 5X, 8X, 9X, 12X	1Y, 19Y, 20Y, 21Y, 22Y, 23Y
3	1X "17X"	1Y, "2Y"
4	6X, 7X, 10X, 11X	24Y, 25Y, 26Y, 6Y
5	6X, 7X, 10X, 11X	24Y, 25Y, 26Y, 6Y
6	19X, "17X," "20X"	5Y, 6Y, 7Y
7	"18X," 13X, 14X, 15X, 20X	8Y, 9Y, 10Y, 11Y, 12Y, 13Y
8	"18X," 13X, 14X, 15X, 20X	8Y, 9Y, 10Y, 11Y, 12Y, 13Y
9	20X, "18X"	8Y, 9Y, 12Y
10	2X, 3X, "18X," 16X	14Y, 15Y, 16Y, 17Y, 18Y
11	2X, 3X, "18X," 16X	14Y, 15Y, 16Y, 17Y, 18Y
12	18X, 2X	14Y, 17Y, 18Y
13	"17X," 23X, "22X"	2Y, 3Y
14	"17X," 23X, "22X"	2Y, 3Y
15	"17X," 21X, "22X"	4Y, 7Y
16	"17X," 21X, "22X"	4Y, 7Y

Note: " " indicates that only a portion of the wall was included.
Walls are identified in Figures 3-3 through 3-6.

Each shear beam element was located at the center of rigidity (CR) of all of its tributary walls. The location of the CR was determined for the walls of each direction and the combined location was used to define the location of the element in the model (X-direction walls defined Y-coordinate and Y-direction walls defined X-coordinate). Figures 3-3 to 3-6 show the shear walls as well as the tributary floor areas.

The lumped mass of each region of the building was computed by summing the masses of the tributary walls and floors. The dead load and live load were summed and the sum was multiplied by the floor area to obtain the floor mass of each region. The lumped mass of each region was located at the center of gravity (CG) of that region. A rigid link, if necessary, was used to link the CG to the CR.

Beams to represent floors were developed based upon the inertias and areas of floors (i.e., steel beams and concrete slabs). The shear and axial areas were obtained from shear and axial areas of the tributary beams and concrete slabs. Out-of-plane bending inertia of all floors were relatively small. The net effect of the assumed floor beam properties was to simulate the floors as diaphragms.

The model parameters for the SUPERSAP program are presented in Table 3-2. Beam properties (material and section) are tabulated in Table 3-3. Soil springs and lumped masses are presented in Table 3-4. Table 3-5 contains the digitized 7% damped spectra for the horizontal direction.

The first 12 eigenfrequencies of the equivalent model are listed in Table 3-6. These computed eigenfrequencies of the model were checked for validity by simplified estimates for the soil-structure and flexural modes of the building (see Appendix B). In addition, eigenfrequencies of the model for fixed boundary conditions (i.e., rigid base; no soil springs) were also computed. Based upon these computations, it was concluded that the eigenfrequencies of the equivalent model were acceptable and that the model would adequately simulate the earthquake response of the building.

Figure 3-3. Shear Walls X-Direction El. 22'-0"

Figure 3-4. Shear Walls X-Direction El. 8'-0"

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Figure 3-5. Shear Walls Y-Direction El. 22'-0"

Figure 3-6. Shear Walls Y-Direction El. 8'-0"

TABLE 3-2

SUMMARY OF MODEL PARAMETERS

Nodes: Total	= 58
Completely fixed	= 18
Nodes with 3 DOF	= 22
Nodes with 2 DOF	= 16
Slaved nodes	= 2
Degrees of freedom	= 98
Beam elements total	= 31
Shear wall	= 16
Floors and roofs	= 15
Rigid links	= 16
Boundary condition springs	= 18
Lumped masses	= 16

TABLE 3-3

BEAM PROPERTIES

NUMBER OF BEAMS = 31
 NUMBER OF GEOMETRIC PROPERTY SETS = 19
 NUMBER OF FIXED END FORCE SETS = 0
 NUMBER OF MATERIALS = 4
 NUMBER OF INTERMEDIATE LOAD SETS = 0

MATERIAL PROPERTIES

MATERIAL NUMBER	YOUNG'S MODULUS	POISSON'S RATIO	MASS DENSITY	WEIGHT DENSITY	THERMAL EXPANSION COEFFICIENT	REFERENCE TEMPERATURE
1	0.1000E 07	0.1000	0.0000E 00	0.0000E 00	0.0000E 00	0.0000E 00
2	0.1000E 15	0.1000	0.0000E 00	0.0000E 00	0.0000E 00	0.0000E 00
3	0.3500E 07	0.1000	0.0000E 00	0.0000E 00	0.0000E 00	0.0000E 00
4	0.3000E 08	0.1000	0.0000E 00	0.0000E 00	0.0000E 00	0.0000E 00

BEAM GEOMETRIC PROPERTIES

SECTION NUMBER	AXIAL AREA A(1)	SHEAR AREA A(2)	SHEAR AREA A(3)	TORSION J(1)	INERTIA I(2)	INERTIA I(3)	SECTION MODULUS S(2)	SECTION MODULUS S(3)
1	0.3827E 05	0.1829E 05	0.1998E 05	0.1000E 11	0.1570E 08	0.1580E 09	0.0000E 00	0.0000E 00
2	0.2741E 05	0.1675E 05	0.1065E 05	0.1000E 11	0.2110E 08	0.4180E 08	0.0000E 00	0.0000E 00
3	0.2280E 05	0.8400E 04	0.1440E 05	0.1000E 11	0.1080E 08	0.3630E 08	0.0000E 00	0.0000E 00
4	0.2868E 05	0.1631E 05	0.1237E 05	0.1000E 11	0.2050E 07	0.2000E 09	0.0000E 00	0.0000E 00
5	0.1740E 05	0.7560E 04	0.9840E 04	0.1000E 11	0.3080E 07	0.2170E 09	0.0000E 00	0.0000E 00
6	0.1540E 05	0.7896E 04	0.7504E 04	0.1000E 11	0.8770E 07	0.2140E 09	0.0000E 00	0.0000E 00
7	0.2831E 05	0.1087E 05	0.1717E 05	0.1000E 11	0.1120E 09	0.1530E 09	0.0000E 00	0.0000E 00
8	0.3327E 05	0.1344E 05	0.1982E 05	0.1000E 11	0.1570E 08	0.6180E 08	0.0000E 00	0.0000E 00
9	0.1844E 05	0.6800E 04	0.1164E 05	0.1000E 11	0.9300E 08	0.8160E 08	0.0000E 00	0.0000E 00
10	0.2833E 05	0.2038E 05	0.7944E 04	0.1000E 11	0.1080E 09	0.2880E 09	0.0000E 00	0.0000E 00
11	0.2975E 05	0.1886E 05	0.1089E 05	0.1000E 11	0.9870E 08	0.1170E 09	0.0000E 00	0.0000E 00
12	0.2920E 05	0.1896E 05	0.1024E 05	0.1000E 11	0.4330E 09	0.2670E 09	0.0000E 00	0.0000E 00
13	0.2099E 05	0.1069E 05	0.1032E 05	0.1000E 11	0.8630E 08	0.7020E 08	0.0000E 00	0.0000E 00
14	0.1229E 05	0.6176E 04	0.6112E 04	0.1000E 11	0.2990E 07	0.5220E 08	0.0000E 00	0.0000E 00
15	0.1745E 05	0.1230E 05	0.5114E 04	0.1000E 11	0.4700E 08	0.1640E 08	0.0000E 00	0.0000E 00
16	0.3153E 05	0.1030E 05	0.2122E 05	0.1000E 11	0.7100E 09	0.2970E 08	0.0000E 00	0.0000E 00
17	0.7200E 04	0.7200E 04	0.7200E 04	0.1000E 11	0.1000E 10	0.4800E 09	0.0000E 00	0.0000E 00
18	0.5000E 04	0.4000E 04	0.4000E 04	0.1000E 11	0.1000E 10	0.1320E 06	0.0000E 00	0.0000E 00
19	0.5000E 04	0.4000E 04	0.4000E 04	0.1000E 11	0.1000E 10	0.3500E 04	0.0000E 00	0.0000E 00

ELEMENT LOAD MULTIPLIERS

	A	B	C	D
X-DIR	0.000000E 00	0.000000E 00	0.000000E 00	0.000000E 00
Y-DIR	0.000000E 00	0.000000E 00	0.000000E 00	0.000000E 00
Z-DIR	0.000000E 00	0.000000E 00	0.000000E 00	0.000000E 00

1-34

TABLE 3-4
SOIL SPRINGS AND LUMPED MASSES

BOUNDARY ELEMENTS

ELEMENT TYPE = 7
NUMBER OF ELEMENTS = 18

ELEMENT LOAD CASE MULTIPLIERS

CASE(A) 0.0000 CASE(B) 0.0000 CASE(C) 0.0000 CASE(D) 0.0000

ELEMENT NUMBER	NODE (N)	NODES (N1)	DEFINING (N2)	CONSTRAINT (N3)	DIRECTION (N4)	CODE KD	GENERATION CODE KR	DISPLACEMENT	SPECIFIED ROTATION	SPRING RATE
1	1	41	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
2	1	42	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
3	5	43	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
4	5	44	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
5	10	45	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
6	10	46	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
7	14	47	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
8	14	48	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
9	19	49	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
10	19	50	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
11	22	51	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
12	22	52	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
13	1	53	0	0	0	1	0	0.0000E 00	0.0000E 00	0.8700E 06
14	5	54	0	0	0	1	0	0.0000E 00	0.0000E 00	0.1100E 07
15	10	55	0	0	0	1	0	0.0000E 00	0.0000E 00	0.1100E 07
16	14	56	0	0	0	1	0	0.0000E 00	0.0000E 00	0.1100E 07
17	19	57	0	0	0	1	0	0.0000E 00	0.0000E 00	0.1100E 07
18	22	58	0	0	0	1	0	0.0000E 00	0.0000E 00	0.1100E 07

NODAL LOADS (STATIC) OR MASSES (DYNAMIC)

NODE NUMBER	LOAD CASE	X-AXIS FORCE	Y-AXIS FORCE	Z-AXIS FORCE	X-AXIS MOMENT	Y-AXIS MOMENT	Z-AXIS MOMENT
2	0	1.90476E 03	1.90476E 03	6.82818E 02	0.00000E -01	0.00000E -01	0.00000E -01
3	0	4.24431E 03	4.24431E 03	9.70697E 02	0.00000E -01	0.00000E -01	0.00000E -01
4	0	1.55280E 03	1.55280E 03	4.96894E 02	0.00000E -01	0.00000E -01	0.00000E -01
6	0	2.42236E 03	2.42236E 03	3.02795E 02	0.00000E -01	0.00000E -01	0.00000E -01
7	0	3.49379E 03	3.49379E 03	3.02795E 02	0.00000E -01	0.00000E -01	0.00000E -01
9	0	2.20497E 03	2.20497E 03	3.93375E 02	0.00000E -01	0.00000E -01	0.00000E -01
11	0	1.74172E 03	1.74172E 03	6.21118E 02	0.00000E -01	0.00000E -01	0.00000E -01
12	0	2.46636E 03	2.46636E 03	1.00932E 03	0.00000E -01	0.00000E -01	0.00000E -01
13	0	1.43116E 03	1.43116E 03	4.73662E 02	0.00000E -01	0.00000E -01	0.00000E -01
15	0	2.00828E 03	2.00828E 03	1.09990E 03	0.00000E -01	0.00000E -01	0.00000E -01
16	0	5.51242E 02	5.51242E 02	5.53830E 02	0.00000E -01	0.00000E -01	0.00000E -01
18	0	2.07816E 03	2.07816E 03	1.05072E 03	0.00000E -01	0.00000E -01	0.00000E -01
20	0	1.05072E 03	1.05072E 03	3.15735E 02	0.00000E -01	0.00000E -01	0.00000E -01
21	0	1.07660E 03	1.07660E 03	4.50311E 02	0.00000E -01	0.00000E -01	0.00000E -01
23	0	8.85093E 02	8.85093E 02	2.71739E 02	0.00000E -01	0.00000E -01	0.00000E -01
24	0	9.42029E 02	9.42029E 02	4.16667E 02	0.00000E -01	0.00000E -01	0.00000E -01

TABLE 3-5
DIGITIZED HORIZONTAL SPECTRA

CASE 1

DIRECTION FACTORS

X = 0.2500 Y = 0.2500 Z = 0.1700

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 2

EQ.0 DISPLACEMENT
EQ.1 ACCELERATION IN IN./SEC.**2
EQ.2 ACCELERATION IN G'S

1 SPECTRA ARE ENTERED FOR CASE 1. KIND= 2

CLUSTER FACTOR, CF = 0.10000

SPECTRUM TABLE (BLOG. 4862 FREE FIELD EL. 0-00) SPECTRUM -7% DAMPED

NUMBER OF POINTS = 14
SCALE FACTOR = 0.10000E 01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.1000E-01	0.1000E 01
2	0.3330E-01	0.1000E 01
3	0.4000E-01	0.1080E 01
4	0.5000E-01	0.1160E 01
5	0.6000E-01	0.1200E 01
6	0.8000E-01	0.1280E 01
7	0.1000E 00	0.1400E 01
8	0.1500E 00	0.1600E 01
9	0.2000E 00	0.1680E 01
10	0.3000E 00	0.1920E 01
11	0.4000E 00	0.1920E 01
12	0.5000E 00	0.1680E 01
13	0.7000E 00	0.1280E 01
14	0.1000E 01	0.1000E 01

TABLE 3-6
FREQUENCIES AND PARTICIPATION FACTORS

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)	MODAL PARTICIPATION FACTORS			
				MODE	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	0.1295E 02	0.2061E 01	0.4851E 00	1	0.1731E 03	0.8384E 01	0.2329E-29
2	0.1301E 02	0.2071E 01	0.4828E 00	2	-0.8385E 01	0.1731E 03	0.9320E-13
3	0.2532E 02	0.4029E 01	0.2482E 00	3	-0.2330E-15	0.7695E-16	-0.9516E 02
4	0.4137E 02	0.6585E 01	0.1519E 00	4	-0.6308E-16	-0.2376E-15	-0.1822E 02
5	0.7842E 02	0.1248E 02	0.8012E-01	5	0.6801E-13	-0.5066E-13	-0.3188E 01
6	0.8725E 02	0.1389E 02	0.7201E-01	6	-0.5045E-10	-0.1025E-09	-0.4070E 01
7	0.8751E 02	0.1393E 02	0.7180E-01	7	-0.3932E 00	-0.7992E 00	0.1059E-09
8	0.9716E 02	0.1546E 02	0.6467E-01	8	-0.2711E 01	-0.5888E-01	0.2298E-14
9	0.1129E 03	0.1796E 02	0.5566E-01	9	0.1254E-10	-0.2746E-11	0.1665E 00
10	0.1137E 03	0.1809E 02	0.5528E-01	10	-0.1042E 01	0.2282E 00	0.1750E-10
11	0.1190E 03	0.1894E 02	0.5279E-01	11	-0.1949E-01	0.1763E 01	-0.4975E-10
12	0.1276E 03	0.2031E 02	0.4924E-01	12	-0.8151E 00	-0.2350E 00	0.6045E-14

3.2 Response Analysis

Response of the equivalent model was determined by the response- spectrum technique. Computed nodal displacements and element forces (beams and springs) are tabulated in Tables 3-7 and 3-8, respectively. The computed element forces and moments (Table 3-8) were applied to the tributary walls. Axial and shear forces were distributed based upon the prorated areas and directional contribution (i.e., X-direction shear was distributed to X-direction walls). The moments were distributed based upon the stiffness (i.e., parallel walls shared the moments according to their inertias while walls in series resisted the full moments). Applied forces and moments and calculated axial, shear and flexural (tension on steel and compression on concrete due to the bending moment) stresses are tabulated in Table 3-9 (refer to Figures 3-2 to 3-6 for nodal displacements, element and wall identification).

The equivalent model was modified to assess whether the failure of wall 1Y (highest stresses were estimated for this wall, see Table 3-9) would effect progressive failure (i.e., effect failure of other walls due to load shifting) of the building. This assessment was performed by changing inertia properties of beams 2 and 3 (see Figure 3-2), redistributing the lumped masses of nodes 26 and 27 to 29, 30, 38, and 40 and computing responses of the modified model. Eigenfrequencies and participation factors of the modified model are listed in Table 3-10, and the nodal displacements, element forces, and moments are listed in Table 3-11.

COMPUTED NODAL DISPLACEMENT

N O D E NUMBER	D I S P L A C E M E N T S MODE NUMBER	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
1 TOTAL..		9.62520E-01	9.64966E-01	1.46009E-01	0.00000E-01	0.00000E-01	0.00000E-01
2 TOTAL..		9.67438E-01	9.69862E-01	1.46211E-01	0.00000E-01	0.00000E-01	0.00000E-01
3 TOTAL..		9.99138E-01	9.89900E-01	1.47014E-01	0.00000E-01	0.00000E-01	0.00000E-01
4 TOTAL..		1.01453E+00	1.00336E+00	1.47343E-01	0.00000E-01	0.00000E-01	0.00000E-01
5 TOTAL..		9.54265E-01	9.62144E-01	1.55457E-01	0.00000E-01	0.00000E-01	0.00000E-01
6 TOTAL..		9.65085E-01	9.67602E-01	1.55744E-01	0.00000E-01	0.00000E-01	0.00000E-01
7 TOTAL..		1.00048E+00	9.90400E-01	1.56390E-01	0.00000E-01	0.00000E-01	0.00000E-01
8 TOTAL..		1.00048E+00	9.90400E-01	1.56390E-01	0.00000E-01	0.00000E-01	0.00000E-01
9 TOTAL..		1.01485E+00	1.00355E+00	1.56793E-01	0.00000E-01	0.00000E-01	0.00000E-01
10 TOTAL..		9.71879E-01	9.65590E-01	1.97183E-01	0.00000E-01	0.00000E-01	0.00000E-01
11 TOTAL..		9.77150E-01	9.73803E-01	1.97550E-01	0.00000E-01	0.00000E-01	0.00000E-01
12 TOTAL..		1.00083E+00	9.91156E-01	1.98429E-01	0.00000E-01	0.00000E-01	0.00000E-01
13 TOTAL..		1.01366E+00	1.00225E+00	1.98940E-01	0.00000E-01	0.00000E-01	0.00000E-01
14 TOTAL..		9.68775E-01	9.74820E-01	2.17966E-01	0.00000E-01	0.00000E-01	0.00000E-01
15 TOTAL..		9.80051E-01	9.79241E-01	2.18372E-01	0.00000E-01	0.00000E-01	0.00000E-01
16 TOTAL..		1.00003E+00	9.91016E-01	2.19559E-01	0.00000E-01	0.00000E-01	0.00000E-01
17 TOTAL..		1.00003E+00	9.91016E-01	2.19559E-01	0.00000E-01	0.00000E-01	0.00000E-01
18 TOTAL..		1.01307E+00	9.99991E-01	2.20355E-01	0.00000E-01	0.00000E-01	0.00000E-01
19 TOTAL..		9.43000E-01	9.49401E-01	1.28341E-01	0.00000E-01	0.00000E-01	0.00000E-01
20 TOTAL..		9.51482E-01	9.57670E-01	1.28664E-01	0.00000E-01	0.00000E-01	0.00000E-01
21 TOTAL..		9.87090E-01	9.86166E-01	1.29151E-01	0.00000E-01	0.00000E-01	0.00000E-01
22 TOTAL..		9.49804E-01	9.52964E-01	1.28763E-01	0.00000E-01	0.00000E-01	0.00000E-01
23 TOTAL..		9.67029E-01	9.60545E-01	1.29152E-01	0.00000E-01	0.00000E-01	0.00000E-01
24 TOTAL..		9.83949E-01	9.86137E-01	1.29327E-01	0.00000E-01	0.00000E-01	0.00000E-01

TABLE 3-8

COMPUTED ELEMENT FORCES

RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)
OR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED:

1. FOR EACH EARTH QUAKE DIRECTION: THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
2. THE VALUE OF THAT STRESS.
3. IF REQUESTED: THE MODE BY MODE STRESSES FOR EACH EARTH QUAKE DIRECTION.
4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.

*(NOTE: THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

ELEMENT TYPE (B E A M)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221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TABLE 3-8
COMPUTED ELEMENT FORCES
(continued)

ELEMENT TYPE (B E A M)												
) / / / ELEMENT NUMBER (6)												
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
GRAND TOTAL	1.875E+05	5.709E+05	6.325E+05	0.000E-01	4.933E+07	4.453E+07	1.875E+05	6.325E+05	0.000E-01	4.933E+07	4.453E+07	
MAXIMUM	-2.613E-08	1.333E+04	3.866E+05	0.000E-01	3.016E+07	1.040E+07	3.866E+05	3.866E+05	0.000E-01	3.016E+07	1.040E+07	
MAXIMUM	-5.311E-08	2.022E+05	2.495E+04	0.000E-01	1.946E+06	5.311E-08	2.022E+05	2.495E+04	0.000E-01	1.946E+06	5.311E-08	
MAXIMUM	6.031E+04	1.226E-07	1.579E-07	0.000E-01	1.235E-05	9.560E-06	6.031E+04	1.226E-07	1.579E-07	0.000E-01	1.235E-05	
GRAND TOTAL	6.050E+04	2.042E+05	3.903E+05	0.000E-01	3.005E+07	1.593E+07	3.903E+05	3.903E+05	0.000E-01	3.005E+07	1.593E+07	
ELEMENT TYPE (B E A M)												
) / / / ELEMENT NUMBER (7)												
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
GRAND TOTAL	3.576E-09	4.147E+04	8.370E+05	0.000E-01	2.009E+07	9.952E+05	4.147E+04	8.370E+05	0.000E-01	2.009E+07	9.952E+05	
MAXIMUM	7.270E-09	8.421E+05	4.053E+04	0.000E-01	9.728E+05	7.270E-09	8.421E+05	4.053E+04	0.000E-01	9.728E+05	7.270E-09	
MAXIMUM	2.395E+05	4.767E-08	1.074E-09	0.000E-01	2.578E-08	1.144E-09	2.395E+05	4.767E-08	1.074E-09	2.578E-08	1.144E-09	
GRAND TOTAL	2.398E+05	8.481E+05	8.428E+05	0.000E-01	2.023E+07	2.035E+07	8.428E+05	8.428E+05	0.000E-01	2.023E+07	2.035E+07	
ELEMENT TYPE (B E A M)												
) / / / ELEMENT NUMBER (8)												
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
GRAND TOTAL	4.337E-08	2.814E+04	5.718E+05	0.000E-01	4.460E+07	2.195E+06	5.718E+05	5.718E+05	0.000E-01	4.460E+07	2.195E+06	
MAXIMUM	8.815E-08	5.594E+05	2.769E+04	0.000E-01	2.160E+06	4.337E-08	5.594E+05	2.769E+04	0.000E-01	2.160E+06	4.337E-08	
MAXIMUM	2.252E+05	5.832E-07	2.759E-08	0.000E-01	2.152E-06	4.549E-05	2.252E+05	5.832E-07	2.759E-08	2.152E-06	4.549E-05	
GRAND TOTAL	2.272E+05	5.635E+05	5.755E+05	0.000E-01	4.469E+07	4.395E+07	5.635E+05	5.635E+05	0.000E-01	4.469E+07	4.395E+07	
ELEMENT TYPE (B E A M)												
) / / / ELEMENT NUMBER (9)												
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
GRAND TOTAL	2.911E-08	2.572E+04	3.805E+05	0.000E-01	2.968E+07	2.006E+06	3.805E+05	3.805E+05	0.000E-01	2.968E+07	2.006E+06	
MAXIMUM	5.918E-08	4.616E+05	1.843E+04	0.000E-01	1.437E+06	3.601E+07	5.918E-08	4.616E+05	1.843E+04	3.601E+07	5.918E-08	
MAXIMUM	1.482E+05	9.734E-08	1.462E-08	0.000E-01	1.140E-06	7.592E-06	1.482E+05	9.734E-08	1.462E-08	7.592E-06	1.140E-06	
GRAND TOTAL	1.496E+05	4.654E+05	3.811E+05	0.000E-01	2.973E+07	3.630E+07	4.654E+05	4.654E+05	0.000E-01	2.973E+07	3.630E+07	
ELEMENT TYPE (B E A M)												
) / / / ELEMENT NUMBER (10)												
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
GRAND TOTAL	1.568E-08	3.974E+04	8.144E+05	0.000E-01	1.955E+07	9.538E+05	8.144E+05	8.144E+05	0.000E-01	1.955E+07	9.538E+05	
MAXIMUM	3.187E-08	8.207E+05	4.159E+04	0.000E-01	9.983E+05	1.970E+07	3.187E-08	8.207E+05	4.159E+04	1.970E+07	3.187E-08	
MAXIMUM	1.404E+05	3.763E-08	2.445E-09	0.000E-01	5.868E-08	9.032E-07	1.404E+05	3.763E-08	2.445E-09	9.032E-07	5.868E-08	
GRAND TOTAL	1.412E+05	8.260E+05	8.204E+05	0.000E-01	1.969E+07	1.982E+07	8.204E+05	8.204E+05	0.000E-01	1.969E+07	1.982E+07	
ELEMENT TYPE (B E A M)												
) / / / ELEMENT NUMBER (11)												
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
GRAND TOTAL	5.076E-08	5.698E+04	2.195E+05	0.000E-01	1.712E+07	4.444E+06	5.698E+04	5.698E+04	0.000E-01	1.712E+07	4.444E+06	
MAXIMUM	1.032E-07	4.542E+05	1.063E+04	0.000E-01	8.292E+05	3.543E+07	1.032E-07	4.542E+05	1.063E+04	8.292E+05	3.543E+07	

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TABLE 3-8
COMPUTED ELEMENT FORCES
(continued)

MAXIMUM	3.740E+04	1.823E-07	2.249E-08	0.000E-01	1.754E-06	1.422E-05	3.740E+04	1.823E-07	2.249E-08	0.000E-01	1.754E-06	1.422E-05	6
GRAND TOTAL	3.900E+04	4.638E+05	2.200E+05	0.000E-01	1.716E+07	3.617E+07	3.900E+04	4.638E+05	2.200E+05	0.000E-01	1.716E+07	3.617E+07	6
ELEMENT TYPE (B E A M)													
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	1.913E-08	3.987E+04	8.204E+05	0.000E-01	1.969E+07	9.569E+05	1.913E-08	3.987E+04	8.204E+05	0.000E-01	1.969E+07	9.569E+05	2
MAXIMUM	3.889E-08	8.233E+05	4.070E+04	0.000E-01	9.768E+05	1.976E+07	3.889E-08	8.233E+05	4.070E+04	0.000E-01	9.768E+05	1.976E+07	2
MAXIMUM	1.411E+05	1.861E-08	2.425E-09	0.000E-01	5.819E-08	4.468E-07	1.411E+05	1.861E-08	2.425E-09	0.000E-01	5.819E-08	4.468E-07	6
GRAND TOTAL	1.416E+05	8.291E+05	8.263E+05	0.000E-01	1.983E+07	1.983E+07	1.416E+05	8.291E+05	8.263E+05	0.000E-01	1.983E+07	1.983E+07	6
ELEMENT TYPE (B E A M)													
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	5.598E-08	2.814E+04	1.013E+06	0.000E-01	7.901E+07	2.195E+05	5.598E-08	2.814E+04	1.013E+06	0.000E-01	7.901E+07	2.195E+05	2
MAXIMUM	1.138E-07	5.811E+05	4.905E+04	0.000E-01	3.826E+06	4.532E+07	1.138E-07	5.811E+05	4.905E+04	0.000E-01	3.826E+06	4.532E+07	2
MAXIMUM	3.478E+04	1.382E-07	8.188E-08	0.000E-01	6.387E-06	1.078E-05	3.478E+04	1.382E-07	8.188E-08	0.000E-01	6.387E-06	1.078E-05	6
GRAND TOTAL	3.583E+04	5.825E+05	1.018E+06	0.000E-01	7.944E+07	3.583E+05	3.583E+04	5.825E+05	1.018E+06	0.000E-01	7.944E+07	3.583E+05	6
ELEMENT TYPE (B E A M)													
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	3.200E+04	8.973E-08	9.709E+04	0.000E-01	6.544E+07	6.048E-05	3.200E+04	8.973E-08	9.709E+04	0.000E-01	6.544E+07	6.048E-05	6
MAXIMUM	-1.757E+05	1.824E-07	4.018E+04	0.000E-01	2.708E+07	1.229E-04	1.757E+05	1.824E-07	4.018E+04	0.000E-01	2.708E+07	1.229E-04	6
MAXIMUM	4.051E-08	7.243E+04	4.540E-08	0.000E-01	3.060E-05	4.882E+07	4.051E-08	7.243E+04	4.540E-08	0.000E-01	3.060E-05	4.882E+07	3
GRAND TOTAL	1.818E+05	7.369E+04	1.087E+05	0.000E-01	7.329E+07	4.967E+07	1.818E+05	7.369E+04	1.087E+05	0.000E-01	7.329E+07	4.967E+07	6
ELEMENT TYPE (B E A M)													
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	2.377E+05	4.381E-10	3.934E+05	0.000E-01	2.652E+08	2.953E-07	2.377E+05	4.381E-10	3.934E+05	0.000E-01	2.652E+08	2.953E-07	6
MAXIMUM	-2.834E+05	8.905E-10	7.680E+04	0.000E-01	5.176E+07	6.002E-07	2.834E+05	8.905E-10	7.680E+04	0.000E-01	5.176E+07	6.002E-07	6
MAXIMUM	3.408E-07	3.418E+02	8.130E-08	0.000E-01	5.480E-05	2.304E+05	3.408E-07	3.418E+02	8.130E-08	0.000E-01	5.480E-05	2.304E+05	3
GRAND TOTAL	3.875E+05	3.480E+02	4.085E+05	0.000E-01	7.750E+08	7.366E+05	3.875E+05	3.480E+02	4.085E+05	0.000E-01	7.750E+08	7.366E+05	6
ELEMENT TYPE (B E A M)													
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	-3.217E+05	-2.030E-08	-6.741E+04	0.000E-01	3.622E+07	-1.090E-05	-3.217E+05	-2.030E-08	-6.741E+04	0.000E-01	3.622E+07	-1.090E-05	6
MAXIMUM	-1.558E+04	4.126E-08	1.975E+04	0.000E-01	1.061E+07	-2.217E-05	1.558E+04	4.126E-08	1.975E+04	0.000E-01	1.061E+07	-2.217E-05	6
MAXIMUM	3.648E-08	1.555E+04	1.843E-07	0.000E-01	9.900E-05	8.355E+06	3.648E-08	1.555E+04	1.843E-07	0.000E-01	9.900E-05	8.355E+06	4
GRAND TOTAL	3.225E+05	1.635E+04	7.215E+04	0.000E-01	3.876E+07	8.782E+06	3.225E+05	1.635E+04	7.215E+04	0.000E-01	3.876E+07	8.782E+06	6
ELEMENT TYPE (B E A M)													
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	4.265E+05	-2.829E-12	2.592E+04	0.000E-01	-1.393E+07	-1.520E-09	4.265E+05	-2.829E-12	2.592E+04	0.000E-01	-1.393E+07	-1.520E-09	6

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TABLE 3-8

COMPUTED ELEMENT FORCES
(continued)

ELEMENT TYPE (B E A M)		/ / /		ELEMENT NUMBER (18)		/ / /		ELEMENT NUMBER (19)		/ / /		ELEMENT NUMBER (20)		/ / /		ELEMENT NUMBER (21)		/ / /		ELEMENT NUMBER (22)		/ / /		ELEMENT NUMBER (23)						
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	
MAXIMUM	-5.151E+04	-5.750E+12	-1.782E+03	0.000E-01	0.000E-01	0.000E-01	5.750E+12	1.782E+03	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	-1.167E+05	2.221E-10	4.438E+05	0.000E-01	-3.360E+08	1.682E-07	0.000E-01	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	-1.298E+05	-1.095E-10	4.081E+04	0.000E-01	-3.230E+07	-8.668E-08
MAXIMUM	2.929E-07	2.551E+00	-7.393E-07	0.000E-01	3.972E-04	1.370E+03	-2.929E-07	-2.551E+00	7.393E-07	0.000E-01	3.972E-04	1.370E+03	MAXIMUM	-4.102E+05	4.515E-10	2.149E+04	0.000E-01	-1.627E+07	3.418E-07	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	2.765E+04	-10-1.833E+04	0.000E-01	1.451E+07	-1.762E-07	4.000E-01
GRAND TOTAL	4.350E+05	2.603E+00	2.627E+04	0.000E-01	1.411E+07	1.398E+03	4.350E+05	2.603E+00	2.627E+04	0.000E-01	1.411E+07	1.398E+03	GRAND TOTAL	-1.044E+06	-3.753E+02	-1.269E-08	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04
ELEMENT TYPE (B E A M)		/ / /		ELEMENT NUMBER (18)		/ / /		ELEMENT NUMBER (19)		/ / /		ELEMENT NUMBER (20)		/ / /		ELEMENT NUMBER (21)		/ / /		ELEMENT NUMBER (22)		/ / /		ELEMENT NUMBER (23)						
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	
MAXIMUM	1.176E+04	5.264E-08	-8.357E+03	0.000E-01	5.264E-05	-1.176E+04	-5.264E-08	8.357E+03	0.000E-01	5.264E-05	-1.176E+04	5.264E-08	MAXIMUM	-4.102E+05	4.515E-10	2.149E+04	0.000E-01	-1.627E+07	3.418E-07	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	-1.298E+05	-1.095E-10	4.081E+04	0.000E-01	-3.230E+07	-8.668E-08
MAXIMUM	-1.193E+05	1.070E-07	3.877E+03	0.000E-01	-2.935E+06	8.101E-05	1.193E+05	-1.070E-07	-3.877E+03	0.000E-01	-2.935E+06	8.101E-05	MAXIMUM	-1.044E+06	-3.753E+02	-1.269E-08	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04
MAXIMUM	-1.745E-07	-8.856E+04	-7.813E-08	0.000E-01	5.915E-05	-7.813E-08	8.856E+04	7.813E-08	0.000E-01	5.915E-05	-7.813E-08	8.856E+04	MAXIMUM	-1.044E+06	-3.753E+02	-1.269E-08	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04
GRAND TOTAL	1.212E+05	9.012E+04	9.634E+03	0.000E-01	7.294E+06	6.823E+07	1.212E+05	9.012E+04	9.634E+03	0.000E-01	7.294E+06	6.823E+07	GRAND TOTAL	-1.044E+06	-3.753E+02	-1.269E-08	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04
ELEMENT TYPE (B E A M)		/ / /		ELEMENT NUMBER (19)		/ / /		ELEMENT NUMBER (20)		/ / /		ELEMENT NUMBER (21)		/ / /		ELEMENT NUMBER (22)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)						
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	
MAXIMUM	-1.167E+05	2.221E-10	4.438E+05	0.000E-01	-3.360E+08	1.682E-07	0.000E-01	3.360E+08	1.682E-07	0.000E-01	3.360E+08	1.682E-07	MAXIMUM	-1.298E+05	-1.095E-10	4.081E+04	0.000E-01	-3.230E+07	-8.668E-08	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	-1.298E+05	-1.095E-10	4.081E+04	0.000E-01	-3.230E+07	-8.668E-08
MAXIMUM	-4.102E+05	4.515E-10	2.149E+04	0.000E-01	-1.627E+07	3.418E-07	0.000E-01	1.627E+07	3.418E-07	0.000E-01	1.627E+07	3.418E-07	MAXIMUM	1.758E+04	-5.212E-08	8.435E+03	0.000E-01	-6.677E+06	-4.126E-05	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	2.765E+04	-10-1.833E+04	0.000E-01	1.451E+07	-1.762E-07	4.000E-01
MAXIMUM	-1.044E+06	-3.753E+02	-1.269E-08	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	9.606E-06	-2.842E+05	0.000E-01	9.606E-06	-2.842E+05	MAXIMUM	9.422E-08	3.104E+04	-1.624E-07	0.000E-01	1.286E-07	0.000E-01	1.286E-07	0.000E-01	1.286E-07	0.000E-01	MAXIMUM	-2.944E-07	1.266E+02	-7.844E-07	0.000E-01	6.209E-04	1.002E+05
GRAND TOTAL	4.377E+05	3.817E+02	4.459E+05	0.000E-01	3.376E+08	2.890E+05	4.377E+05	3.817E+02	4.459E+05	0.000E-01	3.376E+08	2.890E+05	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04
ELEMENT TYPE (B E A M)		/ / /		ELEMENT NUMBER (20)		/ / /		ELEMENT NUMBER (21)		/ / /		ELEMENT NUMBER (22)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)						
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	
MAXIMUM	3.870E+04	-2.564E-08	1.051E+04	0.000E-01	-8.320E+06	-2.030E-05	-3.870E+04	2.564E-08	1.051E+04	0.000E-01	-8.320E+06	-2.030E-05	MAXIMUM	-1.758E+04	-5.212E-08	8.435E+03	0.000E-01	-6.677E+06	-4.126E-05	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	-2.944E-07	1.266E+02	-7.844E-07	0.000E-01	6.209E-04	1.002E+05
MAXIMUM	1.758E+04	-5.212E-08	8.435E+03	0.000E-01	-6.677E+06	-4.126E-05	-1.758E+04	5.212E-08	8.435E+03	0.000E-01	-6.677E+06	-4.126E-05	MAXIMUM	9.422E-08	3.104E+04	-1.624E-07	0.000E-01	1.286E-07	0.000E-01	1.286E-07	0.000E-01	1.286E-07	0.000E-01	MAXIMUM	-2.944E-07	1.266E+02	-7.844E-07	0.000E-01	6.209E-04	1.002E+05
MAXIMUM	9.422E-08	3.104E+04	-1.624E-07	0.000E-01	1.286E-07	0.000E-01	9.422E-08	3.104E+04	-1.624E-07	0.000E-01	1.286E-07	0.000E-01	MAXIMUM	1.356E+05	1.765E+02	4.645E+04	0.000E-01	3.677E+07	1.397E+05	0.000E-01	3.677E+07	1.397E+05	0.000E-01	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04
GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04
ELEMENT TYPE (B E A M)		/ / /		ELEMENT NUMBER (21)		/ / /		ELEMENT NUMBER (22)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)						
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	
MAXIMUM	-1.298E+05	-1.095E-10	4.081E+04	0.000E-01	-3.230E+07	-8.668E-08	1.298E+05	1.095E-10	4.081E+04	0.000E-01	-3.230E+07	-8.668E-08	MAXIMUM	-1.298E+05	-1.095E-10	4.081E+04	0.000E-01	-3.230E+07	-8.668E-08	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	-1.298E+05	-1.095E-10	4.081E+04	0.000E-01	-3.230E+07	-8.668E-08
MAXIMUM	2.765E+04	-2.226E-10	-1.833E+04	0.000E-01	1.451E+07	-1.762E-07	2.765E+04	2.226E-10	-1.833E+04	0.000E-01	1.451E+07	-1.762E-07	MAXIMUM	-2.944E-07	1.266E+02	-7.844E-07	0.000E-01	6.209E-04	1.002E+05	0.000E-01	6.209E-04	1.002E+05	0.000E-01	MAXIMUM	-2.944E-07	1.266E+02	-7.844E-07	0.000E-01	6.209E-04	1.002E+05
MAXIMUM	-2.944E-07	1.266E+02	-7.844E-07	0.000E-01	6.209E-04	1.002E+05	2.944E-07	-1.266E+02	7.844E-07	0.000E-01	6.209E-04	1.002E+05	MAXIMUM	1.356E+05	1.765E+02	4.645E+04	0.000E-01	3.677E+07	1.397E+05	0.000E-01	3.677E+07	1.397E+05	0.000E-01	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04
GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04	4.411E+04	GRAND TOTAL	4.411E+04	4.390E+04	1.415E+04	4.411E+04	4.390E+04	1.415E+04
ELEMENT TYPE (B E A M)		/ / /		ELEMENT NUMBER (22)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)						
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	
MAXIMUM	-3.021E+04	-1.512E-12	-5.478E+02	0.000E-01	5.439E+05	-1.502E-09	3.021E+04	1.512E-12	5.478E+02	0.000E-01	5.439E+05	-1.502E-09	MAXIMUM	-3.021E+04	-1.512E-12	5.478E+02	0.000E-01	5.439E+05	-1.502E-09	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	-3.021E+04	-1.512E-12	5.478E+02	0.000E-01	5.439E+05	-1.502E-09
MAXIMUM	1.338E+04	-3.074E-12	-2.690E+03	0.000E-01	2.670E+06	-3.052E-09	1.338E+04	3.074E-12	2.690E+03	0.000E-01	2.670E+06	-3.052E-09	MAXIMUM	1.338E+04	-3.074E-12	2.690E+03	0.000E-01	2.670E+06	-3.052E-09	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	1.338E+04	-3.074E-12	2.690E+03	0.000E-01	2.670E+06	-3.052E-09
MAXIMUM	4.017E-07	1.711E+00	-4.980E-07	0.000E-01	4.945E-04	0.000E-01	4.017E-07	1.711E+00	-4.980E-07	0.000E-01	4.945E-04	0.000E-01	MAXIMUM	4.017E-07	1.711E+00	-4.980E-07	0.000E-01	4.945E-04	0.000E-01	0.000E-01	0.000E-01	0.000E-01	0.000E-01	MAXIMUM	4.017E-07	1.711E+00	-4.980E-07	0.000E-01	4.945E-04	0.000E-01
GRAND TOTAL	3.432E+04	2.388E+00	3.268E+03	0.000E-01	3.244E+06	2.371E+03	3.432E+04	2.388E+00	3.268E+03	0.000E-01	3.244E+06	2.371E+03	GRAND TOTAL	3.432E+04	2.388E+00	3.268E+03	0.000E-01	3.244E+06	2.371E+03	0.000E-01	0.000E-01	0.000E-01	0.000E-01	GRAND TOTAL	3.432E+04	2.388E+00	3.268E+03	0.000E-01	3.244E+06	2.371E+03
ELEMENT TYPE (B E A M)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)		/ / /		ELEMENT NUMBER (23)						

TABLE 3-8
COMPUTED ELEMENT FORCES
(continued)

MAXIMUM	-1.203E+05	3.632E-08	-6.617E+04	0.000E-01	4.301E+07	2.361E-05	1.203E+05	6.617E+04	0.000E-01	0.000E-01	0.000E-01	0.000E-01	4.301E+07	2.361E-05	6
MAXIMUM	6.689E+04	7.383E-08	-2.835E+04	0.000E-01	1.843E+07	4.799E-05	-6.689E+04	-2.835E+04	0.000E-01	0.000E-01	0.000E-01	0.000E-01	1.843E+07	4.799E-05	6
MAXIMUM	3.273E-07	-1.882E+05	-2.479E-07	0.000E-01	1.611E-04	1.223E+08	3.273E-07	1.882E+05	-2.479E-07	0.000E-01	0.000E-01	0.000E-01	1.611E-04	1.223E+08	3
GRAND TOTAL	1.343E+05	1.950E+05	7.459E+04	0.000E-01	4.848E+07	1.267E+08	1.343E+05	7.459E+04	0.000E-01	0.000E-01	0.000E-01	0.000E-01	4.848E+07	1.267E+08	6
ELEMENT TYPE (B E A M)															
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)			
MAXIMUM	-8.314E+04	5.113E-10	-3.359E+04	0.000E-01	1.553E+07	2.364E-07	8.314E+04	-5.113E-10	3.359E+04	0.000E-01	1.553E+07	2.364E-07	6		
MAXIMUM	-3.383E+04	1.039E-09	-3.227E+04	0.000E-01	1.492E+07	4.806E-07	3.383E+04	-1.039E-09	3.227E+04	0.000E-01	1.492E+07	4.806E-07	6		
MAXIMUM	-6.347E-07	-2.527E+03	-1.521E-06	0.000E-01	7.035E-04	1.168E+06	-6.347E-07	-2.527E+03	-1.521E-06	0.000E-01	7.035E-04	1.168E+06	3		
GRAND TOTAL	9.347E+04	2.619E+03	4.902E+04	0.000E-01	2.267E+07	1.211E+06	9.347E+04	2.619E+03	4.902E+04	0.000E-01	2.267E+07	1.211E+06	6		
ELEMENT TYPE (B E A M)															
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)			
MAXIMUM	1.727E+05	1.400E-11	-2.854E+04	0.000E-01	1.320E+07	6.472E-09	-1.727E+05	-1.400E-11	2.854E+04	0.000E-01	1.320E+07	6.472E-09	6		
MAXIMUM	1.844E+04	2.845E-11	7.074E+04	0.000E-01	3.271E+07	1.316E-08	-1.844E+04	-2.845E-11	-7.074E+04	0.000E-01	-3.271E+07	1.316E-08	6		
MAXIMUM	-7.364E-08	-6.724E+01	-8.360E-07	0.000E-01	3.866E-04	3.109E+04	7.364E-08	6.724E+01	8.360E-07	0.000E-01	3.866E-04	3.109E+04	3		
GRAND TOTAL	1.757E+05	6.970E+01	7.894E+04	0.000E-01	3.650E+07	3.223E+04	1.757E+05	6.970E+01	7.894E+04	0.000E-01	3.650E+07	3.223E+04	6		
ELEMENT TYPE (B E A M)															
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)			
MAXIMUM	-6.171E+04	-6.706E-08	1.092E+04	0.000E-01	-5.706E+06	-3.505E-05	6.171E+04	-6.706E-08	1.092E+04	0.000E-01	-5.706E+06	-3.505E-05	6		
MAXIMUM	-9.246E+03	-1.363E-07	-4.721E+04	0.000E-01	2.467E+07	-7.124E-05	9.246E+03	1.363E-07	4.721E+04	0.000E-01	2.467E+07	-7.124E-05	6		
MAXIMUM	-2.091E-08	-1.395E+05	-2.162E-07	0.000E-01	1.130E-04	-7.288E+07	2.091E-08	1.395E+05	2.162E-07	0.000E-01	1.130E-04	-7.288E+07	3		
GRAND TOTAL	6.339E+04	1.444E+05	4.955E+04	0.000E-01	2.590E+07	7.569E+07	6.339E+04	1.444E+05	4.955E+04	0.000E-01	2.590E+07	7.569E+07	6		
ELEMENT TYPE (B E A M)															
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)			
MAXIMUM	9.653E+04	-4.373E-10	-2.368E+04	0.000E-01	1.238E+07	-2.285E-07	-9.653E+04	4.373E-10	2.368E+04	0.000E-01	1.238E+07	-2.285E-07	6		
MAXIMUM	-1.815E+04	-8.890E-10	1.012E+04	0.000E-01	-5.290E+06	-4.646E-07	1.815E+04	8.890E-10	-1.012E+04	0.000E-01	-5.290E+06	-4.646E-07	6		
MAXIMUM	-2.141E-07	-8.703E+02	-8.349E-07	0.000E-01	4.363E-04	5.948E+05	-2.141E-07	8.703E+02	8.349E-07	0.000E-01	4.363E-04	5.948E+05	3		
GRAND TOTAL	1.002E+05	9.042E+02	2.688E+04	0.000E-01	1.405E+07	4.725E+05	1.002E+05	9.042E+02	2.688E+04	0.000E-01	1.405E+07	4.725E+05	6		
ELEMENT TYPE (B E A M)															
	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)			
MAXIMUM	2.822E+04	-5.647E-12	-1.284E+04	0.000E-01	8.631E+06	-3.796E-09	-2.822E+04	5.647E-12	1.284E+04	0.000E-01	8.631E+06	-3.796E-09	6		
MAXIMUM	8.487E+04	-1.148E-11	7.489E+04	0.000E-01	-5.034E+07	-7.716E-09	-8.487E+04	1.148E-11	-7.489E+04	0.000E-01	-5.034E+07	-7.716E-09	6		
MAXIMUM	-3.803E-07	-1.099E+01	-4.835E-07	0.000E-01	3.250E-04	-7.391E+03	3.803E-07	1.099E+01	4.835E-07	0.000E-01	3.250E-04	-7.391E+03	3		
GRAND TOTAL	9.211E+04	1.142E+01	7.732E+04	0.000E-01	5.104E+07	7.674E+03	9.211E+04	1.142E+01	7.732E+04	0.000E-01	5.104E+07	7.674E+03	6		
ELEMENT TYPE (B E A M)															

TABLE 3-8
COMPUTED ELEMENT FORCES
(continued)

ELEMENT TYPE (B E A M)												
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	-7.879E-09	4.137E+04	-8.317E+05	0.000E-01	1.996E+07	9.929E+05	7.879E-09	-4.137E+04	8.317E+05	0.000E-01	1.996E+07	9.929E+05
MAXIMUM	-1.602E-08	8.335E+05	-4.027E+04	0.000E-01	9.666E+05	2.000E+07	1.602E-08	-8.335E+05	4.027E+04	0.000E-01	9.666E+05	2.000E+07
MAXIMUM	1.596E+05	-4.225E-08	8.048E-09	0.000E-01	-1.932E-07	-1.014E-06	-1.596E+05	4.225E-08	-8.048E-09	0.000E-01	-1.932E-07	-1.014E-06
GRAND TOTAL	1.606E+05	8.395E+05	8.374E+05	0.000E-01	2.010E+07	2.015E+07	1.606E+05	8.395E+05	8.374E+05	0.000E-01	2.010E+07	2.015E+07
ELEMENT TYPE (B E A M)												
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	-8.580E-08	4.455E+04	-6.655E+05	0.000E-01	5.191E+07	3.875E+06	8.580E-08	-4.455E+04	6.655E+05	0.000E-01	5.191E+07	3.875E+06
MAXIMUM	-1.744E-07	7.077E+05	4.010E+04	0.000E-01	-3.128E+06	5.520E+07	1.744E-07	-7.077E+05	-4.010E+04	0.000E-01	-3.128E+06	5.520E+07
MAXIMUM	1.372E+05	4.485E-07	-1.901E-07	0.000E-01	1.483E-05	3.498E-05	-1.372E+05	-4.485E-07	1.901E-07	0.000E-01	1.483E-05	3.498E-05
GRAND TOTAL	1.437E+05	7.142E+05	6.714E+05	0.000E-01	5.237E+07	5.571E+07	1.437E+05	7.142E+05	6.714E+05	0.000E-01	5.237E+07	5.571E+07
ELEMENT TYPE (B O U N D A R Y)												
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	-2.975E-08	1.319E+04	-2.865E+05	0.000E-01	2.235E+07	1.028E+06	2.975E-08	-1.319E+04	2.865E+05	0.000E-01	2.235E+07	1.028E+06
MAXIMUM	-6.047E-08	2.723E+05	2.181E+04	0.000E-01	-1.701E+06	2.124E+07	6.047E-08	-2.181E+04	-2.124E+06	0.000E-01	-1.701E+06	2.124E+07
MAXIMUM	4.661E+04	5.086E-07	6.208E-08	0.000E-01	-4.842E-06	3.967E-06	-4.661E+04	-5.086E-07	6.208E-08	0.000E-01	-4.842E-06	3.967E-06
GRAND TOTAL	4.884E+04	2.732E+05	2.898E+05	0.000E-01	2.260E+07	2.131E+07	4.884E+04	2.732E+05	2.898E+05	0.000E-01	2.260E+07	2.131E+07
ELEMENT TYPE (B O U N D A R Y)												
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	-4.026E+04	0.000E-01										
MAXIMUM	-8.314E+05	0.000E-01										
MAXIMUM	9.355E-09	0.000E-01										
GRAND TOTAL	8.371E+05	0.000E-01										
ELEMENT TYPE (B O U N D A R Y)												
P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	
MAXIMUM	-4.191E+04	0.000E-01										
MAXIMUM	-8.340E+05	0.000E-01										
MAXIMUM	-2.576E-08	0.000E-01										
GRAND TOTAL	8.401E+05	0.000E-01										

TABLE 3-8
COMPUTED ELEMENT FORCES
(continued)

ELEMENT TYPE (B O U N D A R Y	) / / /	ELEMENT NUMBER (4)
BDRY-F BDRY-M		
1 0		
MAXIMUM -8.398E+05 0.000E-01		
1 0		
MAXIMUM -4.067E+04 0.000E-01		
6 0		
MAXIMUM -3.545E-09 0.000E-01		
GRAND TOTAL 8.455E+05 0.000E-01		
ELEMENT TYPE (B O U N D A R Y	) / / /	ELEMENT NUMBER (5)
BDRY-F BDRY-M		
1 0		
MAXIMUM -4.147E+04 0.000E-01		
2 0		
MAXIMUM -8.421E+05 0.000E-01		
6 0		
MAXIMUM -4.767E-08 0.000E-01		
GRAND TOTAL 8.481E+05 0.000E-01		
ELEMENT TYPE (B O U N D A R Y	) / / /	ELEMENT NUMBER (6)
BDRY-F BDRY-M		
1 0		
MAXIMUM -8.370E+05 0.000E-01		
1 0		
MAXIMUM -4.053E+04 0.000E-01		
10 0		
MAXIMUM 1.074E-09 0.000E-01		
GRAND TOTAL 8.428E+05 0.000E-01		
ELEMENT TYPE (B O U N D A R Y	) / / /	ELEMENT NUMBER (7)
BDRY-F BDRY-M		
2 0		
MAXIMUM -3.974E+04 0.000E-01		
2 0		
MAXIMUM -8.207E+05 0.000E-01		
6 0		
MAXIMUM 3.763E-08 0.000E-01		
GRAND TOTAL 8.260E+05 0.000E-01		
ELEMENT TYPE (B O U N D A R Y	) / / /	ELEMENT NUMBER (8)
BDRY-F BDRY-M		
1 0		
MAXIMUM -8.144E+05 0.000E-01		
2 0		
MAXIMUM 4.159E+04 0.000E-01		
6 0		
MAXIMUM 2.445E-09 0.000E-01		
GRAND TOTAL 8.204E+05 0.000E-01		
ELEMENT TYPE (B O U N D A R Y	) / / /	ELEMENT NUMBER (9)
BDRY-F BDRY-M		
2 0		
MAXIMUM -3.987E+04 0.000E-01		
2 0		
MAXIMUM -8.233E+05 0.000E-01		
6 0		
MAXIMUM 1.861E-08 0.000E-01		
GRAND TOTAL 8.291E+05 0.000E-01		
ELEMENT TYPE (B O U N D A R Y	) / / /	ELEMENT NUMBER (10)
BDRY-F BDRY-M		
1 0		
MAXIMUM -8.204E+05 0.000E-01		
2 0		
MAXIMUM 4.070E+04 0.000E-01		
6 0		
MAXIMUM -2.425E-09 0.000E-01		
GRAND TOTAL 8.263E+05 0.000E-01		
ELEMENT TYPE (B O U N D A R Y	) / / /	ELEMENT NUMBER (11)

TABLE 3-8

COMPUTED ELEMENT FORCES
(concluded)

	BDRY-F	BDRY-M	
	9	0	
MAXIMUM	3.009E-09	0.000E-01	
	6	0	
MAXIMUM	-3.167E-09	0.000E-01	
	3	0	
MAXIMUM	-1.709E+05	0.000E-01	
GRAND TOTAL	1.710E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y) / / / ELEMENT NUMBER (12)			
	BDRY-F	BDRY-M	
	6	0	
MAXIMUM	7.312E-09	0.000E-01	
	6	0	
MAXIMUM	1.486E-08	0.000E-01	
	3	0	
MAXIMUM	-2.168E+05	0.000E-01	
GRAND TOTAL	2.169E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y) / / / ELEMENT NUMBER (13)			
	BDRY-F	BDRY-M	
	6	0	
MAXIMUM	-3.576E-09	0.000E-01	
	6	0	
MAXIMUM	-7.270E-09	0.000E-01	
	3	0	
MAXIMUM	-2.395E+05	0.000E-01	
GRAND TOTAL	2.398E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y) / / / ELEMENT NUMBER (14)			
	BDRY-F	BDRY-M	
	6	0	
MAXIMUM	-1.568E-08	0.000E-01	
	6	0	
MAXIMUM	-3.187E-08	0.000E-01	
	3	0	
MAXIMUM	-1.404E+05	0.000E-01	
GRAND TOTAL	1.412E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y) / / / ELEMENT NUMBER (15)			
	BDRY-F	BDRY-M	
	6	0	
MAXIMUM	-1.913E-08	0.000E-01	
	6	0	
MAXIMUM	-3.889E-08	0.000E-01	
	3	0	
MAXIMUM	-1.411E+05	0.000E-01	
GRAND TOTAL	1.416E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y) / / / ELEMENT NUMBER (16)			
	BDRY-F	BDRY-M	
	1	0	
MAXIMUM	-4.137E+04	0.000E-01	
	2	0	
MAXIMUM	-8.335E+05	0.000E-01	
	6	0	
MAXIMUM	4.225E-08	0.000E-01	
GRAND TOTAL	8.395E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y) / / / ELEMENT NUMBER (17)			
	BDRY-F	BDRY-M	
	1	0	
MAXIMUM	-8.317E+05	0.000E-01	
	1	0	
MAXIMUM	-4.027E+04	0.000E-01	
	6	0	
MAXIMUM	8.048E-09	0.000E-01	
GRAND TOTAL	8.374E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y) / / / ELEMENT NUMBER (18)			
	BDRY-F	BDRY-M	
	6	0	
MAXIMUM	7.879E-09	0.000E-01	
	6	0	
MAXIMUM	1.602E-08	0.000E-01	
	3	0	
MAXIMUM	-1.596E+05	0.000E-01	
GRAND TOTAL	1.606E+05	0.000E-01	

TABLE 3-9

CALCULATED WALL STRESSES

Beam	Wall	Percent Stiffness	Axial		Shear		Moment k-in	Moment	
			Force k	Stress ksi	Force k	Stress ksi		Steel ksi	Concrete ksi
2	1Y	80	72.	0.003	487.	0.060	3.8E4 "F"	217.	56.
	1X	50	72.	0.003	257.	0.040	2.0E4	1.1	0.16
3	1X	100	39.	0.002	175.	0.027	1.4E4	0.7	0.11
	1Y	100	39.	0.002	293.	0.087	2.3E4 "B"	104.	26.
5	6X, 10X	50	187.	0.007	632.	0.08	4.9E4	5.6	0.86
	6Y	100	187.	0.007	571.	0.06	4.5E4	2.9	0.7
6	19X	87	61.	0.004	390.	0.136	3.1E4	2.0	0.51
	6Y&7Y	100	61.	0.004	204.	0.03	1.6E4 "B"	0.7	0.16
8*	18X	58	227.	0.009	576.	0.080	5.1E4	0.11	0.03
	12Y	99	227.	0.007	563.	0.069	4.4E4	0.8	0.21
9*	18X	100	149.	0.013	381.	0.130	3.0E4	0.16	0.07
	12Y	100	149.	0.008	465.	0.08	3.6E4	0.49	0.13
11	2X	29	39.	0.002	220.	0.04	1.7E4	1.0	0.27
	17Y	87	39.	0.002	463.	0.06	3.7E4	0.32	0.08
12	2X	84	141.	0.005	826.	0.09	2.0E4	0.32	0.10
	17Y	94	141.	0.005	829.	0.084	2.0E4	0.11	0.03
14	17X	99	182.	0.015	108.	0.030	7.3E4 "G"	15.4	4.0
	3Y	99	182.	0.015	74.	0.015	5.0E4 "C"	2.1	0.53
16	17X	100	322.	0.010	16.	0.01	3.9E4	1.4	0.4
	7Y	100	322.	0.010	72.	0.01	8.8E3	0.5	0.1

* Shear and moments for wall 18X were obtained by summation of 8 + 11 and 9 + 12.

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TABLE 3-10FREQUENCIES AND PARTICIPATION FACTORS
AFTER 1Y FAILURE

PRINT OF FREQUENCIES

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)
1	0.1181E 02	0.1880E 01	0.5319E 00
2	0.1187E 02	0.1889E 01	0.5293E 00
3	0.2585E 02	0.4114E 01	0.2431E 00
4	0.5355E 02	0.8522E 01	0.1173E 00
5	0.7656E 02	0.1218E 02	0.8207E-01
6	0.8482E 02	0.1350E 02	0.7408E-01
7	0.8826E 02	0.1405E 02	0.7119E-01
8	0.1095E 03	0.1743E 02	0.5737E-01
9	0.1151E 03	0.1832E 02	0.5459E-01
10	0.1207E 03	0.1921E 02	0.5206E-01
11	0.1269E 03	0.2019E 02	0.4952E-01
12	0.1325E 03	0.2108E 02	0.4744E-01

MODAL PARTICIPATION FACTORS

MODE	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	-0.1730E 03	-0.9633E 01	0.1022E-40
2	0.9634E 01	-0.1730E 03	0.2171E-11
3	-0.7552E-11	-0.1215E-11	0.8359E 02
4	0.2213E-10	0.4691E-11	-0.1651E 02
5	-0.2736E 01	-0.5231E 00	0.7202E-12
6	0.5675E-11	-0.9728E-11	-0.1462E 01
7	0.9198E 00	-0.1577E 01	0.2285E-12
8	-0.8626E 00	-0.5492E 00	0.3197E-15
9	0.4281E 00	-0.1302E 01	0.2199E-13
10	0.5122E 00	0.4605E 00	-0.7176E-12
11	-0.1078E-08	0.1592E-08	-0.3043E 00
12	-0.3528E 00	0.5212E 00	-0.3014E-10

TABLE 3-11
COMPUTED ELEMENT FORCES AFTER 1Y FAILURE

INODE NUMBER	D MODE NUMBER	DISPLACEMENTS / ROTATIONS			X- ROTATION	Y- ROTATION	Z- ROTATION
		X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION			
1	TOTAL..	0.00000E-01	0.00000E-01	0.00000E-01	0.00000E-01	0.00000E-01	0.00000E-01
2	TOTAL..	1.09531E+00	1.09747E+00	1.35242E-01	0.00000E-01	0.00000E-01	0.00000E-01
3	TOTAL..	1.13466E+00	1.12425E+00	1.35834E-01	0.00000E-01	0.00000E-01	0.00000E-01
4	TOTAL..	1.15316E+00	1.14055E+00	1.36202E-01	0.00000E-01	0.00000E-01	0.00000E-01
5	TOTAL..	1.08303E+00	1.09128E+00	1.34994E-01	0.00000E-01	0.00000E-01	0.00000E-01
6	TOTAL..	1.09531E+00	1.09747E+00	1.35242E-01	0.00000E-01	0.00000E-01	0.00000E-01
7	TOTAL..	1.13466E+00	1.12425E+00	1.35834E-01	0.00000E-01	0.00000E-01	0.00000E-01
8	TOTAL..	1.13466E+00	1.12425E+00	1.35834E-01	0.00000E-01	0.00000E-01	0.00000E-01
9	TOTAL..	1.15316E+00	1.14055E+00	1.36202E-01	0.00000E-01	0.00000E-01	0.00000E-01
10	TOTAL..	1.10019E+00	1.09252E+00	1.78430E-01	0.00000E-01	0.00000E-01	0.00000E-01
11	TOTAL..	1.10616E+00	1.10181E+00	1.78763E-01	0.00000E-01	0.00000E-01	0.00000E-01
12	TOTAL..	1.13430E+00	1.12254E+00	1.79590E-01	0.00000E-01	0.00000E-01	0.00000E-01
13	TOTAL..	1.15054E+00	1.13624E+00	1.80071E-01	0.00000E-01	0.00000E-01	0.00000E-01
14	TOTAL..	1.09596E+00	1.10189E+00	1.99533E-01	0.00000E-01	0.00000E-01	0.00000E-01
15	TOTAL..	1.10872E+00	1.10689E+00	1.99904E-01	0.00000E-01	0.00000E-01	0.00000E-01
16	TOTAL..	1.13299E+00	1.12133E+00	2.01035E-01	0.00000E-01	0.00000E-01	0.00000E-01
17	TOTAL..	1.13299E+00	1.12133E+00	2.01035E-01	0.00000E-01	0.00000E-01	0.00000E-01
18	TOTAL..	1.14829E+00	1.13192E+00	2.01794E-01	0.00000E-01	0.00000E-01	0.00000E-01
19	TOTAL..	1.06743E+00	1.07510E+00	1.16915E-01	0.00000E-01	0.00000E-01	0.00000E-01
20	TOTAL..	1.07703E+00	1.08447E+00	1.17209E-01	0.00000E-01	0.00000E-01	0.00000E-01
21	TOTAL..	1.11906E+00	1.11906E+00	1.17675E-01	0.00000E-01	0.00000E-01	0.00000E-01
22	TOTAL..	1.07613E+00	1.08023E+00	1.15521E-01	0.00000E-01	0.00000E-01	0.00000E-01
23	TOTAL..	1.09565E+00	1.08882E+00	1.15873E-01	0.00000E-01	0.00000E-01	0.00000E-01
24	TOTAL..	1.11540E+00	1.11893E+00	1.16039E-01	0.00000E-01	0.00000E-01	0.00000E-01

TABLE 3-11
COMPUTED ELEMENT FORCES AFTER 1Y FAILURE
(continued)

REQUIRED BLANK COMMON FOR THIS STEP= 1273

RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

FOR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED:

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
2. THE VALUE OF THAT STRESS.
3. IF REQUESTED; THE MODE BY WHICH STRESSES FOR EACH EARTH QUAKE DIRECTION.
4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.

*(NOTE: THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (1)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
11	2	1	0	1	1	11	2	1	0	1	1
MAXIMUM	-1.965E-07	-5.238E+04	9.337E+05	0.000E-01	-2.241E+07	-1.257E+06	1.965E-07	5.238E+04	-9.337E+05	0.000E-01	-2.241E+07
	11	2	1	0	1	11	2	1	0	1	1
MAXIMUM	-2.901E-07	-9.408E+05	5.198E+04	0.000E-01	-1.248E+06	-2.758E+07	2.901E-07	9.408E+05	-5.198E+04	0.000E-01	-1.248E+06
	3	3	0	0	0	3	3	0	0	0	0
MAXIMUM	-1.482E+05	-1.169E-07	4.143E-07	0.000E-01	-9.942E-06	-2.806E-06	1.482E+05	1.169E-07	4.143E-07	0.000E-01	-9.942E-06
GRAND TOTAL	1.485E+05	9.494E+05	9.427E+05	0.000E-01	2.261E+07	2.279E+07	1.485E+05	9.494E+05	9.427E+05	0.000E-01	2.261E+07
2.279E+07											
ELEMENT TYPE (B E A M)	/	/	/	/	/	ELEMENT NUMBER (2)					

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
11	2	1	0	1	1	11	2	1	0	1	1
MAXIMUM	-2.298E-06	-4.950E+04	2.831E+05	0.000E-01	-2.208E+07	-3.861E+06	2.298E-06	4.950E+04	-2.831E+05	0.000E-01	-2.208E+07
	11	2	1	0	1	11	2	1	0	1	1
MAXIMUM	-3.393E-06	-5.632E+05	1.730E+04	0.000E-01	1.349E+06	-4.393E+07	3.393E-06	5.632E+05	1.730E+04	0.000E-01	1.349E+06
	3	3	0	0	0	3	3	0	0	0	0
MAXIMUM	-6.524E+04	2.623E-06	3.914E-06	0.000E-01	3.053E-04	2.046E-04	6.524E+04	-2.623E-06	3.914E-06	0.000E-01	3.053E-04
GRAND TOTAL	6.709E+04	5.718E+05	2.861E+05	0.000E-01	2.231E+07	4.460E+07	6.709E+04	5.718E+05	2.861E+05	0.000E-01	2.231E+07
4.460E+07											
ELEMENT TYPE (B E A M)	/	/	/	/	/	ELEMENT NUMBER (3)					

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
11	2	1	0	1	1	11	2	1	0	1	1
MAXIMUM	-1.349E-06	2.007E+04	-2.225E+05	0.000E-01	1.736E+07	1.565E+06	1.349E-06	-2.007E+04	2.225E+05	0.000E-01	1.736E+07
	11	2	1	0	1	11	2	1	0	1	1
MAXIMUM	-1.993E-06	3.605E+05	2.192E+04	0.000E-01	-1.709E+06	-2.812E+07	1.993E-06	-3.605E+05	-2.192E+04	0.000E-01	-1.709E+06
	3	3	0	0	0	3	3	0	0	0	0
MAXIMUM	-3.580E+04	-1.351E-06	2.161E-06	0.000E-01	-1.685E-04	-1.054E-04	3.580E+04	1.351E-06	2.161E-06	0.000E-01	-1.685E-04
GRAND TOTAL	3.694E+04	3.628E+05	2.264E+05	0.000E-01	1.766E+07	2.830E+07	3.694E+04	3.628E+05	2.264E+05	0.000E-01	1.766E+07
2.830E+07											
ELEMENT TYPE (B E A M)	/	/	/	/	/	ELEMENT NUMBER (4)					

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
11	2	1	0	1	1	11	2	1	0	1	1
MAXIMUM	3.752E-08	-5.452E+04	9.486E+05	0.000E-01	-2.277E+07	-1.309E+06	3.752E-08	-5.452E+04	9.486E+05	0.000E-01	-2.277E+07
	11	2	1	0	1	11	2	1	0	1	1
MAXIMUM	-6.690E-08	-9.414E+05	5.281E+04	0.000E-01	-1.267E+06	-2.259E+07	6.690E-08	9.414E+05	-5.281E+04	0.000E-01	-1.267E+06
	3	3	0	0	0	3	3	0	0	0	0
MAXIMUM	-1.963E+05	6.869E-08	2.165E-08	0.000E-01	-5.196E-07	1.648E-06	1.963E+05	-6.869E-08	2.165E-08	0.000E-01	-5.196E-07
GRAND TOTAL	1.963E+05	9.505E+05	9.572E+05	0.000E-01	2.297E+07	2.281E+07	1.963E+05	9.505E+05	9.572E+05	0.000E-01	2.297E+07
2.281E+07											
ELEMENT TYPE (B E A M)	/	/	/	/	/	ELEMENT NUMBER (5)					

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
11	2	1	0	1	1	11	2	1	0	1	1
MAXIMUM	9.226E-07	-3.765E+04	7.413E+05	0.000E-01	-5.782E+07	-2.937E+06	9.226E-07	-3.765E+04	7.413E+05	0.000E-01	-5.782E+07
	11	2	1	0	1	11	2	1	0	1	1
MAXIMUM	1.362E-06	-6.763E+05	-6.002E+04	0.000E-01	4.682E+06	-5.275E+07	1.362E-06	6.763E+05	6.002E+04	0.000E-01	4.682E+06
	3	3	0	0	0	3	3	0	0	0	0
MAXIMUM	-1.763E+05	-1.233E-06	-2.763E-06	0.000E-01	2.155E-04	-9.616E-05	1.763E+05	1.233E-06	2.763E-06	0.000E-01	2.155E-04
	3	3	0	0	0	3	3	0	0	0	0

TABLE 3-11
COMPUTED ELEMENT FORCES AFTER IV FAILURE
(CONTINUED)

GRAND TOTAL 1.763E+05 6.774E+05 7.516E+05 0.000E-01 5.862E+07 5.284E+07 1.763E+05 6.774E+05 7.516E+05 0.000E-01 5.862E+07													
ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (6)													
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)		
11	2	1	0	0	2	11	2	1	0	0	2		
MAXIMUM	3.133E-07-1.394E+04	4.863E+05	0.000E-01-3.793E+07-1.087E+06-3.133E-07	1.394E+04-4.863E+05	0.000E-01-3.793E+07-1.087E+06	2	11	2	0	0	2		
MAXIMUM	4.626E-07-2.503E+04	5.08E+04	0.000E-01-3.516E+05-1.953E+07-4.626E-07	2.503E+04-5.08E+04	0.000E-01-3.516E+05-1.953E+07	2	11	2	0	0	2		
MAXIMUM	-5.692E+04	4.830E-07-4.073E-06	0.000E-01-3.177E-04	3.767E-05	5.692E+04-4.830E-07	3	11	3	0	0	3		
GRAND TOTAL	5.692E+04	4.830E-07-4.073E-06	0.000E-01-3.177E-04	3.767E-05	5.692E+04-4.830E-07	3	11	3	0	0	3		
1.966E+07	2.521E+05	4.942E+05	0.000E-01-3.855E+07	1.966E+07	2.521E+05	4.942E+05	0.000E-01-3.855E+07	1.966E+07	2.521E+05	4.942E+05	0.000E-01-3.855E+07		
ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (7)													
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)		
11	2	1	0	0	2	11	2	1	0	0	2		
MAXIMUM	-2.915E-08-5.449E+04	9.449E+05	0.000E-01-2.268E+07-1.308E+06	2.915E-08	5.449E+04-9.449E+05	2	11	2	0	0	2		
MAXIMUM	-7.478E-08-9.496E+05	5.260E+04	0.000E-01-1.263E+06-2.279E+07	7.478E-08	9.496E+05-5.260E+04	2	11	2	0	0	2		
MAXIMUM	-2.194E+05	6.656E-08-4.270E-08	0.000E-01-1.025E-06	1.597E-06	2.194E+05-6.656E-08	3	11	3	0	0	3		
GRAND TOTAL	2.194E+05	6.656E-08-4.270E-08	0.000E-01-1.025E-06	1.597E-06	2.194E+05-6.656E-08	3	11	3	0	0	3		
2.301E+07	9.586E+05	9.535E+05	0.000E-01-2.288E+07	2.301E+07	9.586E+05	9.535E+05	0.000E-01-2.288E+07	2.301E+07	9.586E+05	9.535E+05	0.000E-01-2.288E+07		
ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (8)													
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)		
11	2	1	0	0	2	11	2	1	0	0	2		
MAXIMUM	-1.764E-07-4.242E+04	6.930E+05	0.000E-01-5.408E+07-3.309E+06	1.764E-07	4.242E+04-6.930E+05	2	11	2	0	0	2		
MAXIMUM	-2.605E-07-6.841E+05	3.860E+04	0.000E-01-3.011E+06-5.336E+07	2.605E-07	6.841E+05-3.860E+04	2	11	2	0	0	2		
MAXIMUM	-2.151E+05-5.738E-07-1.187E-06	0.000E-01-9.255E-05	4.751E-05	2.151E+05	5.738E-07-1.187E-06	3	11	3	0	0	3		
GRAND TOTAL	2.151E+05	5.738E-07-1.187E-06	0.000E-01-9.255E-05	4.751E-05	2.151E+05	5.738E-07-1.187E-06	3	11	3	0	0	3	
5.392E+07	6.912E+05	6.989E+05	0.000E-01-5.452E+07	5.392E+07	6.912E+05	6.989E+05	0.000E-01-5.452E+07	5.392E+07	6.912E+05	6.989E+05	0.000E-01-5.452E+07		
ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (9)													
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)		
11	2	1	0	0	2	11	2	1	0	0	2		
MAXIMUM	-1.205E-07-4.075E+04	4.472E+05	0.000E-01-3.488E+07-3.179E+06	1.205E-07	4.075E+04-4.472E+05	2	11	2	0	0	2		
MAXIMUM	-1.779E-07-5.422E+05	2.489E+04	0.000E-01-1.942E+06-4.229E+07	1.779E-07	5.422E+05-2.489E+04	2	11	2	0	0	2		
MAXIMUM	-1.416E+05	6.257E-07-3.093E-06	0.000E-01-2.412E-04	4.880E-05	1.416E+05-6.257E-07	3	11	3	0	0	3		
GRAND TOTAL	1.416E+05	6.257E-07-3.093E-06	0.000E-01-2.412E-04	4.880E-05	1.416E+05-6.257E-07	3	11	3	0	0	3		
4.283E+07	5.491E+05	4.482E+05	0.000E-01-2.229E+07	4.283E+07	5.491E+05	4.482E+05	0.000E-01-2.229E+07	4.283E+07	5.491E+05	4.482E+05	0.000E-01-2.229E+07		
ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (10)													
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)		
11	2	1	0	0	2	11	2	1	0	0	2		
MAXIMUM	9.259E-08-5.164E+04	9.197E+05	0.000E-01-2.207E+07-1.239E+06-9.259E-08	5.164E+04-9.197E+05	0.000E-01-2.207E+07-1.239E+06	2	11	2	0	0	2		
MAXIMUM	1.367E-07-9.275E+05-5.387E+04	0.000E-01-1.293E+06-2.226E+07	1.367E-07	9.275E+05	5.387E+04	2	11	2	0	0	2		
MAXIMUM	-1.281E+05-5.878E-08	1.660E-07	0.000E-01-3.983E-06	1.281E+05	5.878E-08	3	11	3	0	0	3		
GRAND TOTAL	1.281E+05	5.878E-08	0.000E-01-3.983E-06	1.281E+05	5.878E-08	3	11	3	0	0	3		
2.245E+07	9.353E+05	9.287E+05	0.000E-01-2.229E+07	2.245E+07	9.353E+05	9.287E+05	0.000E-01-2.229E+07	2.245E+07	9.353E+05	9.287E+05	0.000E-01-2.229E+07		
ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (11)													
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)		
11	2	1	0	0	2	11	2	1	0	0	2		
MAXIMUM	6.674E-07-7.102E+04	2.585E+05	0.000E-01-2.017E+07-5.540E+06-6.674E-07	7.102E+04-2.585E+05	0.000E-01-2.017E+07-5.540E+06	2	11	2	0	0	2		
MAXIMUM	9.855E-07-5.496E+05	1.439E+04	0.000E-01-1.123E+06-4.287E+07-9.855E-07	5.496E+05-1.439E+04	0.000E-01-1.123E+06-4.287E+07	2	11	2	0	0	2		

TABLE 3-11
COMPUTED ELEMENT FORCES AFTER IV FAILURE
(continued)

ELEMENT TYPE (B E A M)																							ELEMENT NUMBER (12)																							ELEMENT NUMBER (13)																							ELEMENT NUMBER (14)																							ELEMENT NUMBER (15)																							ELEMENT NUMBER (16)																							ELEMENT NUMBER (17)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)	P1(J)	V2(J)	V3(J)

TABLE 3-11
COMPUTED ELEMENT FORCES AFTER 1Y FAILURE
(continued)

MAXIMUM	8.662E+04	1.502E-11	9.424E+03	0.000E-01	5.063E+06	-8.070E-09	8.662E+04	1.502E-11	9.424E+03	0.000E-01	5.063E+06	-8.070E-09
MAXIMUM	1.908E-06	1.659E+00	-1.233E-07	0.000E-01	6.626E-05	-8.913E+02	-1.908E-06	1.659E+00	-1.233E-07	0.000E-01	6.626E-05	-8.913E+02
GRAND TOTAL	5.631E+05	1.663E+00	2.208E+04	0.000E-01	1.186E+07	8.933E+02	5.631E+05	1.663E+00	2.208E+04	0.000E-01	1.186E+07	8.933E+02
ELEMENT TYPE (B E A M)												
MAXIMUM	8.051E+03	9.146E-07	-2.507E+03	0.000E-01	1.898E+06	6.924E-04	-8.051E+03	9.146E-07	-2.507E+03	0.000E-01	1.898E+06	6.924E-04
MAXIMUM	1.446E+05	1.351E-06	9.611E+03	0.000E-01	7.276E+06	1.023E-03	1.446E+05	1.351E-06	9.611E+03	0.000E-01	7.276E+06	1.023E-03
MAXIMUM	1.141E-06	6.451E+04	-1.741E-06	0.000E-01	3.318E-03	4.884E+07	-1.141E-06	6.451E+04	-1.741E-06	0.000E-01	3.318E-03	4.884E+07
GRAND TOTAL	1.449E+05	6.519E+04	1.001E+04	0.000E-01	7.579E+06	4.936E+07	1.449E+05	6.519E+04	1.001E+04	0.000E-01	7.579E+06	4.936E+07
ELEMENT TYPE (B E A M)												
MAXIMUM	2.022E+05	4.138E-09	-5.179E+05	0.000E-01	3.921E+08	3.133E-06	-2.022E+05	4.138E-09	-5.179E+05	0.000E-01	3.921E+08	3.133E-06
MAXIMUM	4.997E+05	6.110E-09	-2.883E+04	0.000E-01	2.183E+07	4.626E-06	4.997E+05	6.110E-09	-2.883E+04	0.000E-01	2.183E+07	4.626E-06
MAXIMUM	-1.888E-06	2.745E+02	2.526E-06	0.000E-01	9.131E-03	2.078E+05	-1.888E-06	2.745E+02	2.526E-06	0.000E-01	9.131E-03	2.078E+05
GRAND TOTAL	5.604E+05	2.771E+02	5.213E+05	0.000E-01	3.947E+08	2.098E+05	5.604E+05	2.771E+02	5.213E+05	0.000E-01	3.947E+08	2.098E+05
ELEMENT TYPE (B E A M)												
MAXIMUM	-4.014E-07	-2.033E-20	-7.451E-09	0.000E-01	-1.144E-05	-1.041E-17	-4.014E-07	-2.033E-20	-7.451E-09	0.000E-01	-1.144E-05	-1.041E-17
MAXIMUM	-3.725E-08	-2.711E-20	-5.960E-08	0.000E-01	-9.155E-05	-1.388E-17	-3.725E-08	-2.711E-20	-5.960E-08	0.000E-01	-9.155E-05	-1.388E-17
MAXIMUM	-1.897E-19	-1.118E-08	-1.355E-20	0.000E-01	-6.939E-18	-1.144E-05	-1.897E-19	-1.118E-08	-1.355E-20	0.000E-01	-6.939E-18	-1.144E-05
GRAND TOTAL	4.074E-07	1.119E-08	6.079E-08	0.000E-01	9.362E-05	1.145E-05	4.074E-07	1.119E-08	6.079E-08	0.000E-01	9.362E-05	1.145E-05
ELEMENT TYPE (B E A M)												
MAXIMUM	-1.840E-06	-7.941E-23	-4.470E-08	0.000E-01	-3.405E-02	-4.066E-20	-1.840E-06	-7.941E-23	-4.470E-08	0.000E-01	-3.405E-02	-4.066E-20
MAXIMUM	-3.278E-07	-1.059E-22	-4.768E-07	0.000E-01	-2.441E-04	-8.132E-20	-3.278E-07	-1.059E-22	-4.768E-07	0.000E-01	-2.441E-04	-8.132E-20
MAXIMUM	-1.749E-19	-5.821E-11	-1.355E-20	0.000E-01	-6.939E-18	-1.144E-05	-1.749E-19	-5.821E-11	-1.355E-20	0.000E-01	-6.939E-18	-1.144E-05
GRAND TOTAL	1.907E-06	5.821E-11	4.863E-07	0.000E-01	2.535E-04	4.471E-08	1.907E-06	5.821E-11	4.863E-07	0.000E-01	2.535E-04	4.471E-08
ELEMENT TYPE (B E A M)												
MAXIMUM	-1.431E-06	-8.272E-29	-1.937E-07	0.000E-01	-1.755E-04	-8.470E-22	-1.431E-06	-8.272E-29	-1.937E-07	0.000E-01	-1.755E-04	-8.470E-22
MAXIMUM	-9.537E-07	-8.272E-29	-2.384E-07	0.000E-01	-2.441E-04	-8.470E-22	-9.537E-07	-8.272E-29	-2.384E-07	0.000E-01	-2.441E-04	-8.470E-22
MAXIMUM	-5.963E-19	-4.947E-13	-1.152E-19	0.000E-01	-9.021E-17	-4.657E-10	-5.963E-19	-4.947E-13	-1.152E-19	0.000E-01	-9.021E-17	-4.657E-10
GRAND TOTAL	1.810E-06	4.556E-13	3.251E-07	0.000E-01	3.212E-04	4.666E-10	1.810E-06	4.556E-13	3.251E-07	0.000E-01	3.212E-04	4.666E-10
ELEMENT TYPE (B E A M)												

TABLE 3-11
COMPUTED ELEMENT FORCES AFTER IV FAILURE
(continued)

[illegible]

TABLE 3-11
COMPUTED ELEMENT FORCES AFTER 1Y FAILURE
(continued)

	BDRY-F	BDRY-M			
	2	0			
MAXIMUM	5.238E+04	0.000E-01			
	2	0			
MAXIMUM	9.408E+05	0.000E-01			
	3	0			
MAXIMUM	1.169E-07	0.000E-01			
GRAND TOTAL	9.494E+05	0.000E-01			
ELEMENT TYPE (B O U N D A R Y			) / / /	ELEMENT NUMBER (	2)
	BDRY-F	BDRY-M			
	1	0			
MAXIMUM	9.337E+05	0.000E-01			
	1	0			
MAXIMUM	5.198E+04	0.000E-01			
	3	0			
MAXIMUM	4.143E-07	0.000E-01			
GRAND TOTAL	9.422E+05	0.000E-01			
ELEMENT TYPE (B O U N D A R Y			) / / /	ELEMENT NUMBER (	3)
	BDRY-F	BDRY-M			
	1	0			
MAXIMUM	5.452E+04	0.000E-01			
	2	0			
MAXIMUM	9.414E+05	0.000E-01			
	3	0			
MAXIMUM	-6.869E-08	0.000E-01			
GRAND TOTAL	9.505E+05	0.000E-01			
ELEMENT TYPE (B O U N D A R Y			) / / /	ELEMENT NUMBER (	4)
	BDRY-F	BDRY-M			
	1	0			
MAXIMUM	9.486E+05	0.000E-01			
	1	0			
MAXIMUM	5.281E+04	0.000E-01			
	3	0			
MAXIMUM	2.165E-08	0.000E-01			
GRAND TOTAL	9.572E+05	0.000E-01			
ELEMENT TYPE (B O U N D A R Y			) / / /	ELEMENT NUMBER (	5)
	BDRY-F	BDRY-M			
	1	0			
MAXIMUM	5.449E+04	0.000E-01			
	2	0			
MAXIMUM	9.496E+05	0.000E-01			
	3	0			
MAXIMUM	-6.656E-08	0.000E-01			
GRAND TOTAL	9.586E+05	0.000E-01			
ELEMENT TYPE (B O U N D A R Y			) / / /	ELEMENT NUMBER (	6)
	BDRY-F	BDRY-M			
	1	0			
MAXIMUM	9.449E+05	0.000E-01			
	1	0			
MAXIMUM	5.260E+04	0.000E-01			
	3	0			
MAXIMUM	-4.270E-08	0.000E-01			
GRAND TOTAL	9.535E+05	0.000E-01			
ELEMENT TYPE (B O U N D A R Y			) / / /	ELEMENT NUMBER (	7)
	BDRY-F	BDRY-M			
	2	0			
MAXIMUM	5.164E+04	0.000E-01			
	2	0			
MAXIMUM	9.275E+05	0.000E-01			
	3	0			
MAXIMUM	5.878E-08	0.000E-01			
GRAND TOTAL	9.353E+05	0.000E-01			
ELEMENT TYPE (B O U N D A R Y			) / / /	ELEMENT NUMBER (	8)

TABLE 3-11

COMPUTED ELEMENT FORCES AFTER 1Y FAILURE
(concluded)

	BDRY-F	BDRY-M	
	1	0	
MAXIMUM	9.197E+05	0.000E-01	
	2	0	
MAXIMUM	-5.387E+04	0.000E-01	
	3	0	
MAXIMUM	1.660E-07	0.000E-01	
GRAND TOTAL	9.287E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y			) / / / ELEMENT NUMBER (9)
	BDRY-F	BDRY-M	
	1	0	
MAXIMUM	5.197E+04	0.000E-01	
	2	0	
MAXIMUM	9.312E+05	0.000E-01	
	3	0	
MAXIMUM	6.260E-08	0.000E-01	
GRAND TOTAL	9.398E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y			) / / / ELEMENT NUMBER (10)
	BDRY-F	BDRY-M	
	1	0	
MAXIMUM	9.274E+05	0.000E-01	
	2	0	
MAXIMUM	-5.288E+04	0.000E-01	
	3	0	
MAXIMUM	9.089E-08	0.000E-01	
GRAND TOTAL	9.362E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y			) / / / ELEMENT NUMBER (11)
	BDRY-F	BDRY-M	
	11	0	
MAXIMUM	1.965E-07	0.000E-01	
	11	0	
MAXIMUM	2.901E-07	0.000E-01	
	3	0	
MAXIMUM	1.482E+05	0.000E-01	
GRAND TOTAL	1.485E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y			) / / / ELEMENT NUMBER (12)
	BDRY-F	BDRY-M	
	11	0	
MAXIMUM	-3.752E-08	0.000E-01	
	2	0	
MAXIMUM	6.690E-08	0.000E-01	
	3	0	
MAXIMUM	1.963E+05	0.000E-01	
GRAND TOTAL	1.963E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y			) / / / ELEMENT NUMBER (13)
	BDRY-F	BDRY-M	
	3	0	
MAXIMUM	2.915E-08	0.000E-01	
	2	0	
MAXIMUM	7.478E-08	0.000E-01	
	3	0	
MAXIMUM	2.194E+05	0.000E-01	
GRAND TOTAL	2.195E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y			) / / / ELEMENT NUMBER (14)
	BDRY-F	BDRY-M	
	11	0	
MAXIMUM	-9.259E-08	0.000E-01	
	11	0	
MAXIMUM	-1.367E-07	0.000E-01	
	3	0	
MAXIMUM	1.281E+05	0.000E-01	
GRAND TOTAL	1.286E+05	0.000E-01	
ELEMENT TYPE (B O U N D A R Y			) / / / ELEMENT NUMBER (15)
	BDRY-F	BDRY-M	
	11	0	
MAXIMUM	-1.091E-07	0.000E-01	
	11	0	
MAXIMUM	-1.611E-07	0.000E-01	
	3	0	
MAXIMUM	1.265E+05	0.000E-01	
GRAND TOTAL	1.271E+05	0.000E-01	

3.3 Failure Assessment

ACI-318-77 and AISC manual were used to specify the design and ultimate loads/stresses for the reinforced concrete and masonry block walls. The design and ultimate loads/stresses are enumerated in Table 3-12. Table 3-9 was reviewed to identify failures on the basis that a wall fails if the stresses are greater than the ultimate stresses (Table 3-12). Identified failures and their potential impact on the structural stability are presented in Table 3-13. To facilitate the assessment of the overall stability of the building, the shear load induced failures were classified into "cracks" (repairable) and "failures" (unrepairable; loss-of-load path) in Table 3-13. Available concrete failure data contained in References 11 and 12 were used to define the cut-off point for the classification. It was postulated that shear loads would effect "cracks" if the stresses were between 1X ultimate and 2X ultimate and the loads would effect "failure" if the stresses were greater than 2X ultimate.

As indicated in Table 3-13, wall 1Y would fail in both bonding and shear. Further, total failure of 1Y would effect failure of other walls due to a significant increase (approximately 25%) in load on other members (see Table 3-11). The loads transferred due to the failure of 12Y, 2X, 18X, or 19X would not be large enough (i.e., less than 10%) to effect failure of other walls.

Floor forces derived from the beam (elements 17 to 31 in Figure 3-2) were checked against the original design values (Ref. 1) to assess their structural integrity. Maximum computed floor shears for the second floor were 920 and 940 kips in the E-W and N-S directions, respectively, and the original design analysis value was 845 kips.

Simplified computations for the plate mode of vibration of the floor indicated frequencies between 10 and 15 Hz (see Appendix B). This implies that the floor would amplify the earthquake input and that the floor-mounted Category I equipment must be qualified to the amplified floor spectra.

TABLE 3-12
DESIGN AND ULTIMATE STRESSES

<u>No.</u>	<u>Material</u>	<u>Load</u>	<u>Design (ksi)</u>	<u>Ultimate (ksi)</u>	<u>Comments</u>
1	Concrete	Axial compression	3.6	4.0	$\phi = 0.90$
		Axial tension	0.34	0.4	$\phi = 0.85$
		Shear	0.11	0.13	$\phi = 0.85$
2	Reinforcing steel (A615, Grade 60)	Tension and compression	95.	100.	$0.95 \times \text{yield}$
3	Block walls	Compression (axial)	95.	100.	$\phi = 0.85$
		Shear	0.066	0.078	$\phi = 0.85$
4	Structural steel (A36)	Tension and compression	20.	36.	-
5	Soil	Bearing	12.5 (ksf)	16.3 (ksf)	Page: AP-7-6 of Ref. 1 (ultimate = $1.3 \times \text{design}$)

Foundations and soils were checked by analyzing the regions of the building corresponding to elements with the highest moments (see Element No. 10, Table 3-8). Computed values are presented in Table 3-14. It is noted that the foundation would not overturn ($FS > 2$), but the bearing pressures due to overturning would be higher than the maximum allowable pressure (12.0 ksf, Table 3-12) and that uneven foundation settlement could occur.

TABLE 3-13

IDENTIFIED WALL FAILURES
AND STRUCTURAL STABILITY

Wall i.d.	Cause	Failure Mode	Impact on Stability	Effects/Comments
1Y (2nd level)	Shear	Shear cracks	Minimum	Lead to window failures; loss of confinement integrity
1Y (both levels)	Moment	Tensile rupture	Maximum; potential for progression of failures	Load path lost; overloading of other walls
12Y (ground)	Shear	Shear failure	Minimum	May effect door failure
19X	Shear	Shear cracks	Minimum	Cracked plasters; debris
18X (both levels)	Shear	Shear cracks	Minimum	Loss of confinement integrity
2X (2nd level)	Shear	Shear cracks	Maximum	Debris may impact FMEF

NOTES: Cracks: Stress is $\leq 2 \times$ ultimate (see text and Ref.(s) 11 and 12).
 Failure: Stress is $> 2 \times$ ultimate (see text and Ref.(s) 11 and 12).
 Loss of confinement integrity applies to external walls only.
 Effect of failure of wall 1Y was investigated in detail.
 Shear failure of other walls would not effect progressive failures.

TABLE 3-14

SOIL STRESSES

Load ¹	Walls		
	1X	2X	17X
Overturning ²			
-Factor of safety	12.0	15.0	2.0
-Stress (ksf)	13.0	14.0	14.0
Lateral (ksf) ³	4.5	2.4	0.7

Notes:

1. Loads were obtained from Table 3-8 and Appendix C.
2. Factor of Safety (FS) against overturning was estimated (see Chapter 20, Ref. 10). Bearing stress due to overturning was also estimated.
3. Lateral stress was computed by dividing the soil spring force by area of foundation.

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4.0 TORNADO ANALYSES

Resistance of Building 4862 to tornado forces resulting from the maximum wind speed and missiles was investigated. The analyses were limited to the investigation of a typical section of the reinforced block wall and of a column. The tornado analysis and results are discussed in this section.

4.1 Maximum Wind Speed Effects

Capability of the building to withstand the 175 mph maximum tornado wind speed was investigated by extrapolation of the original design values. The original analysis investigated the floor shear forces for a maximum wind speed of 80 mph and concluded that the seismic forces controlled the design. Scaling the floor shears of the 80 mph wind by 4.8 $[(175/80)**2 = 4.8]$ clearly indicated that the building would withstand the static forces due to the maximum wind speed of 175 mph. Original and scaled values are tabulated in Table 4-1.

4.2 Missile Impacts

Review of the original design analysis for missile impacts indicated that auto and utility pole impacts (missiles 5 and 6 of Table 2-3) were critical and this engineering effort investigated these two missiles only.

Using the procedures described in Ref. 9, the elastic-plastic impacts of an auto and utility pole on a reinforced block wall (8 in. thick size) were investigated. The absorbed energy calculations and assumptions are presented in Table 4-2.

The strain-energy capacity of a reinforced block wall section of 13 ft x 21 ft x 8 in. (typical distance between floors and columns) was computed. Assumptions and computations are presented in Table 4-3. Comparison of results of Tables 4-2 and 4-3 indicated that the impact of an auto would effect complete failure of the block wall by penetration,

TABLE 4-1

MAXIMUM WIND SPEED LOADS

<u>No.</u>	<u>Items</u>	<u>Original Value (80 mph)</u>	<u>Scaled Value (175 mph)</u>	<u>Original Design Value</u>
1	Floor shear below roof (wind on longitudinal wall)	46.8k	224k	440k
2	2nd floor diaphragm shear (wind on longitudinal wall)	140.3k	671k	845k
3	Roof diaphragm shear (wind on transverse wall)	28.3k	136k	440k
4	2nd floor diaphragm shear (wind on transverse wall)	69.4k	332k	845k

TABLE 4-2
 ABSORBED ENERGY CALCULATIONS

<u>No.</u>	<u>Missile</u>	<u>Velocity</u> <u>(ft/sec)</u>	<u>F_m</u>	<u>KE_m</u> <u>k-ft</u>	<u>KE_t</u> <u>k-ft</u>
1	Auto (4,000 lb)	50	1.16	155.3	83.2
2	Utility Pole (1,125 lb)	55	0.33	52.8	13.0

$$F_m^* = \frac{W_{\text{missile}}}{W_{\text{target}}} = \frac{W_{\text{missile}}}{0.131 \times W_{\text{total}}}$$

$$KE_m^* = 1/2 (m) (v^2) = \text{kinetic energy of missile}$$

$$KE_t^* = \text{Energy absorbed after impact}$$

$$= \frac{F_m}{1 + F_m} (KE_m)$$

* See Ref. 1 and 9 for details of equations and procedure.

TABLE 4-3

STRAIN ENERGY CAPACITY

$$\text{Strain Energy Capacity} = SE_t = 2\pi L M_u R_u^*$$

L = total slab length,

M_u = ultimate moment capacity, and

R_u = rotational capacity.

The above equation (for energy) assumes radial yield lines and subjected to a load at the center.

Auto impact area of 20 sq ft is $\leq 7\%$ of target wall ($21 \times 13 = 273$ sq ft).

$$M_u = A_s f_p (d - \frac{d_n}{2})^{**}$$

A_s = area of steel in tension, 0.62 in.^2

$$f_{p_s} = f_{p_u} (1 - 0.5 P_p \frac{f_{p_u}}{f'_c})$$

f_{p_u} = 100 ksi (min. ultimate tensile strength of steel)

P_p = ratio of areas of steel to concrete

$$= 0.62 / (8 \times 32) = 0.0024$$

f'_c = masonry compressive strength, 1,500 psi

$$= 1,500 \text{ psi}$$

$$f_{p_s} \approx 0.85 f_{p_u} = 85 \text{ ksi}$$

d = compression edge to steel distance

$$= 4 \text{ in.}$$

d_n = compression edge to neutral axis distance

* See Ref. 9 for details.

** See Ref. 10 for details.

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TABLE 4-3STRAIN ENERGY CAPACITY
(concluded)

$$= \frac{P_p f_{ps} \cdot d}{0.85 f'_c}$$

$$= 0.1615D$$

$$M_u = 176.8 \text{ k-in./32 in. of wall}$$

$$= 5.5 \text{ k-ft/ft}$$

$$R_u = (0.0065) \left(\frac{d}{dn} \right)$$

$$= (0.0065) \left(\frac{1}{0.1615} \right)$$

$$= 0.0402$$

$$SE_t = 2 \pi \left(5.5 \frac{\text{k-ft}}{\text{ft}} \right) (0.0402) (21 \text{ ft})$$

$$= 29.2 \text{ k-ft}$$

while a utility pole would be stopped. Absorbed energies, strain energy capacity, and required ductility ratios are tabulated in Table 4-4.

The ability of a column to survive the impact of the auto was investigated. The W10 x 33 column was used and the computations are presented in Table 4-5. It was concluded that the required ductility ratio of 2.5 is acceptable and that the W10 x 33 column would stop the auto.

4.3 Pressure Drop Effects

Effect of the tornado pressure drop (0.75 psi) load on the roof was investigated by static analyses. The total weight of the building (1.1E7 lb) exceeds the expected uplift force (3.2E6 lb) by a factor of 3.4.

Load due to the pressure drop was applied statically on the roof beams. The applied load was based upon the prorated roof area of the beam. Two beams W12 x 40 and W18 x 40 were analyzed and the computed values are listed in Table 4-7. It was concluded that the beam would resist the loads due to the tornado pressure drop.

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TABLE 4-4

RUPTURE AND DUCTILITY CALCULATIONS

<u>No.</u>	<u>Missile</u>	<u>Impact Force¹</u>	<u>Rupture Area</u>	<u>Max. Rupture Force²</u>	<u>Required Ductility³</u>
1.	Auto	155k	964 in. ²	75.2k	18 (<u>not</u> acceptable)
2.	Utility Pole	48k	512 in. ²	39.9k	3 (acceptable)

Notes:

- Impact force = $1.14 W V_o$ (see Figure 2-2),
W = weight in lb, and
V_o = velocity in mph.
- Assumed 78 psi for maximum shear stress.
- See Refs. 1 and 13 for details of procedure. Also, Table 4-6 for an example calculation. Ref. 11 notes that $\mu = 3$ to 8 depending on material would lead to repairable damage of structures and equipment while $\mu > 8$ would imply significant damage.

TABLE 4-5

SUMMARY OF AUTO AND UTILITY POLE IMPACTS

<u>No.</u>	<u>Missile</u>	<u>Absorbed Energy k-ft</u>	<u>Strain Energy Capacity k-ft</u>	<u>Required Ductility μ</u>	<u>Puncture Margin</u>	<u>Conclusion</u>
1	Auto	83	29.2	18	0.48	Failed; full penetration
2	Utility pole	13	29.2	3	0.83	Acceptable; missile stopped

TABLE 4-6

AUTO IMPACT ON W10 x 33 COLUMN

Consider a column of W10 x 33 and 13 ft long:

$$M_u = A_s f_{pu} \cdot d_w$$

d_w = distance between mid-points of flanges

$$= 9.75 - 0.433 = 9.32 \text{ in.}$$

f_{pu} = 36 ksi, yield strength

A_s = area of flanges

$$= (8 \times 0.43) = 3.44 \text{ in.}^2$$

$$M_u = 1.15 E_b \text{ lb-in.}$$

$$R_m = \frac{8 M_u}{L} = \frac{(1.15 E_b)(8)}{(13 \times 12)} = 5.9E4 \text{ lb}$$

(If the support connections are capable of supporting 30 kips, the building can absorb the reactions at the supports.)

$$k = \frac{384 EI}{L^3} = \frac{384 (30 \times 10^6)(171)}{(13 \times 12)^3}$$

(assume a simply supported beam)

$$= 1.04 E5 \text{ lb/in.}$$

$$T_p = 2\pi \sqrt{\frac{R_m}{kg}} = 0.24 \text{ sec}$$

$$t_d \div t = 0.08 \div 0.24 = 0.33$$

$$\frac{R_m}{F} = \frac{59E4}{1.55E5} = 0.4$$

From Chapter 2 of Ref. 12,

$$\mu \approx 2.5$$

TABLE 4-7PRESSURE DROP LOAD EFFECTS

A. Uplift:

$$\text{Total Uplift} = 3.2\text{E}6 \text{ lb } (300 \times 100 \times 144 \times 0.75)$$

$$\text{Weight} = 1.1\text{E}7 \text{ lb}$$

$$\text{Margin} = 3.4$$

B. Beam Stresses:

<u>No.</u>	<u>Beam</u>	<u>Load Area (sq ft)</u>	<u>Number of Supports</u>	<u>Shear</u>		<u>Bending</u>	
				<u>Load (k)</u>	<u>Stress (ksi)</u>	<u>Moment (k-in)</u>	<u>Stress (ksi)</u>
1.	W18 x 40	24 x 24	5	24.4	4.5	1,400	20.2
2.	W12 x 22	9(W) x 24	8	9.2	2.9	523	20.7

C. Column Stress:

$$\text{Tensile Uplift Force} = 62.2\text{k } (24 \times 24 \times 144 \times .75)$$

$$\text{Area of W10 x 45} = 13.2 \text{ in.}^2$$

$$\text{Stress} = 4.8 \text{ ksi}$$

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5.0 CONCLUSIONS AND RECOMMENDATIONS

The capability of Building 4862 to withstand earthquake and tornado forces was investigated and the investigations were discussed in Sections 3 and 4. Conclusions and recommendations of the study are presented herein.

5.1 Earthquake Evaluation

Based upon the analysis described in Section 3 and the criteria discussed in Section 2, it was concluded that the design basis earthquake ($ZPA = 0.250$ g horizontal and $ZPA = 0.170$ g vertical) would effect

- complete failure and collapse of wall 1Y (both levels - west wall);
- shear cracking and failures along walls 18X, 2X, 12Y, and 19X (see Figures 3-3 to 3-6 for wall identification); and
- no failure of floor diaphragms.

Further, it was inferred that

- the failure of wall 1Y would increase the loads on other walls by approximately 25% and would effect additional shear failures of walls and compressive cracking of 17X;
- the soil bearing pressures would be higher (12 to 15 ksf) than the maximum allowable soil pressures (12 ksf);
- the lateral soil pressure would be between 1 and 5 ksf;
- the combination of lateral and bearing soil pressure would effect uneven settlement;
- the building would withstand an earthquake with a ZPA of 0.20 g based upon shear failure criterion (i.e., no total collapse or major structural damage);

- the floors would amplify the vertical earthquake input (due to out-of-plane vibrations of floors); and
- the building would not impact on the south wall of FMEF because the maximum earthquake displacement would be 1 in. (the modified SRSS displacement) at the roof level, and the gap between buildings is 1.5 in.

It is recommended that the building be upgraded by adding X-bracing or walls along column lines 0.1, 0.3 or 0.7 (e.g., 8 in. reinforced masonry wall or X-bracing with W10 x 33) and that the floor mounted Category 1 equipment be qualified for amplified floor spectra (i.e., not free field). Further, details of connections and loads near openings (windows, doors, etc.) must be investigated to assure no detrimental local failures would occur.

5.2 Tornado Evaluation

Based upon the analyses described in Section 4, it was concluded that

- the forces due to the maximum tornado wind speed (175 mph), would not effect failures (based upon extrapolation of original design analysis);
- the reinforced block masonry wall (8 in. thick) would absorb the impact of the utility pole (1.125 lb, 55 ft/sec) and the pole would not penetrate;
- the auto impact would effect failure of the wall and result in full penetration;
- the column W10 x 33 could absorb the full impact force of the auto;
- the local penetration and failure of the wall would not effect total or major failure of the structure (because the columns, which were designed to carry the full dead and live loads, would support the building); and

- the pressure drop load would not damage the roof.

It is recommended that the impact of other missiles on the roof and local pressure drop effects be investigated.

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6.0 REFERENCES

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9. R. P. Kennedy, "A Review of Procedures for the Analysis and Design of Concrete Structures to Resist Missile Impact Effects," presented at the 3rd International Conference on Structural Mechanics in Reactor Technology, September 8-11, 1975.
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11. N. M. Newmark and W. Hall, "Development of Criteria for Seismic review of selected nuclear power plants," prepared for U.S. NRC, NUREG/CR-0098, May 1978.
12. S. Otani, "Earthquake Test of Shear Wall Frame Structure to Failure," ASCE-EMD Conference: Dynamic Response of Structures, Instrumentation, Testing Methods and Systems Identification, Los Angeles, California, March 1976.
13. J. M. Biggs, "Introduction to Structural Dynamics," McGraw Hill, 1964.

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APPENDIX A
BEAM PROPERTY EQUATIONS

28, 1-80

JOB	DATE 9/21/82	SHEET NO.
DESCRIPTION Shear Wall : Inertia (I_{n-n}) Calcs.	CALC. BY RV	APPROVED BY

1. Assumptions

A. Properties

(i) Concrete :

$$E_c = 3.6 \times 10^6 \text{ psi}$$

$$f'_c = 4000 \text{ psi}$$

Reinforcement : #5 bars @ 18" ($a_s = 0.31 \text{ in}^2$)
for the vertical direction

$$\text{width} = 12" (b)$$

$$n_c = E_s / E_c = 8.33$$

(ii) Block (Grouted)

$$E_b = 1.0 \times 10^6 \text{ psi}$$

$$f'_{bc} = 1500 \text{ psi}$$

$$n_b = 30$$

Grouted bars : #7 @ 32" ($a_s = 0.60 \text{ in}^2$)

$$\text{width} = 8" (b)$$

B. Model For Shear walls

Assumed that approx. 20% of rebars are in compression for deep concrete and block walls. Rebars in both tension and compression sides are lumped at "centroid of bars."

JOB

DATE

7/16/82

SHEET NO.

DESCRIPTION Shear Wall - cont'd.

CALC. BY

RV

APPROVED BY

2. Inertia Properties Calc.

b - width of beam

d - depth of beam

d_t - depth to tensile bars
(effective depth)

N_c, N_t - # of bars in compression
and tension, respectively

a_s - area of each bar.

d_c - depth to compression bars.

n - ratio of elastic modulus of steel to concrete (E_s/E_c)

Taking moments about the neutral axis,

$$\frac{1}{2} b d_n^2 + (n-1) A_{sc} (d_n - d_c) = n A_{st} (d_t - d_n)$$

where $A_{sc} = N_c a_s$, area of steel bars in
compression

$A_{st} = N_t a_s$, area of steel in tension

This quadratic equation leads to

$$d_n = (\sqrt{B^2 - 4AC} - B) \div 2A$$

where $A = b/2$

$$B = (n-1) N_c a_s + n N_t a_s$$

$$C = (n-1) N_c a_s d_c + n N_t a_s d_t$$

The moment of inertia becomes

$$I_{n-n} = \frac{1}{3} b d_n^3 + (n-1) N_c a_s (d_n - d_c)^2 + n a_s N_t (d_t - d_n)^2$$

1-83

JOB

DATE 9/16/82

SHEET NO.

DESCRIPTION Shear Wall - cont'd.
concrete Properties Calc. - cont'd.

CALC. BY RV

APPROVED BY

Equations " d_n " & " I_{n-n} " were programmed into TI-58C and the following three examples were used to check the program.

	(1)	(2)	(3)
b	1.0	1.0	0.50
d	0.5	0.5	0.20
a_g	0.25	0.01	6.5×10^{-4}
n	1.0	10	18.7
N_c	0	2	1
d_c	0	0.1	0.075
N_t	1	4	3
d_t	0.75	0.9	0.5
d_n	0.50	0.53	0.259
I_{n-n}	0.0365	0.113	3.67×10^{-3}
A_c	0.5	0.5	0.10

(Example (3) is from page 72, B P Hughes, "Limit State Theory for Reinforced Concrete Design".)

Following pages list the dimensions & computed values of I 's for all shear walls. Member ids are shown in the attached figures (same as Norman Engineering Co). Dimensions & properties were derived from Norman Engineering Company report and drawings (see list of references). 1-23

JOB

DATE

SHEET NO.

DESCRIPTION

CALC. BY

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Development of Equivalent Inertias

Let $k_e = \lambda_e \frac{E_e I_e}{l_e^3}$ be the stiffness of equivalent model beam.

$\lambda_e = BC$ constant

For springs in parallel,

$$k_e = \sum_i k_i$$

$$= \sum_i \lambda_i \frac{E_i I_i}{l_i^3}$$

If λ_i 's & E_i 's are equal,

$$\frac{I_e}{l_e^3} = \sum_{\text{masonry}} \left(\frac{I_i}{l_i^3} \right) + 3.6 \sum_{\text{concrete}} \left(\frac{I_i}{l_i^3} \right)$$

For concrete $E_c = 3.6 E_m$

where $E_m = \text{modulus of masonry.}$

For springs in series,

$$\frac{I_e}{l_e^3} = \frac{\prod \left(\frac{I_i}{l_i^3} \right)}{\sum \left(\frac{I_i}{l_i^3} \right)}$$

For concrete use

$$I_c = 3.6 I$$

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JOB	DATE	SHEET NO.
DESCRIPTION	CALC. BY	APPROVED BY

Walls with openings (windows, doors, etc) are
processed as follows:

$$K_e = K_A + (K_B || K_C) + K_D + (K_E || K_F) + K_G$$

(series
not "+")

$$K_A = \lambda \frac{EI_A}{l_A^3}$$

etc.

divisions
for cols

opening

Inertia, area & neutral axis

were computed for each
division & then combined

for the complete wall. The

equivalent inertia was estimated by assuming that
the springs are in parallel or series and that

$$\text{each spring is } = \lambda \frac{EI}{l^3}$$

where λ is a constant (Boundary condition)

$E = E_c \text{ or } E_b$

$I = \text{inertia}$

$l = \text{length of division}$

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APPENDIX B
SIMPLIFIED MODEL CALCULATIONS

1-91: 89_{ja}

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90 1-92

One Stick Model

(Neglect mass-moment of inertia's)
(because J is $\gg I$)

$$I_{(1)} = \begin{matrix} & 1 & 4 & 7 & 10 & 13 & 15 \\ \begin{matrix} yy \\ xy \end{matrix} & 1.57 & .21 & 11.2 & 10.3 & 8.63 & 4.7 \end{matrix}$$

$$= 36.6 \cdot E + 0$$

$$= 88.6$$

$$I_{(2)} = \begin{matrix} & 2 & 5 & 8 & 11 & 14 & 16 \\ \begin{matrix} yy \\ xy \end{matrix} & 2.1 & .31 & 1.6 & 9.9 & .3 & 71.0 \end{matrix}$$

$$= 85.2 \cdot E + 0$$

$$= 41.5$$

$$I_{(3)} = \begin{matrix} & 3 & 6 & 9 & 12 \\ \begin{matrix} yy \\ xy \end{matrix} & 1.0 & .87 & 9.3 & 43. \end{matrix}$$

$$= 54.2 \cdot E + 0$$

$$= 59.9$$

$$M_1 = \begin{matrix} & 25 & 28 & 31 & 34 & 37 & 39 \\ & 736 & 936 & 673 & 726 & 406 & 342 \end{matrix}$$

$$= 3217 \cdot E + 0 \quad J_{b1}$$

$$M_2 = \begin{matrix} & 26 & 29 & 32 & 35 & 38 & 40 \\ & 1164 & 1354 & 953 & 213 & 416 & 234 \end{matrix}$$

$$= 4416 \cdot E + 0$$

$$M_3 = \begin{matrix} & 27 & 30 & 33 & 36 \\ & 600 & 852 & 553 & 203 \end{matrix}$$

$$= 2803 \cdot E + 0$$

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$$\epsilon W = \frac{11,088}{11,088} \quad 1-93$$

Norman Eng. Company Total for Roof & 2nd floor $\approx 7659K$
add $m_3 (-4.0 \text{ to } 0.0) = \frac{3869K}{11528}$

$$\text{Difference} \sim \left(\frac{440}{11088} \right) = \underline{\underline{4\%}}$$

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Soil springs $k_H = 3.5 \times 10^6 \text{ lb/in}$

Building springs $\sim 1.0 \times 10^9 \text{ lb/in}$

$$f_{1H} = \frac{1}{2\pi} \sqrt{\frac{0.87 \times 6 \times 10^6 \times 386}{11.1 \times 10^6}}$$

$$= \boxed{2.1 \text{ Hz}}$$

If we use $G = V_s^2 \rho$ & $V_s = 403 \text{ ft/s}$
 then $f_{1H} = (2.1) \cdot \frac{24}{3} = 5.6 \text{ Hz}$

$$f_{1V} = \frac{1}{2\pi} \sqrt{\frac{1.13 \times 6 \times 10^6 \times 386}{3.5 \times 10^6}}$$

$$= \underline{4.4 \text{ Hz}}$$

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 (11.4 Hz)

First Approximation for Bldg. Flexural
 Frequency:

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using the model shown,

$$\delta = \delta_1 + \delta_2 + \delta_3$$

$$= \frac{W_1 + W_2 + W_3}{k_1} + \frac{W_2 + W_3}{k_2} + \frac{W_3}{k_3}$$

$$\frac{(W_1 + W_2 + W_3)}{k_e} = \frac{k_2 k_3 (W_1 + W_2 + W_3) + k_1 k_3 (W_2 + W_3) + k_1 k_2 (W_3)}{k_1 \cdot k_2 \cdot k_3}$$

$$\delta_x = \frac{E6((1.3)(9.9)(11.1) + (1.9)(1.3)(7.2) + (1.9)(1.3)(2.8))}{(1.9)(1.3)(9.9)(E+9)}$$

$$= 6.8 \text{ E-3}$$

$$f_n = \frac{1}{2\pi} \sqrt{\frac{g/\delta}{\delta}} = \sqrt{\frac{326}{6.8 \text{ E-3}}}$$

$$= \underline{\underline{37.8 \text{ Hz}}}$$

If we use $\frac{3EI}{l^3}$ ($\because$ beams are fixed)

$$f_n = \frac{37.8}{\sqrt{4}} = \underline{\underline{18.7 \text{ Hz}}} \quad (R_{12} \text{ is } 1/2 \text{ of } R_{11})$$

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Ground Floor

→ #4 bars $A_s = 0.20 \text{ in}^2$

$$d_n = 1.35''$$

$$I = 13.99 \text{ in}^4 / 18'' \text{ width}$$

$$I_a = 13.99 \times \left(\frac{a'}{1.5'} \right) \text{ in}^4$$

$$I_b = 13.99 \times \left(\frac{b'}{1.5'} \right) \text{ in}^4$$

$$\begin{aligned} M_u &= A_s f_y \left(3 - \frac{1.35}{2} \right) \\ &= (0.4)(40 \text{ ksi}) \left(3 - 0.675 \right) = \underline{3.72 \text{ k-in}} / 18 \text{ in.} \end{aligned}$$

$$M_{u,a} = 3.72 \text{ k-in} \left(\frac{a}{1.5} \right)$$

$$M_{u,b} = 3.72 \text{ k-in} \left(\frac{b}{1.5} \right)$$

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$$\sigma_s = \frac{m_y}{I}$$

$$m_s = \frac{I \sigma}{y} = \frac{\left(\frac{1}{12} \text{ in}^3 \right) (40 \text{ ksi})}{t/2}$$

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Y

pg 1-100

$$m = \frac{(18)t^2}{6} (40 \text{ ksi})$$

$$= (40 \text{ ksi})(3t^2)$$

$$3t^2 = (0.4)(2.325)$$

$$t = \sqrt{0.93/3} = \underline{\underline{0.56''}}$$

Expected Frequency

$$\frac{1}{16''} \frac{16''^3}{26.66''} \frac{16''^4}{16''} \frac{1}{16''}$$

$$f_1 = \frac{\pi}{2} \left(\frac{E h^3}{12(1-\nu^2)m} \right)^{1/2} \left(\frac{1}{a^2} + \frac{1}{b^2} \right)$$

$$= \frac{\pi}{2} \left[\frac{30 \times 10^6 \times (.56)^3}{12(1-.000125)} \right]^{1/2} \left(\frac{1}{a^2} + \frac{1}{b^2} \right)$$

$$m = 97.3 \frac{\text{lb}}{\text{ft}^2} \frac{1}{386} \frac{\text{sec}^2}{\text{in}} \frac{1}{144} \frac{\text{in}^2}{\text{in}^2}$$

$$= 0.00175 \frac{\text{lb} \cdot \text{sec}^2}{\text{in}^2 \cdot \text{in}}$$

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$$= (7.98 \text{ E} 4) \left(\frac{1}{a^2} + \frac{1}{b^2} \right)$$

If $a = 180'$, $b = 100'$ (worst case)

1-101 *ji 99*

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$$f_1 = (2.73 \times 10^4) \left(\frac{1}{180^2} + \frac{1}{100^2} \right)$$

$$= \underline{10.5 \text{ Hz}}$$

This will be the frequency if the floor supports all the weight; the soil does not affect the floor, and the ribs of foundations are neglected.

If we add the soil springs,

$$k_s = 4.456 \times \left(\frac{180 \times 150}{300 \times 150} \right)$$

$$= 2.6456 \text{ lb/in}$$

$$k_{plate} = \pi^4 \left(\frac{E h^3 (a b)}{12 (1 - \nu^2)} \right) \left(\frac{1}{a^3} + \frac{1}{b^3} \right)$$

$$\frac{1}{a^3} = \frac{1}{180^3} \text{ in}^3 \text{ in}^2 \left(\frac{1}{\text{in}^4} \right)$$

$$= \pi^4 \left(\frac{E h^3 a b}{12 (1 - \nu^2)} \right) \left(\frac{1}{a^3} + \frac{1}{b^3} \right)$$

$$= \pi^4 \left(\frac{30 \times 10^6 \times (.56)^3 (180)(150)}{12 \times .99} \right) \left(\frac{1}{180^3} + \frac{1}{100^3} \right)$$

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$$= 10.2 \times 10^7 \text{ lb/in}$$

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For beam # 17, 19, 23, 21, 27, & 30.

$$\text{Using concrete, } A_s \approx (100 \times 12)(6") = 7200 \text{ in}^2$$

$$\text{Using rebar, } A_t \approx (0.20) \left(\frac{100}{1.5} \right) n = 111 \text{ in}^2$$

use $E = 3.5 \text{ E}6 \text{ lb/in}$ for concrete.

Using a concrete slab of $100' \times 100'$

($a = 100' = b$)
and simply supported c.c.,

$$\text{req. plate} = 10.2 \text{ E}7 \frac{(100)(100)}{(120)(100)} \frac{\left(\frac{1}{100^2} + \frac{1}{100^2} \right)^2}{\left(\frac{1}{100^2} + \frac{1}{100^2} \right)^2}$$

$$= 13.2 \text{ E}7 \text{ lb/in}$$

$$= \frac{48 \text{ E}I}{l^3}$$

$$l = \sqrt{a^2 + b^2}$$

$$= (5\sqrt{2} \times 12)$$

$$=$$

$$I = \frac{(13.2 \text{ E}7)(848.5)^3}{(48)(3.5 \times 10^6)}$$

$$= \underline{\underline{4.80 \text{ E}+08 \text{ in}^4}}$$

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APPENDIX C
STATIC DEAD AND LIVE LOAD ANALYSIS

**** SUPERSAP ANALYSIS VERSION 6.0.0 - RELEASED 7/ 2/81
**** PROJECT: TIME: 10:06 DATE:10/28/ 8
**** INPUT FILE = SAP.STAT

SEISMIC ANALYSIS - BLDG 4862

C O N T R O L I N F O R M A T I O N

NUMBER OF NODAL POINTS = 58
NUMBER OF ELEMENT TYPES = 2
NUMBER OF LOAD CASES = 1
NUMBER OF FREQUENCIES = 0
ANALYSIS CODE (NDYN) = 0
 EQ.0, STATIC
 EQ.1, MODAL EXTRACTION
 EQ.2, FORCED RESPONSE
 EQ.3, RESPONSE SPECTRUM
 EQ.4, DIRECT INTEGRATION
 EQ.5, FREQUENCY RESPONSE
 EQ.6, BUCKLING ANALYSIS
SOLUTION MODE (MODEX) = 0
 EQ.0, EXECUTION
 EQ.1, DATA CHECK
NUMBER OF SUBSPACE
 ITERATION VECTORS (NAD) = 0
 EQUATIONS PER BLOCK = 0
 TAPE10 SAVE FLAG (N10SV) = 0
 GRAVITATIONAL CONSTANT = 386.40
 TOTAL BLANK COMMON (MTOT)= 62500

BANDWIDTH MINIMIZATION IS REQUESTED

REQUIRED BLANK COMMON FOR THIS STEP= 697

GENERATED NODAL DATA

NODE NUMBER	BOUNDARY		CONDITION		CODES			NODAL POINT COORDINATES			
	X	Y	Z	XX	YY	ZZ	X	Y	Z	T	
1	0	0	0	-1	-1	-1	25.900	1784.000	-48.000	0.000	
2	0	0	0	-1	-1	-1	25.900	1784.000	0.000	0.000	
3	0	0	0	-1	-1	-1	25.900	1784.000	156.000	0.000	
4	0	0	0	-1	-1	-1	25.900	1784.000	312.000	0.000	
5	0	0	0	-1	-1	-1	1608.000	1724.000	-48.000	0.000	
6	0	0	0	-1	-1	-1	1608.000	1724.000	0.000	0.000	
7	0	0	0	-1	-1	-1	1608.000	1724.000	156.000	0.000	
8	7	7	7	7	7	7	1608.000	584.000	156.000	0.000	
9	0	0	0	-1	-1	-1	1608.000	584.000	312.000	0.000	
10	0	0	0	-1	-1	-1	2510.000	788.000	-48.000	0.000	
11	0	0	0	-1	-1	-1	2510.000	788.000	0.000	0.000	
12	0	0	0	-1	-1	-1	2510.000	788.000	156.000	0.000	
13	0	0	0	-1	-1	-1	2510.000	788.000	312.000	0.000	
14	0	0	0	-1	-1	-1	3530.000	1016.000	-48.000	0.000	
15	0	0	0	-1	-1	-1	3530.000	1016.000	0.000	0.000	
16	0	0	0	-1	-1	-1	3530.000	1016.000	156.000	0.000	
17	16	16	16	16	16	16	3530.000	1664.000	156.000	0.000	
18	0	0	0	-1	-1	-1	3530.000	1664.000	312.000	0.000	
19	0	0	0	-1	-1	-1	564.000	548.000	-48.000	0.000	
20	0	0	0	-1	-1	-1	564.000	548.000	0.000	0.000	
21	0	0	0	-1	-1	-1	564.000	548.000	156.000	0.000	
22	0	0	0	-1	-1	-1	1584.000	210.000	-48.000	0.000	
23	0	0	0	-1	-1	-1	1584.000	210.000	0.000	0.000	
24	0	0	0	-1	-1	-1	1584.000	210.000	156.000	0.000	
25	-1	-1	-1	-1	-1	-1	422.000	1429.000	0.000	0.000	
26	-1	-1	-1	-1	-1	-1	422.000	1429.000	156.000	0.000	
27	-1	-1	-1	-1	-1	-1	350.000	1332.000	312.000	0.000	
28	-1	-1	-1	-1	-1	-1	1478.000	1327.000	0.000	0.000	
29	-1	-1	-1	-1	-1	-1	1460.000	1405.000	156.000	0.000	
30	-1	-1	-1	-1	-1	-1	1514.000	1278.000	312.000	0.000	
31	-1	-1	-1	-1	-1	-1	2560.000	1278.000	0.000	0.000	
32	-1	-1	-1	-1	-1	-1	2560.000	1278.000	156.000	0.000	
33	-1	-1	-1	-1	-1	-1	2560.000	1117.000	312.000	0.000	
34	-1	-1	-1	-1	-1	-1	3172.000	1278.000	0.000	0.000	
35	-1	-1	-1	-1	-1	-1	3014.000	822.000	156.000	0.000	
36	-1	-1	-1	-1	-1	-1	3165.000	1247.000	312.000	0.000	
37	-1	-1	-1	-1	-1	-1	420.000	354.000	0.000	0.000	
38	-1	-1	-1	-1	-1	-1	427.000	378.000	156.000	0.000	
39	-1	-1	-1	-1	-1	-1	1318.000	444.000	0.000	0.000	
40	-1	-1	-1	-1	-1	-1	1333.000	475.000	156.000	0.000	
41	-1	-1	-1	-1	-1	-1	25.900	1764.000	-48.000	0.000	
42	-1	-1	-1	-1	-1	-1	15.900	1784.000	-48.000	0.000	
43	-1	-1	-1	-1	-1	-1	1608.000	1714.000	-48.000	0.000	
44	-1	-1	-1	-1	-1	-1	1598.000	1724.000	-48.000	0.000	
45	-1	-1	-1	-1	-1	-1	2510.000	778.000	-48.000	0.000	
46	-1	-1	-1	-1	-1	-1	2500.000	788.000	-48.000	0.000	
47	-1	-1	-1	-1	-1	-1	3530.000	1006.000	-48.000	0.000	
48	-1	-1	-1	-1	-1	-1	3520.000	1016.000	-48.000	0.000	
49	-1	-1	-1	-1	-1	-1	564.000	538.000	-48.000	0.000	
50	-1	-1	-1	-1	-1	-1	554.000	548.000	-48.000	0.000	
51	-1	-1	-1	-1	-1	-1	1584.000	200.000	-48.000	0.000	
52	-1	-1	-1	-1	-1	-1	1574.000	210.000	-48.000	0.000	
53	-1	-1	-1	-1	-1	-1	25.900	1784.000	-38.000	0.000	
54	-1	-1	-1	-1	-1	-1	1608.000	1724.000	-38.000	0.000	
55	-1	-1	-1	-1	-1	-1	2510.000	788.000	-38.000	0.000	
56	-1	-1	-1	-1	-1	-1	3530.000	1016.000	-38.000	0.000	
57	-1	-1	-1	-1	-1	-1	564.000	548.000	-38.000	0.000	
58	-1	-1	-1	-1	-1	-1	1584.000	210.000	-38.000	0.000	

REQUIRED BLANK COMMON FOR THIS STEP= 761

3 / D B E A M E L E M E N T S

NUMBER OF BEAMS = 31
 NUMBER OF GEOMETRIC PROPERTY SETS = 19
 NUMBER OF FIXED END FORCE SETS = 0
 NUMBER OF MATERIALS = 4
 NUMBER OF INTERMEDIATE LOAD SETS = 0

MATERIAL PROPERTIES

MATERIAL NUMBER	YOUNG'S MODULUS	POISSON'S RATIO	MASS DENSITY	WEIGHT DENSITY	THERMAL EXPANSION COEFFICIENT X Y Z	REFERENCE TEMPERATURE
1	0.1000E 07	0.1000	0.0000E 00	0.0000E 00	0.0000E 00 0.0000E 00 0.0000E 00	0.0000E 00
2	0.1000E 15	0.1000	0.0000E 00	0.0000E 00	0.0000E 00 0.0000E 00 0.0000E 00	0.0000E 00
3	0.3500E 07	0.1000	0.0000E 00	0.0000E 00	0.0000E 00 0.0000E 00 0.0000E 00	0.0000E 00
4	0.3000E 08	0.1000	0.0000E 00	0.0000E 00	0.0000E 00 0.0000E 00 0.0000E 00	0.0000E 00

BEAM GEOMETRIC PROPERTIES

SECTION NUMBER	AXIAL AREA A(1)	SHEAR AREA A(2)	SHEAR AREA A(3)	TORSION J(1)	INERTIA I(2)	INERTIA I(3)	SECTION MODULUS S(2)	SECTION MODULUS S(3)
1	0.3827E 05	0.1829E 05	0.1998E 05	0.1000E 11	0.1570E 08	0.1580E 09	0.0000E 00	0.0000E 00
2	0.2741E 05	0.1675E 05	0.1065E 05	0.1000E 11	0.2110E 08	0.4180E 08	0.0000E 00	0.0000E 00
3	0.2280E 05	0.8400E 04	0.1440E 05	0.1000E 11	0.1080E 08	0.3630E 08	0.0000E 00	0.0000E 00
4	0.2868E 05	0.1631E 05	0.1237E 05	0.1000E 11	0.2050E 07	0.2000E 09	0.0000E 00	0.0000E 00
5	0.1740E 05	0.7560E 04	0.9840E 04	0.1000E 11	0.3080E 07	0.2170E 09	0.0000E 00	0.0000E 00
6	0.1540E 05	0.7896E 04	0.7504E 04	0.1000E 11	0.8770E 07	0.2140E 09	0.0000E 00	0.0000E 00
7	0.2831E 05	0.1087E 05	0.1717E 05	0.1000E 11	0.1120E 09	0.1530E 09	0.0000E 00	0.0000E 00
8	0.3327E 05	0.1344E 05	0.1982E 05	0.1000E 11	0.1570E 08	0.6180E 08	0.0000E 00	0.0000E 00
9	0.1844E 05	0.6800E 04	0.1164E 05	0.1000E 11	0.9300E 08	0.8160E 08	0.0000E 00	0.0000E 00
10	0.2833E 05	0.2038E 05	0.7944E 04	0.1000E 11	0.1080E 09	0.2880E 09	0.0000E 00	0.0000E 00
11	0.2975E 05	0.1886E 05	0.1089E 05	0.1000E 11	0.9870E 08	0.1170E 09	0.0000E 00	0.0000E 00
12	0.2920E 05	0.1896E 05	0.1024E 05	0.1000E 11	0.4330E 09	0.2670E 09	0.0000E 00	0.0000E 00
13	0.2099E 05	0.1069E 05	0.1032E 05	0.1000E 11	0.8630E 08	0.7020E 08	0.0000E 00	0.0000E 00
14	0.1229E 05	0.6176E 04	0.6112E 04	0.1000E 11	0.2990E 07	0.5220E 08	0.0000E 00	0.0000E 00
15	0.1745E 05	0.1230E 05	0.5114E 04	0.1000E 11	0.4700E 08	0.1640E 08	0.0000E 00	0.0000E 00
16	0.3153E 05	0.1030E 05	0.2122E 05	0.1000E 11	0.7100E 09	0.2970E 08	0.0000E 00	0.0000E 00
17	0.7200E 04	0.7200E 04	0.4000E 04	0.1000E 11	0.1000E 10	0.4800E 09	0.0000E 00	0.0000E 00
18	0.5000E 04	0.4000E 04	0.4000E 04	0.1000E 11	0.1000E 10	0.1320E 06	0.0000E 00	0.0000E 00
19	0.5000E 04	0.4000E 04	0.4000E 04	0.1000E 11	0.1000E 10	0.3500E 04	0.0000E 00	0.0000E 00

ELEMENT LOAD MULTIPLIERS

	A	B	C	D
X-DIR	0.000000E 00	0.000000E 00	0.000000E 00	0.000000E 00
Y-DIR	0.000000E 00	0.000000E 00	0.000000E 00	0.000000E 00
Z-DIR	0.000000E 00	0.000000E 00	0.000000E 00	0.000000E 00

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3/D BEAM ELEMENT DATA

BEAM NUMBER	NODE -I	NODE -J	NODE -K	MATERIAL NUMBER	SECTION NUMBER	ELEMENT A	END B	LOADS C	D	END -I	CODES -J	BAND
1	1	2	41	1	1	0	0	0	0	0	0	6
2	2	3	41	1	2	0	0	0	0	0	0	6
3	3	4	41	1	3	0	0	0	0	0	0	6
4	5	6	43	1	4	0	0	0	0	0	0	6
5	6	7	43	1	5	0	0	0	0	0	0	6
6	8	9	43	1	6	0	0	0	0	0	0	6
7	10	11	45	1	7	0	0	0	0	0	0	6
8	11	12	45	1	8	0	0	0	0	0	0	6
9	12	13	45	1	9	0	0	0	0	0	0	6
10	14	15	47	1	10	0	0	0	0	0	0	6
11	15	16	47	1	11	0	0	0	0	0	0	6
12	17	18	47	1	12	0	0	0	0	0	0	6
13	19	20	49	1	13	0	0	0	0	0	0	6
14	20	21	49	1	14	0	0	0	0	0	0	6
15	22	23	51	1	15	0	0	0	0	0	0	6
16	23	24	51	1	16	0	0	0	0	0	0	6
17	2	20	1	3	17	0	0	0	0	0	0	51
18	3	21	1	4	18	0	0	0	0	0	0	51
19	20	23	19	3	17	0	0	0	0	0	0	12
20	21	24	19	4	19	0	0	0	0	0	0	12
21	23	6	22	3	17	0	0	0	0	0	0	48
22	24	7	22	4	18	0	0	0	0	0	0	48
23	2	6	5	3	17	0	0	0	0	0	0	15
24	3	7	5	4	18	0	0	0	0	0	0	15
25	4	9	8	4	19	0	0	0	0	0	0	15
26	6	11	10	3	17	0	0	0	0	0	0	15
27	8	12	11	4	18	0	0	0	0	0	0	15
28	9	13	12	4	19	0	0	0	0	0	0	15
29	11	15	14	3	17	0	0	0	0	0	0	15
30	12	16	14	4	18	0	0	0	0	0	0	15
31	13	18	17	4	19	0	0	0	0	0	0	15

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BOUNDARY ELEMENTS

ELEMENT TYPE = 7
NUMBER OF ELEMENTS = 18

ELEMENT LOAD CASE MULTIPLIERS

ELEMENT NUMBER	CASE (A) 0.0000	CASE (B) 0.0000	CASE (C) 0.0000	CASE (D) 0.0000
1	41	0	0	1
2	42	0	0	1
3	43	0	0	1
4	44	0	0	1
5	45	0	0	1
6	46	0	0	1
7	47	0	0	1
8	48	0	0	7
9	49	0	0	1
10	50	0	0	1
11	51	0	0	1
12	52	0	0	1
13	53	0	0	1
14	54	0	0	1
15	55	0	0	1
16	56	0	0	1
17	57	0	0	1
18	58	0	0	1

ELEMENT NUMBER	NODE (N)	NODES DEFINING (N1)	CONSTRAINT (NJ)	DIRECTION (NK)	CODE (NL)	CODE (KD)	NR	GENERATION CODE (KN)	SPECIFIED DISPLACEMENT	SPECIFIED ROTATION	SPRING RATE
1	1	41	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
2	1	42	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
3	5	43	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
4	5	44	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
5	10	45	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
6	10	46	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
7	14	47	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
8	14	48	0	0	0	7	0	0	0.0000E 00	0.0000E 00	0.1000E 12
9	19	49	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
10	19	50	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
11	22	51	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
12	22	52	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
13	1	53	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
14	5	54	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
15	10	55	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
16	14	56	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
17	19	57	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12
18	22	58	0	0	0	1	0	0	0.0000E 00	0.0000E 00	0.1000E 12

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B A N D W I D T H M I N I M I Z A T I O N

MINBND (BANDWIDTH CONTROL PARAMETER)= 1
REQUIRED BLANK COMMON FOR THIS STEP= 323
REQUIRED BLANK COMMON FOR THIS STEP= 413
REQUIRED BLANK COMMON FOR THIS STEP= 439
BANDWIDTH PRIOR TO RESEQUENCING= 51
BANDWIDTH AFTER RESEQUENCING = 24

E Q U A T I O N P A R A M E T E R S

TOTAL NUMBER OF EQUATIONS = 66
BANDWIDTH = 24
NUMBER OF EQUATIONS IN A BLOCK = 66
NUMBER OF BLOCKS = 1
TOTAL MEMORY ALLOCATED = 3 KILO BYTES
TOTAL BLOCKING MEMORY = 500 KILO BYTES
TOTAL MEMORY AVAILABLE = 2000 KILO BYTES
REQUIRED BLANK COMMON FOR THIS STEP= 655

N O D A L L O A D S (S T A T I C) O R M A S S E S (D Y N A M I C)

NODE NUMBER	LOAD CASE	X-AXIS FORCE	Y-AXIS FORCE	Z-AXIS FORCE	X-AXIS MOMENT	Y-AXIS MOMENT	Z-AXIS MOMENT
2	1	0.00000E-01	0.00000E-01	2.65000E 05	0.00000E-01	0.00000E-01	0.00000E-01
3	1	0.00000E-01	0.00000E-01	3.75000E 05	0.00000E-01	0.00000E-01	0.00000E-01
4	1	0.00000E-01	0.00000E-01	1.92000E 05	0.00000E-01	0.00000E-01	0.00000E-01
6	1	0.00000E-01	0.00000E-01	1.17000E 05	0.00000E-01	0.00000E-01	0.00000E-01
7	1	0.00000E-01	0.00000E-01	1.17000E 05	0.00000E-01	0.00000E-01	0.00000E-01
9	1	0.00000E-01	0.00000E-01	1.52000E 05	0.00000E-01	0.00000E-01	0.00000E-01
11	1	0.00000E-01	0.00000E-01	2.40000E 05	0.00000E-01	0.00000E-01	0.00000E-01
12	1	0.00000E-01	0.00000E-01	3.90000E 05	0.00000E-01	0.00000E-01	0.00000E-01
13	1	0.00000E-01	0.00000E-01	1.80000E 05	0.00000E-01	0.00000E-01	0.00000E-01
15	1	0.00000E-01	0.00000E-01	4.25000E 05	0.00000E-01	0.00000E-01	0.00000E-01
16	1	0.00000E-01	0.00000E-01	2.14000E 05	0.00000E-01	0.00000E-01	0.00000E-01
18	1	0.00000E-01	0.00000E-01	4.06000E 05	0.00000E-01	0.00000E-01	0.00000E-01
20	1	0.00000E-01	0.00000E-01	1.22000E 05	0.00000E-01	0.00000E-01	0.00000E-01
21	1	0.00000E-01	0.00000E-01	1.74000E 05	0.00000E-01	0.00000E-01	0.00000E-01
23	1	0.00000E-01	0.00000E-01	1.05000E 05	0.00000E-01	0.00000E-01	0.00000E-01
24	1	0.00000E-01	0.00000E-01	1.61000E 05	0.00000E-01	0.00000E-01	0.00000E-01

STRUCTURE LOAD CASE	ELEMENT A	LOAD B	MULTIPLIERS C	D
1	-1.000	0.000	0.000	0.000

S T I F F N E S S M A T R I X P A R A M E T E R S

MINIMUM NON-ZERO DIAGONAL ELEMENT = 5.868D 07
 MAXIMUM DIAGONAL ELEMENT = 1.108D 11
 MAXIMUM/MINIMUM = 1.888D 03
 AVERAGE DIAGONAL ELEMENT = 2.844D 10
 DENSITY OF THE MATRIX = 12.9 PCT.
 TOTAL DISK STORAGE:
 0.091 MILLION CHARACTERS

REQUIRED BLANK COMMON FOR THIS STEP= 590

S T A T I C A N A L Y S I S

LOAD CASE 1

DISPLACEMENTS/ROTATIONS(DEGREES) OF UNRESTRAINED NODES

NODE NUMBER	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
1	0.00000D-01	0.00000D-01	7.53885D-06	0.00000D-01	0.00000D-01	0.00000D-01
2	0.00000D-01	0.00000D-01	1.04765D-03	0.00000D-01	0.00000D-01	0.00000D-01
3	0.00000D-01	0.00000D-01	4.27465D-03	0.00000D-01	0.00000D-01	0.00000D-01
4	0.00000D-01	0.00000D-01	5.58833D-03	0.00000D-01	0.00000D-01	0.00000D-01
5	0.00000D-01	0.00000D-01	3.55194D-06	0.00000D-01	0.00000D-01	0.00000D-01
6	0.00000D-01	0.00000D-01	6.57466D-04	0.00000D-01	0.00000D-01	0.00000D-01
7	0.00000D-01	0.00000D-01	3.06967D-03	0.00000D-01	0.00000D-01	0.00000D-01
8	0.00000D-01	0.00000D-01	3.06967D-03	0.00000D-01	0.00000D-01	0.00000D-01
9	0.00000D-01	0.00000D-01	4.60943D-03	0.00000D-01	0.00000D-01	0.00000D-01
10	0.00000D-01	0.00000D-01	7.35826D-06	0.00000D-01	0.00000D-01	0.00000D-01
11	0.00000D-01	0.00000D-01	1.37992D-03	0.00000D-01	0.00000D-01	0.00000D-01
12	0.00000D-01	0.00000D-01	4.05266D-03	0.00000D-01	0.00000D-01	0.00000D-01
13	0.00000D-01	0.00000D-01	5.57543D-03	0.00000D-01	0.00000D-01	0.00000D-01
14	0.00000D-01	0.00000D-01	9.47530D-06	0.00000D-01	0.00000D-01	0.00000D-01
15	0.00000D-01	0.00000D-01	1.77556D-03	0.00000D-01	0.00000D-01	0.00000D-01
16	0.00000D-01	0.00000D-01	5.02622D-03	0.00000D-01	0.00000D-01	0.00000D-01
17	0.00000D-01	0.00000D-01	5.02622D-03	0.00000D-01	0.00000D-01	0.00000D-01
18	0.00000D-01	0.00000D-01	7.19525D-03	0.00000D-01	0.00000D-01	0.00000D-01
19	0.00000D-01	0.00000D-01	2.70782D-06	0.00000D-01	0.00000D-01	0.00000D-01
20	0.00000D-01	0.00000D-01	6.83920D-04	0.00000D-01	0.00000D-01	0.00000D-01
21	0.00000D-01	0.00000D-01	2.89323D-03	0.00000D-01	0.00000D-01	0.00000D-01
22	0.00000D-01	0.00000D-01	2.41328D-06	0.00000D-01	0.00000D-01	0.00000D-01
23	0.00000D-01	0.00000D-01	7.32706D-04	0.00000D-01	0.00000D-01	0.00000D-01
24	0.00000D-01	0.00000D-01	1.52944D-03	0.00000D-01	0.00000D-01	0.00000D-01

BEAM ELEMENT FORCES AND MOMENTS

BEAM NO.	LOAD NO.	AXIAL R1	SHEAR R2	SHEAR R3	TORSION M1	BENDING M2	BENDING M3
1	1	-8.293E 05 8.293E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
2	1	-5.670E 05 5.670E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
3	1	-1.920E 05 1.920E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
4	1	-3.907E 05 3.907E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
5	1	-2.691E 05 2.691E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
6	1	-1.520E 05 1.520E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
7	1	-8.094E 05 8.094E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
8	1	-5.700E 05 5.700E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
9	1	-1.800E 05 1.800E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
10	1	-1.042E 06 1.042E 06	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
11	1	-6.200E 05 6.200E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
12	1	-4.060E 05 4.060E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
13	1	-2.979E 05 2.979E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
14	1	-1.740E 05 1.740E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
15	1	-2.655E 05 2.655E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
16	1	-1.610E 05 1.610E 05	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01
17	1	0.000E-01 0.000E-01	-1.521E 03 1.521E 03	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	-1.025E 06 -1.025E 06
18	1	0.000E-01 0.000E-01	-2.678E 01 2.678E 01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	-1.805E 04 -1.805E 04
19	1	0.000E-01 0.000E-01	3.140E 02 -3.140E 02	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	1.687E 05 -1.687E 05
20	1	0.000E-01 0.000E-01	-1.385E 00 1.385E 00	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	-7.441E 02 7.441E 02
21	1	0.000E-01 0.000E-01	-2.472E 02 2.472E 02	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	-1.871E 05 1.871E 05
22	1	0.000E-01 0.000E-01	2.107E 01 -2.107E 01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	1.596E 04 -1.596E 04
23	1	0.000E-01 0.000E-01	-1.164E 03 1.164E 03	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	-9.218E 05 9.218E 05
24	1	0.000E-01 0.000E-01	-1.442E 01 1.442E 01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	-1.142E 04 1.142E 04
25	1	0.000E-01 0.000E-01	-1.575E 01 1.575E 01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	-1.564E 02 1.564E 02
26	1	0.000E-01 0.000E-01	3.248E 03 -3.248E 03	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	2.111E 06 -2.111E 06
27	1	0.000E-01 0.000E-01	5.900E 01 -5.900E 01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	2.728E 04 -2.728E 04
28	1	0.000E-01 0.000E-01	1.539E 00 -1.539E 00	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	7.116E 02 -7.116E 02
29	1	0.000E-01 0.000E-01	2.675E 03 -2.675E 03	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	1.398E 06 -1.398E 06
30	1	0.000E-01 0.000E-01	4.049E 01 -4.049E 01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	2.116E 04 -2.116E 04
31	1	0.000E-01 0.000E-01	8.397E-01 -8.397E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	0.000E-01 0.000E-01	5.645E 02 -5.645E 02

H4 1-116

BOUNDARY ELEMENT FORCES / MOMENTS

ELEMENT NUMBER	LOAD CASE	FORCE	MOMENT
1	1	0.00000E 00	0.00000E 00
2	1	0.00000E 00	0.00000E 00
3	1	0.00000E 00	0.00000E 00
4	1	0.00000E 00	0.00000E 00
5	1	0.00000E 00	0.00000E 00
6	1	0.00000E 00	0.00000E 00
7	1	0.00000E 00	0.00000E 00
8	1	0.00000E 00	0.00000E 00
9	1	0.00000E 00	0.00000E 00
10	1	0.00000E 00	0.00000E 00
11	1	0.00000E 00	0.00000E 00
12	1	0.00000E 00	0.00000E 00
13	1	0.82927E 06	0.00000E 00
14	1	0.39071E 06	0.00000E 00
15	1	0.80941E 06	0.00000E 00
16	1	0.10423E 07	0.00000E 00
17	1	0.29786E 06	0.00000E 00
18	1	0.26546E 06	0.00000E 00

STATIC SOLUTION TIME LOG

EQUATION SOLUTION = 2.09
 DISPLACEMENT OUTPUT = 1.27
 STRESS RECOVERY = 6.27
 STORAGE INFORMATION

7 : 0.000 MILLION CHARACTERSS
 8 : 0.003 MILLION CHARACTERSS
 9 : 0.001 MILLION CHARACTERSS
 10 : 0.000 MILLION CHARACTERSS
 11 : 0.055 MILLION CHARACTERSS
 12 : 0.001 MILLION CHARACTERSS
 13 : 0.006 MILLION CHARACTERSS
 14 : 0.003 MILLION CHARACTERSS
 15 : 0.000 MILLION CHARACTERSS
 16 : 0.001 MILLION CHARACTERSS
 17 : 0.000 MILLION CHARACTERSS

TOTAL DISK STORAGE:
 0.070 MILLION CHARACTERS

LATA-HEDL-44

FINAL REPORT
THREE-DIMENSIONAL FINITE-ELEMENT
SEISMIC ANALYSIS OF THE FMEF PROCESS BUILDING
for the
Hanford Engineering Development Laboratory
by
Los Alamos Technical Associates, Inc.
February 1980

LATA-HEDL-44

Three-Dimensional Finite-Element
Seismic Analysis of the FMEF Process Building

by

B. J. Donham
E. M. Cole
T. M. Rudell

February 1980

Los Alamos Technical Associates, Inc.
Los Alamos, New Mexico

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1.0 INTRODUCTION AND SCOPE

This report presents the results of work performed for the Hanford Engineering Development Laboratory (HEDL) under contract Y9A-S44-69823. Engineering efforts provided under this contract are described in two separate statements of work and the results are combined into this single report.

The Los Alamos Technical Associates, Inc. (LATA) has performed an independent review of the Norman Engineering Co. (NEC) structural analysis of the Fuels and Materials Examination Facility (FMEF) with emphasis on the loads, loading conditions, and design analyses of the building foundation slab and the seismic analyses models, methods, and applications. Further, LATA has performed a three-dimensional finite element seismic analysis of the FMEF Process Building using a modal analysis technique. The results of this analysis, including node point displacements, element stresses, base shears, and overturning moments have been compared with the results obtained by NEC using a different analytical model.

The following report presents the results of the two studies described.

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2.0 CRITERIA FOR ANALYSIS

Building configuration, load and mass data, and seismic response spectra definitions for the FMEF Process Building are contained in the NEC document "Basis for Design," and on drawings supplied by NEC through HEDL. Building response spectra were input at the -35-ft level with portions of the structure supported at other elevations modeled using equivalent soil spring columns. Seismic excitation was applied in the vertical and two lateral directions. The vertical spectra were taken as two-thirds of the lateral spectra values. Modal contributions were combined by the square-root-of-the-sum-of-the-squares method.

3.0 DEVELOPMENT OF THE ANALYTICAL MODEL

The initial development of the three-dimensional finite element model for the FMEF Process Building consisted of determining which portions of the building are the most structurally significant and establishing a general gridwork for the model. The portions of the building selected for structural modeling were those constructed from either normal or heavyweight concrete. The entry wing, the air supply shaft, and the portion of the building exhaust extending above the roof were not modeled. The primary SAP-V element type used was a Type 6 plate and shell element (quadrilateral) for floor and roof slabs as well as walls. Type 2 three-dimensional beam elements were used in the FMEF shipping and receiving area where building pilasters or beams were of structural importance.

The model gridwork was adapted from the lettered (B through H) and numbered (02 through 11) column lines of the NEC drawings.¹ The adaptation consisted of first moving the NEC Column Line 11 a distance of 3 ft 2 in. to the east and the NEC Column Line H a distance of 7 in. to the south so that the LATA Column Line H is centered in the 1-ft-2-in.-thick wall on the 0-ft floor plan. The LATA Column Line 11 was selected as the X-axis and the LATA Column Line H as the Y-axis for the model. To complete the right-handed coordinate system, the Z-axis is normal to the X- and Y-axes with the three-dimensional origin located at 2 ft 6 in. below the -35-ft floor at the intersection of the X- and Y-axes. Other model column lines and floors were located relative to the selected origin as indicated in Tables 3-1 through 3-3. Model column lines were added or moved so that the model gridwork would run through the center of primary structural elements and would maintain a maximum aspect ratio of panel sides at 3 to 1.

After the gridwork was established, the model node points were numbered from 1 through 614 to represent the building structure and an additional 112 nodes were numbered for building-soil interaction elements. The building was then divided into three types of groups to determine where panel elements were required and to establish panel

TABLE 3-1

LOCATION OF LATA MODEL LETTERED COLUMN LINES

<u>LATA Model Column Line</u>	<u>X Distance from Origin (inches)</u>	<u>Δ X Distance Between Model Column Lines (inches)*</u>
H	0	
G	282	282
F	508	226
E ₂	709	201
E	1054	345
D	1280	226
C	1562	282
B	1718	156
A ₂	1874	156
A ₁	2240	366

* Δ between Column Lines H and G = 282 in.

TABLE 3-2

LOCATION OF LATA MODEL NUMBERED COLUMN LINES

<u>LATA Model Column Line</u>	<u>Y Distance from Origin (inches)</u>	<u>Δ Y Distance Between Model Column Lines (inches)*</u>
11	0	
10	266	266
9	505	239
8	740	235
7	988	248
6	1160	172
5a	1607	447
4a	1916	309
4	2408	492
3	2643	235
2a	2776	133
1	3087	311
02	3673	586

* Δ between Column Lines 11 and 10 = 266 in.

TABLE 3-3

LOCATION OF LATA MODEL FLOORS

<u>LATA Model Floor Elevation (feet)</u>	<u>Z Distance from Origin (inches)</u>	<u>Δ Z Distance Between Floors (inches)*</u>
-35	0	
-17.5	240	240
0	414	174
21.25	702	288
42.5	924	222
70	1260	336
94	1574	318

* Δ between elevations -35 ft and -17.5 ft = 240 in.

thicknesses, areas, weights, and loads. All floor and roof slabs were selected as one group. It was assumed that these elements contain all live loads (such as from equipment) and that these live loads are distributed to panel node points. Loads for areas extending below the -35-ft level were included in the -35-ft values. The elevator serves as an example of how one live load was treated. The elevator load was distributed at four node points on the FMEF roof so that the worst load condition could be assumed. All stairways were considered as parts of the floor slabs.

The second group constituted the lettered column line walls. For these walls, the heights were adjusted to neglect floor slab thicknesses and the widths were adjusted to neglect numbered column line wall thicknesses.

The third group consisted of the numbered column line walls. For these walls, the heights were adjusted to neglect floor slab thicknesses. The general technique used for all three groups was to assume that very thin walls (which appeared to be sheetrock or removable partitions) and thin metal flooring did not contribute structurally. Therefore, where these items occur in the FMEF, no panel element would be used in the model and some appropriate mass would be distributed at affected node points. Concrete block walls and knockout panels were also considered as nonstructural. In building areas where an open space extended over 50% or more of a model grid area, the area was considered open in the model and only nonstructural mass was added at appropriate node points. Where less than 50% of a model grid area was open, an equivalent thickness was calculated for the entire grid area and structural strength was decreased in proportion to the opening size. Items such as personnel doors and elevator shaft doors were considered nonstructural so that only mass was added at node points. Nonstructural and equipment masses were distributed relative to where the mass was located in the building. Equipment centered in a panel element contributed mass to four node points, while nonstructural pilasters or beams would contribute to either two vertical or two horizontal node point masses.

A summary of the element groups used to represent the building structure is given in Table 3-4. There are three groups of Type 6 elements for each building floor and an additional group for the roof slabs. Only one group of Type 2 elements was used to represent beams/pilasters in the building. A second group of Type 2 elements was used to represent the vertical interactions of the structure with the soil for the three lower floors. No lateral interaction with the ground was considered in the model.

Actual numbering systems used in the model are illustrated in Figures 3-1 through 3-30. The nodes and each group of panels are numbered from the origin out along the Y-axis, then back to the X-axis and out again along the Y-axis from the -35-ft floor up through the 94-ft roof. In the figures, the panels are grouped by letter prefixes to distinguish one floor from another. As an example, the A prefix is used for the -35-ft floor panel groups, the B prefix for the -17.5-ft floor, C for the 0-ft floor, etc.

TABLE 3-4

GROUPS OF STRUCTURAL ELEMENTS

Group Number*	Number of Elements	Floor Prefix	Description
T6F1	49	A	-35 ft floor
T6L1	56	A	Lettered walls between -35 and -17.5 ft floors
T6N1	47	A	Numbered walls between -35 and -17.5 ft floors
T6F2	48	B	-17.5 ft floor
T6L2	57	B	Lettered walls between -17.5 and 0 ft floors
T6N2	43	B	Numbered walls between -17.5 and 0 ft floors
T6F3	71	C	0 ft floor
T6L3	55	C	Lettered walls between 0 and 21.25 ft floors
T6N3	60	C	Numbered walls between 0 and 21.25 ft floors
T6F4	63	D	21.25 ft floor
T6L4	47	D	Lettered walls between 21.25 and 42.5 ft floors
T6N4	55	D	Numbered walls between 21.25 and 42.5 ft floors
T6F5	58	E	42.5 ft floor
T6L5	44	E	Lettered walls between 42.5 and 70 ft floors
T6N5	37	E	Numbered walls between 42.5 and 70 ft floors
T6F6	39	F	70 ft floor
T6L6	39	F	Lettered walls between 70 ft floor and roof
T6N6	26	F	Numbered walls between 70 ft floor and roof
T6F7	63	G	Roof structure
T2	18	(none)	Shipping and receiving area

* T6F1 indicates a group of Type 6 (T6) plate and shell elements which represent the floor slabs (F) at the -35-ft floor level. Similarly, L indicates lettered column lines and N indicates numbered column lines. T2 is a group of Type 2 (T2) beam elements.

Figure 3-1. Model node points and floor plate elements at -35-ft elevation (letter prefix A).

21/19

Figure 3-2. Model node points and floor plate elements at -17.5-ft elevation (letter prefix B).

Figure 3-3. Model node points and floor plate elements at 0-ft elevation (letter prefix C).

Figure 3-4. Model node points and floor plate elements at 21.25-ft elevation (letter prefix D).

Figure 3-5. Model node points and floor plate elements at 42.5-ft elevation (letter prefix E).

Figure 3-6. Model node points and floor plate elements at 70-ft elevation (letter prefix F).

[illegible]

Figure 3-7. Model node points and roof plate elements at 94-ft elevation (letter prefix G).

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Figure 3-8. Model node points and wall plate elements on column line H.

2-26
2-27

Figure 3-9. Model node points, beams and wall plate elements on column line G.

Figure 3-10. Model node points, beams and wall plate elements on column line F.

Figure 3-11. Model node points, beams and wall plate elements on column line E₂.

Figure 3-12. Model node points, beams and wall plate elements on column line E.

ja
2-30

Figure 3-13. Model node points, beams and wall plate elements on column line D.

Figure 3-14. Model node points and wall plate elements on column line C.

2-30

Figure 3-15. Model node points and wall plate elements on column line B.

2-33
1-33

Figure 3-16. Model node points and wall plate elements on column line A2.

2-34
X

Figure 3-17. Model node points and wall plate elements on column line A₁.

2-35
M

Figure 3-18. Model node points, beams and wall plate elements on column line 11.

Figure 3-19. Model node points, beams and wall plate elements on column line 10.

2-37
Y-EB

Figure 3-20. Model node points and wall plate elements on column line 9.

Elevation

H G F E₂ E D C B A₂ A₁

Figure 3-21. Model node points and wall plate elements on column line 8.

2-39
12

Elevation

H G F E₂ E D C B A₂ A₁

Figure 3-22. Model node points and wall plate elements on column line 7.

Figure 3-23. Model node points and wall plate elements on column line 6.

2-41
12

Elevation

Figure 3-24. Model node points and wall plate elements on column line 5a.

2-42
A

Elevation

94'

70'

42.5'

21.25'

0'

-17.5'

-35'

539	551	563	575	587	599	609	
466	478	487	496	505	517	527	
					E 32		
377	389	400	411	422	434	446	
	D 5	D 13	D 20	D 27	D 34	D 42	
272	284	296	305	317	330	343	356
	C 4	C 17	C 25		C 40	C 50	57
163	175	188	199	212	225	238	251
	B 6	B 18	B 26		B 38		260
82	93	105	117	128	139	150	
	A 5	A 15	A 21	A 29	A 34	A 42	
8	19	31	41	50	59	69	

H G F E₂ E D C B A₂ A₁

Figure 3-26. Model node points and wall plate elements on column line 4.

Figure 3-27. Model node points and wall plate elements on column line 3.

2-45
2

Elevation

94'

70'

42.5'

21.25'

0'

-17.5'

-35'

541	553	565	577	589	601	611
F 6					F 25	
468	480	489	498	507	519	529
E 6					E 34	
379	391	402	413	424	436	448
D 7					D 44	
274	286	298	307	319	332	345
C 6					C 42	
165	177	190	201	214	227	240
B 8					B 40	
84	95	107	119	130	141	152
A 7					A 44	
10	21				61	71

H G F E₂ E D C B A₂ A₁

Figure 3-28. Model node points and wall plate elements on column line 2a.

Elevation

H G F E2 E D C A2 A1

Figure 3-29. Model node points and wall plate elements on column line 1.

Figure 3-30. Model node points and wall plate elements on column line 02.

4.0 RESULTS OF ANALYSIS

4.1 Modal Frequencies

A modal analysis was performed using SAP-V on a CDC 7600 computer system. Seventy eigenvalues were extracted in the analysis, covering the frequency range from 3.6 to 23.2 Hz. It has been shown in previous analyses that higher frequency eigenvalues produce negligible effects on the mode combinations. As evidenced by an examination of the element stress data, most of the shear contribution is realized in the first 10 frequencies. Table 4-1 lists all eigenvalue frequencies found in the analysis.

In previous studies, major lateral building response has been found to occur at approximately 6 Hz. Lower frequencies are the result of soft elements within the structure such as the large, relatively flexible wall at Column Line 11, extending vertically from the 0.0-ft elevation to the 94-ft elevation. Mode five (6.3 Hz) appears to be the principal contributor to panel shear stresses for north-south building motion while the east-west building motion appears to be dominated by the ninth mode (8.5 Hz). These observations are consistent with earlier approximations.

4.2 Node Displacements

Displacement values in the X (N-S), Y (E-W), and Z (vertical) directions are shown in Tables 4-2, 4-3, and 4-4 for selected nodes at Column Lines 1, 6, and 11. These values are shown as a sample of the results to indicate the types and magnitudes of deformations. A complete listing of all model node displacements are included in Appendix C. It is worth noting that the maximum N-S displacement occurs at Column Line 1, and the deflection pattern indicates that the floor diaphragms provide for a relatively stiff floor motion. Motion in the E-W direction is approximately 25% of that in the N-S direction, with the exception of the midpoint of the wall panel on Column Line 11 which experiences greater motion than that at the top of the building.

TABLE 4-1
TABLE OF EIGENVALUE FREQUENCIES

PRINT OF FREQUENCIES

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)	TOLERANCE
1	.2278E+02	.3526E+01	.2758E+00	0.
2	.2304E+02	.3667E+01	.2727E+00	0.
3	.2819E+02	.4487E+01	.2228E+00	0.
4	.3751E+02	.5970E+01	.1675E+00	.5172E-14
5	.3974E+02	.6324E+01	.1581E+00	0.
6	.4266E+02	.6749E+01	.1473E+00	0.
7	.4898E+02	.7796E+01	.1283E+00	.6055E-14
8	.5226E+02	.8316E+01	.1202E+00	.1055E-13
9	.5315E+02	.8459E+01	.1152E+00	0.
10	.5502E+02	.8757E+01	.1142E+00	.9513E-14
11	.5673E+02	.9028E+01	.1108E+00	.9045E-14
12	.5692E+02	.9059E+01	.1104E+00	.2675E-13
13	.5954E+02	.9492E+01	.1054E+00	.2364E-13
14	.6135E+02	.9765E+01	.1024E+00	.2706E-13
15	.6152E+02	.9792E+01	.1021E+00	.3945E-14
16	.6195E+02	.9860E+01	.1014E+00	.1137E-13
17	.6350E+02	.1011E+02	.9894E-01	.2165E-13
18	.6391E+02	.1017E+02	.9831E-01	0.
19	.6511E+02	.1036E+02	.9650E-01	.6966E-14
20	.6574E+02	.1046E+02	.9558E-01	0.
21	.6625E+02	.1086E+02	.9206E-01	.1052E-12
22	.7116E+02	.1132E+02	.8430E-01	.4599E-13
23	.7151E+02	.1138E+02	.8787E-01	.2846E-13
24	.7273E+02	.1158E+02	.8639E-01	.5502E-14
25	.7359E+02	.1171E+02	.8538E-01	.1075E-13
26	.7597E+02	.1209E+02	.8271E-01	.5043E-14
27	.7654E+02	.1218E+02	.8209E-01	.1490E-13
28	.7934E+02	.1263E+02	.7920E-01	.9248E-14
29	.8066E+02	.1284E+02	.7789E-01	.4473E-14

TABLE 4-1
TABLE OF EIGENVALUE FREQUENCIES
(continued)

30	.8093E+02	.1289E+02	.7759E-01	.2219E-13
31	.9133E+02	.1294E+02	.7726E-01	.5720E-13
32	.8362E+02	.1331E+02	.7514E-01	.9325E-14
33	.8398E+02	.1337E+02	.7452E-01	.3714E-13
34	.8550E+02	.1362E+02	.7340E-01	.7744E-14
35	.8571E+02	.1354E+02	.7331E-01	.1307E-12
36	.9203E+02	.1455E+02	.6927E-01	.3359E-12
37	.9559E+02	.1521E+02	.6573E-01	.4332E-12
38	.9514E+02	.1530E+02	.6536E-01	.2575E-10
39	.1003E+03	.1597E+02	.6263E-01	.2555E-09
40	.1027E+03	.1634E+02	.6121E-01	.2133E-09
41	.1032E+03	.1643E+02	.6037E-01	.1442E-09
42	.1044E+03	.1651E+02	.6019E-01	.5135E-09
43	.1054E+03	.1693E+02	.5906E-01	.2772E-06
44	.1072E+03	.1706E+02	.5852E-01	.3590E-08
45	.1072E+03	.1707E+02	.5859E-01	.1655E-07
46	.1083E+03	.1724E+02	.5802E-01	.9196E-07
47	.1105E+03	.1758E+02	.5647E-01	.1142E-06
48	.1128E+03	.1795E+02	.5571E-01	.1534E-06
49	.1131E+03	.1800E+02	.5554E-01	.9518E-07
50	.1143E+03	.1819E+02	.5495E-01	.2533E-06
51	.1149E+03	.1829E+02	.5458E-01	.6127E-06
52	.1155E+03	.1838E+02	.5440E-01	.2090E-06
53	.1152E+03	.1850E+02	.5405E-01	.8307E-06
54	.1189E+03	.1892E+02	.5295E-01	.1235E-06
55	.1207E+03	.1920E+02	.5207E-01	.2743E-06
56	.1227E+03	.1953E+02	.5119E-01	.2049E-06
57	.1239E+03	.1971E+02	.5072E-01	.7249E-06
58	.1255E+03	.1999E+02	.5002E-01	.1147E-04
59	.1274E+03	.2027E+02	.4933E-01	.1061E-03
60	.1283E+03	.2042E+02	.4898E-01	.2929E-05

TABLE 4-1
TABLE OF EIGENVALUE FREQUENCIES
(concluded)

61	.1295E+03	.2060E+02	.4854E-01	.5024E-05
62	.1325E+03	.2108E+02	.4743E-01	.7018E-04
63	.1330E+03	.2117E+02	.4723E-01	.1554E-04
64	.1342E+03	.2136E+02	.4682E-01	.2230E-03
65	.1386E+03	.2206E+02	.4533E-01	.5627E-03
66	.1387E+03	.2208E+02	.4529E-01	.7212E-03
67	.1418E+03	.2256E+02	.4432E-01	.1231E-03
68	.1423E+03	.2264E+02	.4416E-01	.3647E-03
69	.1441E+03	.2294E+02	.4359E-01	.1542E-02
70	.1454E+03	.2315E+02	.4320E-01	.8497E-03

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Table 4-2
Node Displacements for Column Line 1

Node Point	Displacements (inches)		
	x	y	z
11	0.0	0.0	0.0
85	0.0490	0.0132	0.0128
108	0.0674	0.0174	0.0134
142	0.0818	0.0617	0.0258
166	0.0791	0.0231	0.0170
191	0.0842	0.0321	0.0145
228	0.0974	0.0581	0.0263
261	0.1103	0.2426	0.0040
275	0.1188	0.0425	0.0247
299	0.1181	0.0441	0.0166
333	0.1168	0.0548	0.0311
366	0.1052	0.2385	0.0043
300	0.1441	0.0552	0.0283
403	0.1414	0.0464	0.0183
437	0.1402	0.0459	0.0355
469	0.1808	0.0695	0.0332
490	0.1767	0.0690	0.0198
520	0.1742	0.0561	0.0386
542	0.2181	0.0806	0.0351
566	0.2128	0.0776	0.0202
602	0.2092	0.0854	0.0401

Table 4-3
Node Displacements for Column Line 6

Node Point	Displacements (inches)		
	x	y	z
5	0.0	0.0	0.0
28	0.0	0.0	0.0
66	0.0	0.0	0.0
79	0.0180	0.0099	0.0092
102	0.0182	0.0066	0.0039
147	0.0153	0.0101	0.0083
160	0.0348	0.0185	0.0143
185	0.0326	0.0134	0.0067
235	0.0359	0.0180	0.0133
257	0.0361	0.0288	0.0157
269	0.0763	0.0390	0.0194
293	0.0749	0.0267	0.0090
340	0.0807	0.0350	0.0175
362	0.0800	0.0410	0.0168
374	0.0952	0.0489	0.0207
397	0.0930	0.0348	0.0088
443	0.0954	0.0375	0.0177
463	0.1245	0.0656	0.0224
484	0.1230	0.0461	0.0095
524	0.1197	0.0437	0.0187
536	0.1749	0.0764	0.0227
560	0.1602	0.0693	0.0099
606	0.1598	0.0585	0.0205

Elevation	94'	70'	42.5'	21.25'	0'	-17.5'	-25'
	536	546	560	572	586	596	606
		9	12	16	20	23	
	563	575	586	598	607	616	624
	3	10	15	21	26	31	
	576	586	597	608	619	631	643
	4	12	19	26	33	41	
	569	581	593	604	614	627	640
	3		16	24		39	50.3
	560	572	585	598	609	622	635
	5	11	17	25		37	
	573	590	602	616	635	657	679
	4	12	18	27		39	
	575	596	608	619	631	644	657

H
G
F
E
D
C
B
A

2-54
in 35

Elevation

Table 4-4
Node Displacements for Column Line 11

Node Point	Displacement (inches)		
	x	y	z
23	0.0	0.0	0.0
97	0.0186	0.0057	0.0049
167	0.0354	0.0222	0.0191
180	0.0399	0.0116	0.0080
217	0.0437	0.0210	0.0137
263	0.0578	0.1350	0.0243
276	0.0635	0.0341	0.0209
289	0.0627	0.2846	0.0120
322	0.0604	0.0308	0.0170
368	0.0643	0.1662	0.0285
381	0.0840	0.0462	0.0222
393	0.0827	0.3665	0.0141
426	0.0718	0.0413	0.0196
437	0.0701	0.1830	0.0299
470	0.1126	0.0644	0.0237
482	0.1117	0.2936	0.0161
509	0.1099	0.0528	0.0224
543	0.1371	0.0824	0.0245
555	0.1368	0.0779	0.0168
591	0.1352	0.0746	0.0232

4.3 Element Stresses

Element stresses are presented for selected points at each floor level. These stress conditions are shown in Tables 4-5 through 4-23 and are arranged in the following order: floor stresses, stresses in E-W walls, and stresses in N-S walls. These three sets of stresses are presented for each floor level, beginning with elevation -35 ft and progressing to the roof panels at elevation 94 ft. Comments regarding the severity of the calculated shear stresses are contained in a later section of the report, and comparisons of those with the results obtained by NEC are presented in Section 5.0.

4.4 Base Shear and Overturning

Base shear forces and overturning effects for the N-S motion are the predominate loads for structure overturning conditions. Floor shears and equivalent lateral static load for the N-S direction are shown in Figure 4-8. Total base shear is approximately 33% of the structure weight; a value consistent with previous assessments. Considering the maximum overturning potential, the ratio of resistive movement to overturning is 2.6. This value exceeds the minimum permissible value of 1.1 and is therefore acceptable. The overturning ratio for the E-W direction is larger still and is judged acceptable without further calculations.

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Figure 4-1. DE cell level floor plan, -35-ft elevation.

TABLE 4-5
ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Z PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.

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TABLE 4-5

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (9)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (10)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (11)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (12)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (13)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (14)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (15)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (16)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

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TABLE 4-5

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.

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TABLE 4-5

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (25)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (26)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (27)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (28)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (29)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (30)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (31)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (32)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

Los Alamos Technical Associates, Inc.

TABLE 4-5

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (33)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (34)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (35)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (36)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (37)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (38)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (39)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (40)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

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TABLE 4-5

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (41)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (42)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (43)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (44)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (45)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (46)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (47)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (48)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

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TABLE 4-5

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Z PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (49)					
		XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
		0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.	0.	0.

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TABLE 4-6

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Y PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.585E+02	-1.604E+01	4.987E+01	1.320E-11	2.640E-11	-5.239E+02
RESULTANT	1.699E+02	1.838E+01	6.545E+01	1.511E-11	3.023E-11	6.634E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	-2.041E+02	-1.596E+01	-3.330E+01	-3.959E-11	-2.386E-11	2.477E+02
RESULTANT	2.117E+02	1.920E+01	5.385E+01	4.361E-11	2.639E-11	3.153E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-2.047E+02	-2.484E+01	-4.103E+01	0.	7.603E-12	-1.575E+02
RESULTANT	2.103E+02	2.604E+01	5.285E+01	0.	8.110E-12	1.660E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.974E+02	-2.091E+01	-4.327E+01	0.	0.	8.920E+01
RESULTANT	2.018E+02	2.171E+01	5.629E+01	0.	0.	1.483E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.504E+02	-2.585E+01	-4.933E+01	-6.406E-12	0.	3.255E+02
RESULTANT	1.532E+02	2.617E+01	6.084E+01	6.571E-12	0.	3.571E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-9.382E+01	-3.081E+01	-5.103E+01	1.107E-11	1.107E-11	-2.399E+02
RESULTANT	9.668E+01	3.112E+01	6.697E+01	1.117E-11	1.117E-11	2.700E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.546E+02	-2.970E+01	-5.453E+01	-1.342E-11	-8.321E-12	-3.134E+02
RESULTANT	1.574E+02	3.070E+01	8.618E+01	1.365E-11	8.448E-12	3.376E+02

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TABLE 4-6

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.225E+02	-2.763E+01	-6.082E+01	-5.565E-11	-3.293E-11	-4.042E+02
RESULTANT	2.272E+02	2.844E+01	8.928E+01	5.722E-11	3.382E-11	4.949E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.218E+02	-2.130E+01	-5.469E+01	-5.009E-11	-5.009E-11	-1.462E+02
RESULTANT	2.281E+02	2.292E+01	7.664E+01	5.206E-11	5.206E-11	2.019E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.458E+02	-2.179E+01	-5.113E+01	1.300E-11	1.300E-11	-1.101E+03
RESULTANT	2.592E+02	2.322E+01	7.606E+01	1.358E-11	1.358E-11	1.374E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)						
	XX-S/R 9	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	3.744E+01	-1.018E+01	-3.492E+01	-1.217E-10	-9.749E-11	4.472E+02
RESULTANT	5.782E+01	1.560E+01	4.493E+01	1.352E-10	1.085E-10	5.880E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.847E+01	-5.761E+00	-3.475E+01	-2.719E-11	-6.989E-11	-7.525E+02
RESULTANT	3.120E+01	8.057E+00	4.245E+01	2.869E-11	7.360E-11	7.609E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)						
	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	-3.036E+01	2.039E+00	-3.344E+01	-6.292E-11	-6.292E-11	1.244E+02
RESULTANT	3.740E+01	4.327E+00	4.125E+01	6.540E-11	6.540E-11	2.088E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)						
	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-4.278E+01	-1.054E+01	-2.433E+01	-1.135E-11	1.135E-11	9.972E+02
RESULTANT	4.471E+01	1.438E+01	2.922E+01	1.166E-11	1.166E-11	1.055E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)						
	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 0	XY-M/R 5
MAXIMUM	-4.869E+01	2.119E+01	-2.787E+01	-2.474E-12	0.	-1.232E+02
RESULTANT	5.293E+01	3.236E+01	3.456E+01	2.498E-12	0.	1.260E+02

Los Alamos Technical Associates, Inc.

TABLE 4-6

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R 9	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.283E+01	-8.649E+00	-4.544E+01	-6.313E-12	-3.971E-12	-1.374E+02
RESULTANT	3.969E+01	1.084E+01	5.667E+01	6.413E-12	4.023E-12	1.567E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.228E+01	-2.820E+01	-6.479E+01	-2.652E-11	-2.106E-11	-1.601E+02
RESULTANT	4.003E+01	3.700E+01	1.019E+02	2.728E-11	2.166E-11	1.833E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-4.210E+01	-3.591E+01	-5.503E+01	-3.212E-11	-3.212E-11	-1.733E+02
RESULTANT	6.044E+01	4.573E+01	8.437E+01	3.350E-11	3.350E-11	2.149E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-7.569E+01	-1.171E+01	6.354E+01	1.437E-11	1.437E-11	-1.328E+03
RESULTANT	1.195E+02	1.649E+01	1.003E+02	1.517E-11	1.517E-11	1.632E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	3.697E+01	-7.274E+00	-1.914E+01	-5.186E-11	-5.186E-11	2.110E+03
RESULTANT	6.684E+01	1.103E+01	3.508E+01	7.661E-11	7.661E-11	2.834E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R 9	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 9
MAXIMUM	2.073E+01	-6.606E+00	-2.624E+01	7.784E-11	1.557E-10	-1.962E+03
RESULTANT	2.781E+01	1.209E+01	3.265E+01	9.241E-11	1.848E-10	3.133E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	-3.064E+01	8.819E+00	-2.715E+01	-2.474E-10	-2.474E-10	1.370E+03
RESULTANT	4.501E+01	1.063E+01	3.269E+01	2.767E-10	2.767E-10	1.920E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-5.165E+01	-6.212E+00	-2.677E+01	-7.925E-10	-1.022E-09	-1.188E+04
RESULTANT	5.794E+01	8.894E+00	3.186E+01	8.342E-10	1.073E-09	1.202E+04

Los Alamos Technical Associates, Inc.

TABLE 4-6

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-7.576E+01	-1.038E+01	-3.084E+01	-9.879E-10	-9.879E-10	-9.803E+03
RESULTANT	7.847E+01	1.200E+01	3.653E+01	1.024E-09	1.024E-09	9.875E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-4.573E+01	-9.266E+00	-2.597E+01	-9.585E-11	9.585E-11	7.936E+03
RESULTANT	4.732E+01	1.311E+01	3.144E+01	9.839E-11	9.839E-11	8.387E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-7.806E+01	-1.304E+01	-4.156E+01	-2.158E-10	-1.336E-10	-6.080E+03
RESULTANT	9.095E+01	1.358E+01	5.526E+01	2.187E-10	1.351E-10	6.657E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

	XX-S/R ₉	YY-S/R ₉	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₇
MAXIMUM	2.962E+01	5.815E+00	1.719E+01	-5.001E-11	-5.001E-11	9.214E+02
RESULTANT	4.780E+01	7.884E+00	2.774E+01	7.448E-11	7.448E-11	1.281E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

	XX-S/R ₅	YY-S/R ₉	XY-S/R ₉	XX-M/R ₀	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-5.609E+01	8.431E+00	-2.382E+01	0.	7.714E-12	-1.623E+02
RESULTANT	6.773E+01	1.443E+01	3.326E+01	0.	8.960E-12	2.945E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₇
MAXIMUM	-7.143E+01	-8.792E+00	-2.334E+01	-1.724E-10	-1.378E-10	3.637E+02
RESULTANT	8.009E+01	1.266E+01	3.099E+01	1.874E-10	1.500E-10	4.765E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-8.383E+01	-1.236E+01	-2.334E+01	-3.217E-11	-7.900E-11	5.528E+02
RESULTANT	8.828E+01	1.378E+01	2.820E+01	3.383E-11	8.288E-11	7.311E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-5.543E+01	-7.829E+00	-3.024E+01	-1.246E-10	-1.246E-10	-9.927E+02
RESULTANT	5.762E+01	8.603E+00	3.821E+01	1.290E-10	1.290E-10	1.017E+03

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TABLE 4-6

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₉	XX-M/R ₅	YY-M/R ₀	XY-M/R ₅
MAXIMUM	-7.417E+00	-1.605E+00	-2.524E+01	-4.976E-11	0.	2.956E+03
RESULTANT	1.070E+01	2.367E+00	3.000E+01	5.109E-11	0.	3.143E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₉	XX-M/R ₅	YY-M/R ₀	XY-M/R ₅
MAXIMUM	1.311E+01	5.213E+00	-2.460E+01	-1.623E-10	0.	-4.366E+03
RESULTANT	1.553E+01	6.388E+00	2.908E+01	1.642E-10	0.	4.624E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)						
	XX-S/R ₉	YY-S/R ₁₂	XY-S/R ₉	XX-M/R ₀	YY-M/R ₅	XY-M/R ₇
MAXIMUM	2.192E+01	-1.821E+00	-3.782E+01	0.	7.779E-12	8.485E+01
RESULTANT	2.931E+01	3.057E+00	4.989E+01	0.	9.007E-12	1.689E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)						
	XX-S/R ₉	YY-S/R ₉	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₇
MAXIMUM	3.731E+01	3.822E+00	-3.976E+01	-2.140E-11	-1.712E-11	4.494E+01
RESULTANT	5.434E+01	6.389E+00	5.302E+01	2.322E-11	1.859E-11	5.581E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₇
MAXIMUM	6.182E+01	6.274E+00	-3.026E+01	-2.717E-10	-6.781E-10	2.104E+03
RESULTANT	7.969E+01	8.693E+00	4.028E+01	2.851E-10	7.097E-10	2.952E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	7.431E+01	4.960E+00	-2.787E+01	-4.410E-09	-4.410E-09	-1.424E+04
RESULTANT	8.232E+01	6.509E+00	3.697E+01	4.563E-09	4.563E-09	1.482E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	4.879E+01	8.904E+00	-2.728E+01	-8.792E-10	8.792E-10	5.397E+04
RESULTANT	5.149E+01	9.207E+00	3.800E+01	9.022E-10	9.022E-10	5.772E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	2.271E+01	1.222E+01	-2.709E+01	1.355E-09	1.355E-09	-1.133E+04
RESULTANT	2.490E+01	1.251E+01	3.753E+01	1.371E-09	1.371E-09	1.526E+04

TABLE 4-6

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₀	XY-M/R ₅
MAXIMUM	6.611E+01	1.272E+01	-2.552E+01	-7.876E-10	0.	-2.791E+04
RESULTANT	7.492E+01	1.339E+01	4.335E+01	7.978E-10	0.	3.018E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

	XX-S/R ₉	YY-S/R ₉	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	1.548E+01	-3.614E+00	-1.447E+01	-1.729E-09	-1.729E-09	2.847E+04
RESULTANT	2.387E+01	5.589E+00	2.159E+01	1.821E-09	1.821E-09	3.276E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

	XX-S/R ₅	YY-S/R ₉	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₉
MAXIMUM	-8.211E+00	-3.397E+00	-1.664E+01	-1.464E-09	-1.464E-09	2.637E+03
RESULTANT	1.299E+01	5.096E+00	2.446E+01	1.519E-09	1.519E-09	4.281E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

	XX-S/R ₂₁	YY-S/R ₉	XY-S/R ₉	XX-M/R ₀	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-9.335E+00	-2.252E+00	-1.521E+01	0.	5.500E-10	2.161E+04
RESULTANT	1.317E+01	2.979E+00	2.265E+01	0.	5.648E-10	2.290E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

	XX-S/R ₂₁	YY-S/R ₅	XY-S/R ₇	XX-M/R ₅	YY-M/R ₅	XY-M/R ₇
MAXIMUM	-7.545E+00	3.682E+00	1.425E+01	3.733E-10	3.733E-10	4.538E+03
RESULTANT	1.047E+01	4.495E+00	2.284E+01	3.767E-10	3.767E-10	5.589E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₇	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-1.161E+01	1.185E+01	2.092E+01	-2.201E-10	-3.156E-10	-2.637E+04
RESULTANT	1.865E+01	1.535E+01	3.142E+01	2.244E-10	3.200E-10	2.748E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	6.450E+01	1.093E+02	-1.015E+02	-2.220E-11	-2.220E-11	-4.808E+02
RESULTANT	1.129E+02	1.302E+02	1.342E+02	2.296E-11	2.296E-11	5.922E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₇	XX-M/R ₅	YY-M/R ₅	XY-M/R ₇
MAXIMUM	1.120E+02	9.870E+00	5.640E+01	1.651E-11	3.303E-11	3.871E+02
RESULTANT	1.260E+02	1.256E+01	7.827E+01	1.906E-11	3.812E-11	6.497E+02

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TABLE 4-6

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁹
MAXIMUM	1.017E+02	1.555E+01	3.854E+01	0.	7.945E-12	1.053E+02
RESULTANT	1.076E+02	1.762E+01	5.246E+01	0.	8.449E-12	1.562E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	1.317E+02	1.651E+01	4.269E+01	0.	0.	1.644E+02
RESULTANT	1.359E+02	1.781E+01	7.415E+01	0.	0.	1.974E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	1.317E+02	2.092E+01	4.108E+01	4.854E-12	0.	3.855E+02
RESULTANT	1.346E+02	2.130E+01	5.463E+01	4.978E-12	0.	4.052E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	7.627E+01	2.692E+01	4.010E+01	5.596E-12	5.596E-12	5.245E+01
RESULTANT	7.721E+01	2.715E+01	5.463E+01	5.639E-12	5.639E-12	6.287E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.353E+02	2.936E+01	4.801E+01	9.485E-12	5.454E-12	4.344E+02
RESULTANT	1.372E+02	3.023E+01	7.114E+01	9.642E-12	5.533E-12	4.501E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.223E+02	2.315E+01	5.065E+01	4.559E-11	2.682E-11	4.597E+02
RESULTANT	2.284E+02	2.413E+01	7.133E+01	4.667E-11	2.745E-11	4.970E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.630E+02	1.932E+01	4.098E+01	4.280E-11	4.280E-11	9.123E+02
RESULTANT	2.755E+02	2.037E+01	6.014E+01	4.406E-11	4.406E-11	1.112E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	2.491E+02	2.280E+01	6.891E+01	2.201E-11	1.764E-11	5.238E+01
RESULTANT	2.663E+02	2.430E+01	1.031E+02	2.386E-11	1.914E-11	8.574E+01

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TABLE 4-6

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
Y PREFIX
(concluded)

	ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)					
	XX-S/R 5	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 9
MAXIMUM	2.442E+02	2.316E+01	6.741E+01	-4.212E-12	-1.053E-11	3.611E+01
RESULTANT	2.554E+02	2.626E+01	9.485E+01	4.413E-12	1.101E-11	4.747E+01

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TABLE 4-7
ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
X PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-9.660E+01	-1.052E+01	-5.798E+01	2.372E-11	-1.130E-11	-1.088E+03
RESULTANT	1.138E+02	1.303E+01	7.318E+01	3.408E-11	1.675E-11	1.438E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	-1.178E+02	8.090E+00	-7.569E+01	1.584E-13	1.584E-13	-2.224E+01
RESULTANT	1.315E+02	1.522E+01	8.809E+01	2.479E-13	2.479E-13	2.436E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	-1.144E+02	7.058E+00	-5.690E+01	1.110E-11	5.552E-12	-1.385E+02
RESULTANT	1.195E+02	1.065E+01	6.296E+01	1.408E-11	7.039E-12	1.472E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	-1.236E+02	-1.565E+01	-8.310E+01	1.158E-11	5.791E-12	9.682E+01
RESULTANT	1.268E+02	1.606E+01	8.663E+01	1.405E-11	7.025E-12	1.483E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	-9.279E+01	-2.525E+00	-9.305E+01	-1.042E-12	8.486E-12	-1.866E+02
RESULTANT	1.012E+02	5.359E+00	9.579E+01	1.459E-12	1.237E-11	2.613E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	-1.472E+02	-2.134E+01	-1.455E+02	8.601E-12	8.601E-12	7.462E+01
RESULTANT	1.529E+02	2.191E+01	1.532E+02	1.275E-11	1.275E-11	1.145E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.168E+02	-3.627E+01	-1.546E+02	0.	0.	8.309E+01
RESULTANT	1.282E+02	3.958E+01	1.648E+02	0.	0.	1.064E+02

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TABLE 4-7

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	-1.167E+02	-5.987E+01	-2.604E+02	4.225E-12	4.225E-12	6.788E+02
RESULTANT	1.807E+02	6.539E+01	2.910E+02	5.332E-12	5.332E-12	8.134E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)						
	XX-S/R ₅	YY-S/R ₇	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₉
MAXIMUM	-2.989E+01	-2.655E+00	-4.968E+01	2.458E-11	0.	1.256E+03
RESULTANT	4.877E+01	4.352E+00	6.596E+01	3.136E-11	0.	1.596E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)						
	XX-S/R ₉	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₉
MAXIMUM	4.145E+01	1.408E+01	-7.318E+01	1.287E-12	0.	7.124E+01
RESULTANT	6.064E+01	1.958E+01	8.838E+01	1.573E-12	0.	9.931E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₀	YY-M/R ₀	XY-M/R ₉
MAXIMUM	-2.541E+01	6.710E+00	-8.319E+01	0.	0.	5.049E+02
RESULTANT	3.975E+01	1.013E+01	8.875E+01	0.	0.	8.564E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₀	YY-M/R ₀	XY-M/R ₇
MAXIMUM	-6.463E+01	-1.486E+01	-1.247E+02	0.	0.	3.371E+02
RESULTANT	6.749E+01	1.537E+01	1.289E+02	0.	0.	5.131E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₉
MAXIMUM	-2.525E+01	-9.363E+00	-4.029E+01	2.519E-09	-3.028E-09	-8.922E+04
RESULTANT	2.667E+01	9.639E+00	4.091E+01	2.972E-09	3.527E-09	1.110E+05

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₇
MAXIMUM	-4.255E+01	-4.799E+00	-8.855E+01	6.012E-12	0.	9.702E+01
RESULTANT	5.073E+01	8.102E+00	8.921E+01	7.425E-12	0.	1.020E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	-4.754E+01	-2.264E+01	-1.710E+02	4.394E-11	1.486E-11	4.337E+02
RESULTANT	7.481E+01	2.404E+01	1.741E+02	5.713E-11	2.001E-11	5.712E+02

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TABLE 4-7
 ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
 X PREFIX
 (continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₇
MAXIMUM	-4.713E+01	-1.127E+01	-1.686E+02	8.438E-12	0.	2.277E+02
RESULTANT	5.763E+01	1.215E+01	1.751E+02	1.227E-11	0.	3.198E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)						
	XX-S/R ₉	YY-S/R ₉	XY-S/R ₇	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	5.364E+01	2.262E+00	-6.667E+01	-1.648E-12	4.106E-12	1.561E+02
RESULTANT	8.578E+01	4.518E+00	1.012E+02	2.331E-12	5.924E-12	2.275E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₇
MAXIMUM	-5.778E+01	-7.932E+00	-1.010E+02	-1.388E-10	0.	1.651E+03
RESULTANT	6.023E+01	8.585E+00	1.048E+02	1.619E-10	0.	2.540E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	3.567E+00	-9.011E+00	-5.126E+01	-9.462E-11	3.134E-10	5.256E+03
RESULTANT	6.970E+00	9.543E+00	5.229E+01	1.102E-10	3.660E-10	6.920E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)						
	XX-S/R ₉	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₅
MAXIMUM	-1.406E+01	7.693E+00	-7.383E+01	-2.081E-11	0.	-4.871E+02
RESULTANT	2.450E+01	9.334E+00	7.495E+01	2.488E-11	0.	7.089E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₅
MAXIMUM	-7.756E+01	-8.201E+00	-1.222E+02	-2.191E-10	0.	-3.156E+03
RESULTANT	1.017E+02	1.202E+01	1.253E+02	2.655E-10	0.	4.415E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)						
	XX-S/R ₈	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	2.692E+01	-4.308E+00	-1.736E+02	-4.095E-12	1.114E-11	-3.386E+02
RESULTANT	3.988E+01	6.639E+00	1.806E+02	5.601E-12	1.405E-11	4.629E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₇
MAXIMUM	-2.763E+01	-5.361E+00	-8.974E+01	-8.033E-12	0.	3.930E+02
RESULTANT	4.240E+01	8.228E+00	1.148E+02	1.051E-11	0.	6.770E+02

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TABLE 4-7

ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R ⁹	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁹	XY-M/R ⁷
MAXIMUM	2.307E+01	-3.705E+00	-1.096E+02	0.	2.625E-13	1.180E+01
RESULTANT	3.979E+01	4.720E+00	1.218E+02	0.	3.323E-13	1.791E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁰	XY-M/R ⁷
MAXIMUM	3.171E+01	3.164E+00	-1.015E+02	-1.702E-11	0.	8.464E+02
RESULTANT	4.598E+01	3.970E+00	1.087E+02	2.122E-11	0.	1.071E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R ⁹	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁰	XY-M/R ⁷
MAXIMUM	1.699E+01	-1.299E+01	-8.737E+01	-6.774E-11	0.	2.287E+03
RESULTANT	2.377E+01	1.333E+01	9.070E+01	8.383E-11	0.	2.613E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁷
MAXIMUM	2.287E+01	-3.000E+00	-1.042E+02	-1.295E-11	-4.502E-12	3.977E+02
RESULTANT	3.038E+01	3.523E+00	1.079E+02	1.640E-11	5.968E-12	4.288E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁷
MAXIMUM	1.594E+01	-5.710E+00	-6.305E+01	0.	0.	1.834E+02
RESULTANT	1.677E+01	5.886E+00	6.429E+01	0.	0.	2.015E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

	XX-S/R ⁹	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-4.561E+01	1.144E+01	-1.149E+02	-8.936E-11	0.	-3.920E+03
RESULTANT	7.004E+01	1.501E+01	1.175E+02	1.134E-10	0.	5.578E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

	XX-S/R ⁸	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	2.905E+01	1.102E+01	-1.685E+02	0.	0.	-5.091E+02
RESULTANT	4.300E+01	1.324E+01	1.754E+02	0.	0.	6.535E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

	XX-S/R ⁹	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	2.443E+01	-5.730E+00	-9.829E+01	2.057E-11	0.	2.804E+02
RESULTANT	3.378E+01	9.116E+00	1.258E+02	2.902E-11	0.	6.106E+02

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TABLE 4-7
 ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
 X PREFIX
 (continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

	XX-S/R ₅	YY-S/R ₁₂	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₉
MAXIMUM	2.227E+01	-4.019E+00	-1.172E+02	3.133E-13	3.133E-13	4.394E+00
RESULTANT	3.843E+01	8.653E+00	1.299E+02	4.155E-13	4.155E-13	1.082E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

	XX-S/R ₉	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₉
MAXIMUM	4.150E+01	1.881E+01	-1.208E+02	1.641E-11	0.	5.542E+02
RESULTANT	6.362E+01	2.117E+01	1.291E+02	2.217E-11	0.	6.902E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₇	YY-M/R ₀	XY-M/R ₉
MAXIMUM	4.508E+01	5.120E+01	-1.472E+02	-4.090E-12	0.	2.211E+02
RESULTANT	6.222E+01	5.240E+01	1.499E+02	6.799E-12	0.	3.398E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₀	XY-M/R ₅
MAXIMUM	6.135E+01	2.474E+01	-1.505E+02	1.083E-11	0.	-7.514E+02
RESULTANT	8.240E+01	2.727E+01	1.565E+02	1.488E-11	0.	9.112E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	7.257E+01	5.153E+00	-8.253E+01	2.307E-11	9.800E-12	7.965E+02
RESULTANT	9.404E+01	7.636E+00	1.110E+02	3.542E-11	1.514E-11	1.264E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	6.119E+01	9.800E+00	-1.136E+02	1.029E-12	1.029E-12	3.148E+01
RESULTANT	7.210E+01	1.356E+01	1.257E+02	1.566E-12	1.566E-12	4.368E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	7.478E+01	9.400E+00	-9.244E+01	3.408E-12	3.408E-12	5.048E+02
RESULTANT	8.825E+01	1.098E+01	9.926E+01	4.832E-12	4.832E-12	6.434E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	8.286E+01	-4.164E+00	-5.255E+01	1.958E-11	1.958E-11	7.389E+02
RESULTANT	8.580E+01	4.830E+00	5.490E+01	2.967E-11	2.967E-11	9.797E+02

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TABLE 4-7
ELEMENT STRESSES, FLOOR PLAN, -35-FT ELEVATION,
X PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	4.021E+01	7.365E+00	-2.607E+01	3.996E-12	3.996E-12	6.002E+02
RESULTANT	4.115E+01	7.559E+00	2.680E+01	6.051E-12	6.051E-12	7.526E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₇	YY-M/R ₇	XY-M/R ₇
MAXIMUM	3.875E+01	7.726E+00	-2.903E+01	-4.133E-12	-4.133E-12	1.155E+03
RESULTANT	3.954E+01	7.802E+00	2.961E+01	6.567E-12	6.567E-12	1.626E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₇
MAXIMUM	7.925E+01	-4.349E+00	-6.326E+01	1.606E-10	7.438E-11	2.738E+03
RESULTANT	8.398E+01	6.069E+00	6.508E+01	2.483E-10	1.135E-10	4.004E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	1.691E+02	3.088E+01	-1.230E+02	1.742E-11	7.485E-12	6.385E+02
RESULTANT	1.816E+02	3.260E+01	1.279E+02	2.348E-11	9.691E-12	7.594E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	1.487E+02	3.269E+01	-1.486E+02	1.092E-11	1.092E-11	1.331E+03
RESULTANT	1.801E+02	3.537E+01	1.592E+02	1.368E-11	1.368E-11	1.558E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₇	YY-M/R ₇	XY-M/R ₉
MAXIMUM	1.692E+02	1.846E+01	-7.162E+01	3.049E-11	5.000E-11	-3.975E+02
RESULTANT	1.827E+02	1.998E+01	9.030E+01	4.721E-11	7.713E-11	6.916E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₇	YY-M/R ₇	XY-M/R ₇
MAXIMUM	1.863E+02	1.602E+01	-7.379E+01	2.215E-10	2.894E-10	2.728E+03
RESULTANT	1.969E+02	1.691E+01	7.985E+01	3.289E-10	4.295E-10	4.223E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₇	YY-M/R ₇	XY-M/R ₇
MAXIMUM	1.569E+02	4.425E+00	-5.911E+01	8.589E-11	1.183E-10	1.531E+03
RESULTANT	1.660E+02	6.010E+00	6.266E+01	1.235E-10	1.702E-10	2.192E+03

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Figure 4-2. Equipment level floor plan, -17.5-ft elevation.

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TABLE 4-8ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Z PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁹	⁵	⁵	⁵
MAXIMUM	3.088E+01	-1.792E+01	-8.086E+00	-9.972E-12	-8.604E-12	-1.016E+02
RESULTANT	3.283E+01	2.443E+01	1.508E+01	1.134E-11	9.696E-12	1.134E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	3.641E+01	8.339E+00	-8.673E+00	-1.841E-12	-3.395E-12	4.793E+01
RESULTANT	3.855E+01	9.919E+00	1.186E+01	1.915E-12	3.527E-12	5.245E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	0	0	⁷
MAXIMUM	1.593E+01	1.401E+01	7.506E+00	0.	0.	9.274E+00
RESULTANT	1.735E+01	1.554E+01	1.081E+01	0.	0.	1.259E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁵	⁵	⁵	⁵
MAXIMUM	2.004E+01	-8.562E+00	3.779E+01	-1.418E-12	-4.572E-13	8.452E+01
RESULTANT	2.032E+01	1.133E+01	4.097E+01	1.454E-12	4.862E-13	8.988E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁴⁷
MAXIMUM	1.182E+01	-2.815E+01	-1.551E+01	-2.094E-12	-2.094E-12	1.141E+01
RESULTANT	1.213E+01	4.032E+01	2.384E+01	2.180E-12	2.180E-12	2.496E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	8.550E+00	-1.220E+01	-9.855E+00	-1.243E-12	-1.243E-12	-1.290E+02
RESULTANT	9.482E+00	1.940E+01	1.173E+01	1.334E-12	1.334E-12	1.317E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	9.540E+00	-1.768E+01	-3.754E+01	-1.102E-11	-1.102E-11	1.059E+02
RESULTANT	1.049E+01	3.066E+01	4.337E+01	1.155E-11	1.155E-11	1.176E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	-2.112E+01	-2.079E+01	-4.845E+01	-6.109E-12	-1.158E-11	-5.690E+01
RESULTANT	2.783E+01	3.195E+01	5.902E+01	6.449E-12	1.234E-11	6.353E+01

TABLE 4-8

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₉	XX-M/R ₅	YY-M/R ₉	XY-M/R ₅
MAXIMUM	2.995E+01	-6.222E+00	-1.083E+01	-1.109E-11	-5.831E-12	7.183E+02
RESULTANT	3.256E+01	1.132E+01	1.283E+01	1.656E-11	8.448E-12	9.229E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)						
	XX-S/R ₅	YY-S/R ₇	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	2.094E+01	-2.727E+00	-2.118E+01	-9.639E-12	-9.639E-12	2.385E+02
RESULTANT	2.268E+01	4.908E+00	2.422E+01	1.110E-11	1.110E-11	2.861E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₀	YY-M/R ₀	XY-M/R ₅
MAXIMUM	5.714E+00	4.757E+00	-6.381E+00	0.	0.	6.535E+01
RESULTANT	7.421E+00	6.946E+00	8.168E+00	0.	0.	1.035E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-1.127E+01	-1.902E+01	3.791E+01	6.690E-12	1.072E-11	-6.224E+02
RESULTANT	1.227E+01	2.291E+01	3.927E+01	7.017E-12	1.109E-11	6.402E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₅	XX-M/R ₀	YY-M/R ₀	XY-M/R ₅
MAXIMUM	-8.076E+00	4.168E+01	-3.093E+01	0.	0.	3.202E+02
RESULTANT	8.761E+00	5.570E+01	3.162E+01	0.	0.	3.622E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₀	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-1.552E+01	-1.063E+01	-1.638E+01	0.	-1.335E-12	2.428E+02
RESULTANT	1.575E+01	1.736E+01	1.755E+01	0.	1.828E-12	2.532E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₈	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-2.703E+01	-4.884E+01	-2.554E+01	7.476E-13	2.776E-12	-3.037E+02
RESULTANT	2.789E+01	6.543E+01	2.795E+01	1.151E-12	3.080E-12	3.098E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₈
MAXIMUM	-4.622E+01	-5.225E+01	-5.039E+01	-4.772E-12	-4.772E-12	1.039E+02
RESULTANT	5.311E+01	6.732E+01	5.752E+01	7.338E-12	7.338E-12	1.850E+02

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TABLE 4-8

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 36	YY-M/R 36	XY-M/R 36
MAXIMUM	-1.194E+02	-3.332E+01	-9.162E+01	-1.383E-12	-1.953E-12	-2.294E+02
RESULTANT	1.348E+02	4.361E+01	1.049E+02	1.606E-12	2.901E-12	2.662E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-9.296E+00	-1.040E+01	3.267E+01	0.	0.	3.969E+03
RESULTANT	1.010E+01	1.282E+01	3.317E+01	0.	0.	4.133E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 9	XY-M/R 5
MAXIMUM	-2.624E+00	2.522E+01	-1.427E+01	2.344E-11	-1.800E-11	-4.691E+03
RESULTANT	3.354E+00	3.346E+01	1.561E+01	3.438E-11	2.911E-11	4.955E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	1.405E+01	1.290E+01	-1.184E+01	-1.757E-10	-8.785E-11	-2.445E+03
RESULTANT	1.425E+01	1.635E+01	1.294E+01	2.417E-10	1.208E-10	3.065E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R 8	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.674E+00	-2.606E+01	-1.672E+01	-4.789E-12	-2.902E-12	1.076E+02
RESULTANT	4.673E+00	3.721E+01	1.917E+01	6.569E-12	4.103E-12	1.163E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.476E+01	-2.493E+01	-7.342E+01	-3.123E-13	-3.123E-13	6.805E+01
RESULTANT	2.852E+01	3.157E+01	8.440E+01	3.383E-13	3.383E-13	7.372E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 36	YY-M/R 0	XY-M/R 5
MAXIMUM	-6.236E+01	-9.637E+00	-1.106E+02	-1.695E-12	0.	-1.131E+02
RESULTANT	7.260E+01	1.447E+01	1.268E+02	2.578E-12	0.	1.554E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R 9	YY-S/R 4	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.074E+00	-5.448E+00	-1.328E+01	-2.296E-12	-2.745E-12	-1.863E+01
RESULTANT	3.695E+00	7.634E+00	2.568E+01	3.651E-12	4.297E-12	3.096E+01

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TABLE 4-8

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)						
	XX-S/R ⁷	YY-S/R ⁴	XY-S/R ⁹	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	4.932E+00	-5.240E+00	6.080E+00	1.683E-12	8.413E-13	-7.085E+01
RESULTANT	7.300E+00	6.680E+00	1.068E+01	2.609E-12	1.304E-12	8.150E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.454E+01	-4.685E+00	3.038E+01	0.	4.359E-11	8.873E+03
RESULTANT	1.505E+01	5.916E+00	3.169E+01	0.	4.627E-11	9.162E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁹
MAXIMUM	-4.103E+00	5.646E+00	-7.919E+00	-3.433E-11	-3.433E-11	-1.204E+03
RESULTANT	4.407E+00	9.082E+00	9.545E+00	3.610E-11	3.610E-11	1.646E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	9.334E+00	1.128E+01	-1.352E+01	1.089E-10	1.634E-10	-1.158E+04
RESULTANT	9.663E+00	1.555E+01	1.404E+01	1.767E-10	2.651E-10	1.177E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁸	YY-M/R ⁸	XY-M/R ⁵
MAXIMUM	1.971E+01	3.273E+01	-8.735E+00	1.893E-12	9.463E-13	1.192E+02
RESULTANT	2.165E+01	4.340E+01	1.220E+01	3.255E-12	1.627E-12	1.212E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁸	YY-M/R ⁸	XY-M/R ⁵
MAXIMUM	1.964E+01	2.173E+01	-7.041E+01	-1.925E-12	-1.440E-12	6.856E+01
RESULTANT	2.186E+01	2.896E+01	8.164E+01	2.880E-12	2.302E-12	7.321E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-2.193E+01	9.098E+00	-1.130E+02	0.	0.	-1.205E+02
RESULTANT	3.052E+01	1.415E+01	1.286E+02	0.	0.	1.285E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)						
	XX-S/R ⁷	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁹	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.004E+01	-1.036E+01	1.217E+01	8.846E-13	-1.274E-12	7.787E+01
RESULTANT	1.598E+01	1.776E+01	1.881E+01	1.244E-12	1.807E-12	8.954E+01

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TABLE 4-8

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	6.003E+01	6.583E+00	1.703E+01	3.780E-13	3.780E-13	4.506E+01
RESULTANT	6.238E+01	1.161E+01	2.389E+01	5.918E-13	5.918E-13	4.990E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	1.000E+02	7.713E+00	-1.333E+01	0.	0.	2.247E+01
RESULTANT	1.032E+02	9.191E+00	1.738E+01	0.	0.	3.154E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	9.025E+01	1.558E+01	3.043E+01	3.226E-13	0.	-3.773E+01
RESULTANT	9.248E+01	1.628E+01	3.677E+01	3.510E-13	0.	4.037E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁹
MAXIMUM	8.493E+01	2.448E+01	-1.321E+01	-1.968E-13	-1.968E-13	-5.105E+00
RESULTANT	8.616E+01	2.478E+01	1.970E+01	2.303E-13	2.303E-13	7.606E+00
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	9.474E+01	3.061E+01	-1.930E+01	1.974E-13	3.947E-13	5.818E+01
RESULTANT	9.560E+01	3.465E+01	2.542E+01	2.706E-13	5.412E-13	6.141E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ³⁶	XX-M/R ⁵	YY-M/R ⁸	XY-M/R ⁵
MAXIMUM	7.988E+01	1.326E+02	8.920E+00	2.958E-12	-5.860E-13	-3.250E+02
RESULTANT	8.352E+01	1.615E+02	1.792E+01	3.469E-12	1.036E-12	3.405E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	7.473E+01	1.352E+02	-2.023E+01	6.129E-12	6.129E-12	-1.575E+02
RESULTANT	8.338E+01	1.619E+02	3.127E+01	1.210E-11	1.210E-11	3.056E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.836E+01	8.605E+01	-7.305E+01	-1.046E-12	-3.575E-12	-1.734E+02
RESULTANT	3.326E+01	1.035E+02	8.484E+01	1.333E-12	4.770E-12	2.210E+02

TABLE 4-8

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Z PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-5.564E+00	-1.017E+01	-1.058E+01	6.129E-12	5.385E-12	9.596E+01
RESULTANT	1.054E+01	1.715E+01	1.630E+01	7.258E-12	6.382E-12	1.276E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)						
	XX-S/R ₇	YY-S/R ₇	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	5.908E+00	2.643E+01	2.124E+01	6.203E-12	6.203E-12	-6.078E+01
RESULTANT	1.229E+01	4.397E+01	3.441E+01	6.980E-12	6.980E-12	8.172E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-2.947E+01	-1.049E+01	2.371E+01	7.804E-13	1.728E-12	2.789E+01
RESULTANT	3.058E+01	1.696E+01	3.678E+01	8.687E-13	1.909E-12	3.204E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₀	YY-M/R ₀	XY-M/R ₅
MAXIMUM	-4.502E+01	-1.111E+01	1.902E+01	0.	0.	-2.255E+02
RESULTANT	4.647E+01	1.427E+01	2.954E+01	0.	0.	2.334E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-1.536E+01	-5.033E+00	3.007E+01	-1.294E-13	-7.211E-13	5.242E+01
RESULTANT	1.586E+01	7.078E+00	3.974E+01	1.477E-13	7.415E-13	5.442E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₇	XX-M/R ₀	YY-M/R ₀	XY-M/R ₉
MAXIMUM	6.147E+00	1.933E+01	-1.755E+01	0.	0.	5.983E+00
RESULTANT	6.464E+00	2.011E+01	2.621E+01	0.	0.	9.091E+00
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-1.118E+01	2.098E+01	-1.888E+01	9.126E-13	9.126E-13	-6.047E+01
RESULTANT	1.155E+01	2.519E+01	2.578E+01	9.478E-13	9.478E-13	6.215E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)						
	XX-S/R ₇	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-9.043E+00	7.471E+01	-7.490E+01	1.139E-11	1.139E-11	8.488E+01
RESULTANT	1.055E+01	9.617E+01	8.141E+01	1.216E-11	1.216E-11	9.462E+01

TABLE 4-9

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Y PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-8.853E+01	1.908E+01	5.363E+01	0.	0.	-9.981E+02
RESULTANT	9.381E+01	2.308E+01	6.362E+01	0.	0.	1.094E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	-1.560E+02	2.767E+01	-2.614E+01	-9.242E-11	-4.621E-11	1.786E+02
RESULTANT	1.627E+02	3.251E+01	4.108E+01	1.012E-10	5.060E-11	2.458E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.278E+02	1.126E+01	-4.670E+01	9.172E-11	9.172E-11	4.137E+02
RESULTANT	1.316E+02	1.573E+01	5.830E+01	9.652E-11	9.652E-11	4.575E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.319E+02	7.691E+00	-4.628E+01	4.520E-11	4.520E-11	-6.013E+02
RESULTANT	1.351E+02	1.151E+01	7.121E+01	4.703E-11	4.703E-11	6.088E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 0	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.213E+02	-2.521E+01	-5.597E+01	0.	-1.962E-11	2.246E+02
RESULTANT	1.241E+02	2.656E+01	6.893E+01	0.	2.007E-11	2.525E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 0	XY-M/R 5
MAXIMUM	-8.489E+01	-4.430E+01	-5.559E+01	-3.317E-11	0.	1.452E+02
RESULTANT	8.808E+01	4.551E+01	7.042E+01	3.348E-11	0.	1.827E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.204E+02	-3.288E+01	5.568E+01	-1.516E-11	-1.302E-11	-4.914E+02
RESULTANT	1.230E+02	3.633E+01	8.760E+01	1.541E-11	1.320E-11	5.180E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	-1.542E+02	-1.179E+01	-6.209E+01	-1.285E-10	-6.425E-11	1.393E+02
RESULTANT	1.583E+02	1.323E+01	8.231E+01	1.315E-10	6.577E-11	1.607E+02

TABLE 4-9

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R ₅	YY-S/R ₉	XY-S/R ₉	XX-M/R ₅	YY-M/R ₀	XY-M/R ₅
MAXIMUM	-1.573E+02	-7.677E+00	-5.203E+01	6.970E-11	0.	-6.294E+01
RESULTANT	1.641E+02	1.202E+01	6.688E+01	7.221E-11	0.	1.526E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-1.374E+02	1.014E+01	-4.232E+01	-2.268E-10	-1.792E-10	-6.973E+02
RESULTANT	1.542E+02	1.266E+01	6.784E+01	2.425E-10	1.911E-10	9.746E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-7.908E+01	-3.418E+01	-4.594E+01	7.580E-12	7.580E-12	-4.072E+02
RESULTANT	9.682E+01	5.449E+01	7.041E+01	8.918E-12	8.918E-12	4.659E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₇	XY-M/R ₇
MAXIMUM	-4.545E+01	-2.761E+01	-4.407E+01	-1.130E-11	-5.491E-13	7.824E+01
RESULTANT	6.402E+01	4.073E+01	6.171E+01	1.261E-11	7.137E-13	1.017E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R ₉	YY-S/R ₇	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	2.678E+01	-9.300E+00	-5.517E+01	2.179E-11	2.179E-11	1.589E+02
RESULTANT	4.052E+01	1.628E+01	6.725E+01	2.294E-11	2.294E-11	1.788E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R ₉	YY-S/R ₁₂	XY-S/R ₉	XX-M/R ₀	YY-M/R ₀	XY-M/R ₇
MAXIMUM	1.574E+01	4.027E+00	-5.433E+01	0.	0.	3.512E+01
RESULTANT	2.800E+01	1.062E+01	6.523E+01	0.	0.	5.772E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R ₄₇	YY-S/R ₉	XY-S/R ₉	XX-M/R ₀	YY-M/R ₀	XY-M/R ₇
MAXIMUM	-1.245E+01	-1.124E+01	-6.080E+01	0.	0.	9.602E+01
RESULTANT	2.369E+01	1.574E+01	7.325E+01	0.	0.	1.453E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R ₄₀	YY-S/R ₉	XY-S/R ₉	XX-M/R ₅	YY-M/R ₀	XY-M/R ₅
MAXIMUM	1.308E+01	2.886E+01	-5.950E+01	-6.080E-11	0.	9.743E+02
RESULTANT	2.771E+01	4.373E+01	7.165E+01	6.143E-11	0.	1.016E+03

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TABLE 4-9

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁹	⁵	⁹	⁵	⁵	⁵
MAXIMUM	-2.293E+01	-1.590E+01	-5.075E+01	-2.395E-11	-2.265E-11	-3.442E+02
RESULTANT	4.530E+01	2.448E+01	5.941E+01	2.424E-11	2.292E-11	3.570E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁹	⁵	⁰	⁵
MAXIMUM	-3.506E+01	-6.064E+01	-4.859E+01	7.197E-11	0.	6.664E+01
RESULTANT	5.640E+01	8.125E+01	6.498E+01	7.489E-11	0.	1.121E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	-6.001E+01	-6.324E+01	5.808E+01	-2.437E-10	-1.936E-10	-4.211E+02
RESULTANT	9.403E+01	9.244E+01	9.904E+01	2.626E-10	2.082E-10	6.875E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁴	⁵	⁵	⁵	⁹
MAXIMUM	-2.572E+01	-8.666E+00	-3.147E+01	-2.637E-10	-1.319E-10	1.349E+03
RESULTANT	4.613E+01	9.564E+00	4.825E+01	3.566E-10	1.783E-10	2.028E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁹	⁵	⁵	⁵
MAXIMUM	-5.993E+01	3.678E+01	-6.632E+01	7.561E-12	7.561E-12	-4.759E+02
RESULTANT	8.589E+01	5.564E+01	9.076E+01	9.146E-12	9.146E-12	5.576E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁹	⁷	⁵	⁷
MAXIMUM	-1.475E+02	-1.691E+01	-4.888E+01	-7.410E-13	-1.148E-11	6.712E+01
RESULTANT	1.722E+02	2.550E+01	6.236E+01	9.763E-13	1.264E-11	8.843E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁹	⁵	⁵	⁵
MAXIMUM	-1.243E+02	-1.785E+01	-4.478E+01	7.123E-10	7.123E-10	6.858E+03
RESULTANT	1.323E+02	1.959E+01	5.295E+01	7.488E-10	7.488E-10	7.675E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁹	⁵	⁵	⁵
MAXIMUM	-8.430E+01	-1.981E+01	-4.350E+01	3.749E-10	3.749E-10	3.648E+03
RESULTANT	8.777E+01	2.087E+01	5.908E+01	3.889E-10	3.889E-10	4.309E+03

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TABLE 4-9

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	5	9	0	5	5
MAXIMUM	-6.577E+01	-1.412E+01	-5.037E+01	0.	-5.748E-10	5.855E+03
RESULTANT	6.761E+01	1.775E+01	5.855E+01	0.	5.882E-10	6.823E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	9	9	5	5	5
MAXIMUM	-3.238E+01	2.443E+01	-4.709E+01	-1.908E-09	-1.908E-09	1.045E+04
RESULTANT	3.666E+01	3.295E+01	5.601E+01	1.929E-09	1.929E-09	1.182E+04
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	5	9	5	5	5
MAXIMUM	-5.119E+01	-1.168E+01	-3.178E+01	-1.511E-09	-7.557E-10	-1.540E+04
RESULTANT	6.090E+01	1.458E+01	4.106E+01	1.528E-09	7.638E-10	1.601E+04
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	9	4	7	5	5	7
MAXIMUM	2.528E+01	-1.051E+01	1.779E+01	-1.413E-10	-7.067E-11	1.013E+03
RESULTANT	4.857E+01	1.373E+01	3.180E+01	1.905E-10	9.526E-11	1.353E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	9	9	9	0	0	5
MAXIMUM	2.084E+01	3.060E+01	-4.037E+01	0.	0.	-3.989E+02
RESULTANT	3.332E+01	4.536E+01	5.256E+01	0.	0.	5.327E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	9	9	9	9	5	9
MAXIMUM	3.345E+01	1.282E+01	-3.856E+01	-4.760E-13	2.524E-11	5.385E+01
RESULTANT	5.047E+01	1.670E+01	4.733E+01	8.017E-13	2.712E-11	9.070E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	5	9	5	0	5
MAXIMUM	-2.520E+01	-5.598E+00	-2.993E+01	1.153E-11	0.	1.068E+02
RESULTANT	3.575E+01	8.459E+00	3.546E+01	1.208E-11	0.	1.358E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	4	9	0	0	5
MAXIMUM	-3.597E+01	-3.342E+00	-4.245E+01	0.	0.	-1.079E+02
RESULTANT	3.799E+01	6.845E+00	5.519E+01	0.	0.	1.350E+02

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TABLE 4-9
ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

	XX-S/R 9	YY-S/R 4	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	1.364E+01	-1.644E+01	-2.924E+01	1.022E-11	1.022E-11	-1.816E+02
RESULTANT	1.883E+01	2.711E+01	4.140E+01	1.210E-11	1.210E-11	2.499E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

	XX-S/R 9	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	3.110E+01	-7.802E+00	-4.344E+01	-1.265E-11	-3.493E-13	4.977E+01
RESULTANT	4.838E+01	1.443E+01	5.795E+01	1.376E-11	5.322E-13	7.583E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	3.834E+01	3.689E+00	-2.383E+01	1.431E-09	1.431E-09	1.212E+04
RESULTANT	5.019E+01	6.936E+00	3.332E+01	1.501E-09	1.501E-09	1.321E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	3.364E+01	8.082E+00	-2.492E+01	0.	0.	3.608E+04
RESULTANT	3.794E+01	1.026E+01	3.322E+01	0.	0.	4.613E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	3.111E+01	9.928E+00	-2.733E+01	-4.301E-09	-4.301E-09	2.411E+04
RESULTANT	3.376E+01	1.042E+01	3.727E+01	4.409E-09	4.409E-09	2.566E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.212E+01	1.226E+01	-3.430E+01	-1.829E-09	-1.829E-09	-2.015E+04
RESULTANT	2.479E+01	1.346E+01	4.637E+01	1.848E-09	1.848E-09	2.052E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	5.452E+01	1.423E+01	-2.388E+01	-1.433E-09	-7.164E-10	-1.377E+04
RESULTANT	6.075E+01	1.662E+01	4.064E+01	1.447E-09	7.236E-10	1.456E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

	XX-S/R 21	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.247E+01	-8.122E+00	-4.803E+01	2.205E-11	2.205E-11	-2.878E+02
RESULTANT	3.529E+01	1.463E+01	6.986E+01	2.310E-11	2.310E-11	2.933E+02

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TABLE 4-9

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)						
	XX-S/R 21	YY-S/R 9	XY-S/R 9	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-3.904E+01	-6.312E+00	-5.883E+01	0.	0.	1.037E+02
RESULTANT	4.816E+01	1.221E+01	8.572E+01	0.	0.	1.204E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)						
	XX-S/R 21	YY-S/R 9	XY-S/R 9	XX-M/R 0	YY-M/R 5	XY-M/R 5
MAXIMUM	-5.918E+01	-6.204E+00	-6.258E+01	0.	-4.250E-12	9.050E+01
RESULTANT	7.098E+01	1.181E+01	8.969E+01	0.	4.347E-12	1.031E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)						
	XX-S/R 21	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 0	XY-M/R 5
MAXIMUM	-6.091E+01	1.655E+01	-6.383E+01	-6.945E-12	0.	-9.314E+01
RESULTANT	8.440E+01	2.023E+01	9.285E+01	7.009E-12	0.	1.038E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)						
	XX-S/R 9	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.635E+01	3.647E+01	5.547E+01	-1.031E-11	-1.000E-11	-8.308E+01
RESULTANT	5.206E+01	4.607E+01	8.595E+01	1.043E-11	1.011E-11	9.793E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	3.070E+01	1.380E+02	-7.925E+01	-1.570E-11	-1.033E-12	1.472E+02
RESULTANT	5.815E+01	1.719E+02	1.071E+02	1.599E-11	1.060E-12	1.510E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 5	XY-M/R 5
MAXIMUM	8.947E+01	1.818E+02	4.790E+01	0.	-3.482E-11	-8.966E+01
RESULTANT	1.091E+02	2.263E+02	6.138E+01	0.	3.618E-11	1.301E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	7.062E+01	1.254E+02	-9.939E+01	-2.940E-10	-2.368E-10	4.848E+02
RESULTANT	8.613E+01	1.667E+02	1.263E+02	3.177E-10	2.559E-10	6.117E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)						
	XX-S/R 5	YY-S/R 7	XY-S/R 7	XX-M/R 0	YY-M/R 0	XY-M/R 7
MAXIMUM	6.842E+01	2.905E+01	6.545E+01	0.	0.	8.197E+02
RESULTANT	7.633E+01	4.588E+01	9.275E+01	0.	0.	1.165E+03

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TABLE 4-9

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (49)					
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵	
MAXIMUM	1.056E+02	1.471E+01	3.096E+01	9.721E-11	9.721E-11	-6.021E+02	
RESULTANT	1.105E+02	2.372E+01	4.272E+01	1.016E-10	1.016E-10	6.322E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (50)					
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷	
MAXIMUM	1.282E+02	1.487E+01	-8.686E+01	4.927E-11	4.927E-11	2.194E+02	
RESULTANT	1.322E+02	1.883E+01	1.178E+02	5.097E-11	5.097E-11	3.078E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (51)					
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁷	
MAXIMUM	1.225E+02	2.687E+01	4.646E+01	0.	-1.897E-11	1.420E+02	
RESULTANT	1.260E+02	2.794E+01	6.462E+01	0.	1.937E-11	1.699E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (52)					
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵	
MAXIMUM	8.582E+01	3.757E+01	4.583E+01	-3.064E-11	0.	-2.324E+02	
RESULTANT	8.781E+01	3.894E+01	6.650E+01	3.090E-11	0.	3.258E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (53)					
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵	
MAXIMUM	1.229E+02	3.527E+01	4.711E+01	-1.189E-11	-1.126E-11	-1.443E+02	
RESULTANT	1.254E+02	3.761E+01	7.559E+01	1.212E-11	1.142E-11	2.066E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (54)					
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵	
MAXIMUM	1.670E+02	7.150E+00	4.407E+01	-1.215E-10	-6.075E-11	5.842E+02	
RESULTANT	1.735E+02	1.112E+01	6.533E+01	1.239E-10	6.195E-11	6.003E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (55)					
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵	
MAXIMUM	1.661E+02	-8.842E+00	-3.597E+01	6.709E-11	0.	-5.117E+02	
RESULTANT	1.776E+02	9.289E+00	4.979E+01	6.934E-11	0.	7.045E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (56)					
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁹	
MAXIMUM	1.262E+02	3.871E+01	6.095E+01	-1.044E-10	-5.221E-11	5.900E+02	
RESULTANT	1.347E+02	6.793E+01	9.035E+01	1.140E-10	5.699E-11	9.510E+02	

TABLE 4-9

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
Y PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L)	///	ELEMENT NUMBER (57)				
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₇	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	1.270E+02	-1.805E+01	3.812E+01	1.012E-10	1.012E-10	-4.566E+02
RESULTANT	1.318E+02	3.089E+01	5.257E+01	1.057E-10	1.057E-10	5.122E+02

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TABLE 4-10

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
X PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁷
MAXIMUM	-4.490E+01	-1.970E+01	-5.618E+01	9.943E-11	3.395E-11	-6.030E+02
RESULTANT	5.648E+01	3.029E+01	6.855E+01	1.326E-10	4.586E-11	9.668E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	-1.190E+02	6.331E+00	-1.054E+02	1.254E-11	4.363E-12	-6.586E+01
RESULTANT	1.297E+02	1.022E+01	1.185E+02	1.608E-11	5.574E-12	9.004E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	-7.573E+01	1.381E+01	-7.136E+01	2.043E-10	6.995E-11	-6.416E+02
RESULTANT	8.267E+01	1.555E+01	7.747E+01	2.548E-10	8.675E-11	9.191E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	-6.798E+01	-4.181E+00	-5.342E+01	1.287E-11	4.367E-12	-3.480E+01
RESULTANT	7.137E+01	6.256E+00	5.664E+01	1.577E-11	5.315E-12	4.968E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-7.704E+01	7.698E+00	-5.757E+01	6.845E-11	0.	-5.111E+02
RESULTANT	8.053E+01	9.239E+00	5.960E+01	8.295E-11	0.	5.820E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁷
MAXIMUM	-5.115E+01	1.577E+01	-6.625E+01	2.657E-10	8.874E-11	3.730E+02
RESULTANT	6.732E+01	1.697E+01	6.800E+01	3.620E-10	1.210E-10	5.062E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	-1.002E+02	-1.108E+01	-1.046E+02	3.694E-11	1.258E-11	2.021E+02
RESULTANT	1.070E+02	1.136E+01	1.101E+02	5.345E-11	1.839E-11	2.793E+02

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TABLE 4-10

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	-9.198E+01	-4.467E+01	-8.288E+01	1.910E-11	6.492E-12	8.380E+01
RESULTANT	1.063E+02	5.116E+01	8.711E+01	2.799E-11	9.619E-12	1.198E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	-1.153E+02	-7.458E+01	-1.133E+02	6.012E-11	3.133E-11	6.836E+02
RESULTANT	1.453E+02	8.393E+01	1.261E+02	8.950E-11	4.735E-11	1.126E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 7
MAXIMUM	-3.417E+01	-2.549E+01	-4.560E+01	6.179E-11	6.179E-11	8.841E+02
RESULTANT	4.555E+01	3.767E+01	6.921E+01	8.155E-11	8.155E-11	1.375E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 7
MAXIMUM	-4.443E+01	-1.527E+01	-1.646E+02	5.947E-11	8.920E-11	2.109E+02
RESULTANT	4.881E+01	1.624E+01	1.688E+02	6.979E-11	1.047E-10	3.541E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	-2.611E+01	3.236E+00	-1.005E+02	6.258E-12	9.387E-12	3.904E+01
RESULTANT	3.308E+01	4.681E+00	1.018E+02	7.378E-12	1.107E-11	6.044E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R 9	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	-1.394E+01	-5.866E+00	-7.948E+01	6.751E-11	1.013E-10	-2.976E+02
RESULTANT	2.395E+01	7.617E+00	8.039E+01	8.156E-11	1.223E-10	3.609E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	-3.685E+01	-9.923E+00	-1.555E+02	9.478E-11	1.422E-10	-4.802E+02
RESULTANT	5.062E+01	1.064E+01	1.589E+02	1.340E-10	2.010E-10	6.645E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	-5.542E+01	-1.062E+02	-1.517E+02	1.213E-10	1.819E-10	-6.853E+02
RESULTANT	8.499E+01	1.166E+02	1.729E+02	1.858E-10	2.787E-10	1.040E+03

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TABLE 4-10

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R 9	YY-S/R 9	XY-S/R 7	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	5.032E+01	1.928E+01	-6.051E+01	-8.093E-12	-8.093E-12	-3.559E+02
RESULTANT	9.592E+01	2.320E+01	8.961E+01	1.259E-11	1.259E-11	4.248E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-7.033E+01	-2.946E+01	-1.012E+02	0.	0.	-4.473E+03
RESULTANT	7.269E+01	3.002E+01	1.041E+02	0.	0.	5.778E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	-5.218E+01	-1.557E+01	-9.055E+01	1.158E-09	1.158E-09	1.380E+04
RESULTANT	6.350E+01	1.644E+01	9.275E+01	1.378E-09	1.378E-09	1.663E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R 8	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 7
MAXIMUM	2.978E+01	-3.677E+00	-1.565E+02	-1.939E-11	-1.939E-11	2.344E+02
RESULTANT	4.093E+01	6.454E+00	1.602E+02	2.446E-11	2.446E-11	4.056E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R 36	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	2.826E+01	-6.604E+01	-9.830E+01	-2.247E-11	-2.247E-11	-5.502E+02
RESULTANT	3.872E+01	7.483E+01	1.131E+02	2.899E-11	2.899E-11	9.075E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 7
MAXIMUM	-4.711E+00	-7.233E+00	-7.428E+01	-2.040E-11	2.033E-11	3.431E+02
RESULTANT	6.209E+00	1.126E+01	9.932E+01	2.803E-11	2.870E-11	4.752E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R 9	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	2.661E+01	5.515E+00	-1.261E+02	-3.913E-13	1.798E-12	8.434E+00
RESULTANT	3.639E+01	1.017E+01	1.390E+02	4.808E-13	2.283E-12	1.401E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 7
MAXIMUM	3.706E+01	2.018E+01	-9.368E+01	0.	9.456E-11	1.015E+03
RESULTANT	4.832E+01	2.268E+01	1.005E+02	0.	1.203E-10	1.582E+03

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TABLE 4-10

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)						
	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 7
MAXIMUM	9.850E+00	9.116E+00	-5.480E+01	-1.958E-10	1.919E-10	2.120E+03
RESULTANT	1.344E+01	1.069E+01	5.742E+01	2.421E-10	2.417E-10	2.437E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)						
	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	1.061E+01	3.400E+01	-6.730E+01	3.836E-10	1.135E-09	-5.803E+03
RESULTANT	1.588E+01	3.473E+01	6.903E+01	4.675E-10	1.403E-09	8.558E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 7
MAXIMUM	3.314E+01	2.361E+01	-9.181E+01	-8.691E-10	9.088E-10	1.243E+04
RESULTANT	4.707E+01	2.444E+01	9.320E+01	1.096E-09	1.170E-09	1.466E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)						
	XX-S/R 8	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 7
MAXIMUM	2.969E+01	1.483E+01	-1.588E+02	7.543E-12	2.208E-11	2.205E+02
RESULTANT	4.053E+01	1.749E+01	1.627E+02	1.055E-11	3.252E-11	2.600E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)						
	XX-S/R 36	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 7
MAXIMUM	3.907E+01	-5.235E+01	-7.792E+01	8.509E-12	2.286E-11	4.619E+02
RESULTANT	6.300E+01	5.932E+01	8.844E+01	1.324E-11	4.152E-11	6.404E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)						
	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	2.074E+01	-2.608E+01	-9.701E+01	5.815E-11	5.815E-11	-1.256E+03
RESULTANT	2.889E+01	3.335E+01	1.272E+02	8.407E-11	8.407E-11	2.000E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)						
	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	2.203E+01	1.177E+01	-1.267E+02	5.219E-12	6.958E-12	-3.161E+01
RESULTANT	3.813E+01	2.219E+01	1.386E+02	7.199E-12	9.598E-12	4.929E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)						
	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	3.078E+01	3.577E+01	-1.518E+02	1.046E-10	2.092E-10	-1.804E+03
RESULTANT	4.569E+01	4.022E+01	1.612E+02	1.422E-10	2.843E-10	2.823E+03

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TABLE 4-10

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₃₆
MAXIMUM	3.245E+01	3.383E+01	-1.540E+02	6.785E-11	1.318E-10	1.039E+02
RESULTANT	5.515E+01	3.732E+01	1.585E+02	1.357E-10	2.036E-10	2.038E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	2.975E+01	-5.827E+01	-7.608E+01	1.674E-10	2.511E-10	1.140E+03
RESULTANT	4.769E+01	6.355E+01	8.422E+01	2.346E-10	3.520E-10	1.272E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

	XX-S/R ₉	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	3.215E+01	-3.660E+01	-8.201E+01	1.286E-10	4.468E-11	9.064E+02
RESULTANT	4.894E+01	4.170E+01	1.140E+02	1.999E-10	6.995E-11	1.418E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

	XX-S/R ₅	YY-S/R ₇	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₇
MAXIMUM	6.509E+01	1.491E+01	-1.179E+02	4.690E-12	0.	3.754E+01
RESULTANT	7.475E+01	3.414E+01	1.313E+02	7.100E-12	0.	6.681E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	4.547E+01	-1.011E+01	-7.997E+01	1.764E-10	5.707E-11	-6.105E+02
RESULTANT	5.615E+01	1.101E+01	8.553E+01	2.639E-10	8.602E-11	1.058E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₉
MAXIMUM	6.798E+01	-2.055E+01	-8.987E+01	1.504E-10	4.703E-11	1.077E+03
RESULTANT	7.457E+01	2.131E+01	9.210E+01	2.263E-10	7.190E-11	1.377E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₇	YY-M/R ₇	XY-M/R ₅
MAXIMUM	6.991E+01	-2.549E+01	-1.166E+02	-1.951E-10	-6.223E-11	1.475E+03
RESULTANT	8.158E+01	2.716E+01	1.189E+02	2.869E-10	9.040E-11	1.980E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₇	YY-M/R ₇	XY-M/R ₅
MAXIMUM	1.065E+02	2.850E+01	-9.944E+01	-4.370E-11	-2.194E-11	-1.541E+02
RESULTANT	1.183E+02	3.097E+01	1.026E+02	6.518E-11	3.285E-11	2.250E+02

Los Alamos Technical Associates, Inc.

TABLE 4-10

ELEMENT STRESSES, FLOOR PLAN, -17.5-FT ELEVATION,
X PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	1.327E+02	3.543E+01	-9.136E+01	5.254E-11	2.730E-11	-4.122E+02
RESULTANT	1.489E+02	3.967E+01	9.729E+01	7.741E-11	3.943E-11	5.003E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

	XX-S/R ₅	YY-S/R ₉	XY-S/R ₅	XX-M/R ₀	YY-M/R ₇	XY-M/R ₇
MAXIMUM	9.923E+01	-2.524E+01	-4.670E+01	0.	-2.569E-11	6.355E+02
RESULTANT	1.085E+02	4.952E+01	6.533E+01	0.	4.040E-11	1.036E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₇	YY-M/R ₇	XY-M/R ₇
MAXIMUM	1.249E+02	-6.478E+00	-5.416E+01	-3.523E-10	-4.368E-10	1.502E+03
RESULTANT	1.318E+02	7.044E+00	5.948E+01	5.373E-10	6.674E-10	2.331E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

	XX-S/R ₅	YY-S/R ₇	XY-S/R ₅	XX-M/R ₇	YY-M/R ₇	XY-M/R ₇
MAXIMUM	1.054E+02	-8.960E+00	-7.699E+01	-1.646E-10	-3.291E-10	4.074E+02
RESULTANT	1.091E+02	1.405E+01	7.989E+01	2.426E-10	4.851E-10	7.129E+02

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Figure 4-3. Entry level floor plan, -0-ft elevation.

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TABLE 4-11

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Z PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	-2.178E+01	-1.941E+01	-6.108E+01	-1.544E-11	-1.358E-11	-2.453E+02
RESULTANT	3.330E+01	3.636E+01	7.179E+01	1.746E-11	1.526E-11	2.589E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	¹²	⁵	⁵	⁵	⁵
MAXIMUM	-3.751E+00	4.301E+00	2.613E+01	-2.841E-12	-5.030E-12	1.086E+02
RESULTANT	5.657E+00	8.320E+00	2.853E+01	2.958E-12	5.259E-12	1.172E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	³⁸	⁰	⁰	⁵
MAXIMUM	1.301E+01	1.045E+01	-2.374E+00	0.	0.	-1.085E+02
RESULTANT	1.340E+01	1.349E+01	5.541E+00	0.	0.	1.098E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	2.587E+01	-3.984E+00	5.142E+01	-2.144E-12	-7.113E-13	1.315E+02
RESULTANT	2.645E+01	8.954E+00	5.191E+01	2.214E-12	7.626E-13	1.410E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁹	⁵	⁵	⁹
MAXIMUM	1.824E+01	-2.469E+01	-6.454E+00	-3.032E-12	-3.032E-12	1.635E+01
RESULTANT	1.860E+01	2.927E+01	1.066E+01	3.235E-12	3.235E-12	2.633E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	2.128E+01	-1.714E+01	-4.310E+01	-1.763E-12	-1.763E-12	-1.852E+02
RESULTANT	2.164E+01	2.777E+01	4.365E+01	1.952E-12	1.952E-12	1.897E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	9.656E+00	-3.701E+01	-4.584E+01	-1.616E-11	-1.616E-11	1.953E+02
RESULTANT	1.274E+01	6.371E+01	5.839E+01	1.722E-11	1.722E-11	2.195E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁷	⁵	⁵	⁵	⁵
MAXIMUM	-1.077E+01	1.643E+01	-6.536E+01	-6.625E-12	-1.090E-11	-1.826E+02
RESULTANT	2.045E+01	3.010E+01	8.194E+01	7.006E-12	1.198E-11	2.114E+02

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TABLE 4-11

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)						
	XX-S/R 7	YY-S/R 7	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.565E+01	-1.103E+01	-2.082E+01	1.414E-10	5.947E-11	3.671E+03
RESULTANT	2.614E+01	1.759E+01	3.211E+01	1.998E-10	8.688E-11	4.823E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 9	XY-M/R 5
MAXIMUM	-5.225E+01	-2.016E+01	-6.359E+00	-4.093E-12	-2.178E-12	2.233E+02
RESULTANT	5.497E+01	2.760E+01	1.292E+01	4.862E-12	3.371E-12	2.304E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-3.802E+01	-9.125E+00	2.074E+01	-2.168E-12	-2.168E-12	-9.839E+01
RESULTANT	4.067E+01	1.715E+01	2.247E+01	2.617E-12	2.617E-12	1.083E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-1.092E+01	-9.749E+00	6.321E+00	0.	0.	7.103E+01
RESULTANT	1.131E+01	1.627E+01	9.796E+00	0.	0.	7.410E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	8.583E+00	-4.701E+00	4.119E+01	1.073E-11	1.691E-11	-9.017E+02
RESULTANT	9.487E+00	7.934E+00	4.157E+01	1.154E-11	1.787E-11	9.452E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)						
	XX-S/R 5	YY-S/R 9	XY-S/R 7	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	1.254E+01	1.340E+01	-4.098E+00	0.	0.	2.172E+02
RESULTANT	1.311E+01	1.963E+01	7.693E+00	0.	0.	2.553E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.589E+01	1.315E+01	-2.216E+01	-1.306E-11	-1.959E-11	1.509E+03
RESULTANT	2.752E+01	2.160E+01	2.390E+01	2.097E-11	3.145E-11	1.548E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 8	YY-M/R 5	XY-M/R 5
MAXIMUM	1.451E+01	-7.679E+01	-1.170E+01	1.431E-12	4.197E-12	-4.836E+02
RESULTANT	1.629E+01	1.136E+02	1.408E+01	2.195E-12	4.699E-12	4.919E+02

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TABLE 4-11

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 20	YY-M/R 20	XY-M/R 20
MAXIMUM	-4.005E+01	-5.383E+01	-2.155E+01	-2.601E-11	-2.601E-11	1.625E+03
RESULTANT	4.941E+01	8.241E+01	2.478E+01	3.512E-11	3.512E-11	1.991E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 20	YY-M/R 36	XY-M/R 20
MAXIMUM	-5.809E+01	-5.816E+01	-6.546E+01	-4.226E-12	-2.251E-12	-7.006E+02
RESULTANT	7.028E+01	9.965E+01	7.665E+01	5.536E-12	3.425E-12	9.178E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 36	YY-M/R 0	XY-M/R 36
MAXIMUM	-2.121E+01	4.024E+01	-9.148E+01	1.412E-13	0.	2.944E+01
RESULTANT	2.529E+01	7.655E+01	1.294E+02	2.108E-13	0.	4.395E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R 5	YY-S/R 4	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.889E+01	-1.590E+01	3.789E+01	4.487E-11	4.487E-11	8.883E+03
RESULTANT	4.080E+01	1.698E+01	5.442E+01	6.409E-11	6.409E-11	1.099E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 9
MAXIMUM	1.897E+01	7.715E+00	-9.458E+00	-2.687E-09	-2.263E-09	-9.192E+03
RESULTANT	2.269E+01	1.211E+01	1.717E+01	3.249E-09	2.706E-09	1.197E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.156E+01	-3.373E+00	3.356E+01	-4.388E-10	-9.485E-10	8.087E+03
RESULTANT	2.281E+01	6.554E+00	3.596E+01	4.820E-10	1.024E-09	8.712E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-4.334E+00	-8.565E+00	-8.304E+00	0.	0.	-2.078E+04
RESULTANT	5.851E+00	1.353E+01	1.206E+01	0.	0.	2.285E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.835E+01	-4.490E+01	-3.253E+01	-7.278E-12	-4.395E-12	1.690E+02
RESULTANT	2.017E+01	7.402E+01	3.537E+01	1.004E-11	6.248E-12	1.845E+02

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TABLE 4-11
 ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
 Z PREFIX
 (continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 34	YY-M/R 34	XY-M/R 34
MAXIMUM	-1.563E+01	3.215E+01	-5.471E+01	-8.773E-12	-8.773E-12	1.912E+03
RESULTANT	2.036E+01	5.581E+01	6.023E+01	1.070E-11	1.070E-11	2.332E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 20	YY-M/R 0	XY-M/R 34
MAXIMUM	-4.002E+01	2.389E+01	-6.987E+01	5.824E-12	0.	-8.248E+02
RESULTANT	4.625E+01	4.029E+01	7.945E+01	7.599E-12	0.	9.937E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 36	YY-M/R 36	XY-M/R 36
MAXIMUM	-3.669E+01	1.848E+01	-1.044E+02	9.448E-13	3.149E-13	1.887E+01
RESULTANT	4.424E+01	3.131E+01	1.507E+02	1.432E-12	4.774E-13	2.938E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

	XX-S/R 7	YY-S/R 4	XY-S/R 7	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	-2.627E+01	-1.559E+01	3.105E+01	9.067E-11	6.045E-11	1.963E+03
RESULTANT	4.232E+01	1.801E+01	4.584E+01	1.526E-10	1.018E-10	3.412E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

	XX-S/R 9	YY-S/R 4	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	3.092E+00	-3.427E+01	-5.822E+01	-2.825E-12	-3.434E-12	-3.927E+01
RESULTANT	7.364E+00	5.470E+01	8.424E+01	4.969E-12	5.904E-12	5.327E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 0	XY-M/R 5
MAXIMUM	2.147E+01	8.264E+00	7.146E+00	1.969E-10	0.	-1.350E+04
RESULTANT	2.477E+01	1.263E+01	1.115E+01	2.655E-10	0.	1.520E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	3.736E+01	4.510E+00	3.758E+01	1.615E-10	2.398E-10	9.651E+02
RESULTANT	3.994E+01	6.664E+00	4.045E+01	2.093E-10	3.095E-10	1.771E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 8	YY-M/R 8	XY-M/R 5
MAXIMUM	2.248E+01	-3.702E+01	-2.632E+01	2.993E-12	1.497E-12	1.712E+02
RESULTANT	2.489E+01	6.651E+01	2.883E+01	5.003E-12	2.502E-12	1.740E+02

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TABLE 4-11

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

	XX-S/R 7	YY-S/R 7	XY-S/R 5	XX-M/R 20	YY-M/R 20	XY-M/R 34
MAXIMUM	-7.712E+00	-2.890E+01	-6.345E+01	4.144E-11	3.243E-11	-8.721E+02
RESULTANT	1.300E+01	4.953E+01	7.060E+01	4.559E-11	3.604E-11	1.110E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 34
MAXIMUM	-2.257E+01	2.650E+01	-8.006E+01	0.	0.	3.775E+02
RESULTANT	2.802E+01	4.635E+01	8.971E+01	0.	0.	4.890E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 36	YY-M/R 0	XY-M/R 5
MAXIMUM	-4.753E+01	2.479E+01	-9.467E+01	6.146E-13	0.	2.320E+01
RESULTANT	5.954E+01	3.971E+01	1.418E+02	9.849E-13	0.	2.542E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

	XX-S/R 5	YY-S/R 4	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 9
MAXIMUM	-4.082E+01	-6.579E+00	3.204E+01	-8.501E-11	-4.731E-11	-1.638E+03
RESULTANT	6.312E+01	1.052E+01	4.780E+01	1.616E-10	8.103E-11	3.399E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

	XX-S/R 7	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 5	XY-M/R 5
MAXIMUM	2.092E+01	-8.929E+00	3.015E+01	1.348E-12	-2.345E-12	2.095E+02
RESULTANT	3.240E+01	1.846E+01	4.335E+01	1.832E-12	3.177E-12	2.258E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 21
MAXIMUM	-4.988E+01	-6.334E+00	1.962E+01	1.699E-12	1.699E-12	3.941E+01
RESULTANT	5.125E+01	1.284E+01	3.188E+01	2.401E-12	2.401E-12	5.988E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-1.207E+02	-8.600E+00	2.110E+01	0.	0.	1.506E+02
RESULTANT	1.245E+02	1.489E+01	3.016E+01	0.	0.	1.566E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-9.591E+01	-7.969E+00	4.534E+01	-1.161E-12	-1.185E-12	-1.258E+02
RESULTANT	9.738E+01	1.103E+01	4.870E+01	1.392E-12	1.523E-12	1.314E+02

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TABLE 4-11
ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 21
MAXIMUM	-6.801E+01	-6.856E+00	-1.549E+01	0.	0.	-3.982E+01
RESULTANT	6.876E+01	1.095E+01	2.010E+01	0.	0.	6.031E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

	XX-S/R 5	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-4.755E+01	1.718E+01	-1.566E+01	1.455E-12	2.182E-12	1.501E+02
RESULTANT	4.946E+01	2.666E+01	2.204E+01	2.103E-12	3.155E-12	1.612E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

	XX-S/R 7	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 8	XY-M/R 5
MAXIMUM	-7.335E+00	8.893E+01	-1.386E+01	4.171E-12	-1.133E-12	-4.408E+02
RESULTANT	1.257E+01	1.219E+02	2.001E+01	5.002E-12	1.991E-12	4.569E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 20	YY-M/R 20	XY-M/R 20
MAXIMUM	5.321E+01	9.944E+01	-4.205E+01	-2.705E-11	-2.705E-11	-1.694E+03
RESULTANT	6.028E+01	1.414E+02	5.166E+01	3.960E-11	3.960E-11	1.931E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

	XX-S/R 7	YY-S/R 7	XY-S/R 5	XX-M/R 20	YY-M/R 20	XY-M/R 20
MAXIMUM	-1.931E+01	-7.681E+01	-8.765E+01	4.405E-12	4.447E-12	7.302E+02
RESULTANT	2.693E+01	1.195E+02	9.733E+01	5.276E-12	7.672E-12	8.746E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 5	YY-M/R 0	XY-M/R 5
MAXIMUM	-6.285E+01	-7.861E+01	-6.138E+01	1.012E-13	0.	2.110E+01
RESULTANT	7.578E+01	1.209E+02	9.897E+01	1.207E-13	0.	2.517E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

	XX-S/R 5	YY-S/R 7	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-5.121E+01	1.160E+01	3.083E+01	1.443E-10	1.443E-10	-4.314E+03
RESULTANT	7.812E+01	1.748E+01	4.285E+01	2.114E-10	2.114E-10	5.572E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

	XX-S/R 9	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.658E+01	-4.282E+01	3.198E+01	9.978E-12	9.978E-12	-1.355E+02
RESULTANT	4.943E+01	7.533E+01	5.601E+01	1.136E-11	1.136E-11	1.477E+02

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TABLE 4-11
ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-3.506E+01	-1.449E+01	-2.385E+01	1.235E-12	2.960E-12	8.172E+01
RESULTANT	3.650E+01	2.632E+01	3.521E+01	1.371E-12	3.277E-12	9.397E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)						
	XX-S/R ₅	YY-S/R ₁₂	XY-S/R ₅	XX-M/R ₀	YY-M/R ₀	XY-M/R ₅
MAXIMUM	-3.288E+01	-7.483E+00	2.533E+01	0.	0.	-3.539E+02
RESULTANT	3.518E+01	1.310E+01	2.715E+01	0.	0.	3.751E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)						
	XX-S/R ₅	YY-S/R ₁₂	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-3.802E+01	-5.877E+00	4.285E+01	-4.288E-13	-8.600E-13	1.590E+02
RESULTANT	3.860E+01	1.067E+01	4.401E+01	5.082E-13	8.969E-13	1.658E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₂₁
MAXIMUM	-4.070E+01	1.095E+01	-8.125E+00	2.501E-12	2.501E-12	3.478E+01
RESULTANT	4.143E+01	1.754E+01	1.201E+01	2.724E-12	2.724E-12	4.134E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-3.399E+01	2.373E+01	-4.390E+01	1.613E-12	1.613E-12	-1.587E+02
RESULTANT	3.497E+01	3.280E+01	4.559E+01	1.736E-12	1.736E-12	1.636E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-6.757E+00	3.980E+01	-4.757E+01	1.733E-11	1.733E-11	1.093E+02
RESULTANT	1.251E+01	5.648E+01	6.042E+01	1.881E-11	1.881E-11	1.126E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)						
	XX-S/R ₅	YY-S/R ₇	XY-S/R ₇	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-7.987E+01	-6.046E+01	-4.521E+01	1.993E-13	-6.608E-13	-4.383E+01
RESULTANT	8.915E+01	9.011E+01	7.213E+01	2.358E-13	8.407E-13	6.337E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)						
	XX-S/R ₇	YY-S/R ₇	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₃₉
MAXIMUM	-5.083E+01	1.777E+01	7.491E+00	6.379E-10	5.476E-10	-8.160E+02
RESULTANT	8.044E+01	2.709E+01	1.513E+01	8.871E-10	7.608E-10	1.771E+03

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TABLE 4-11

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)

	XX-S/R 5	YY-S/R 7	XY-S/R 47	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-6.445E+01	8.704E+01	1.234E+01	-4.234E-11	-2.984E-11	-4.460E+02
RESULTANT	9.323E+01	1.414E+02	2.742E+01	4.747E-11	3.346E-11	5.775E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (58)

	XX-S/R 7	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.002E+01	-2.765E+01	3.755E+01	5.759E-12	2.483E-11	1.445E+03
RESULTANT	1.346E+01	4.466E+01	6.427E+01	6.023E-12	2.569E-11	1.487E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (59)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.144E+01	1.595E+01	3.923E+01	3.691E-12	-1.845E-12	-1.674E+02
RESULTANT	1.245E+01	2.301E+01	5.446E+01	3.784E-12	1.892E-12	1.758E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (60)

	XX-S/R 5	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.305E+01	2.623E+01	-2.111E+01	3.253E-12	4.426E-12	-3.189E+01
RESULTANT	1.345E+01	3.009E+01	3.059E+01	3.314E-12	4.509E-12	4.944E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (61)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 0	YY-M/R 5	XY-M/R 5
MAXIMUM	-4.124E+01	1.239E+01	1.895E+01	0.	-3.308E-12	-2.436E+02
RESULTANT	4.382E+01	1.664E+01	3.320E+01	0.	3.357E-12	2.461E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (62)

	XX-S/R 7	YY-S/R 7	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 32
MAXIMUM	-3.669E+01	8.271E+00	1.219E+01	6.411E-10	5.485E-10	-1.100E+03
RESULTANT	5.705E+01	1.355E+01	2.453E+01	9.600E-10	8.223E-10	2.036E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (63)

	XX-S/R 5	YY-S/R 7	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-6.357E+01	6.708E+01	-5.893E+01	-5.827E-11	-4.142E-11	-2.260E+02
RESULTANT	9.527E+01	1.085E+02	1.082E+02	6.524E-11	4.638E-11	2.739E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (64)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.876E+01	-2.860E+01	-2.316E+01	-5.522E-11	-5.522E-11	1.225E+02
RESULTANT	2.090E+01	3.898E+01	2.928E+01	5.711E-11	5.711E-11	1.593E+02

Los Alamos Technical Associates, Inc.

TABLE 4-11
ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Z PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (65)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	9	5	5	5	5
MAXIMUM	-1.260E+01	-2.944E+01	2.562E+01	2.063E-11	3.784E-11	-3.725E+02
RESULTANT	1.343E+01	4.896E+01	2.781E+01	2.137E-11	3.897E-11	4.798E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (66)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	5	5	5	5	5
MAXIMUM	-4.824E+00	2.522E+01	2.400E+01	4.029E-12	-2.015E-12	2.416E+02
RESULTANT	6.231E+00	3.558E+01	3.638E+01	4.175E-12	2.088E-12	2.579E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (67)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	5	7	5	5	5
MAXIMUM	-3.343E+00	5.973E+01	-2.049E+01	3.646E-12	5.053E-12	-6.953E+01
RESULTANT	3.717E+00	6.230E+01	3.056E+01	4.017E-12	5.533E-12	8.540E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (68)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	5	7	0	5	5
MAXIMUM	-1.314E+01	2.465E+01	-1.480E+01	0.	-4.599E-12	-3.704E+01
RESULTANT	1.409E+01	2.612E+01	2.363E+01	0.	4.685E-12	7.002E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (69)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	7	7	5	5	5
MAXIMUM	-2.142E+01	-4.441E+00	-1.986E+01	7.970E-13	7.970E-13	-2.598E+01
RESULTANT	2.521E+01	7.371E+00	3.158E+01	8.584E-13	8.584E-13	3.514E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (70)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	7	7	9	5	5	32
MAXIMUM	-1.314E+01	3.306E+00	9.212E+00	5.041E-11	-5.041E-11	-1.658E+03
RESULTANT	2.082E+01	5.523E+00	1.905E+01	8.545E-11	8.545E-11	2.880E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (71)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	7	7	5	5	5
MAXIMUM	-2.560E+01	5.242E+00	-2.136E+01	1.115E-11	2.753E-11	-9.572E+01
RESULTANT	3.351E+01	8.651E+00	4.367E+01	1.291E-11	3.183E-11	1.616E+02

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TABLE 4-12

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Y PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.073E+02	2.361E+01	-5.437E+01	-4.376E-11	-2.289E-11	-2.755E+02
RESULTANT	1.175E+02	2.990E+01	7.542E+01	4.683E-11	2.446E-11	2.899E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.125E+02	-1.281E+01	-6.335E+01	2.451E-11	2.451E-11	-2.800E+02
RESULTANT	1.193E+02	1.974E+01	8.113E+01	2.549E-11	2.549E-11	2.841E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 5	XY-M/R 7
MAXIMUM	-1.126E+02	-1.201E+01	6.349E+01	0.	2.481E-11	5.433E+01
RESULTANT	1.183E+02	1.676E+01	9.548E+01	0.	2.560E-11	7.271E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-9.804E+01	-1.605E+01	-7.110E+01	6.678E-12	-8.024E-12	-4.799E+02
RESULTANT	1.022E+02	2.236E+01	8.622E+01	6.762E-12	8.342E-12	4.859E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	-1.053E+02	-2.111E+01	-6.830E+01	-2.746E-11	-5.491E-11	6.727E+01
RESULTANT	1.090E+02	3.019E+01	8.583E+01	2.769E-11	5.537E-11	9.429E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-9.941E+01	-2.686E+01	-6.867E+01	-4.830E-11	-4.830E-11	4.333E+02
RESULTANT	1.036E+02	3.414E+01	9.547E+01	4.857E-11	4.857E-11	4.554E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.086E+02	-1.598E+01	-7.440E+01	-6.087E-11	-3.016E-11	7.451E+01
RESULTANT	1.160E+02	1.741E+01	9.376E+01	6.196E-11	3.076E-11	1.110E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R 5	YY-S/R 7	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.245E+02	-7.907E+00	-6.133E+01	-1.258E-10	-1.258E-10	7.566E+01
RESULTANT	1.353E+02	1.287E+01	7.683E+01	1.293E-10	1.293E-10	1.108E+02

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TABLE 4-12

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	-1.165E+02	7.351E+00	-4.306E+01	-1.508E-10	-1.131E-10	6.650E+01
RESULTANT	1.388E+02	1.093E+01	6.236E+01	1.590E-10	1.192E-10	1.039E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 19
MAXIMUM	-5.450E+01	-1.274E+01	-2.432E+01	-4.293E-11	-4.293E-11	2.487E+03
RESULTANT	6.728E+01	2.280E+01	4.543E+01	6.143E-11	6.143E-11	4.659E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 0	XY-M/R 19
MAXIMUM	-5.855E+01	-2.984E+01	-4.780E+01	-1.769E-11	0.	-2.838E+03
RESULTANT	7.099E+01	4.579E+01	6.273E+01	1.945E-11	0.	5.482E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-5.249E+01	-2.117E+01	-3.560E+01	-1.329E-10	-1.564E-10	-5.368E+02
RESULTANT	5.623E+01	3.439E+01	4.156E+01	1.423E-10	1.673E-10	5.561E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-6.768E+01	-1.070E+01	-4.728E+01	-2.276E-11	2.439E-11	-3.150E+02
RESULTANT	7.197E+01	1.802E+01	6.525E+01	2.385E-11	2.539E-11	3.223E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-6.714E+01	-7.854E+00	-4.806E+01	4.825E-11	9.650E-11	-2.272E+02
RESULTANT	7.176E+01	1.342E+01	5.970E+01	4.981E-11	9.963E-11	2.356E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.943E+01	-9.985E+00	-5.530E+01	-8.089E-12	-1.123E-11	-6.732E+02
RESULTANT	4.165E+01	1.332E+01	6.672E+01	8.401E-12	1.147E-11	6.825E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R 40	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	2.191E+01	-1.864E+01	-5.848E+01	2.715E-11	-2.674E-11	1.023E+02
RESULTANT	4.645E+01	2.585E+01	6.847E+01	2.736E-11	2.701E-11	1.451E+02

Los Alamos Technical Associates, Inc.

TABLE 4-12

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-1.916E+01	-2.898E+01	-5.894E+01	-9.179E-11	-6.322E-11	5.916E+02
RESULTANT	3.972E+01	4.248E+01	6.846E+01	9.230E-11	6.357E-11	6.274E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)						
	XX-S/R ₈	YY-S/R ₅	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	3.285E+01	-6.551E+01	-5.550E+01	-1.268E-10	-1.268E-10	1.235E+02
RESULTANT	6.258E+01	9.120E+01	7.498E+01	1.305E-10	1.305E-10	1.585E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₃₆	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-4.545E+01	-6.752E+01	-2.710E+01	-1.537E-10	-1.537E-10	9.626E+01
RESULTANT	6.689E+01	1.086E+02	4.071E+01	1.626E-10	1.626E-10	1.452E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)						
	XX-S/R ₅	YY-S/R ₇	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-2.929E+01	4.771E+01	-2.334E+01	-1.155E-10	-5.777E-11	5.890E+02
RESULTANT	3.821E+01	8.096E+01	2.821E+01	1.345E-10	6.724E-11	6.526E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)						
	XX-S/R ₅	YY-S/R ₉	XY-S/R ₅	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-2.471E+01	7.731E+00	3.317E+01	-1.468E-09	-2.232E-09	-1.046E+04
RESULTANT	3.102E+01	1.203E+01	5.213E+01	1.565E-09	2.378E-09	1.080E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-3.737E+01	-9.380E+00	-4.419E+01	-7.298E-10	8.225E-10	-1.512E+04
RESULTANT	4.264E+01	1.071E+01	5.104E+01	7.629E-10	8.553E-10	1.533E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₇
MAXIMUM	-4.336E+01	-1.285E+01	-4.506E+01	1.580E-09	7.890E-10	1.327E+03
RESULTANT	4.836E+01	1.443E+01	5.976E+01	1.627E-09	8.127E-10	1.599E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₉	XX-M/R ₅	YY-M/R ₅	XY-M/R ₅
MAXIMUM	-4.776E+01	-1.050E+01	-5.207E+01	1.162E-10	4.632E-10	-2.104E+04
RESULTANT	5.067E+01	1.245E+01	6.186E+01	1.175E-10	4.702E-10	2.127E+04

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TABLE 4-12

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	-5.150E+01	9.478E+00	-5.191E+01	8.649E-10	-8.583E-10	2.575E+03
RESULTANT	5.785E+01	1.527E+01	6.139E+01	8.717E-10	8.673E-10	3.498E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.516E+01	-1.069E+01	-4.976E+01	-2.890E-09	-1.990E-09	1.563E+04
RESULTANT	3.924E+01	1.705E+01	6.562E+01	2.905E-09	2.000E-09	1.678E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	1.295E+01	-4.451E+00	-4.611E+01	-6.834E-10	8.097E-10	-2.060E+04
RESULTANT	2.307E+01	7.710E+00	5.894E+01	7.131E-10	8.383E-10	2.081E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

	XX-S/R 9	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	1.187E+01	1.559E+01	-5.628E+01	1.533E-09	7.618E-10	-2.086E+03
RESULTANT	2.118E+01	1.874E+01	7.404E+01	1.574E-09	7.829E-10	2.253E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	1.586E+01	8.505E+00	-5.313E+01	7.220E-11	4.185E-10	-1.307E+04
RESULTANT	2.816E+01	1.322E+01	7.125E+01	7.408E-11	4.274E-10	1.341E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	3.766E+01	4.327E+00	-4.258E+01	8.114E-10	-8.070E-10	4.438E+03
RESULTANT	4.055E+01	9.047E+00	5.803E+01	8.182E-10	8.187E-10	6.000E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.962E+01	9.535E+00	-3.940E+01	-2.792E-09	-1.918E-09	1.395E+04
RESULTANT	3.879E+01	1.459E+01	5.707E+01	2.804E-09	1.927E-09	1.548E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

	XX-S/R 9	YY-S/R 4	XY-S/R 9	XX-M/R 5	YY-M/R 0	XY-M/R 7
MAXIMUM	3.174E+01	-9.466E+00	-2.172E+01	-2.003E-11	0.	1.193E+02
RESULTANT	4.784E+01	2.220E+01	3.884E+01	2.230E-11	0.	1.831E+02

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TABLE 4-12

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)						
	XX-S/R 5	YY-S/R 21	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	5.442E+01	-1.093E+01	-3.890E+01	2.569E-11	2.569E-11	-3.219E+02
RESULTANT	5.974E+01	2.424E+01	6.226E+01	2.649E-11	2.649E-11	3.346E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 0	YY-M/R 5	XY-M/R 5
MAXIMUM	1.021E+02	1.535E+01	-5.374E+01	0.	2.625E-11	-9.490E+01
RESULTANT	1.118E+02	1.910E+01	7.516E+01	0.	2.691E-11	1.215E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	7.132E+01	1.309E+01	-5.848E+01	2.713E-12	-1.044E-11	-1.950E+02
RESULTANT	1.016E+02	1.707E+01	8.029E+01	2.935E-12	1.062E-11	2.109E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)						
	XX-S/R 21	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-5.651E+01	-2.568E+01	-6.271E+01	-2.533E-11	-5.066E-11	-1.555E+02
RESULTANT	6.822E+01	3.764E+01	8.242E+01	2.561E-11	5.121E-11	2.455E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	4.468E+01	4.051E+01	-4.536E+01	-4.526E-11	-4.526E-11	3.108E+02
RESULTANT	5.710E+01	5.432E+01	6.042E+01	4.547E-11	4.547E-11	3.470E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	7.369E+01	8.741E+01	-4.620E+01	-5.817E-11	-2.851E-11	1.577E+02
RESULTANT	8.504E+01	1.149E+02	7.037E+01	5.907E-11	2.901E-11	1.831E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)						
	XX-S/R 5	YY-S/R 5	XY-S/R 36	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	8.441E+01	1.243E+02	-3.194E+01	-1.261E-10	-1.261E-10	6.015E+01
RESULTANT	1.004E+02	1.721E+02	5.069E+01	1.299E-10	1.299E-10	8.855E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)						
	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	9.341E+01	-9.598E+01	-9.061E+01	-1.640E-10	-1.235E-10	4.607E+02
RESULTANT	1.118E+02	1.507E+02	1.094E+02	1.735E-10	1.307E-10	4.784E+02

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TABLE 4-12

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	4.578E+01	3.863E+01	-4.326E+01	-1.064E-11	0.	-9.976E+01
RESULTANT	5.473E+01	6.289E+01	7.222E+01	1.184E-11	0.	1.417E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	9.798E+01	1.774E+01	-3.871E+01	-1.169E-11	1.234E-11	-1.062E+02
RESULTANT	1.040E+02	2.819E+01	5.538E+01	1.217E-11	1.277E-11	1.184E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	9.575E+01	2.346E+01	-4.702E+01	3.676E-12	-1.036E-11	-2.641E+02
RESULTANT	1.016E+02	3.059E+01	6.749E+01	3.740E-12	1.059E-11	2.688E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	1.091E+02	2.722E+01	3.719E+01	-2.664E-11	-5.328E-11	7.192E+01
RESULTANT	1.116E+02	3.411E+01	5.606E+01	2.687E-11	5.374E-11	1.128E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	9.775E+01	2.666E+01	-4.162E+01	-4.607E-11	-4.607E-11	3.587E+02
RESULTANT	1.011E+02	3.260E+01	6.773E+01	4.627E-11	4.627E-11	3.844E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	1.178E+02	1.089E+01	-4.836E+01	-5.765E-11	-2.909E-11	1.159E+02
RESULTANT	1.275E+02	1.399E+01	6.964E+01	5.851E-11	2.958E-11	1.497E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	1.497E+02	1.360E+00	-3.043E+01	-1.250E-10	-1.250E-10	8.365E+01
RESULTANT	1.648E+02	2.751E+00	4.363E+01	1.284E-10	1.284E-10	1.082E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	8.770E+01	7.302E+01	-4.974E+01	-4.503E-11	-2.342E-11	-2.470E+02
RESULTANT	9.711E+01	1.271E+02	8.465E+01	4.811E-11	2.492E-11	3.106E+02

TABLE 4-12

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
Y PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.007E+02	-3.749E+01	-3.138E+01	2.492E-11	2.492E-11	-1.828E+02
RESULTANT	1.058E+02	6.459E+01	5.048E+01	2.580E-11	2.580E-11	2.044E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.040E+01	-8.628E+00	-1.978E+01	-1.195E-11	1.242E-11	-7.658E+01
RESULTANT	2.124E+01	1.533E+01	2.074E+01	1.244E-11	1.287E-11	8.570E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.616E+01	-2.240E+01	3.765E+01	2.622E-11	1.251E-11	-2.828E+02
RESULTANT	1.689E+01	3.603E+01	4.733E+01	2.695E-11	1.286E-11	2.908E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.206E+01	-2.844E+01	1.743E+01	9.541E-13	7.115E-12	-1.727E+02
RESULTANT	1.319E+01	3.764E+01	2.645E+01	9.645E-13	7.237E-12	1.746E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	5.906E+00	-2.169E+01	1.524E+01	1.359E-11	-1.350E-11	4.209E+01
RESULTANT	8.743E+00	2.937E+01	2.180E+01	1.368E-11	1.363E-11	5.871E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.423E+01	-8.213E+00	-2.263E+01	-4.582E-11	-3.171E-11	2.872E+02
RESULTANT	1.468E+01	1.182E+01	2.818E+01	4.603E-11	3.185E-11	2.956E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	7.618E+00	2.007E+00	1.507E+01	-5.934E-12	-2.004E-12	-1.098E+01
RESULTANT	8.073E+00	2.617E+00	1.963E+01	7.002E-12	2.360E-12	1.640E+01

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TABLE 4-13

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
X PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	-8.063E+01	-2.153E+01	-3.063E+01	3.519E-11	3.519E-11	1.083E+03
RESULTANT	8.759E+01	2.247E+01	3.659E+01	4.416E-11	4.416E-11	1.487E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	-7.997E+01	-1.749E+01	-6.041E+01	-6.245E-11	-6.245E-11	9.523E+02
RESULTANT	8.451E+01	1.801E+01	6.504E+01	7.746E-11	7.746E-11	1.503E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

	XX-S/R ⁵	YY-S/R ²⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	-7.716E+01	-2.447E+00	-1.221E+02	-6.557E-11	-6.557E-11	-1.027E+03
RESULTANT	8.147E+01	5.051E+00	1.248E+02	7.957E-11	7.957E-11	1.305E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	-7.768E+01	-1.092E+01	-9.633E+01	-8.102E-11	-8.102E-11	5.996E+02
RESULTANT	8.445E+01	1.209E+01	9.829E+01	1.042E-10	1.042E-10	8.604E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁷
MAXIMUM	-8.050E+01	-3.923E+00	-1.110E+02	-5.380E-12	-5.380E-12	4.166E+01
RESULTANT	9.754E+01	6.150E+00	1.147E+02	7.164E-12	7.164E-12	5.673E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	-7.148E+01	-3.242E+01	-6.932E+01	-5.455E-12	-5.455E-12	3.201E+01
RESULTANT	8.812E+01	3.844E+01	7.268E+01	7.390E-12	7.390E-12	5.784E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁹
MAXIMUM	-8.987E+01	-2.398E+01	-6.616E+01	0.	0.	1.712E+02
RESULTANT	1.144E+02	2.798E+01	7.293E+01	0.	0.	2.508E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁴	XY-M/R ⁴
MAXIMUM	-3.774E+01	1.210E+01	-4.764E+01	0.	6.306E-11	-8.155E+03
RESULTANT	5.630E+01	2.029E+01	6.762E+01	0.	6.491E-11	8.580E+03

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TABLE 4-13

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 5
MAXIMUM	-3.108E+01	-3.268E+01	-1.160E+02	0.	1.542E-11	-2.006E+02
RESULTANT	3.627E+01	3.545E+01	1.236E+02	0.	1.840E-11	2.120E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)						
	XX-S/R 8	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 7
MAXIMUM	4.356E+01	-5.454E+00	-1.904E+02	0.	1.047E-11	4.221E+01
RESULTANT	6.252E+01	8.397E+00	1.938E+02	0.	1.373E-11	5.734E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 9
MAXIMUM	-5.708E+01	-2.559E+01	-1.353E+02	0.	2.424E-11	-9.234E+01
RESULTANT	7.868E+01	2.732E+01	1.509E+02	0.	3.451E-11	1.363E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)						
	XX-S/R 9	YY-S/R 40	XY-S/R 9	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	-8.808E+00	6.072E+00	1.032E+01	2.761E-11	4.142E-11	-1.555E+02
RESULTANT	1.497E+01	1.065E+01	1.517E+01	4.200E-11	6.300E-11	2.182E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)						
	XX-S/R 5	YY-S/R 9	XY-S/R 7	XX-M/R 0	YY-M/R 0	XY-M/R 4
MAXIMUM	-3.658E+01	2.771E+01	-6.035E+01	0.	0.	-3.047E+03
RESULTANT	7.286E+01	3.467E+01	9.088E+01	0.	0.	4.657E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)						
	XX-S/R 9	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 9
MAXIMUM	2.166E+01	1.022E+01	-9.516E+01	0.	0.	-1.775E+02
RESULTANT	2.759E+01	1.678E+01	1.082E+02	0.	0.	2.217E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)						
	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 9
MAXIMUM	1.673E+01	1.703E+01	-1.147E+02	0.	0.	-6.407E+03
RESULTANT	2.291E+01	1.909E+01	1.212E+02	0.	0.	7.759E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 0	XY-M/R 7
MAXIMUM	-2.608E+01	2.520E+01	-1.561E+02	-8.472E-10	0.	1.465E+03
RESULTANT	3.096E+01	2.681E+01	1.603E+02	9.967E-10	0.	2.004E+03

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TABLE 4-13

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)						
	XX-S/R ⁸	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁹
MAXIMUM	2.455E+01	3.265E+01	-1.819E+02	0.	0.	-4.450E+03
RESULTANT	3.347E+01	3.363E+01	1.845E+02	0.	0.	6.660E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)						
	XX-S/R ⁸	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁷
MAXIMUM	4.235E+01	-6.901E+00	-1.933E+02	0.	0.	6.407E+01
RESULTANT	5.053E+01	9.483E+00	1.964E+02	0.	0.	8.343E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)						
	XX-S/R ³⁶	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁹
MAXIMUM	4.112E+01	-3.888E+01	-1.281E+02	0.	0.	-4.647E+01
RESULTANT	6.391E+01	4.167E+01	1.396E+02	0.	0.	8.716E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)						
	XX-S/R ⁹	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁹
MAXIMUM	-5.996E+00	2.136E+01	-1.341E+01	0.	0.	-7.586E+01
RESULTANT	9.194E+00	3.461E+01	1.422E+01	0.	0.	1.191E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)						
	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁴	YY-M/R ⁴	XY-M/R ⁶
MAXIMUM	2.720E+01	3.607E+01	-6.912E+01	1.021E-10	4.148E-11	-3.653E+03
RESULTANT	4.665E+01	5.622E+01	1.041E+02	1.200E-10	5.694E-11	5.264E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)						
	XX-S/R ⁹	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	2.459E+01	7.507E+00	-9.857E+01	8.812E-12	7.071E-12	-4.166E+01
RESULTANT	3.181E+01	1.477E+01	1.060E+02	1.079E-11	8.634E-12	5.589E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)						
	XX-S/R ⁹	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	2.051E+01	1.137E+01	-1.031E+02	6.718E-10	4.540E-10	-3.752E+03
RESULTANT	2.960E+01	1.424E+01	1.075E+02	8.231E-10	5.541E-10	4.886E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)						
	XX-S/R ⁹	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁷
MAXIMUM	1.128E+01	-6.678E+00	-1.746E+02	8.447E-10	4.223E-10	8.480E+03
RESULTANT	2.116E+01	9.425E+00	1.784E+02	1.060E-09	5.298E-10	1.106E+04

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TABLE 4-13

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R 8	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	2.275E+01	-3.431E+00	-1.764E+02	6.548E-10	4.476E-10	3.908E+03
RESULTANT	3.277E+01	5.513E+00	1.782E+02	8.191E-10	5.558E-10	6.203E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R 8	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 7
MAXIMUM	3.723E+01	1.104E+01	-1.891E+02	1.451E-11	7.150E-12	4.505E+01
RESULTANT	4.518E+01	1.463E+01	1.922E+02	1.919E-11	9.533E-12	6.996E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

	XX-S/R 36	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	4.086E+01	-2.556E+01	-9.246E+01	1.538E-11	7.681E-12	4.535E+01
RESULTANT	5.606E+01	3.045E+01	9.932E+01	2.225E-11	1.113E-11	6.207E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

	XX-S/R 70	YY-S/R 7	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	-8.814E-01	5.493E+01	-1.443E+01	1.130E-11	7.467E-12	7.184E+01
RESULTANT	1.612E+00	8.547E+01	1.656E+01	1.909E-11	1.273E-11	8.255E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

	XX-S/R 5	YY-S/R 9	XY-S/R 7	XX-M/R 0	YY-M/R 4	XY-M/R 4
MAXIMUM	3.301E+01	3.888E+01	-5.367E+01	0.	4.333E-11	5.456E+03
RESULTANT	5.179E+01	6.899E+01	7.903E+01	0.	5.795E-11	7.901E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

	XX-S/R 9	YY-S/R 7	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 9
MAXIMUM	1.783E+01	1.242E+01	-1.079E+02	0.	1.427E-11	1.695E+02
RESULTANT	2.854E+01	2.690E+01	1.165E+02	0.	1.900E-11	2.104E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 7	XY-M/R 5
MAXIMUM	3.929E+01	2.946E+01	-1.817E+02	0.	-1.488E-11	6.184E+01
RESULTANT	5.856E+01	3.403E+01	1.859E+02	0.	2.281E-11	1.046E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

	XX-S/R 5	YY-S/R 40	XY-S/R 5	XX-M/R 0	YY-M/R 7	XY-M/R 5
MAXIMUM	6.380E+01	-1.883E+01	-7.484E+01	0.	-2.294E-11	1.111E+02
RESULTANT	8.504E+01	3.423E+01	8.368E+01	0.	3.254E-11	1.315E+02

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TABLE 4-13

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

	XX-S/R 9	YY-S/R 7	XY-S/R 5	XX-M/R 7	YY-M/R 7	XY-M/R 5
MAXIMUM	2.278E+00	8.756E+01	-1.223E+01	-3.462E-11	-5.193E-11	7.849E+01
RESULTANT	3.307E+00	1.341E+02	1.344E+01	4.791E-11	7.186E-11	8.422E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	4.256E+01	-4.923E+01	-5.784E+01	-5.118E-12	-5.118E-12	-1.100E+02
RESULTANT	6.124E+01	8.686E+01	8.102E+01	7.554E-12	7.554E-12	2.349E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	2.794E+01	-3.136E+01	-5.753E+01	-4.798E-12	-4.798E-12	-6.975E+01
RESULTANT	4.299E+01	3.648E+01	6.678E+01	7.051E-12	7.051E-12	1.377E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	4.957E+01	-2.656E+01	-7.420E+01	-8.624E-12	-8.624E-12	-7.838E+01
RESULTANT	5.925E+01	5.075E+01	8.121E+01	1.242E-11	1.242E-11	1.387E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	4.869E+01	5.263E+00	-8.856E+01	-6.236E-11	-6.236E-11	-1.031E+03
RESULTANT	5.546E+01	6.769E+00	9.281E+01	8.950E-11	8.950E-11	1.113E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	1.096E+02	4.131E+01	-1.627E+02	-3.758E-12	-3.758E-12	-6.122E+01
RESULTANT	1.137E+02	4.466E+01	1.660E+02	5.327E-12	5.327E-12	6.656E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

	XX-S/R 5	YY-S/R 25	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	9.273E+01	2.407E+00	-1.385E+02	-5.871E-11	-5.871E-11	-4.625E+02
RESULTANT	9.777E+01	4.004E+00	1.419E+02	8.194E-11	8.194E-11	7.134E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 7	YY-M/R 7	XY-M/R 7
MAXIMUM	8.422E+01	1.598E+01	-9.206E+01	5.841E-11	5.841E-11	4.283E+02
RESULTANT	9.129E+01	1.695E+01	9.305E+01	8.324E-11	8.324E-11	7.238E+02

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TABLE 4-13

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	9.870E+01	2.552E+01	-9.610E+01	0.	0.	-1.276E+02
RESULTANT	1.120E+02	2.918E+01	9.833E+01	0.	0.	1.691E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁷	YY-M/R ⁷	XY-M/R ⁵
MAXIMUM	1.239E+02	2.361E+01	-8.345E+01	4.688E-12	4.688E-12	-1.198E+02
RESULTANT	1.403E+02	2.580E+01	8.860E+01	6.471E-12	6.471E-12	1.508E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

	XX-S/R ⁵	YY-S/R ⁴⁰	XY-S/R ⁵	XX-M/R ⁷	YY-M/R ⁷	XY-M/R ⁷
MAXIMUM	7.079E+01	-3.985E+01	-1.523E+02	3.238E-12	3.238E-12	-1.550E+01
RESULTANT	8.849E+01	7.908E+01	1.692E+02	4.489E-12	4.489E-12	2.845E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

	XX-S/R ⁹	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁷	YY-M/R ⁷	XY-M/R ⁹
MAXIMUM	1.974E+00	8.816E+01	-1.695E+01	3.836E-12	3.836E-12	1.549E+01
RESULTANT	3.547E+00	1.357E+02	1.768E+01	5.366E-12	5.366E-12	2.211E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	3.364E+01	-5.511E+01	-4.898E+01	-2.848E-11	0.	-1.133E+02
RESULTANT	5.283E+01	9.842E+01	6.704E+01	4.427E-11	0.	2.666E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

	XX-S/R ⁴⁷	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.352E+01	-3.350E+01	-7.843E+01	-2.679E-11	0.	-1.368E+02
RESULTANT	2.636E+01	4.206E+01	8.535E+01	4.143E-11	0.	2.873E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	7.786E+01	-5.159E+01	-3.996E+01	-6.896E-11	-4.598E-11	-9.204E+01
RESULTANT	8.627E+01	8.758E+01	5.850E+01	1.048E-10	6.984E-11	2.155E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

	XX-S/R ⁵	YY-S/R ¹²	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁰	XY-M/R ¹²
MAXIMUM	8.891E+01	-2.704E+00	-5.255E+01	-3.013E-10	0.	-1.035E+03
RESULTANT	9.503E+01	5.057E+00	5.748E+01	4.514E-10	0.	1.616E+03

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TABLE 4-13

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 0	XY-M/R 12
MAXIMUM	1.120E+02	1.347E+01	-8.147E+01	-1.707E-11	0.	-5.179E+01
RESULTANT	1.177E+02	1.917E+01	8.961E+01	2.547E-11	0.	1.012E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 7	YY-M/R 0	XY-M/R 5
MAXIMUM	7.973E+01	-8.082E+00	-1.322E+02	1.551E-11	0.	2.161E+02
RESULTANT	8.335E+01	1.112E+01	1.331E+02	2.117E-11	0.	2.382E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

	XX-S/R 5	YY-S/R 40	XY-S/R 5	XX-M/R 7	YY-M/R 0	XY-M/R 5
MAXIMUM	3.409E+01	-1.252E+01	-3.676E+01	-1.234E-11	0.	-3.434E+01
RESULTANT	3.983E+01	2.421E+01	3.788E+01	1.754E-11	0.	4.762E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 7	YY-M/R 0	XY-M/R 5
MAXIMUM	7.100E+00	2.614E+01	-1.045E+01	-1.244E-11	0.	-4.075E+01
RESULTANT	8.794E+00	4.036E+01	1.119E+01	1.769E-11	0.	5.394E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 7	YY-M/R 0	XY-M/R 32
MAXIMUM	2.792E+01	-4.114E+01	-3.665E+01	3.796E-11	0.	-1.223E+02
RESULTANT	5.020E+01	7.406E+01	5.197E+01	6.099E-11	0.	2.975E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 7	YY-M/R 0	XY-M/R 32
MAXIMUM	2.987E+01	-1.977E+01	-5.969E+01	1.841E-11	0.	-1.057E+02
RESULTANT	3.750E+01	2.639E+01	6.551E+01	2.956E-11	0.	2.656E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	5.928E+01	-4.835E+01	-4.571E+01	-1.017E-10	-6.777E-11	-3.377E+02
RESULTANT	6.803E+01	8.730E+01	5.292E+01	1.617E-10	1.078E-10	8.543E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 7	YY-M/R 0	XY-M/R 5
MAXIMUM	6.063E+01	1.122E+01	-8.642E+01	1.832E-11	0.	-1.558E+02
RESULTANT	6.371E+01	1.451E+01	9.099E+01	2.847E-11	0.	1.971E+02

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TABLE 4-13

ELEMENT STRESSES, FLOOR PLAN, 0-FT ELEVATION,
X PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 7	YY-M/R 0	XY-M/R 5
MAXIMUM	4.614E+01	-1.794E+00	-6.306E+01	1.751E-11	0.	2.948E+02
RESULTANT	4.683E+01	2.992E+00	6.439E+01	2.274E-11	0.	3.154E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (58)						
	XX-S/R 47	YY-S/R 9	XY-S/R 5	XX-M/R 7	YY-M/R 7	XY-M/R 32
MAXIMUM	-3.078E+01	1.377E+01	-1.904E+01	5.784E-11	5.784E-11	-1.264E+02
RESULTANT	6.155E+01	2.588E+01	2.930E+01	9.359E-11	9.359E-11	2.609E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (59)						
	XX-S/R 5	YY-S/R 47	XY-S/R 5	XX-M/R 7	YY-M/R 7	XY-M/R 32
MAXIMUM	5.022E+01	-3.066E+00	-3.267E+01	5.736E-11	5.736E-11	-1.296E+02
RESULTANT	6.352E+01	6.798E+00	3.693E+01	9.281E-11	9.281E-11	2.766E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (60)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 7	YY-M/R 7	XY-M/R 32
MAXIMUM	6.145E+01	-1.661E+01	-3.612E+01	5.723E-11	5.723E-11	-1.352E+02
RESULTANT	6.908E+01	3.075E+01	4.101E+01	9.283E-11	9.283E-11	2.974E+02

Figure 4-4. Chemistry level floor plan, -21.25-ft elevation.

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TABLE 4-14

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Z PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-4.077E+00	4.277E+00	-9.777E+00	-1.377E-10	-2.663E-10	1.290E+03
RESULTANT	4.662E+00	7.881E+00	1.562E+01	1.450E-10	2.795E-10	1.687E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R ⁷	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.506E+00	6.553E+00	8.766E+00	2.694E-10	1.362E-10	-6.065E+02
RESULTANT	3.132E+00	8.844E+00	1.453E+01	2.803E-10	1.413E-10	9.674E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R ²⁵	YY-S/R ⁶¹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.584E+00	-5.959E+00	-2.674E+01	-2.132E-12	-3.192E-13	5.902E+01
RESULTANT	4.479E+00	1.670E+01	3.324E+01	2.311E-12	4.823E-13	8.917E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ³⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	6.379E+00	1.453E+01	-4.954E+00	-4.528E-12	-4.528E-12	-3.988E+01
RESULTANT	9.022E+00	2.508E+01	1.051E+01	5.095E-12	5.095E-12	5.054E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.004E+01	2.055E+01	3.629E+01	-2.790E-12	-2.790E-12	-9.490E+01
RESULTANT	1.095E+01	3.681E+01	4.122E+01	3.120E-12	3.120E-12	1.067E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.345E+01	-4.751E+01	2.519E+01	-2.488E-11	-2.488E-11	8.505E+01
RESULTANT	1.515E+01	6.483E+01	4.580E+01	2.707E-11	2.707E-11	1.080E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-9.067E+00	-2.964E+01	-5.100E+01	-9.602E-12	-1.587E-11	-2.591E+02
RESULTANT	1.944E+01	4.605E+01	6.918E+01	1.050E-11	1.800E-11	2.814E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R ⁷	YY-S/R ⁴	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	6.269E+00	-6.736E+00	-3.026E+01	-5.260E-12	3.615E-12	1.805E+02
RESULTANT	1.247E+01	1.330E+01	3.890E+01	6.180E-12	4.881E-12	1.883E+02

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TABLE 4-14

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)						
	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.014E+01	-4.002E+00	-2.726E+01	-4.180E-12	-4.180E-12	-7.548E+01
RESULTANT	1.396E+01	8.877E+00	3.527E+01	4.737E-12	4.737E-12	9.006E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)						
	XX-S/R ⁷	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	3.808E+00	2.790E+00	-1.103E+01	0.	0.	6.921E+01
RESULTANT	7.902E+00	7.061E+00	1.724E+01	0.	0.	7.372E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ²⁵
MAXIMUM	9.217E+00	5.862E+00	-4.362E+01	2.578E-12	3.495E-12	3.533E+01
RESULTANT	1.268E+01	1.147E+01	4.916E+01	2.788E-12	3.794E-12	6.482E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ³⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.458E+01	-1.305E+01	-7.949E+00	0.	0.	6.047E+01
RESULTANT	1.942E+01	2.098E+01	1.500E+01	0.	0.	6.817E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)						
	XX-S/R ⁷	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-8.686E+00	1.900E+01	6.805E+01	-2.347E-12	-3.521E-12	4.401E+01
RESULTANT	1.283E+01	3.248E+01	6.993E+01	3.909E-12	5.864E-12	7.421E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁸	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	5.780E+00	-7.584E+01	4.431E+01	2.601E-12	4.833E-12	-3.823E+02
RESULTANT	9.298E+00	1.108E+02	4.584E+01	3.903E-12	6.196E-12	3.943E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ¹⁴	YY-M/R ¹⁴	XY-M/R ¹⁴
MAXIMUM	-3.230E+01	-5.420E+01	5.702E+00	3.040E-11	3.040E-11	-1.785E+03
RESULTANT	4.274E+01	8.324E+01	1.482E+01	4.788E-11	4.788E-11	2.219E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ¹⁴	YY-M/R ³⁶	XY-M/R ¹⁴
MAXIMUM	-3.412E+01	3.898E+01	-4.460E+01	4.675E-12	-2.927E-12	7.750E+02
RESULTANT	4.320E+01	6.543E+01	6.184E+01	6.163E-12	4.304E-12	1.022E+03

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TABLE 4-14

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R 9	YY-S/R 7	XY-S/R 7	XX-M/R 36	YY-M/R 0	XY-M/R 36
MAXIMUM	4.414E+00	2.843E+01	5.530E+01	1.298E-13	0.	2.707E+01
RESULTANT	9.047E+00	4.465E+01	8.738E+01	2.178E-13	0.	4.542E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R 7	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	6.651E+00	9.395E+00	-3.749E+01	-1.130E-11	-7.744E-12	-7.844E+01
RESULTANT	1.258E+01	1.405E+01	4.483E+01	1.498E-11	1.003E-11	1.148E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 8	YY-M/R 8	XY-M/R 5
MAXIMUM	4.339E+01	-3.509E+01	1.911E+01	8.465E-12	5.558E-12	1.423E+02
RESULTANT	4.452E+01	5.881E+01	3.018E+01	1.371E-11	8.808E-12	1.570E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R 40	YY-S/R 5	XY-S/R 5	XX-M/R 29	YY-M/R 29	XY-M/R 29
MAXIMUM	-6.650E+00	-1.942E+01	-3.400E+01	-5.158E-12	-5.158E-12	1.124E+03
RESULTANT	1.249E+01	3.791E+01	4.407E+01	6.881E-12	6.881E-12	1.500E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 14	YY-M/R 0	XY-M/R 29
MAXIMUM	-1.634E+01	-1.297E+01	-4.436E+01	-6.639E-12	0.	-4.855E+02
RESULTANT	2.026E+01	3.031E+01	5.818E+01	9.265E-12	0.	6.391E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R 7	YY-S/R 7	XY-S/R 7	XX-M/R 36	YY-M/R 36	XY-M/R 5
MAXIMUM	1.300E+01	1.083E+01	6.684E+01	1.097E-12	3.656E-13	1.980E+01
RESULTANT	2.484E+01	2.135E+01	1.017E+02	1.614E-12	5.380E-13	3.361E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	-7.639E+00	-9.003E+00	-1.915E+01	4.704E-12	2.352E-12	-1.210E+02
RESULTANT	1.392E+01	1.251E+01	2.246E+01	6.009E-12	3.004E-12	1.348E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 8	YY-M/R 8	XY-M/R 5
MAXIMUM	-8.626E+00	-2.764E+01	1.772E+01	5.197E-12	2.599E-12	1.434E+02
RESULTANT	1.279E+01	4.516E+01	2.149E+01	7.627E-12	3.813E-12	1.465E+02

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TABLE 4-14

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 14	YY-M/R 14	XY-M/R 29
MAXIMUM	1.200E+01	-2.310E+01	-4.060E+01	-4.834E-11	-3.763E-11	-4.980E+02
RESULTANT	1.734E+01	3.761E+01	4.876E+01	6.146E-11	4.750E-11	7.405E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R 40	YY-S/R 7	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 29
MAXIMUM	-8.084E+00	-2.051E+01	-4.616E+01	0.	0.	2.161E+02
RESULTANT	1.678E+01	3.317E+01	5.574E+01	0.	0.	3.428E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

	XX-S/R 7	YY-S/R 7	XY-S/R 7	XX-M/R 36	YY-M/R 0	XY-M/R 5
MAXIMUM	2.180E+01	-1.525E+01	6.746E+01	7.116E-13	0.	3.340E+01
RESULTANT	3.471E+01	2.411E+01	9.991E+01	1.128E-12	0.	3.580E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

	XX-S/R 5	YY-S/R 39	XY-S/R 5	XX-M/R 9	YY-M/R 5	XY-M/R 5
MAXIMUM	1.204E+01	1.298E+01	-3.497E+01	2.103E-12	-2.988E-12	2.288E+02
RESULTANT	2.473E+01	2.409E+01	4.170E+01	2.974E-12	4.218E-12	2.437E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

	XX-S/R 5	YY-S/R 21	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.752E+01	-9.932E+00	-6.657E+01	3.732E-12	3.732E-12	-1.878E+02
RESULTANT	3.031E+01	1.940E+01	7.238E+01	4.420E-12	4.420E-12	2.278E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

	XX-S/R 5	YY-S/R 7	XY-S/R 7	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-5.616E+01	-1.115E+01	-1.533E+01	0.	0.	7.561E+01
RESULTANT	5.753E+01	1.727E+01	2.626E+01	0.	0.	1.105E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

	XX-S/R 25	YY-S/R 9	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 21
MAXIMUM	-2.593E+01	-9.230E+00	-1.798E+01	-2.073E-12	-2.749E-12	5.938E+01
RESULTANT	4.333E+01	1.491E+01	2.770E+01	2.758E-12	3.568E-12	6.365E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 0	YY-M/R 0	XY-M/R 21
MAXIMUM	6.736E+01	-2.381E+01	3.116E+01	0.	0.	-1.175E+02
RESULTANT	7.514E+01	3.625E+01	5.103E+01	0.	0.	1.930E+02

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TABLE 4-14

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ²¹
MAXIMUM	1.998E+01	1.759E+01	5.602E+01	2.699E-12	4.049E-12	4.764E+01
RESULTANT	2.128E+01	2.915E+01	6.172E+01	3.703E-12	5.554E-12	8.676E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁸	XY-M/R ⁵
MAXIMUM	1.704E+01	5.550E+01	3.948E+01	5.236E-12	2.075E-12	3.574E+02
RESULTANT	2.348E+01	8.813E+01	4.107E+01	6.685E-12	3.903E-12	3.802E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ¹⁴	YY-M/R ¹⁴	XY-M/R ¹⁴
MAXIMUM	2.730E+01	6.632E+01	4.291E+01	3.269E-11	3.269E-11	1.931E+03
RESULTANT	3.422E+01	1.022E+02	5.375E+01	5.855E-11	5.855E-11	2.353E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ¹⁴	YY-M/R ⁵	XY-M/R ¹⁴
MAXIMUM	3.433E+01	6.665E+01	3.746E+01	5.066E-12	5.542E-12	8.399E+02
RESULTANT	4.387E+01	9.697E+01	4.678E+01	6.398E-12	9.914E-12	1.061E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

	XX-S/R ⁷	YY-S/R ⁷	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	2.407E+01	6.692E+01	5.195E+01	1.228E-13	0.	2.562E+01
RESULTANT	3.288E+01	9.837E+01	7.493E+01	1.392E-13	0.	2.902E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

	XX-S/R ⁹	YY-S/R ⁴	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	2.280E+01	1.539E+01	1.244E+01	0.	0.	-1.548E+02
RESULTANT	3.860E+01	3.449E+01	2.499E+01	0.	0.	1.901E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

	XX-S/R ⁹	YY-S/R ³⁹	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.297E+01	1.055E+01	2.149E+01	1.266E-11	1.035E-11	6.785E+01
RESULTANT	2.575E+01	2.685E+01	4.512E+01	1.637E-11	1.338E-11	1.184E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

	XX-S/R ⁷	YY-S/R ⁷	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.910E+01	3.310E+01	3.495E+01	1.543E-11	1.543E-11	1.140E+02
RESULTANT	3.887E+01	7.102E+01	5.767E+01	1.777E-11	1.777E-11	1.214E+02

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TABLE 4-14

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

	XX-S/R ⁵	YY-S/R ¹²	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	5.602E+01	-1.317E+01	-5.414E+01	2.513E-12	5.781E-12	1.259E+02
RESULTANT	5.672E+01	2.792E+01	6.057E+01	2.761E-12	6.237E-12	1.543E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	4.300E+01	-1.522E+01	-1.085E+01	0.	0.	-1.967E+02
RESULTANT	4.379E+01	2.818E+01	1.801E+01	0.	0.	2.387E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-3.213E+01	-1.534E+01	-7.282E+00	1.187E-12	-2.850E-13	5.269E+01
RESULTANT	3.801E+01	2.061E+01	1.248E+01	1.244E-12	4.013E-13	7.418E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ²¹
MAXIMUM	-2.833E+01	-2.957E+01	-2.556E+01	4.733E-12	4.733E-12	9.924E+01
RESULTANT	3.466E+01	3.914E+01	3.766E+01	5.302E-12	5.302E-12	1.262E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	3.123E+01	2.166E+01	2.818E+01	2.846E-12	2.846E-12	-9.470E+01
RESULTANT	3.225E+01	3.633E+01	4.195E+01	3.070E-12	3.070E-12	1.102E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁹
MAXIMUM	3.182E+01	3.355E+01	3.446E+01	2.721E-11	2.721E-11	3.997E+01
RESULTANT	3.542E+01	5.062E+01	4.816E+01	2.977E-11	2.977E-11	5.349E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.817E+01	-5.397E+01	-4.214E+01	2.857E-13	-8.453E-13	-4.577E+01
RESULTANT	3.777E+01	8.088E+01	7.088E+01	3.375E-13	1.056E-12	6.523E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁵³	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.932E+01	-2.945E+01	2.005E+01	3.341E-11	2.651E-11	-7.706E+01
RESULTANT	4.923E+01	5.065E+01	4.639E+01	4.694E-11	3.738E-11	1.202E+02

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TABLE 4-14

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ³⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-2.934E+01	-6.478E+01	-1.340E+01	-5.552E-11	-3.935E-11	-3.418E+02
RESULTANT	5.017E+01	1.171E+02	3.228E+01	6.244E-11	4.425E-11	4.231E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ³³
MAXIMUM	6.204E+00	4.938E+01	-4.409E+01	2.366E-11	4.921E-11	-1.236E+03
RESULTANT	1.126E+01	8.815E+01	6.786E+01	2.991E-11	5.359E-11	1.920E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁴⁴
MAXIMUM	-8.633E+00	-3.409E+01	-1.886E+01	1.081E-11	-5.405E-12	5.261E+02
RESULTANT	1.239E+01	4.131E+01	2.633E+01	1.387E-11	6.936E-12	6.334E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ³⁸
MAXIMUM	-1.724E+01	-2.204E+01	-1.733E+01	1.206E-11	1.614E-11	-6.350E+02
RESULTANT	2.023E+01	3.233E+01	2.489E+01	1.690E-11	2.180E-11	1.127E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ³⁷
MAXIMUM	2.704E+01	-1.216E+01	1.817E+01	0.	-5.443E-12	2.757E+02
RESULTANT	2.932E+01	2.010E+01	2.770E+01	0.	5.840E-12	5.550E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ³²
MAXIMUM	2.051E+01	-1.996E+01	3.145E+01	3.432E-11	2.734E-11	-5.138E+01
RESULTANT	3.645E+01	3.628E+01	6.471E+01	5.098E-11	4.070E-11	1.036E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-2.019E+01	-5.225E+01	6.244E+01	-7.129E-11	-5.080E-11	-1.363E+02
RESULTANT	3.496E+01	9.538E+01	1.180E+02	7.959E-11	5.671E-11	1.784E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.310E+01	-3.485E+01	-2.988E+01	-6.433E-11	-6.433E-11	1.495E+02
RESULTANT	1.068E+01	5.762E+01	4.600E+01	6.660E-11	6.660E-11	1.990E+02

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TABLE 4-14

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Z PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L)		/ / /			ELEMENT NUMBER (57)	
	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 33
MAXIMUM	1.196E+01	-5.850E+01	-2.378E+01	2.516E-11	5.646E-11	1.192E+03
RESULTANT	1.234E+01	9.377E+01	3.047E+01	2.594E-11	6.086E-11	1.978E+03

ELEMENT TYPE (P L A T E / S H E L L)		/ / /			ELEMENT NUMBER (58)	
	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 44
MAXIMUM	-4.891E+00	-3.828E+01	-1.028E+01	9.653E-12	-4.827E-12	-5.073E+02
RESULTANT	6.643E+00	5.421E+01	1.405E+01	1.332E-11	6.658E-12	5.955E+02

ELEMENT TYPE (P L A T E / S H E L L)		/ / /			ELEMENT NUMBER (59)	
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 38
MAXIMUM	-6.505E+00	-4.464E+01	-1.749E+01	9.531E-12	1.303E-11	6.144E+02
RESULTANT	6.953E+00	5.723E+01	2.548E+01	1.512E-11	2.077E-11	1.098E+03

ELEMENT TYPE (P L A T E / S H E L L)		/ / /			ELEMENT NUMBER (60)	
	XX-S/R 5	YY-S/R 5	XY-S/R 7	XX-M/R 0	YY-M/R 5	XY-M/R 37
MAXIMUM	5.523E+00	-1.859E+01	1.654E+01	0.	-5.987E-12	-2.630E+02
RESULTANT	6.741E+00	2.397E+01	1.923E+01	0.	6.431E-12	5.603E+02

ELEMENT TYPE (P L A T E / S H E L L)		/ / /			ELEMENT NUMBER (61)	
	XX-S/R 7	YY-S/R 7	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	5.627E+00	-3.756E+00	-2.223E+01	1.015E-12	1.015E-12	-3.688E+01
RESULTANT	9.348E+00	5.143E+00	4.094E+01	1.097E-12	1.097E-12	4.941E+01

ELEMENT TYPE (P L A T E / S H E L L)		/ / /			ELEMENT NUMBER (62)	
	XX-S/R 9	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 32
MAXIMUM	6.189E+00	-8.769E+00	2.252E+01	4.318E-12	-3.768E-12	-7.928E+01
RESULTANT	1.249E+01	1.646E+01	4.499E+01	6.668E-12	6.338E-12	1.461E+02

ELEMENT TYPE (P L A T E / S H E L L)		/ / /			ELEMENT NUMBER (63)	
	XX-S/R 9	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 32
MAXIMUM	-7.132E+00	1.732E+00	2.416E+01	1.327E-11	3.286E-11	-8.701E+01
RESULTANT	1.281E+01	4.384E+00	4.780E+01	1.535E-11	3.796E-11	1.775E+02

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TABLE 4-15

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Y PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-9.321E+01	-1.044E+01	-2.643E+01	-1.981E-10	-1.981E-10	1.365E+02
RESULTANT	1.082E+02	1.197E+01	3.573E+01	2.102E-10	2.102E-10	2.114E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-5.010E+01	-7.542E+00	-3.580E+01	0.	5.759E-10	7.172E+02
RESULTANT	5.738E+01	1.084E+01	4.551E+01	0.	5.987E-10	9.673E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-2.997E+01	1.079E+01	-3.503E+01	-1.228E-09	-1.228E-09	-1.252E+03
RESULTANT	3.493E+01	1.591E+01	4.990E+01	1.262E-09	1.262E-09	1.295E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-6.039E+01	1.190E+01	-5.667E+01	0.	2.101E-11	1.175E+02
RESULTANT	6.466E+01	2.450E+01	6.895E+01	0.	2.134E-11	1.264E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	-9.211E+01	1.917E+01	-5.984E+01	-1.410E-10	-4.701E-11	2.422E+01
RESULTANT	9.558E+01	3.339E+01	7.520E+01	1.421E-10	4.737E-11	3.940E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-7.440E+01	1.585E+01	-5.825E+01	-1.395E-10	-9.302E-11	-2.012E+02
RESULTANT	7.912E+01	3.083E+01	8.472E+01	1.402E-10	9.343E-11	2.132E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-6.254E+01	-2.083E+01	-6.100E+01	-2.763E-10	-2.763E-10	-1.393E+02
RESULTANT	7.168E+01	2.332E+01	8.566E+01	2.802E-10	2.802E-10	1.581E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-7.382E+01	-7.713E+00	-4.848E+01	-9.544E-11	-2.849E-10	-2.168E+02
RESULTANT	8.646E+01	1.213E+01	6.206E+01	9.763E-11	2.914E-10	2.552E+02

TABLE 4-15

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-8.083E+01	5.529E+00	-2.796E+01	-5.380E-11	0.	1.382E+02
RESULTANT	9.844E+01	7.880E+00	4.100E+01	5.612E-11	0.	1.659E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ¹⁹
MAXIMUM	-3.713E+01	-2.213E+01	-2.983E+01	-2.275E-10	-2.275E-10	7.966E+02
RESULTANT	4.932E+01	2.504E+01	5.658E+01	3.353E-10	3.353E-10	1.478E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ¹⁹
MAXIMUM	-3.076E+01	-2.166E+01	-4.434E+01	-1.955E-10	-2.332E-10	-7.372E+02
RESULTANT	4.332E+01	3.058E+01	5.483E+01	2.640E-10	3.134E-10	1.452E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-3.908E+01	-1.390E+01	-4.115E+01	-1.930E-10	-1.930E-10	2.093E+02
RESULTANT	4.666E+01	2.399E+01	5.586E+01	2.047E-10	2.047E-10	2.551E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R ⁵	YY-S/R ³⁸	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.023E+02	5.200E+00	-4.372E+01	-1.149E-10	-3.827E-11	1.230E+01
RESULTANT	1.056E+02	1.209E+01	5.858E+01	1.180E-10	3.932E-11	2.173E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-4.235E+01	7.015E+00	-5.301E+01	-1.049E-11	4.243E-11	5.299E+01
RESULTANT	5.428E+01	1.557E+01	6.378E+01	1.066E-11	4.311E-11	5.763E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R ⁴⁰	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	2.899E+01	1.338E+01	-5.463E+01	-9.351E-11	-4.679E-11	2.059E+01
RESULTANT	6.167E+01	2.312E+01	6.311E+01	9.428E-11	4.716E-11	3.123E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R ⁴⁰	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.039E+01	-2.353E+01	-5.132E+01	-1.036E-10	-8.054E-11	-5.441E+01
RESULTANT	4.037E+01	4.148E+01	6.232E+01	1.040E-10	8.089E-11	6.677E+01

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TABLE 4-15

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-3.140E+01	-6.013E+01	-6.184E+01	-1.825E-10	-1.825E-10	-2.407E+02
RESULTANT	4.995E+01	8.212E+01	8.003E+01	1.850E-10	1.850E-10	2.486E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-5.229E+01	-3.960E+01	2.062E+01	-1.866E-10	-1.065E-10	8.143E+01
RESULTANT	8.078E+01	6.169E+01	4.898E+01	1.948E-10	1.112E-10	1.023E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.099E+01	-6.221E+00	4.986E+01	-3.169E-11	-6.339E-11	3.518E+01
RESULTANT	1.305E+01	7.712E+00	5.699E+01	3.348E-11	6.696E-11	4.127E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.047E+01	2.997E+00	-2.795E+01	-9.117E-09	-4.559E-09	-1.249E+04
RESULTANT	1.505E+01	7.153E+00	3.779E+01	9.449E-09	4.725E-09	1.280E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.153E+01	6.036E+00	-2.530E+01	-1.473E-08	-1.473E-08	-1.018E+04
RESULTANT	1.934E+01	1.087E+01	3.702E+01	1.512E-08	1.512E-08	1.054E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-8.859E+00	6.733E+00	-3.112E+01	2.619E-09	5.238E-09	2.437E+04
RESULTANT	1.318E+01	1.202E+01	3.659E+01	2.662E-09	5.323E-09	2.493E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-3.049E+01	6.939E+00	-2.655E+01	-1.187E-08	0.	-4.050E+03
RESULTANT	3.541E+01	1.349E+01	3.322E+01	1.197E-08	0.	6.951E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R ⁸	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	6.758E+00	1.266E+01	-2.960E+01	-1.455E-08	-1.455E-08	-1.286E+04
RESULTANT	1.188E+01	2.186E+01	3.432E+01	1.462E-08	1.462E-08	1.414E+04

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TABLE 4-15

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.164E+00	-1.168E+01	-3.794E+01	-1.277E-10	-1.277E-10	4.786E+01
RESULTANT	5.288E+00	1.426E+01	5.292E+01	1.346E-10	1.346E-10	6.143E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)						
	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 0	XY-M/R 5
MAXIMUM	-1.586E+01	-9.822E+00	-8.467E+00	-4.643E-09	0.	-7.994E+03
RESULTANT	2.052E+01	1.703E+01	1.442E+01	4.791E-09	0.	8.939E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)						
	XX-S/R 5	YY-S/R 7	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 25
MAXIMUM	-2.118E+01	-1.143E+01	-2.439E+01	-7.601E-09	-2.534E-09	2.080E+03
RESULTANT	2.393E+01	1.630E+01	3.502E+01	7.771E-09	2.591E-09	3.121E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)						
	XX-S/R 9	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	1.087E+01	-6.389E+00	-2.647E+01	2.590E-09	5.181E-09	1.852E+04
RESULTANT	1.781E+01	1.171E+01	3.350E+01	2.643E-09	5.286E-09	1.862E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 0	XY-M/R 5
MAXIMUM	2.509E+01	-9.074E+00	-1.354E+01	-1.138E-08	0.	-9.044E+03
RESULTANT	2.716E+01	1.658E+01	2.506E+01	1.150E-08	0.	1.495E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)						
	XX-S/R 8	YY-S/R 7	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	5.417E+00	-8.662E+00	-1.752E+01	-1.429E-08	-1.429E-08	-1.022E+04
RESULTANT	1.115E+01	1.546E+01	2.361E+01	1.434E-08	1.434E-08	1.075E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)						
	XX-S/R 9	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.259E+01	2.777E+01	1.954E+01	-5.667E-11	-1.133E-10	-1.464E+02
RESULTANT	4.577E+01	4.318E+01	3.394E+01	6.258E-11	1.252E-10	1.868E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)						
	XX-S/R 53	YY-S/R 21	XY-S/R 9	XX-M/R 25	YY-M/R 25	XY-M/R 25
MAXIMUM	6.179E+00	2.703E+00	3.488E+00	1.138E+02	7.741E+02	1.393E+01
RESULTANT	1.054E+01	4.820E+00	4.647E+00	1.501E+02	1.023E+03	1.829E+01

TABLE 4-15

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

	XX-S/R 53	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 25
MAXIMUM	6.245E+00	8.385E+00	2.416E+00	-6.251E+01	-4.173E+02	2.948E+01
RESULTANT	1.049E+01	9.878E+00	3.728E+00	9.518E+01	6.338E+02	4.021E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

	XX-S/R 21	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 25
MAXIMUM	-1.409E+01	-2.589E+01	-3.268E+01	-1.299E-10	-4.317E-11	-1.110E+02
RESULTANT	2.185E+01	3.737E+01	5.291E+01	1.314E-10	4.366E-11	1.526E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

	XX-S/R 5	YY-S/R 7	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.612E+01	-2.534E+01	-3.390E+01	-1.334E-10	-8.891E-11	-7.756E+01
RESULTANT	3.902E+01	4.142E+01	4.343E+01	1.339E-10	8.925E-11	9.868E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	4.231E+01	5.401E+01	-3.424E+01	-2.658E-10	-2.658E-10	-3.757E+02
RESULTANT	5.272E+01	7.787E+01	5.160E+01	2.690E-10	2.690E-10	3.897E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

	XX-S/R 5	YY-S/R 5	XY-S/R 36	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	5.121E+01	7.300E+01	-3.017E+01	-9.466E-11	-2.837E-10	-4.666E+01
RESULTANT	6.560E+01	1.093E+02	4.237E+01	9.679E-11	2.901E-10	9.176E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 5	YY-M/R 0	XY-M/R 5
MAXIMUM	7.641E+01	-5.384E+01	-8.423E+01	-5.393E-11	0.	1.458E+02
RESULTANT	9.283E+01	8.291E+01	1.020E+02	5.628E-11	0.	1.798E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

	XX-S/R 5	YY-S/R 7	XY-S/R 21	XX-M/R 0	YY-M/R 5	XY-M/R 7
MAXIMUM	6.880E+01	3.474E+01	-9.785E+00	0.	7.224E-11	1.477E+02
RESULTANT	7.448E+01	5.288E+01	2.015E+01	0.	7.451E-11	1.992E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	5.137E+01	-1.527E+01	-2.822E+01	-1.582E-10	-1.582E-10	3.014E+02
RESULTANT	5.785E+01	2.855E+01	4.161E+01	1.617E-10	1.617E-10	3.218E+02

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TABLE 4-15

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
Y PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁹	⁰	⁵	⁵
MAXIMUM	6.447E+01	-1.345E+01	-2.271E+01	0.	2.049E-11	7.595E+01
RESULTANT	6.887E+01	2.198E+01	2.951E+01	0.	2.091E-11	1.009E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁷	⁷	⁵	⁵	⁵
MAXIMUM	9.198E+01	-3.176E+01	2.056E+01	-1.321E-10	-4.436E-11	-1.327E+02
RESULTANT	9.578E+01	5.031E+01	3.629E+01	1.334E-10	4.479E-11	1.663E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	7.509E+01	1.843E+01	-4.591E+01	-1.330E-10	-8.869E-11	-2.115E+02
RESULTANT	7.969E+01	3.222E+01	6.091E+01	1.335E-10	8.902E-11	2.329E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	9.803E+01	1.595E+01	-6.638E+01	-2.653E-10	-2.653E-10	-8.679E+01
RESULTANT	1.097E+02	1.782E+01	7.675E+01	2.684E-10	2.684E-10	1.109E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	1.153E+02	2.234E+00	-4.076E+01	-9.469E-11	-2.836E-10	-7.060E+01
RESULTANT	1.315E+02	3.575E+00	4.698E+01	9.676E-11	2.898E-10	1.101E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁹	⁵	⁵	⁵
MAXIMUM	8.083E+01	-7.768E+01	-4.500E+01	-1.289E-10	-1.289E-10	-1.326E+02
RESULTANT	9.729E+01	1.296E+02	8.187E+01	1.366E-10	1.366E-10	1.791E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁷	⁷	⁵	⁰	⁷
MAXIMUM	7.828E+01	3.389E+01	3.969E+01	-7.239E-11	0.	9.024E+01
RESULTANT	8.722E+01	5.823E+01	6.504E+01	7.470E-11	0.	1.150E+02

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TABLE 4-16

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION.
X PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R XY-M/R
	5	5	9	0	9 7
MAXIMUM	-6.388E+01	1.434E+01	-1.817E+01	0.	2.548E-11 8.170E+01
RESULTANT	7.440E+01	2.232E+01	2.615E+01	0.	3.226E-11 1.033E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R XY-M/R
	5	5	5	0	9 5
MAXIMUM	-6.136E+01	1.305E+01	1.531E+01	0.	2.534E-11 8.781E+01
RESULTANT	6.647E+01	1.823E+01	1.982E+01	0.	3.195E-11 1.388E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R XY-M/R
	5	5	5	0	9 5
MAXIMUM	-7.153E+01	-1.428E+01	-2.055E+01	0.	3.191E-12 8.842E+00
RESULTANT	7.445E+01	1.478E+01	2.220E+01	0.	3.994E-12 1.537E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R XY-M/R
	5	5	5	9	9 9
MAXIMUM	-6.220E+01	-2.872E+00	-2.356E+01	2.618E-11	5.159E-11 -1.601E+02
RESULTANT	6.513E+01	4.724E+00	2.486E+01	3.254E-11	6.420E-11 2.545E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R XY-M/R
	5	5	9	9	0 5
MAXIMUM	-4.076E+01	8.382E+00	-8.528E+00	1.230E-10	0. -3.142E+02
RESULTANT	4.693E+01	1.124E+01	1.871E+01	1.516E-10	0. 4.965E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R XY-M/R
	5	8	5	0	9 5
MAXIMUM	-3.925E+01	4.067E+00	-5.281E+01	0.	3.180E-11 -1.764E+02
RESULTANT	6.222E+01	7.208E+00	5.534E+01	0.	3.998E-11 2.586E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R XY-M/R
	5	5	5	9	9 7
MAXIMUM	-4.482E+01	-1.871E+01	-2.624E+01	7.986E-12	1.617E-11 9.056E+01
RESULTANT	6.272E+01	2.398E+01	3.124E+01	1.006E-11	2.059E-11 1.452E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R XY-M/R
	5	9	5	0	9 7
MAXIMUM	-8.581E+01	-1.560E+00	-2.993E+01	0.	3.296E-11 2.641E+02
RESULTANT	1.102E+02	4.198E+00	3.785E+01	0.	4.243E-11 3.932E+02

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TABLE 4-16

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁴	YY-M/R ⁴	XY-M/R ⁴
MAXIMUM	-2.980E+01	1.201E+01	-3.593E+01	7.824E-11	-6.155E-11	-3.077E+03
RESULTANT	4.816E+01	1.781E+01	6.192E+01	8.034E-11	6.301E-11	3.339E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R ³⁹	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	7.529E+00	2.614E+01	-1.024E+02	1.119E-11	-1.174E-11	1.020E+02
RESULTANT	1.736E+01	4.314E+01	1.112E+02	1.350E-11	1.419E-11	1.667E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁹
MAXIMUM	-1.950E+01	1.626E+01	-1.139E+02	0.	0.	1.668E+03
RESULTANT	2.402E+01	2.761E+01	1.186E+02	0.	0.	2.504E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	-4.264E+01	1.245E+01	-1.368E+02	-9.526E-11	-9.526E-11	8.476E+02
RESULTANT	4.518E+01	1.445E+01	1.400E+02	1.135E-10	1.135E-10	1.305E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁹
MAXIMUM	1.137E+01	4.536E+01	-1.740E+02	0.	0.	1.158E+03
RESULTANT	1.955E+01	4.975E+01	1.763E+02	0.	0.	1.541E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R ⁸	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	4.838E+01	2.409E+01	-1.525E+02	-1.492E-11	-1.492E-11	7.575E+01
RESULTANT	5.549E+01	2.905E+01	1.569E+02	1.829E-11	1.829E-11	1.179E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	-7.677E+01	-6.836E+00	-1.065E+02	1.543E-11	-1.608E-11	1.189E+02
RESULTANT	1.003E+02	1.178E+01	1.196E+02	1.996E-11	2.048E-11	2.008E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁴	YY-M/R ⁴	XY-M/R ¹¹
MAXIMUM	-2.605E+01	2.453E+01	-4.707E+01	-1.552E-10	3.118E-10	-8.429E+02
RESULTANT	4.870E+01	3.673E+01	6.791E+01	1.603E-10	3.221E-10	1.348E+03

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TABLE 4-16

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	-5.335E+00	-8.421E+00	-7.186E+01	-1.121E-11	2.176E-11	-1.589E+02
RESULTANT	9.480E+00	1.543E+01	7.988E+01	1.334E-11	2.578E-11	2.319E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	9.757E+00	8.973E+00	-4.148E+01	-8.490E-09	5.613E-09	-2.717E+04
RESULTANT	1.318E+01	1.152E+01	4.353E+01	1.009E-08	6.661E-09	4.052E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R ₉	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	1.151E+01	3.541E+01	-9.858E+01	-3.316E-10	6.749E-10	-1.759E+03
RESULTANT	1.980E+01	3.795E+01	1.011E+02	3.921E-10	7.969E-10	2.894E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₉
MAXIMUM	2.579E+01	3.848E+01	-7.849E+01	2.321E-09	3.116E-09	4.126E+03
RESULTANT	3.072E+01	3.916E+01	8.043E+01	2.735E-09	3.674E-09	7.827E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R ₈	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₉
MAXIMUM	4.826E+01	1.535E+01	-1.550E+02	-1.299E-11	2.569E-11	4.102E+01
RESULTANT	5.045E+01	1.938E+01	1.566E+02	1.544E-11	3.056E-11	7.124E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₇
MAXIMUM	-3.784E+01	-9.888E+00	-9.122E+01	-1.401E-11	2.789E-11	-1.249E+02
RESULTANT	5.325E+01	1.470E+01	9.809E+01	1.672E-11	3.336E-11	2.066E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R ₉	YY-S/R ₅	XY-S/R ₅	XX-M/R ₄	YY-M/R ₄	XY-M/R ₆
MAXIMUM	2.124E+01	3.414E+01	-5.305E+01	2.666E-10	2.666E-10	-1.238E+03
RESULTANT	3.806E+01	6.071E+01	7.594E+01	2.896E-10	2.896E-10	1.737E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R ₉	YY-S/R ₄₇	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	1.018E+01	5.695E+00	-6.148E+01	2.180E-11	2.180E-11	-3.710E+01
RESULTANT	1.365E+01	1.430E+01	6.607E+01	2.648E-11	2.648E-11	4.429E+01

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TABLE 4-16

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	-1.107E+01	-7.423E+00	-3.177E+01	6.925E-09	5.526E-09	-1.225E+04
RESULTANT	1.174E+01	9.486E+00	3.324E+01	8.412E-09	6.712E-09	1.563E+04
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₉
MAXIMUM	-2.748E+01	-5.469E+01	-9.434E+01	3.278E-10	3.278E-10	1.917E+03
RESULTANT	3.103E+01	5.513E+01	9.661E+01	4.016E-10	4.016E-10	2.651E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)						
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₄₀
MAXIMUM	-1.951E+01	-1.324E+01	-7.165E+01	3.435E-10	0.	1.933E+03
RESULTANT	2.531E+01	1.354E+01	7.278E+01	4.255E-10	0.	3.871E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)						
	XX-S/R ₈	YY-S/R ₉	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	3.828E+01	-5.073E+00	-1.418E+02	2.173E-11	1.626E-11	6.763E+01
RESULTANT	4.040E+01	7.778E+00	1.439E+02	2.718E-11	2.038E-11	9.320E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)						
	XX-S/R ₃₆	YY-S/R ₄₀	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	1.828E+01	-7.146E+00	-7.023E+01	1.862E-10	1.862E-10	9.700E+02
RESULTANT	2.308E+01	1.433E+01	7.246E+01	2.383E-10	2.383E-10	1.646E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)						
	XX-S/R ₉	YY-S/R ₅	XY-S/R ₇	XX-M/R ₄	YY-M/R ₄	XY-M/R ₄
MAXIMUM	4.080E+01	5.928E+01	-3.529E+01	4.145E-11	-5.199E-11	1.944E+03
RESULTANT	6.673E+01	1.022E+02	5.425E+01	5.593E-11	6.974E-11	2.962E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)						
	XX-S/R ₉	YY-S/R ₃₈	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₉
MAXIMUM	1.313E+01	9.368E+00	-9.492E+01	1.081E-11	-1.021E-11	-1.106E+02
RESULTANT	2.522E+01	2.385E+01	1.007E+02	1.417E-11	1.337E-11	1.900E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)						
	XX-S/R ₄₀	YY-S/R ₇	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	5.554E+00	6.279E+00	-1.204E+02	8.416E-11	-8.439E-11	-2.353E+02
RESULTANT	1.261E+01	1.339E+01	1.256E+02	1.102E-10	1.100E-10	4.985E+02

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TABLE 4-16

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

	XX-S/R 53	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 21
MAXIMUM	6.129E+00	-1.074E+01	-2.560E+00	7.315E+01	4.376E+02	4.878E+01
RESULTANT	1.101E+01	1.326E+01	5.021E+00	9.772E+01	6.026E+02	6.552E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

	XX-S/R 36	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 9
MAXIMUM	8.371E+00	-1.668E+01	-1.710E+02	0.	0.	-9.410E+02
RESULTANT	1.643E+01	1.844E+01	1.733E+02	0.	0.	1.419E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	2.878E+01	7.802E+00	-1.498E+02	-8.756E-12	-8.756E-12	-8.321E+01
RESULTANT	4.371E+01	1.429E+01	1.542E+02	1.406E-11	1.406E-11	1.253E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 7	YY-M/R 7	XY-M/R 5
MAXIMUM	5.703E+01	2.592E+01	-8.546E+01	-8.544E-11	9.273E-11	1.702E+03
RESULTANT	7.183E+01	3.437E+01	9.232E+01	1.320E-10	1.374E-10	2.642E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	3.711E+01	6.307E+01	-6.048E+01	6.556E-12	1.320E-11	-1.144E+02
RESULTANT	5.565E+01	1.132E+02	7.461E+01	9.315E-12	1.870E-11	1.979E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	2.493E+01	1.040E+01	-3.440E+01	6.481E-12	1.275E-11	-9.266E+01
RESULTANT	4.273E+01	1.302E+01	4.147E+01	9.146E-12	1.794E-11	1.734E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 49
MAXIMUM	2.563E+01	-2.326E+01	-2.515E+01	0.	2.445E-11	8.386E+01
RESULTANT	4.089E+01	4.740E+01	3.243E+01	0.	3.431E-11	1.993E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

	XX-S/R 5	YY-S/R 25	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	3.607E+01	-3.673E+00	-1.823E+01	0.	0.	5.680E+02
RESULTANT	3.939E+01	6.750E+00	1.998E+01	0.	0.	7.038E+02

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TABLE 4-16

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

	XX-S/R ⁵³	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	6.063E+00	-2.699E+00	-3.283E+00	-8.776E+01	-4.392E+02	-1.704E+02
RESULTANT	1.038E+01	4.039E+00	4.565E+00	1.136E+02	6.193E+02	2.198E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁷	XY-M/R ⁵
MAXIMUM	6.370E+01	9.137E+00	-1.548E+01	0.	-7.570E-11	-3.306E+02
RESULTANT	7.077E+01	9.613E+00	1.831E+01	0.	1.139E-10	4.778E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁷	YY-M/R ⁷	XY-M/R ⁵
MAXIMUM	6.990E+01	1.594E+01	-4.471E+01	-5.314E-12	-1.023E-11	-8.257E+01
RESULTANT	8.274E+01	2.015E+01	4.758E+01	7.609E-12	1.490E-11	1.226E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁷	YY-M/R ⁷	XY-M/R ⁵
MAXIMUM	8.906E+01	9.087E+00	-4.449E+01	-5.681E-12	-1.079E-11	-1.153E+02
RESULTANT	1.026E+02	1.065E+01	5.068E+01	7.957E-12	1.541E-11	1.728E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

	XX-S/R ⁴⁷	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵³
MAXIMUM	-8.282E+00	5.679E+01	-3.221E+01	1.334E-10	9.525E-11	1.529E+02
RESULTANT	1.677E+01	9.663E+01	4.478E+01	1.972E-10	1.409E-10	2.910E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

	XX-S/R ⁴⁷	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵³
MAXIMUM	-5.118E+00	1.679E+01	-4.277E+01	1.261E-10	9.010E-11	1.532E+02
RESULTANT	9.956E+00	3.087E+01	4.581E+01	1.863E-10	1.331E-10	2.866E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵³
MAXIMUM	9.461E+01	-4.657E+01	2.393E+01	9.559E-11	9.559E-11	7.461E+01
RESULTANT	1.070E+02	8.502E+01	4.027E+01	1.404E-10	1.404E-10	1.970E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	5.456E+01	-3.653E+00	-1.341E+01	1.050E-09	1.050E-09	-2.961E+03
RESULTANT	6.115E+01	5.790E+00	1.536E+01	1.527E-09	1.527E-09	4.975E+03

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TABLE 4-16

ELEMENT STRESSES, FLOOR PLAN, 21.25-FT ELEVATION,
X PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	9.788E+01	1.658E+01	-4.590E+01	6.925E-10	4.924E-10	-2.704E+03
RESULTANT	1.075E+02	1.931E+01	5.622E+01	9.928E-10	7.055E-10	4.588E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)						
	XX-S/R 47	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 53
MAXIMUM	-9.733E+00	4.339E+01	-2.301E+01	1.720E-10	1.228E-10	1.787E+02
RESULTANT	1.886E+01	7.547E+01	3.755E+01	2.621E-10	1.872E-10	3.238E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 53
MAXIMUM	7.240E+00	1.025E+01	-4.358E+01	1.665E-10	1.189E-10	1.951E+02
RESULTANT	1.131E+01	2.047E+01	4.705E+01	2.536E-10	1.811E-10	3.498E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)						
	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 53
MAXIMUM	6.356E+01	4.065E+01	-7.065E+01	1.560E-10	1.114E-10	3.503E+02
RESULTANT	7.598E+01	9.045E+01	7.806E+01	2.368E-10	1.691E-10	6.211E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)						
	XX-S/R 47	YY-S/R 9	XY-S/R 53	XX-M/R 9	YY-M/R 9	XY-M/R 53
MAXIMUM	-1.435E+01	1.602E+01	-9.665E+00	1.755E-11	-1.727E-11	1.292E+02
RESULTANT	2.320E+01	2.823E+01	2.091E+01	2.778E-11	2.740E-11	2.660E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 53
MAXIMUM	1.473E+01	2.797E+00	-2.057E+01	1.743E-11	-1.711E-11	1.464E+02
RESULTANT	2.258E+01	4.733E+00	2.238E+01	2.758E-11	2.716E-11	2.897E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 53
MAXIMUM	1.847E+01	-1.347E+01	-2.484E+01	1.744E-11	-1.716E-11	1.631E+02
RESULTANT	2.305E+01	2.892E+01	2.979E+01	2.760E-11	2.724E-11	3.107E+02

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Figure 4-5. Fuel fabrication level floor plan, -42.5-ft elevation.

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TABLE 4-17

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Z PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.429E+01	9.224E+00	-2.907E+01	-5.559E-12	-1.023E-11	1.482E+02
RESULTANT	2.937E+01	1.618E+01	3.274E+01	5.869E-12	1.075E-11	1.723E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	5.555E+00	1.466E+01	-1.398E+01	0.	0.	-3.363E+01
RESULTANT	8.673E+00	2.106E+01	2.134E+01	0.	0.	5.431E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ²⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.473E+01	1.378E+01	1.034E+01	-1.548E-12	3.137E-13	-5.800E+01
RESULTANT	1.525E+01	2.582E+01	2.039E+01	1.929E-12	5.195E-13	9.604E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ³⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	9.506E+00	1.823E+01	-6.269E+00	-5.484E-12	-5.484E-12	-6.689E+01
RESULTANT	1.064E+01	3.135E+01	1.401E+01	8.445E-12	8.445E-12	7.832E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ²⁵
MAXIMUM	2.893E+01	1.853E+01	2.150E+01	-3.283E-12	-3.283E-12	3.657E+01
RESULTANT	2.954E+01	3.023E+01	3.072E+01	3.743E-12	3.743E-12	6.827E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.765E+01	-1.722E+01	-4.759E+01	-2.840E-11	-2.840E-11	3.441E+01
RESULTANT	2.841E+01	2.911E+01	5.626E+01	3.146E-11	3.146E-11	5.457E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

	XX-S/R ⁹	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	8.304E+00	-3.864E+01	-5.335E+01	-1.092E-11	-1.793E-11	-3.042E+02
RESULTANT	1.452E+01	5.921E+01	6.355E+01	1.230E-11	2.090E-11	3.584E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	3.663E+01	-7.896E+00	-2.896E+01	-5.258E-12	4.374E-12	9.697E+01
RESULTANT	6.021E+01	1.394E+01	4.550E+01	6.407E-12	5.449E-12	1.123E+02

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TABLE 4-17

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R 7	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	1.558E+01	9.949E+00	-3.429E+01	-5.387E-12	-5.387E-12	-8.724E+01
RESULTANT	2.485E+01	1.878E+01	6.181E+01	6.046E-12	6.046E-12	1.037E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R 7	YY-S/R 5	XY-S/R 9	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	8.908E+00	2.100E+01	-2.639E+01	0.	0.	2.338E+01
RESULTANT	1.249E+01	2.517E+01	4.496E+01	0.	0.	4.764E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.931E+01	9.892E+00	-2.563E+01	3.378E-12	4.220E-12	9.819E+01
RESULTANT	3.047E+01	1.908E+01	4.318E+01	3.662E-12	4.677E-12	1.346E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	3.825E+01	1.006E+01	-1.927E+01	0.	0.	1.068E+02
RESULTANT	4.063E+01	2.207E+01	3.310E+01	0.	0.	1.194E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	4.508E+01	1.556E+01	5.858E+01	-2.250E-12	-3.376E-12	-7.096E+01
RESULTANT	4.826E+01	2.720E+01	6.629E+01	4.306E-12	6.460E-12	1.152E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 8	YY-M/R 5	XY-M/R 5
MAXIMUM	4.654E+01	-3.042E+01	-2.490E+01	3.442E-12	4.382E-12	-2.757E+02
RESULTANT	5.070E+01	4.525E+01	3.682E+01	4.874E-12	6.503E-12	3.063E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R 40	YY-S/R 5	XY-S/R 5	XX-M/R 14	YY-M/R 14	XY-M/R 14
MAXIMUM	-1.159E+01	-5.586E+01	-2.002E+01	4.465E-11	4.465E-11	-2.685E+03
RESULTANT	1.966E+01	8.746E+01	2.902E+01	6.385E-11	6.385E-11	3.067E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R 40	YY-S/R 9	XY-S/R 5	XX-M/R 14	YY-M/R 36	XY-M/R 14
MAXIMUM	-6.479E+00	1.709E+01	-3.261E+01	7.004E-12	-3.448E-12	1.161E+03
RESULTANT	1.164E+01	2.800E+01	4.288E+01	8.353E-12	4.923E-12	1.385E+03

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TABLE 4-17

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-7.416E+00	-3.410E+00	-7.524E+00	-4.971E-09	-4.090E-09	-2.500E+04
RESULTANT	1.088E+01	4.748E+00	9.181E+00	6.471E-09	5.245E-09	2.719E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.152E+01	7.249E+00	-5.301E+01	-1.382E-09	-1.368E-09	-2.809E+03
RESULTANT	1.252E+01	1.175E+01	5.550E+01	1.655E-09	1.644E-09	3.538E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R 5	YY-S/R 5	XY-S/R 7	XX-M/R 0	YY-M/R 0	XY-M/R 9
MAXIMUM	-1.936E+01	7.997E+00	-1.221E+01	0.	0.	-1.789E+03
RESULTANT	2.029E+01	1.219E+01	1.666E+01	0.	0.	3.112E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R 5	YY-S/R 7	XY-S/R 7	XX-M/R 5	YY-M/R 0	XY-M/R 5
MAXIMUM	-5.023E+00	4.956E+00	-1.191E+01	-2.371E-10	0.	5.596E+03
RESULTANT	8.778E+00	1.043E+01	1.790E+01	2.615E-10	0.	6.199E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R 5	YY-S/R 7	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	8.679E+00	7.882E+00	1.065E+01	2.159E-10	-1.735E-10	-6.654E+03
RESULTANT	1.299E+01	1.536E+01	1.898E+01	2.789E-10	2.420E-10	7.165E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 9
MAXIMUM	-1.278E+01	9.238E+00	3.777E+01	-3.813E-10	-1.907E-10	-1.965E+03
RESULTANT	1.328E+01	1.937E+01	4.348E+01	5.971E-10	2.986E-10	2.956E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 8	YY-M/R 8	XY-M/R 5
MAXIMUM	-4.787E+00	-2.443E+01	-3.083E+01	8.449E-09	6.584E-09	3.673E+04
RESULTANT	6.790E+00	3.274E+01	3.388E+01	1.158E-08	8.924E-09	4.157E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 14	YY-M/R 14	XY-M/R 14
MAXIMUM	1.167E+01	3.532E+01	-5.253E+01	7.079E-12	7.079E-12	-1.543E+03
RESULTANT	1.545E+01	4.462E+01	6.172E+01	9.264E-12	9.264E-12	2.019E+03

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TABLE 4-17

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)						
	XX-S/R 40	YY-S/R 9	XY-S/R 5	XX-M/R 14	YY-M/R 0	XY-M/R 14
MAXIMUM	-4.402E+00	1.945E+01	-4.408E+01	-1.075E-11	0.	6.611E+02
RESULTANT	8.561E+00	2.472E+01	5.823E+01	1.301E-11	0.	8.642E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)						
	XX-S/R 47	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	4.754E+00	2.229E+00	-6.293E+00	0.	0.	-1.552E+04
RESULTANT	1.030E+01	3.391E+00	8.558E+00	0.	0.	1.798E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)						
	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	-1.415E+01	-8.092E+00	-6.039E+01	2.643E-10	4.097E-10	3.037E+03
RESULTANT	2.010E+01	1.240E+01	6.282E+01	3.500E-10	5.425E-10	4.875E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)						
	XX-S/R 5	YY-S/R 53	XY-S/R 7	XX-M/R 0	YY-M/R 0	XY-M/R 9
MAXIMUM	-2.055E+01	3.401E+00	-1.830E+01	0.	0.	-3.138E+03
RESULTANT	2.996E+01	7.904E+00	2.408E+01	0.	0.	4.297E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)						
	XX-S/R 5	YY-S/R 40	XY-S/R 7	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	1.530E+01	-2.982E+00	-1.768E+01	5.455E-11	-3.905E-11	-2.979E+03
RESULTANT	2.140E+01	6.837E+00	2.472E+01	1.134E-10	6.197E-11	5.113E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 58	YY-M/R 0	XY-M/R 5
MAXIMUM	2.648E+01	-8.445E+00	-1.623E+01	-6.221E-11	0.	-3.057E+03
RESULTANT	3.255E+01	1.452E+01	2.325E+01	1.278E-10	0.	4.767E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)						
	XX-S/R 5	YY-S/R 40	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	1.365E+01	-5.213E+00	4.083E+01	2.876E-10	2.876E-10	2.470E+03
RESULTANT	1.420E+01	1.156E+01	4.302E+01	4.596E-10	4.596E-10	3.994E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 8	YY-M/R 8	XY-M/R 5
MAXIMUM	5.987E+00	1.188E+01	-3.045E+01	3.413E-09	1.706E-09	3.002E+04
RESULTANT	7.059E+00	1.654E+01	3.280E+01	4.488E-09	2.244E-09	3.213E+04

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TABLE 4-17

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)						
	XX-S/R 8	YY-S/R 9	XY-S/R 5	XX-M/R 14	YY-M/R 14	XY-M/R 30
MAXIMUM	-4.140E+00	2.992E+01	-6.649E+01	-8.114E-11	-6.227E-11	-4.235E+02
RESULTANT	6.790E+00	4.088E+01	7.794E+01	9.309E-11	7.125E-11	7.042E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 30
MAXIMUM	4.332E+00	1.747E+01	-4.249E+01	0.	0.	1.824E+02
RESULTANT	7.536E+00	2.608E+01	5.604E+01	0.	0.	3.122E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	-1.100E+01	1.123E+01	-1.453E+01	6.164E-10	6.164E-10	1.373E+04
RESULTANT	2.121E+01	1.624E+01	1.894E+01	9.322E-10	9.322E-10	1.845E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-7.898E+00	-8.481E+00	-7.999E+01	3.594E-12	3.594E-12	-1.423E+02
RESULTANT	1.059E+01	2.093E+01	8.421E+01	4.289E-12	4.289E-12	1.945E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)						
	XX-S/R 53	YY-S/R 5	XY-S/R 5	XX-M/R 21	YY-M/R 21	XY-M/R 21
MAXIMUM	6.274E+00	1.836E+01	-5.392E+00	-1.211E+02	-8.254E+02	1.490E+01
RESULTANT	1.107E+01	2.272E+01	8.239E+00	1.785E+02	1.214E+03	2.257E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)						
	XX-S/R 53	YY-S/R 5	XY-S/R 53	XX-M/R 21	YY-M/R 21	XY-M/R 21
MAXIMUM	6.211E+00	1.334E+01	-3.435E+00	-6.398E+01	-4.254E+02	3.265E+01
RESULTANT	1.103E+01	1.900E+01	7.732E+00	8.601E+01	5.716E+02	4.651E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)						
	XX-S/R 25	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	7.748E+00	-1.192E+01	-2.714E+01	0.	0.	1.325E+02
RESULTANT	1.348E+01	2.313E+01	4.928E+01	0.	0.	2.207E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)						
	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 21
MAXIMUM	-8.512E+00	-1.812E+01	4.059E+01	3.073E-12	4.609E-12	-6.564E+01
RESULTANT	1.281E+01	2.596E+01	5.702E+01	4.304E-12	6.455E-12	8.708E+01

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TABLE 4-17

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.743E+01	3.025E+01	-2.805E+01	5.228E-12	-2.836E-12	-2.624E+02
RESULTANT	1.977E+01	4.408E+01	4.597E+01	7.031E-12	4.960E-12	2.907E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ¹⁴	YY-M/R ¹⁴	XY-M/R ¹⁴
MAXIMUM	-9.612E+00	-3.593E+01	-6.183E+01	5.750E-11	5.750E-11	3.507E+03
RESULTANT	1.557E+01	5.573E+01	7.761E+01	8.220E-11	8.220E-11	3.794E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ¹⁴	YY-M/R ¹⁴	XY-M/R ¹⁴
MAXIMUM	-7.756E+00	-1.785E+01	-3.625E+01	-9.144E-12	-9.314E-12	-1.516E+03
RESULTANT	9.098E+00	2.726E+01	5.167E+01	1.013E-11	1.352E-11	1.679E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	5.331E+01	1.528E+01	1.863E+01	0.	0.	-1.311E+02
RESULTANT	7.980E+01	2.806E+01	3.349E+01	0.	0.	2.019E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)						
	XX-S/R ⁹	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.517E+01	3.017E+01	-3.967E+01	1.476E-11	1.139E-11	-3.136E+02
RESULTANT	3.206E+01	5.902E+01	6.492E+01	1.956E-11	1.531E-11	3.773E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)						
	XX-S/R ⁹	YY-S/R ⁷	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁹
MAXIMUM	-2.442E+01	5.915E+01	3.609E+01	1.809E-11	1.809E-11	3.122E+01
RESULTANT	4.689E+01	1.005E+02	5.638E+01	2.104E-11	2.104E-11	6.467E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ²¹
MAXIMUM	-2.373E+01	3.548E+01	-6.610E+01	3.485E-12	7.124E-12	-8.753E+01
RESULTANT	2.520E+01	6.122E+01	7.439E+01	3.800E-12	7.654E-12	1.247E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)						
	XX-S/R ⁵³	YY-S/R ²¹	XY-S/R ⁹	XX-M/R ²¹	YY-M/R ²¹	XY-M/R ²¹
MAXIMUM	6.082E+00	6.016E+00	3.725E+00	-7.567E+01	-5.226E+02	-1.174E+01
RESULTANT	1.045E+01	9.075E+00	5.326E+00	9.396E+01	6.496E+02	1.456E+01

TABLE 4-17

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)						
	XX-S/R 53	YY-S/R 21	XY-S/R 9	XX-M/R 21	YY-M/R 21	XY-M/R 21
MAXIMUM	6.114E+00	2.828E+00	2.695E+00	-4.131E+01	-2.743E+02	-2.594E+01
RESULTANT	1.036E+01	3.673E+00	4.575E+00	5.870E+01	3.904E+02	3.277E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)						
	XX-S/R 7	YY-S/R 7	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 9
MAXIMUM	-4.053E+00	-3.612E+01	-2.902E+01	6.142E-12	6.142E-12	8.106E+01
RESULTANT	8.396E+00	4.857E+01	4.337E+01	6.743E-12	6.743E-12	1.333E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)						
	XX-S/R 5	YY-S/R 7	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.089E+01	-2.430E+01	2.067E+01	3.528E-12	3.528E-12	-9.712E+01
RESULTANT	2.114E+01	3.194E+01	3.479E+01	3.832E-12	3.832E-12	1.243E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)						
	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.916E+01	-2.140E+01	-4.140E+01	3.281E-11	3.281E-11	-5.044E+01
RESULTANT	2.074E+01	3.148E+01	5.443E+01	3.615E-11	3.615E-11	7.922E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)						
	XX-S/R 9	YY-S/R 9	XY-S/R 53	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	3.622E+01	-2.171E+01	-1.156E+01	3.311E-11	2.621E-11	-9.992E+01
RESULTANT	6.899E+01	3.625E+01	2.824E+01	4.764E-11	3.790E-11	1.411E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)						
	XX-S/R 9	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.328E+01	-7.458E+01	-3.546E+01	-6.414E-11	-4.550E-11	-3.389E+02
RESULTANT	5.285E+01	1.248E+02	4.985E+01	7.189E-11	5.103E-11	3.820E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)						
	XX-S/R 9	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.651E+01	-1.795E+01	2.474E+01	3.520E-11	2.799E-11	-5.823E+01
RESULTANT	5.071E+01	3.025E+01	4.679E+01	5.292E-11	4.222E-11	1.160E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)						
	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	3.023E+01	-5.162E+01	5.255E+01	-7.848E-11	-5.613E-11	7.267E+01
RESULTANT	6.952E+01	8.802E+01	9.266E+01	8.724E-11	6.237E-11	1.809E+02

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TABLE 4-17

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Z PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)

	XX-S/R 9	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 32
MAXIMUM	7.585E+00	-5.270E+00	2.079E+01	4.491E-12	-3.890E-12	-8.135E+01
RESULTANT	1.591E+01	9.118E+00	3.866E+01	7.003E-12	6.612E-12	1.553E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (58)

	XX-S/R 38	YY-S/R 53	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 32
MAXIMUM	7.730E+00	-6.416E-01	1.797E+01	1.373E-11	3.402E-11	-8.924E+01
RESULTANT	2.066E+01	1.564E+00	3.450E+01	1.595E-11	3.948E-11	1.804E+02

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TABLE 4-18

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Y. PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁹	⁵	⁵	⁵
MAXIMUM	-6.282E+01	-4.197E+00	-2.354E+01	9.475E-11	9.475E-11	1.322E+02
RESULTANT	7.378E+01	7.849E+00	3.719E+01	1.006E-10	1.006E-10	2.193E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁹	⁵	⁵	⁵
MAXIMUM	-5.434E+01	-8.398E+00	-3.551E+01	2.906E-10	3.875E-10	1.571E+02
RESULTANT	6.284E+01	1.347E+01	5.076E+01	3.019E-10	4.025E-10	2.372E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁹	⁵	⁵	⁵
MAXIMUM	-3.639E+01	-1.731E+01	-3.952E+01	-9.930E-11	-4.915E-11	1.613E+02
RESULTANT	4.269E+01	2.630E+01	5.486E+01	1.019E-10	5.040E-11	2.267E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁹	⁵	⁵	⁵
MAXIMUM	-4.865E+01	1.739E+01	-4.945E+01	-5.448E-11	-5.448E-11	-1.659E+02
RESULTANT	5.235E+01	2.982E+01	6.368E+01	5.520E-11	5.520E-11	1.971E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁹	⁰	⁰	⁵
MAXIMUM	-7.614E+01	2.274E+01	-4.701E+01	0.	0.	-1.145E+02
RESULTANT	7.988E+01	4.190E+01	6.398E+01	0.	0.	1.419E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁹	⁵	⁵	²⁵
MAXIMUM	-6.109E+01	1.927E+01	-4.467E+01	-9.251E-11	-3.084E-11	5.463E+01
RESULTANT	6.472E+01	3.111E+01	6.338E+01	9.272E-11	3.091E-11	9.896E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁹	⁵	⁵	⁷
MAXIMUM	-4.442E+01	-1.054E+01	-4.418E+01	1.261E-10	1.261E-10	3.299E+01
RESULTANT	4.993E+01	2.091E+01	6.563E+01	1.275E-10	1.275E-10	7.778E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁹	⁵	⁵	⁵
MAXIMUM	-5.387E+01	1.011E+01	-3.287E+01	1.309E-10	1.309E-10	-1.049E+02
RESULTANT	6.198E+01	1.384E+01	4.244E+01	1.334E-10	1.334E-10	1.446E+02

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TABLE 4-18

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-6.393E+01	9.130E+00	-1.386E+01	-3.419E-11	1.057E-10	2.740E+02
RESULTANT	7.377E+01	1.126E+01	2.026E+01	3.530E-11	1.091E-10	2.989E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)						
	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ³¹
MAXIMUM	-2.110E+01	-2.012E+01	-2.814E+01	4.932E-11	4.932E-11	-2.402E+03
RESULTANT	3.288E+01	2.323E+01	5.262E+01	6.832E-11	6.832E-11	3.317E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)						
	XX-S/R ³⁹	YY-S/R ⁴	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ³¹
MAXIMUM	1.149E+01	-2.069E+01	-3.475E+01	0.	-5.549E-11	2.163E+03
RESULTANT	2.699E+01	2.749E+01	5.014E+01	0.	7.002E-11	2.919E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)						
	XX-S/R ⁹	YY-S/R ⁴	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	1.450E+01	-1.747E+01	-2.952E+01	9.305E-11	9.305E-11	1.317E+02
RESULTANT	2.995E+01	2.985E+01	4.722E+01	9.875E-11	9.875E-11	2.482E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)						
	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.043E+01	-1.291E+01	6.338E+01	2.857E-10	3.809E-10	4.063E+02
RESULTANT	1.960E+01	2.994E+01	8.294E+01	2.964E-10	3.953E-10	4.971E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-3.659E+01	3.103E+01	-3.040E+01	-9.824E-11	-4.931E-11	-6.247E+01
RESULTANT	3.895E+01	4.336E+01	4.822E+01	1.008E-10	5.054E-11	1.113E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.724E+01	1.312E+01	-3.760E+01	-5.391E-11	-5.391E-11	-1.196E+02
RESULTANT	2.742E+01	2.703E+01	6.073E+01	5.464E-11	5.464E-11	1.562E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)						
	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	3.203E+01	1.815E+01	-3.767E+01	0.	0.	-6.637E+01
RESULTANT	4.928E+01	2.880E+01	4.748E+01	0.	0.	1.010E+02

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TABLE 4-18

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	3.900E+01	2.507E+01	-4.434E+01	-9.090E-11	-3.030E-11	-1.263E+02
RESULTANT	5.351E+01	3.565E+01	5.996E+01	9.110E-11	3.037E-11	1.558E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	3.664E+01	2.536E+01	-5.367E+01	1.242E-10	1.242E-10	1.732E+02
RESULTANT	4.993E+01	3.640E+01	6.895E+01	1.256E-10	1.256E-10	1.869E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-2.965E+01	-1.913E+01	3.325E+01	-3.401E-11	1.046E-10	2.298E+02
RESULTANT	5.175E+01	2.993E+01	4.829E+01	3.512E-11	1.081E-10	2.502E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.323E+01	4.609E+00	-2.016E+01	1.514E-09	3.028E-09	-1.148E+04
RESULTANT	1.757E+01	9.852E+00	2.524E+01	1.550E-09	3.101E-09	1.244E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.029E+01	8.237E+00	-2.670E+01	-1.694E-09	-1.694E-09	-4.666E+03
RESULTANT	1.211E+01	1.609E+01	3.208E+01	1.718E-09	1.718E-09	5.747E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-2.754E+01	1.436E+01	-2.480E+01	0.	0.	5.108E+03
RESULTANT	3.087E+01	2.192E+01	3.708E+01	0.	0.	5.940E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.806E+01	-5.070E+00	-1.286E+01	1.536E-09	3.072E-09	-8.207E+03
RESULTANT	2.166E+01	8.479E+00	1.719E+01	1.571E-09	3.142E-09	1.038E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	5.909E+00	-1.776E+01	-2.163E+01	-1.630E-09	-1.630E-09	-3.962E+03
RESULTANT	9.008E+00	2.245E+01	2.660E+01	1.658E-09	1.658E-09	4.570E+03

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TABLE 4-18

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 25
MAXIMUM	1.995E+01	-1.724E+01	-1.484E+01	0.	0.	2.496E+03
RESULTANT	2.298E+01	2.228E+01	1.866E+01	0.	0.	4.728E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R 5	YY-S/R 4	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 43
MAXIMUM	2.919E+01	-1.219E+01	4.233E+01	-9.889E-11	-9.889E-11	-1.290E+03
RESULTANT	4.920E+01	1.980E+01	6.283E+01	1.226E-10	1.226E-10	1.935E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

	XX-S/R 40	YY-S/R 5	XY-S/R 9	XX-M/R 0	YY-M/R 5	XY-M/R 43
MAXIMUM	1.953E+01	1.977E+01	-1.357E+01	0.	-4.127E-11	1.403E+03
RESULTANT	3.452E+01	3.353E+01	2.703E+01	0.	4.512E-11	2.239E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

	XX-S/R 9	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-5.824E+00	-3.719E+01	-4.693E+01	2.829E-10	3.772E-10	3.491E+02
RESULTANT	1.472E+01	5.436E+01	5.583E+01	2.910E-10	3.880E-10	4.112E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

	XX-S/R 53	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	6.186E+00	1.532E+01	-3.615E+00	-1.217E+02	-8.222E+02	2.704E+01
RESULTANT	1.038E+01	1.599E+01	5.659E+00	1.326E+02	9.015E+02	2.875E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

	XX-S/R 53	YY-S/R 5	XY-S/R 5	XX-M/R 25	YY-M/R 25	XY-M/R 5
MAXIMUM	6.281E+00	5.581E+00	-2.457E+00	2.596E+01	1.723E+02	3.520E+01
RESULTANT	1.032E+01	7.344E+00	4.637E+00	3.575E+01	2.358E+02	4.161E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

	XX-S/R 5	YY-S/R 7	XY-S/R 9	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	1.023E+01	-2.548E+01	-2.763E+01	0.	0.	-2.595E+02
RESULTANT	1.542E+01	4.232E+01	4.526E+01	0.	0.	3.112E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

	XX-S/R 9	YY-S/R 7	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.339E+01	-2.283E+01	-3.271E+01	-8.738E-11	-2.913E-11	-2.358E+02
RESULTANT	3.091E+01	3.319E+01	4.384E+01	8.758E-11	2.919E-11	2.538E+02

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TABLE 4-18

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.863E+01	-3.343E+01	-4.322E+01	1.228E-10	1.228E-10	7.944E+01
RESULTANT	3.543E+01	4.755E+01	5.662E+01	1.240E-10	1.240E-10	1.344E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)						
	XX-S/R ³⁶	YY-S/R ⁷	XY-S/R ³⁶	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ²⁵
MAXIMUM	1.714E+01	-3.311E+01	-1.838E+01	1.303E-10	1.303E-10	-5.855E+01
RESULTANT	3.701E+01	4.751E+01	3.426E+01	1.326E-10	1.326E-10	1.058E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)						
	XX-S/R ³⁶	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.303E+01	-1.138E+01	-9.057E+01	-3.373E-11	1.046E-10	2.992E+02
RESULTANT	3.672E+01	1.682E+01	1.010E+02	3.486E-11	1.080E-10	3.159E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.180E+01	3.973E+01	-1.832E+01	2.874E-10	3.832E-10	1.901E+02
RESULTANT	1.784E+01	5.659E+01	2.701E+01	2.961E-10	3.948E-10	2.190E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)						
	XX-S/R ²¹	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-6.413E+00	2.359E+01	-1.714E+01	-9.914E-11	-4.919E-11	1.239E+02
RESULTANT	1.124E+01	3.602E+01	3.162E+01	1.012E-10	5.015E-11	1.888E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)						
	XX-S/R ⁹	YY-S/R ⁷	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-7.023E+00	-1.905E+01	1.977E+01	-5.025E-11	-5.025E-11	-3.184E+01
RESULTANT	1.551E+01	2.484E+01	2.954E+01	5.114E-11	5.114E-11	5.023E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)						
	XX-S/R ⁴⁰	YY-S/R ⁷	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.009E+01	-4.081E+01	3.333E+01	0.	0.	-1.600E+02
RESULTANT	2.208E+01	5.255E+01	3.741E+01	0.	0.	2.012E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)						
	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	4.068E+01	-1.994E+01	-4.355E+01	-8.798E-11	-2.933E-11	-1.755E+02
RESULTANT	4.405E+01	2.845E+01	5.377E+01	8.818E-11	2.939E-11	2.013E+02

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TABLE 4-18

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
Y PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	7.406E+01	-3.822E+00	-6.137E+01	1.244E-10	1.244E-10	-1.408E+02
RESULTANT	8.223E+01	7.859E+00	6.708E+01	1.256E-10	1.256E-10	2.008E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.062E+02	-3.547E+00	-3.788E+01	1.320E-10	1.320E-10	6.433E+01
RESULTANT	1.194E+02	6.083E+00	4.230E+01	1.343E-10	1.343E-10	1.257E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	7.793E+01	-3.203E+01	8.504E+00	4.529E-11	4.529E-11	1.437E+02
RESULTANT	9.578E+01	5.583E+01	2.582E+01	4.777E-11	4.777E-11	2.359E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

	XX-S/R ⁵	YY-S/R ⁷	XY-S/R ⁴⁰	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	6.192E+01	1.087E+01	-7.627E+00	7.187E-11	1.200E-10	1.066E+02
RESULTANT	7.616E+01	1.726E+01	1.819E+01	7.408E-11	1.237E-10	1.264E+02

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TABLE 4-19

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
X PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁹	⁹	⁷
MAXIMUM	-2.908E+01	1.574E+01	-5.308E+01	3.404E-11	3.404E-11	6.225E+01
RESULTANT	3.873E+01	2.015E+01	7.539E+01	4.356E-11	4.356E-11	1.229E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁹	⁹	⁷
MAXIMUM	-2.758E+01	2.214E+01	-5.177E+01	3.394E-11	3.394E-11	5.776E+01
RESULTANT	3.594E+01	2.500E+01	6.135E+01	4.314E-11	4.314E-11	1.037E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁰	⁰	⁷
MAXIMUM	-4.017E+01	4.336E+00	-5.570E+01	0.	0.	6.476E+01
RESULTANT	4.382E+01	6.957E+00	5.852E+01	0.	0.	9.636E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁴⁰	⁵	⁵	⁹	⁹	⁷
MAXIMUM	1.199E+01	2.369E+01	-5.406E+01	8.027E-11	8.027E-11	9.171E+01
RESULTANT	2.309E+01	2.531E+01	5.591E+01	9.692E-11	9.692E-11	1.381E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁹	⁵	⁵	⁹	⁹	⁷
MAXIMUM	-1.447E+01	2.839E+01	-4.455E+01	4.127E-11	4.127E-11	6.336E+01
RESULTANT	2.790E+01	3.058E+01	4.634E+01	4.997E-11	4.997E-11	1.071E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁹	⁹	⁷
MAXIMUM	-3.352E+01	6.505E+00	-1.914E+01	-2.103E-11	-2.103E-11	6.412E+01
RESULTANT	4.911E+01	1.037E+01	2.446E+01	2.558E-11	2.558E-11	1.060E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁹	⁹	⁷
MAXIMUM	-5.551E+01	1.386E+01	-1.856E+01	4.281E-11	4.281E-11	1.175E+02
RESULTANT	6.859E+01	1.649E+01	2.679E+01	5.209E-11	5.209E-11	1.974E+02

TABLE 4-19

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₄	YY-M/R ₄	XY-M/R ₄
MAXIMUM	-2.069E+01	1.222E+01	-3.633E+01	2.007E-10	2.799E-10	2.252E+03
RESULTANT	3.455E+01	1.814E+01	5.820E+01	2.131E-10	2.930E-10	3.564E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	-1.512E+01	4.541E+01	-1.019E+02	1.137E-11	1.525E-11	-3.888E+01
RESULTANT	1.729E+01	6.545E+01	1.067E+02	1.366E-11	1.837E-11	8.103E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	-3.102E+01	9.965E+00	-1.157E+02	7.666E-11	9.228E-11	-1.181E+02
RESULTANT	3.394E+01	1.416E+01	1.196E+02	9.172E-11	1.105E-10	2.542E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R ₈	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₉
MAXIMUM	5.765E+01	5.970E+01	-1.884E+02	4.911E-11	3.905E-11	-1.090E+02
RESULTANT	7.369E+01	6.462E+01	2.055E+02	5.826E-11	4.631E-11	1.648E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	-3.115E+01	1.815E+01	-8.882E+01	6.304E-11	8.339E-11	1.725E+02
RESULTANT	4.584E+01	2.328E+01	9.845E+01	7.573E-11	9.992E-11	2.642E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₄	YY-M/R ₄	XY-M/R ₁₃
MAXIMUM	-1.676E+01	2.264E+01	-5.419E+01	7.990E-11	7.990E-11	-1.030E+03
RESULTANT	2.983E+01	3.119E+01	7.056E+01	8.145E-11	8.145E-11	1.448E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R ₅	YY-S/R ₇	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅₈
MAXIMUM	-7.867E+00	4.779E+00	-4.042E+01	4.691E-10	4.691E-10	7.209E+03
RESULTANT	1.107E+01	8.214E+00	4.419E+01	5.664E-10	5.664E-10	1.135E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅₈
MAXIMUM	-6.121E+00	-7.448E+00	-8.073E+01	2.342E-10	4.576E-10	3.612E+03
RESULTANT	9.992E+00	1.096E+01	8.494E+01	2.802E-10	5.450E-10	5.817E+03

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TABLE 4-19

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₉
MAXIMUM	-1.864E+01	2.464E+01	-8.007E+01	4.926E-10	-4.926E-10	-2.250E+03
RESULTANT	2.333E+01	2.719E+01	8.192E+01	5.771E-10	5.771E-10	3.378E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R ₈	YY-S/R ₈	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₅
MAXIMUM	1.127E+02	2.338E+01	-1.748E+02	1.817E-11	0.	8.494E+01
RESULTANT	1.476E+02	3.630E+01	1.797E+02	2.139E-11	0.	1.179E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R ₃₆	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₅
MAXIMUM	1.892E+01	1.318E+01	-7.051E+01	1.563E-10	0.	6.008E+02
RESULTANT	2.452E+01	1.769E+01	7.449E+01	1.846E-10	0.	1.026E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R ₉	YY-S/R ₅	XY-S/R ₅	XX-M/R ₄	YY-M/R ₀	XY-M/R ₁₅
MAXIMUM	1.651E+01	3.035E+01	-7.328E+01	6.868E-11	0.	9.489E+02
RESULTANT	2.867E+01	4.304E+01	8.832E+01	7.149E-11	0.	1.410E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₅₈
MAXIMUM	1.223E+01	-1.878E+01	-3.319E+01	4.281E-10	0.	-6.198E+03
RESULTANT	1.700E+01	2.226E+01	3.718E+01	5.225E-10	0.	1.092E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R ₅	YY-S/R ₇	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₉
MAXIMUM	4.373E+00	8.832E+00	-6.560E+01	4.239E-10	0.	5.180E+03
RESULTANT	7.131E+00	1.260E+01	7.060E+01	5.173E-10	0.	9.528E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₀	XY-M/R ₉
MAXIMUM	1.919E+01	1.182E+01	-6.956E+01	4.472E-10	0.	1.744E+03
RESULTANT	2.104E+01	1.487E+01	7.079E+01	5.383E-10	0.	2.905E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R ₈	YY-S/R ₈	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉	XY-M/R ₅
MAXIMUM	7.692E+01	1.412E+01	-1.651E+02	8.067E-12	8.067E-12	4.425E+01
RESULTANT	1.002E+02	2.228E+01	1.718E+02	9.750E-12	9.750E-12	8.040E+01

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TABLE 4-19

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)						
	XX-S/R 36	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	1.804E+01	1.216E+01	-7.005E+01	6.925E-11	6.925E-11	6.228E+02
RESULTANT	2.353E+01	1.745E+01	7.237E+01	8.453E-11	8.453E-11	1.004E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)						
	XX-S/R 9	YY-S/R 5	XY-S/R 5	XX-M/R 4	YY-M/R 4	XY-M/R 13
MAXIMUM	3.476E+01	4.400E+01	-8.789E+01	1.272E-10	1.010E-10	2.482E+03
RESULTANT	5.472E+01	6.352E+01	1.072E+02	1.664E-10	1.319E-10	3.249E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)						
	XX-S/R 53	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 21
MAXIMUM	6.098E+00	-1.477E+01	4.763E+00	-1.529E+02	-1.000E+03	2.941E+01
RESULTANT	1.046E+01	1.503E+01	6.820E+00	1.555E+02	1.017E+03	4.405E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	-1.733E+01	-4.640E+01	-1.860E+02	4.075E-11	4.787E-11	9.206E+01
RESULTANT	3.734E+01	4.957E+01	1.933E+02	5.551E-11	6.514E-11	1.308E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	3.003E+01	5.014E+00	-6.303E+01	3.365E-10	4.525E-10	1.307E+03
RESULTANT	4.189E+01	7.738E+00	6.754E+01	4.701E-10	6.330E-10	1.941E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)						
	XX-S/R 40	YY-S/R 9	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	1.669E+01	-1.021E+01	-6.814E+01	2.862E-11	2.862E-11	2.853E+02
RESULTANT	2.923E+01	2.602E+01	8.184E+01	3.936E-11	3.936E-11	4.166E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)						
	XX-S/R 40	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	1.104E+01	-2.007E+01	-5.748E+01	5.211E-11	5.211E-11	1.946E+02
RESULTANT	2.116E+01	2.294E+01	6.633E+01	7.113E-11	7.113E-11	3.710E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)						
	XX-S/R 53	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	6.042E+00	1.182E+01	3.074E+00	7.732E+01	5.035E+02	-3.253E+01
RESULTANT	1.015E+01	1.219E+01	5.254E+00	7.915E+01	5.149E+02	3.804E+01

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TABLE 4-19

ELEMENT STRESSES, FLOOR PLAN, 42.5-FT ELEVATION,
X PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁹	⁹	⁶
MAXIMUM	1.719E+01	-1.875E+01	-6.113E+01	4.666E-11	4.666E-11	-1.094E+02
RESULTANT	3.530E+01	2.013E+01	6.270E+01	7.116E-11	7.116E-11	2.088E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁹	⁹	⁵
MAXIMUM	3.127E+01	-1.762E+01	-3.778E+01	-1.178E-11	-1.178E-11	-7.302E+01
RESULTANT	4.162E+01	1.943E+01	4.107E+01	1.834E-11	1.834E-11	1.163E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁹	⁹	⁵
MAXIMUM	5.895E+01	-1.551E+01	-2.993E+01	2.369E-11	2.369E-11	-1.520E+02
RESULTANT	6.900E+01	1.713E+01	3.663E+01	3.725E-11	3.725E-11	2.389E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁹	⁵	⁹	⁹	⁴⁰
MAXIMUM	7.598E+01	-1.875E+01	-5.736E+01	-1.707E-11	6.784E-11	-8.851E+01
RESULTANT	9.136E+01	4.180E+01	7.408E+01	2.486E-11	9.902E-11	1.966E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁵	⁵	⁹	⁹	⁴⁰
MAXIMUM	4.462E+01	-9.874E+00	-1.398E+01	-9.313E-11	6.204E-11	-1.567E+02
RESULTANT	5.014E+01	1.243E+01	1.613E+01	1.345E-10	8.961E-11	3.703E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	⁵	⁷	⁵	⁹	⁹	⁴⁰
MAXIMUM	2.966E+01	-8.403E+00	-8.976E+00	-1.490E-11	2.250E-11	-5.226E+01
RESULTANT	4.202E+01	1.134E+01	2.369E+01	2.120E-11	3.218E-11	1.138E+02

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Figure 4-6. Loft level floor plan, -70-ft elevation.

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TABLE 4-20

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Z PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R 5	YY-S/R 39	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.361E+01	-1.014E+01	3.706E+01	-6.540E-12	-1.165E-11	2.389E+02
RESULTANT	2.780E+01	2.468E+01	4.692E+01	6.925E-12	1.232E-11	2.729E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R 5	YY-S/R 5	XY-S/R 7	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	2.799E+01	1.504E+01	-6.149E+00	0.	0.	8.883E+01
RESULTANT	3.306E+01	3.162E+01	1.346E+01	0.	0.	1.150E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.066E+01	1.829E+01	-3.683E+01	-9.326E-13	9.697E-13	-1.793E+02
RESULTANT	2.134E+01	3.362E+01	4.027E+01	1.699E-12	1.117E-12	2.065E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	5.187E+01	2.469E+01	-7.869E+00	-6.502E-12	-6.502E-12	-1.297E+02
RESULTANT	5.387E+01	4.435E+01	1.816E+01	7.831E-12	7.831E-12	1.428E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 25
MAXIMUM	3.194E+01	2.572E+01	1.865E+01	-3.523E-12	-3.523E-12	5.361E+01
RESULTANT	3.346E+01	4.296E+01	3.063E+01	4.192E-12	4.192E-12	9.256E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 40
MAXIMUM	2.245E+01	2.323E+01	-2.227E+01	-2.872E-11	-2.872E-11	2.185E+01
RESULTANT	2.420E+01	3.391E+01	3.769E+01	3.309E-11	3.309E-11	5.059E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	3.733E+01	2.396E+01	-6.508E+01	-1.130E-11	-2.040E-11	-1.717E+02
RESULTANT	3.948E+01	3.433E+01	7.584E+01	1.321E-11	2.451E-11	2.066E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R 5	YY-S/R 5	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	4.103E+01	2.035E+01	-3.032E+01	4.077E-12	4.870E-12	1.959E+02
RESULTANT	4.268E+01	2.967E+01	5.965E+01	4.449E-12	5.499E-12	2.333E+02

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TABLE 4-20

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	1.260E+02	2.205E+01	2.339E+01	0.	0.	2.148E+02
RESULTANT	1.317E+02	3.564E+01	4.724E+01	0.	0.	2.365E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ³⁹	XX-M/R ²	YY-M/R ²	XY-M/R ²
MAXIMUM	9.143E+01	4.624E+01	-1.432E+01	2.516E-11	3.773E-11	-2.609E+03
RESULTANT	9.688E+01	6.266E+01	3.463E+01	2.727E-11	4.091E-11	2.757E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁸	YY-M/R ²	XY-M/R ²
MAXIMUM	3.390E+01	3.534E+01	1.808E+01	5.844E-12	-5.017E-11	5.440E+03
RESULTANT	3.887E+01	4.945E+01	3.529E+01	6.897E-12	5.373E-11	5.752E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁸	YY-M/R ⁸	XY-M/R ⁸
MAXIMUM	5.569E+01	3.558E+01	-7.154E+01	3.486E-10	3.486E-10	-1.995E+04
RESULTANT	6.032E+01	5.086E+01	8.492E+01	4.468E-10	4.468E-10	2.700E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁸	YY-M/R ³⁶	XY-M/R ⁸
MAXIMUM	3.644E+01	1.752E+01	3.131E+01	5.252E-11	-3.920E-12	8.707E+03
RESULTANT	4.042E+01	2.538E+01	5.095E+01	7.146E-11	5.679E-12	1.185E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R ⁵	YY-S/R ⁵⁸	XY-S/R ⁵	XX-M/R ¹	YY-M/R ⁰	XY-M/R ¹
MAXIMUM	3.395E+01	2.027E+01	-3.645E+01	1.663E-11	0.	-4.274E+03
RESULTANT	3.569E+01	3.593E+01	5.570E+01	1.672E-11	0.	4.276E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ¹	YY-M/R ⁵	XY-M/R ¹
MAXIMUM	5.380E+01	2.544E+01	2.663E+01	-3.315E-11	-1.508E-12	6.186E+03
RESULTANT	5.709E+01	3.731E+01	4.492E+01	3.319E-11	2.035E-12	6.187E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ²	YY-M/R ²	XY-M/R ²
MAXIMUM	3.333E+01	5.304E+01	-4.320E+01	9.894E-11	9.894E-11	-1.870E+03
RESULTANT	3.704E+01	7.396E+01	6.533E+01	1.001E-10	1.001E-10	2.249E+03

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TABLE 4-20

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ²	YY-M/R ²	XY-M/R ²
MAXIMUM	1.652E+01	3.696E+01	3.957E+01	1.831E-10	1.326E-10	3.905E+03
RESULTANT	2.554E+01	5.397E+01	4.654E+01	1.877E-10	1.345E-10	4.716E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ¹⁷	YY-M/R ¹⁷	XY-M/R ¹⁷
MAXIMUM	2.080E+01	2.609E+01	-7.735E+01	-7.437E-12	-7.437E-12	1.621E+03
RESULTANT	2.888E+01	4.045E+01	8.921E+01	9.120E-12	9.120E-12	1.988E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁸	YY-M/R ⁰	XY-M/R ¹⁷
MAXIMUM	2.151E+01	2.072E+01	2.306E+01	-5.617E-11	0.	-7.038E+02
RESULTANT	2.690E+01	3.256E+01	4.401E+01	7.282E-11	0.	8.845E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R ⁵	YY-S/R ⁵⁸	XY-S/R ⁹	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	6.662E+00	2.112E+01	-3.258E+01	-1.636E-12	-1.636E-12	3.776E+01
RESULTANT	1.492E+01	3.594E+01	6.412E+01	2.456E-12	2.456E-12	4.768E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R ⁵	YY-S/R ⁵⁸	XY-S/R ⁹	XX-M/R ¹	YY-M/R ⁹	XY-M/R ¹
MAXIMUM	5.632E+01	1.380E+01	-2.795E+01	1.658E-11	-2.701E-13	2.498E+03
RESULTANT	5.910E+01	3.010E+01	4.883E+01	1.660E-11	4.892E-13	2.500E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ¹	YY-M/R ¹	XY-M/R ¹
MAXIMUM	4.746E+01	2.665E+01	1.927E+01	-3.319E-11	-3.319E-11	-3.611E+03
RESULTANT	5.222E+01	3.941E+01	3.766E+01	3.329E-11	3.329E-11	3.616E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R ⁷	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ²	YY-M/R ²	XY-M/R ²
MAXIMUM	-5.323E+00	4.172E+01	-4.050E+01	-1.922E-11	-4.929E-11	1.489E+03
RESULTANT	1.169E+01	6.535E+01	5.405E+01	2.214E-11	5.133E-11	1.836E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ²	YY-M/R ²	XY-M/R ²
MAXIMUM	-7.529E+00	2.943E+01	3.175E+01	1.209E-10	6.046E-11	-3.104E+03
RESULTANT	1.722E+01	4.846E+01	3.970E+01	1.218E-10	6.092E-11	3.827E+03

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TABLE 4-20

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁸	YY-M/R ⁸	XY-M/R ⁸
MAXIMUM	-1.763E+01	2.103E+01	-7.649E+01	-3.225E-10	-2.730E-10	7.909E+03
RESULTANT	2.544E+01	3.757E+01	8.653E+01	4.177E-10	3.559E-10	1.094E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁸
MAXIMUM	7.983E+00	1.977E+01	1.661E+01	0.	0.	-3.520E+03
RESULTANT	1.564E+01	3.428E+01	3.076E+01	0.	0.	4.840E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ²¹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ²¹
MAXIMUM	9.067E+01	8.636E+00	9.387E+00	-2.315E-12	-3.188E-12	6.408E+01
RESULTANT	9.698E+01	1.679E+01	1.884E+01	2.992E-12	3.978E-12	8.092E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	5.224E+01	2.774E+01	3.836E+01	0.	0.	1.749E+02
RESULTANT	6.719E+01	5.216E+01	6.127E+01	0.	0.	2.336E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

	XX-S/R ⁵	YY-S/R ³⁶	XY-S/R ⁵	XX-M/R ²	YY-M/R ²	XY-M/R ²
MAXIMUM	-1.862E+01	-2.742E+01	-2.677E+01	1.932E-11	2.897E-11	2.000E+03
RESULTANT	2.265E+01	5.630E+01	4.544E+01	2.244E-11	3.365E-11	2.317E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

	XX-S/R ⁵	YY-S/R ³⁶	XY-S/R ⁷	XX-M/R ²	YY-M/R ⁸	XY-M/R ²
MAXIMUM	-2.860E+01	-2.950E+01	1.326E+01	3.848E-11	-3.556E-12	-4.173E+03
RESULTANT	3.314E+01	5.402E+01	2.830E+01	4.435E-11	5.941E-12	4.815E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

	XX-S/R ⁵	YY-S/R ³⁶	XY-S/R ⁵	XX-M/R ⁸	YY-M/R ⁸	XY-M/R ⁸
MAXIMUM	-8.059E+01	-2.250E+01	-8.412E+01	1.519E-10	1.519E-10	8.085E+03
RESULTANT	8.742E+01	4.080E+01	9.599E+01	1.836E-10	1.836E-10	1.082E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

	XX-S/R ⁵	YY-S/R ³⁶	XY-S/R ⁷	XX-M/R ⁸	YY-M/R ⁸	XY-M/R ⁸
MAXIMUM	-4.096E+01	-1.314E+01	2.005E+01	-2.143E-11	-2.410E-11	-3.553E+03
RESULTANT	4.611E+01	2.761E+01	3.421E+01	2.861E-11	2.960E-11	4.743E+03

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TABLE 4-20

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Z PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

	XX-S/R 40	YY-S/R 9	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 7
MAXIMUM	-3.053E+00	-3.051E+01	1.834E+01	1.923E-11	1.923E-11	1.131E+02
RESULTANT	6.608E+00	5.218E+01	2.647E+01	2.326E-11	2.326E-11	1.903E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

	XX-S/R 5	YY-S/R 9	XY-S/R 9	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.366E+01	-3.591E+01	1.758E+01	3.351E-12	7.437E-12	1.224E+02
RESULTANT	3.874E+01	5.188E+01	3.451E+01	3.734E-12	8.074E-12	1.534E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-2.793E+01	1.928E+01	2.471E+01	0.	0.	-6.620E+01
RESULTANT	4.004E+01	3.511E+01	3.020E+01	0.	0.	9.539E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

	XX-S/R 5	YY-S/R 7	XY-S/R 7	XX-M/R 5	YY-M/R 21	XY-M/R 21
MAXIMUM	-3.879E+01	-1.836E+01	-2.272E+01	1.922E-12	2.646E-13	-4.891E+01
RESULTANT	3.986E+01	2.341E+01	2.665E+01	2.046E-12	3.241E-13	5.991E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 21
MAXIMUM	-3.898E+01	-3.065E+01	-6.710E+01	6.588E-12	6.588E-12	5.112E+01
RESULTANT	4.002E+01	5.310E+01	7.741E+01	7.363E-12	7.363E-12	8.697E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

	XX-S/R 5	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-3.724E+00	-2.457E+01	2.309E+01	3.991E-12	3.991E-12	-1.414E+02
RESULTANT	6.789E+00	4.248E+01	3.645E+01	4.450E-12	4.450E-12	1.682E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-2.520E+01	-2.207E+01	-2.785E+01	3.633E-11	3.633E-11	-1.599E+02
RESULTANT	2.728E+01	4.192E+01	4.690E+01	4.082E-11	4.082E-11	2.469E+02

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TABLE 4-21ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Y PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

	XX-S/R ⁵	YY-S/R ³⁹	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.282E+01	-4.488E+00	-1.060E+01	0.	0.	-3.876E+01
RESULTANT	1.633E+01	9.097E+00	1.507E+01	0.	0.	1.054E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

	XX-S/R ⁵	YY-S/R ³⁹	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.445E+01	-8.650E+00	-1.732E+01	0.	6.634E-11	-1.481E+02
RESULTANT	1.744E+01	1.849E+01	2.814E+01	0.	6.926E-11	1.935E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-9.746E+00	-1.343E+01	-1.673E+01	-6.841E-11	0.	-1.357E+02
RESULTANT	1.247E+01	2.840E+01	2.860E+01	7.010E-11	0.	2.190E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

	XX-S/R ⁵	YY-S/R ³⁹	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.609E+01	-1.424E+01	-2.429E+01	0.	0.	-1.401E+02
RESULTANT	1.805E+01	3.526E+01	4.037E+01	0.	0.	2.582E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-2.944E+01	3.972E+01	2.827E+01	-1.280E-10	-8.600E-11	-1.953E+02
RESULTANT	3.133E+01	6.070E+01	4.382E+01	1.284E-10	8.630E-11	2.346E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.788E+01	4.325E+01	-2.095E+01	0.	0.	-3.049E+02
RESULTANT	1.976E+01	6.082E+01	3.088E+01	0.	0.	3.559E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.265E+01	3.353E+01	2.167E+01	0.	0.	5.826E+02
RESULTANT	1.552E+01	5.055E+01	3.431E+01	0.	0.	6.527E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-2.525E+01	1.762E+01	-1.462E+01	1.838E-10	1.838E-10	5.390E+02
RESULTANT	2.848E+01	3.242E+01	2.420E+01	1.870E-10	1.870E-10	5.810E+02

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TABLE 4-21

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-2.807E+01	9.217E+00	-2.463E+01	-2.738E-10	-1.825E-10	4.750E+02
RESULTANT	3.126E+01	1.736E+01	2.673E+01	2.812E-10	1.874E-10	5.325E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ¹⁹
MAXIMUM	-7.201E+00	1.541E+01	-1.575E+01	0.	-5.702E-11	-2.132E+03
RESULTANT	1.515E+01	2.292E+01	3.109E+01	0.	6.652E-11	4.311E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)						
	XX-S/R ³⁹	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ¹⁹
MAXIMUM	6.733E+00	4.069E+01	-2.202E+01	1.402E-10	1.402E-10	1.941E+03
RESULTANT	1.531E+01	6.150E+01	3.934E+01	1.605E-10	1.605E-10	4.119E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)						
	XX-S/R ³⁹	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	5.765E+00	3.502E+01	-1.786E+01	0.	0.	-8.153E+01
RESULTANT	1.541E+01	6.069E+01	3.161E+01	0.	0.	1.419E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)						
	XX-S/R ⁵⁴	YY-S/R ⁴	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	4.261E+00	-1.849E+01	5.526E+01	0.	6.565E-11	-2.234E+02
RESULTANT	1.366E+01	4.884E+01	6.637E+01	0.	6.849E-11	2.500E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)						
	XX-S/R ⁵	YY-S/R ³⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-2.100E+01	-1.832E+01	4.851E+01	-6.531E-11	0.	3.580E+02
RESULTANT	2.405E+01	4.493E+01	6.057E+01	6.686E-11	0.	4.941E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)						
	XX-S/R ⁵	YY-S/R ³⁶	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-1.149E+01	-1.731E+01	-3.920E+01	0.	0.	-3.770E+02
RESULTANT	1.795E+01	3.786E+01	5.910E+01	0.	0.	4.522E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)						
	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.536E+01	3.372E+01	-2.968E+01	-1.282E-10	-8.635E-11	-2.535E+02
RESULTANT	3.705E+01	5.698E+01	4.027E+01	1.286E-10	8.666E-11	2.967E+02

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TABLE 4-21

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	1.720E+01	2.742E+01	-3.001E+01	0.	0.	-2.009E+02
RESULTANT	3.220E+01	5.480E+01	4.744E+01	0.	0.	2.686E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	3.362E+01	3.324E+01	-2.589E+01	0.	0.	4.069E+02
RESULTANT	4.721E+01	5.007E+01	3.137E+01	0.	0.	4.841E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R ⁵	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	3.544E+01	3.317E+01	-3.146E+01	1.839E-10	1.839E-10	6.836E+02
RESULTANT	4.871E+01	4.560E+01	4.657E+01	1.871E-10	1.871E-10	7.310E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R ³⁶	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	1.185E+01	1.167E+01	3.212E+01	-2.724E-10	-1.816E-10	5.873E+02
RESULTANT	2.012E+01	1.764E+01	3.592E+01	2.798E-10	1.865E-10	6.434E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R ⁹	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁴³
MAXIMUM	9.673E+00	-2.408E+01	2.968E+01	-1.127E-10	-1.687E-10	1.326E+03
RESULTANT	1.899E+01	3.110E+01	4.645E+01	1.328E-10	1.977E-10	1.896E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R ⁴⁰	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁴³
MAXIMUM	9.936E+00	-5.523E+01	3.068E+01	1.264E-10	1.264E-10	-1.484E+03
RESULTANT	1.794E+01	7.452E+01	4.989E+01	1.403E-10	1.403E-10	2.163E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R ⁴⁰	YY-S/R ⁵	XY-S/R ⁹	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	8.885E+00	-4.478E+01	-3.411E+01	0.	0.	-1.751E+02
RESULTANT	1.599E+01	7.738E+01	5.839E+01	0.	0.	2.378E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R ⁴⁰	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	8.887E+00	-4.227E+01	-3.459E+01	0.	6.511E-11	8.145E+01
RESULTANT	1.975E+01	6.753E+01	5.554E+01	0.	6.766E-11	1.781E+02

Los Alamos Technical Associates, Inc.

TABLE 4-21

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Y PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	9	9	9	5	0	7
MAXIMUM	1.259E+01	-1.399E+01	-4.094E+01	-6.347E-11	0.	4.050E+02
RESULTANT	1.973E+01	2.790E+01	5.624E+01	6.475E-11	0.	5.795E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	36	9	0	0	5
MAXIMUM	9.384E+00	-1.253E+01	-3.379E+01	0.	0.	-9.836E+02
RESULTANT	1.807E+01	2.254E+01	5.604E+01	0.	0.	1.094E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	55	36	9	5	5	25
MAXIMUM	-7.044E+00	-3.129E+01	-3.894E+01	-1.269E-10	-8.507E-11	-2.187E+02
RESULTANT	1.516E+01	6.378E+01	5.535E+01	1.277E-10	8.570E-11	3.049E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	9	5	9	0	0	40
MAXIMUM	-1.704E+01	-3.450E+01	-2.788E+01	0.	0.	1.397E+02
RESULTANT	4.232E+01	5.824E+01	4.024E+01	0.	0.	3.101E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	5	9	5	5	5
MAXIMUM	-5.628E+01	-6.142E+01	-1.157E+01	1.867E-10	1.867E-10	6.311E+02
RESULTANT	7.567E+01	7.406E+01	2.242E+01	1.899E-10	1.899E-10	6.985E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	36	5	5	5	5	5
MAXIMUM	1.222E+01	-3.774E+01	-4.459E+01	-2.717E-10	-1.811E-10	6.875E+02
RESULTANT	1.542E+01	4.146E+01	5.046E+01	2.790E-10	1.860E-10	7.557E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	7	9	5	0	5	7
MAXIMUM	-1.198E+01	-2.096E+01	-1.851E+01	0.	6.546E-11	1.372E+02
RESULTANT	1.728E+01	3.755E+01	3.433E+01	0.	6.822E-11	2.417E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)						
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
	5	9	5	5	0	7
MAXIMUM	1.913E+01	-3.094E+01	-4.437E+01	-6.470E-11	0.	2.964E+02
RESULTANT	2.367E+01	6.376E+01	6.048E+01	6.616E-11	0.	4.249E+02

Los Alamos Technical Associates, Inc.

TABLE 4-21

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
Y PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (33)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R	
	⁵	³⁶	⁷	⁰	⁰	⁵	
MAXIMUM	1.402E+01	-1.907E+01	2.643E+01	0.	0.	-8.979E+02	
RESULTANT	1.864E+01	3.790E+01	3.992E+01	0.	0.	1.024E+03	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (34)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R	
	⁴⁰	⁵	⁷	⁵	⁵	⁵	
MAXIMUM	-4.992E+00	-5.390E+01	1.827E+01	-1.285E-10	-8.652E-11	-2.445E+02	
RESULTANT	1.017E+01	7.074E+01	2.420E+01	1.293E-10	8.714E-11	3.524E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (35)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R	
	⁵	⁵	⁷	⁰	⁰	⁵	
MAXIMUM	6.872E+00	-6.853E+01	1.394E+01	0.	0.	1.563E+02	
RESULTANT	1.022E+01	7.932E+01	2.240E+01	0.	0.	3.248E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (36)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R	
	⁵	⁵	⁵	⁰	⁰	⁵	
MAXIMUM	3.043E+01	-3.493E+01	-2.560E+01	0.	0.	7.744E+02	
RESULTANT	3.451E+01	4.191E+01	3.046E+01	0.	0.	8.842E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (37)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R	
	⁵	⁵	²⁵	⁵	⁵	⁵	
MAXIMUM	5.707E+01	-6.847E+00	6.342E+00	1.872E-10	1.872E-10	4.877E+02	
RESULTANT	6.425E+01	1.267E+01	1.219E+01	1.904E-10	1.904E-10	5.688E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (38)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R	
	⁵	⁷	⁷	⁰	⁰	⁵	
MAXIMUM	2.531E+01	-6.511E+00	1.467E+01	0.	0.	-7.556E+01	
RESULTANT	3.223E+01	9.380E+00	2.041E+01	0.	0.	1.194E+02	

ELEMENT TYPE (P L A T E / S H E L L)		ELEMENT NUMBER (39)					
	XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R	
	⁵	⁷	⁹	⁰	⁵	⁷	
MAXIMUM	2.772E+01	-3.792E+00	9.006E+00	0.	3.283E-11	8.115E+01	
RESULTANT	3.504E+01	5.935E+00	1.708E+01	0.	3.421E-11	1.562E+02	

Los Alamos Technical Associates, Inc.

TABLE 4-22

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
X PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)					
	XX-S/R ₅	YY-S/R ₇	XY-S/R ₇	XX-M/R ₉	YY-M/R ₉ XY-M/R ₄₀
MAXIMUM	-1.042E+01	-8.305E+00	-1.397E+01	3.142E-11	1.039E-11 -4.010E+01
RESULTANT	1.528E+01	1.353E+01	2.482E+01	4.100E-11	1.346E-11 9.198E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)					
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉ XY-M/R ₅
MAXIMUM	-1.227E+01	-9.984E+00	-3.821E+01	3.147E-11	1.026E-11 -8.305E+01
RESULTANT	1.609E+01	1.218E+01	4.710E+01	4.057E-11	1.345E-11 1.115E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)					
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉ XY-M/R ₅
MAXIMUM	-9.951E+00	-8.677E+00	-1.274E+02	1.338E-12	2.676E-12 7.844E+00
RESULTANT	1.574E+01	1.265E+01	1.377E+02	1.658E-12	3.317E-12 1.138E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)					
	XX-S/R ₄₀	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉ XY-M/R ₉
MAXIMUM	6.527E+00	4.485E+00	-1.261E+02	1.117E-11	2.234E-11 -4.068E+01
RESULTANT	1.378E+01	9.325E+00	1.360E+02	1.362E-11	2.724E-11 5.740E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)					
	XX-S/R ₅	YY-S/R ₃₆	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉ XY-M/R ₅
MAXIMUM	1.849E+01	4.069E+00	-1.427E+02	1.563E-12	3.126E-12 6.529E+00
RESULTANT	2.918E+01	8.277E+00	1.543E+02	1.858E-12	3.715E-12 9.164E+00
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)					
	XX-S/R ₉	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉ XY-M/R ₃₆
MAXIMUM	-1.247E+01	-4.125E+00	-7.073E+01	1.283E-11	2.567E-11 2.850E+01
RESULTANT	2.238E+01	7.161E+00	7.876E+01	1.526E-11	3.053E-11 5.903E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)					
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₉	YY-M/R ₉ XY-M/R ₅
MAXIMUM	-2.101E+01	2.441E+01	-2.041E+01	3.916E-11	1.348E-11 -8.152E+01
RESULTANT	2.551E+01	2.618E+01	2.392E+01	4.654E-11	1.613E-11 1.586E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)					
	XX-S/R ₅	YY-S/R ₅	XY-S/R ₅	XX-M/R ₄	YY-M/R ₉ XY-M/R ₄
MAXIMUM	-8.745E+00	6.817E+00	-2.863E+01	-3.514E-11	-1.049E-11 4.314E+03
RESULTANT	1.571E+01	1.239E+01	4.688E+01	4.522E-11	1.394E-11 4.571E+03

Los Alamos Technical Associates, Inc.

TABLE 4-22

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 9
MAXIMUM	-1.370E+01	4.488E+01	-1.387E+02	-4.029E-11	-2.105E-11	-3.803E+02
RESULTANT	1.723E+01	4.954E+01	1.475E+02	4.911E-11	2.572E-11	6.279E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R 36	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 5
MAXIMUM	1.050E+01	3.775E+01	-8.515E+01	0.	2.577E-11	1.805E+02
RESULTANT	1.242E+01	4.288E+01	9.092E+01	0.	3.034E-11	2.576E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R 40	YY-S/R 4	XY-S/R 5	XX-M/R 0	YY-M/R 4	XY-M/R 4
MAXIMUM	5.733E+00	-1.443E+01	-4.408E+01	0.	-4.457E-11	2.179E+03
RESULTANT	1.082E+01	2.582E+01	6.071E+01	0.	4.674E-11	2.631E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R 47	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 58
MAXIMUM	-3.172E+00	2.792E+01	-1.225E+02	0.	-4.013E-11	-2.969E+02
RESULTANT	6.670E+00	3.373E+01	1.317E+02	0.	4.804E-11	5.537E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 9
MAXIMUM	7.873E+00	-6.778E+00	-3.732E+01	0.	3.419E-11	3.724E+02
RESULTANT	1.574E+01	1.088E+01	4.508E+01	0.	4.959E-11	5.454E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R 36	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 5
MAXIMUM	9.782E+00	2.474E+01	-7.661E+01	0.	-2.491E-11	1.487E+02
RESULTANT	1.230E+01	3.815E+01	8.053E+01	0.	2.958E-11	1.933E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R 9	YY-S/R 4	XY-S/R 5	XX-M/R 4	YY-M/R 0	XY-M/R 6
MAXIMUM	5.961E+00	-1.157E+01	-5.241E+01	2.514E-11	0.	2.191E+03
RESULTANT	1.161E+01	2.200E+01	6.386E+01	3.498E-11	0.	3.211E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R 21	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 58
MAXIMUM	-9.782E+00	1.704E+01	-1.227E+02	-1.871E-11	-3.647E-11	3.057E+02
RESULTANT	1.534E+01	2.390E+01	1.308E+02	2.247E-11	4.366E-11	4.842E+02

TABLE 4-22

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
X PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 9
MAXIMUM	1.413E+01	-8.350E+00	-3.580E+01	0.	1.674E-11	1.826E+02
RESULTANT	1.830E+01	1.319E+01	4.153E+01	0.	2.429E-11	3.019E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R 36	YY-S/R 36	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 5
MAXIMUM	1.188E+01	2.034E+01	-7.513E+01	-1.155E-11	-2.273E-11	2.288E+02
RESULTANT	1.484E+01	3.026E+01	7.849E+01	1.432E-11	2.798E-11	2.648E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R 9	YY-S/R 9	XY-S/R 5	XX-M/R 4	YY-M/R 4	XY-M/R 4
MAXIMUM	1.040E+01	-7.391E+00	-4.070E+01	-2.606E-11	-2.296E-11	-3.219E+03
RESULTANT	1.850E+01	1.177E+01	4.823E+01	4.224E-11	3.428E-11	4.786E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R 21	YY-S/R 48	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 9
MAXIMUM	-2.752E+00	-5.301E+00	-1.494E+02	0.	3.301E-11	3.715E+02
RESULTANT	5.379E+00	1.273E+01	1.617E+02	0.	4.091E-11	6.913E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R 5	YY-S/R 36	XY-S/R 5	XX-M/R 0	YY-M/R 9	XY-M/R 5
MAXIMUM	1.667E+01	8.648E+00	-6.324E+01	0.	1.957E-11	3.999E+02
RESULTANT	2.384E+01	1.347E+01	6.746E+01	0.	2.615E-11	4.598E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R 5	YY-S/R 7	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 39
MAXIMUM	1.343E+01	1.296E+01	-4.386E+01	2.567E-11	8.446E-12	6.976E+01
RESULTANT	1.946E+01	2.256E+01	6.041E+01	3.458E-11	1.138E-11	1.421E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 5	XY-M/R 5
MAXIMUM	2.291E+01	-1.525E+01	-8.897E+01	1.511E-11	-1.465E-12	-2.430E+02
RESULTANT	2.493E+01	1.857E+01	1.021E+02	1.991E-11	2.463E-12	4.085E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 9	YY-M/R 9	XY-M/R 36
MAXIMUM	-1.520E+01	-4.298E+00	-1.084E+02	8.407E-12	1.681E-11	-7.606E+01
RESULTANT	3.280E+01	8.777E+00	1.178E+02	1.208E-11	2.415E-11	1.447E+02

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TABLE 4-22

ELEMENT STRESSES, FLOOR PLAN, 70-FT ELEVATION,
X PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ⁵
MAXIMUM	2.430E+01	-8.591E+00	-6.437E+01	2.500E-11	8.978E-12	-1.404E+02
RESULTANT	3.029E+01	1.342E+01	7.071E+01	3.625E-11	1.290E-11	2.638E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁹	XY-M/R ⁹
MAXIMUM	1.953E+01	-3.355E+00	-2.775E+01	0.	3.497E-11	3.882E+02
RESULTANT	2.524E+01	8.183E+00	4.178E+01	0.	5.087E-11	5.518E+02

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Figure 4-7. Roof level floor plan, 94-ft elevation.

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TABLE 4-23

ELEMENT STRESSES, ROOF PLAN, 94-FT ELEVATION,
Z PREFIX

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)						
	XX-S/R 48	YY-S/R 5	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-9.667E+00	2.831E+01	2.190E+01	-1.548E-12	-1.548E-12	5.873E+00
RESULTANT	1.954E+01	4.529E+01	4.382E+01	1.704E-12	1.704E-12	8.036E+00

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)						
	XX-S/R 48	YY-S/R 36	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-4.750E+00	-1.597E+01	3.033E+01	2.821E-12	6.598E-13	3.029E+01
RESULTANT	7.794E+00	4.084E+01	4.852E+01	3.002E-12	7.034E-13	3.533E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)						
	XX-S/R 5	YY-S/R 39	XY-S/R 7	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	6.420E+01	-1.633E+01	4.118E+01	4.592E-12	4.592E-12	2.489E+01
RESULTANT	6.972E+01	4.108E+01	7.137E+01	4.810E-12	4.810E-12	2.876E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)						
	XX-S/R 5	YY-S/R 36	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	3.928E+01	-1.989E+01	-1.102E+02	-2.314E-13	6.354E-13	-3.190E+01
RESULTANT	4.368E+01	4.217E+01	1.242E+02	2.709E-13	6.801E-13	3.578E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 0	XY-M/R 5
MAXIMUM	-4.405E+01	5.079E+01	-6.986E+01	-3.510E-13	0.	-2.002E+01
RESULTANT	4.841E+01	7.434E+01	8.693E+01	4.731E-13	0.	2.194E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-3.138E+01	5.088E+01	-4.844E+01	-4.546E-13	-4.546E-13	1.063E+01
RESULTANT	3.506E+01	7.389E+01	8.235E+01	5.563E-13	5.563E-13	1.623E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-3.181E+01	3.753E+01	8.158E+01	-1.162E-12	-1.162E-12	-1.993E+01
RESULTANT	3.507E+01	6.591E+01	1.020E+02	1.396E-12	1.396E-12	2.294E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)						
	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 36
MAXIMUM	-3.835E+01	3.058E+01	6.521E+01	-2.654E-12	-3.990E-12	-3.802E+00
RESULTANT	4.240E+01	5.096E+01	8.007E+01	3.251E-12	4.880E-12	6.216E+00

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TABLE 4-23

ELEMENT STRESSES, ROOF PLAN, 94-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

	XX-S/R ⁹	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	7.102E+00	1.530E+01	7.986E+01	0.	7.123E-13	2.624E+01
RESULTANT	9.190E+00	2.409E+01	8.898E+01	0.	9.689E-13	2.960E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁹
MAXIMUM	3.934E+01	-4.842E+01	-4.472E+01	9.611E-13	5.181E-13	2.695E+01
RESULTANT	5.765E+01	5.769E+01	8.019E+01	1.287E-12	7.439E-13	4.670E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	7.776E+01	4.897E+01	4.493E+01	-5.519E-13	0.	2.282E+01
RESULTANT	1.175E+02	8.227E+01	9.086E+01	7.410E-13	0.	3.072E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

	XX-S/R ⁴⁸	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁹
MAXIMUM	-6.678E+01	4.607E+01	3.586E+01	0.	0.	-8.487E+00
RESULTANT	1.195E+02	7.619E+01	6.544E+01	0.	0.	1.372E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	6.237E+01	-2.601E+01	3.694E+01	8.141E-13	0.	-2.127E+01
RESULTANT	8.946E+01	5.604E+01	6.712E+01	9.476E-13	0.	2.718E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

	XX-S/R ⁵	YY-S/R ⁴	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	7.943E+01	-1.944E+01	7.079E+01	0.	0.	3.717E+01
RESULTANT	9.070E+01	4.669E+01	1.068E+02	0.	0.	4.677E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

	XX-S/R ⁵	YY-S/R ³⁶	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	4.800E+01	-2.322E+01	-1.293E+02	1.635E-13	5.099E-13	1.659E+01
RESULTANT	6.018E+01	4.555E+01	1.445E+02	1.732E-13	6.081E-13	2.691E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

	XX-S/R ⁵⁴	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁴⁰	YY-M/R ⁴⁰	XY-M/R ⁵
MAXIMUM	-3.405E+01	4.811E+01	-7.253E+01	-2.271E-13	-2.271E-13	1.952E+01
RESULTANT	6.004E+01	7.052E+01	9.261E+01	4.608E-13	4.608E-13	2.263E+01

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TABLE 4-23

ELEMENT STRESSES, ROOF PLAN, 94-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

	XX-S/R 54	YY-S/R 5	XY-S/R 5	XX-M/R 40	YY-M/R 5	XY-M/R 5
MAXIMUM	-3.210E+01	3.642E+01	-4.072E+01	-1.717E-13	-6.507E-14	-1.406E+01
RESULTANT	6.322E+01	6.242E+01	7.574E+01	3.604E-13	1.377E-13	2.100E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 36
MAXIMUM	4.162E+01	2.976E+01	6.617E+01	0.	0.	1.339E+01
RESULTANT	7.682E+01	5.313E+01	8.533E+01	0.	0.	1.921E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

	XX-S/R 36	YY-S/R 5	XY-S/R 5	XX-M/R 36	YY-M/R 36	XY-M/R 36
MAXIMUM	1.814E+01	3.216E+01	7.830E+01	1.119E-12	1.119E-12	1.607E+01
RESULTANT	6.180E+01	5.129E+01	9.054E+01	2.153E-12	2.153E-12	2.490E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

	XX-S/R 5	YY-S/R 9	XY-S/R 5	XX-M/R 36	YY-M/R 36	XY-M/R 36
MAXIMUM	3.153E+01	1.870E+01	8.661E+01	-5.160E-13	-5.160E-13	-4.022E+01
RESULTANT	5.098E+01	3.299E+01	9.381E+01	7.559E-13	7.559E-13	6.523E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

	XX-S/R 5	YY-S/R 4	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	2.392E+01	-1.020E+02	-5.866E+01	4.842E-13	4.842E-13	3.352E+01
RESULTANT	4.350E+01	1.109E+02	9.493E+01	7.572E-13	7.572E-13	3.694E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

	XX-S/R 48	YY-S/R 4	XY-S/R 12	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-4.428E+01	-6.653E+01	-3.202E+01	0.	0.	0.
RESULTANT	7.660E+01	7.470E+01	6.969E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

	XX-S/R 48	YY-S/R 4	XY-S/R 7	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-5.594E+01	-4.447E+01	3.999E+01	0.	0.	0.
RESULTANT	8.698E+01	5.634E+01	6.283E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

	XX-S/R 48	YY-S/R 4	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-4.076E+01	-3.163E+01	4.976E+01	0.	0.	0.
RESULTANT	6.960E+01	4.614E+01	8.434E+01	0.	0.	0.

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TABLE 4-23

ELEMENT STRESSES, ROOF PLAN, 94-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

	XX-S/R 5	YY-S/R 4	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	4.055E+01	-2.268E+01	7.724E+01	2.132E-12	1.552E-12	-3.453E+01
RESULTANT	5.326E+01	4.368E+01	1.112E+02	2.397E-12	1.739E-12	3.590E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

	XX-S/R 54	YY-S/R 36	XY-S/R 5	XX-M/R 5	YY-M/R 5	XY-M/R 5
MAXIMUM	-1.754E+01	-2.351E+01	-1.428E+02	-4.349E-13	-2.899E-13	1.329E+01
RESULTANT	3.533E+01	4.674E+01	1.571E+02	4.930E-13	3.287E-13	1.381E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

	XX-S/R 54	YY-S/R 36	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-3.396E+01	-2.879E+01	-8.650E+01	0.	0.	0.
RESULTANT	6.505E+01	4.900E+01	1.032E+02	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

	XX-S/R 54	YY-S/R 36	XY-S/R 40	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-3.244E+01	-2.971E+01	3.236E+01	0.	0.	0.
RESULTANT	6.329E+01	4.691E+01	6.650E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

	XX-S/R 54	YY-S/R 36	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-2.281E+01	-2.529E+01	5.402E+01	0.	0.	0.
RESULTANT	5.808E+01	4.391E+01	7.515E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

	XX-S/R 54	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	1.947E+01	2.453E+01	8.142E+01	0.	0.	0.
RESULTANT	5.254E+01	4.262E+01	9.353E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

	XX-S/R 36	YY-S/R 9	XY-S/R 5	XX-M/R 0	YY-M/R 36	XY-M/R 5
MAXIMUM	2.209E+01	2.638E+01	1.012E+02	0.	3.450E-13	-3.395E+01
RESULTANT	4.364E+01	4.170E+01	1.093E+02	0.	4.712E-13	3.608E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

	XX-S/R 9	YY-S/R 4	XY-S/R 5	XX-M/R 9	YY-M/R 0	XY-M/R 5
MAXIMUM	-1.914E+01	-8.186E+01	-5.919E+01	3.404E-13	0.	3.190E+01
RESULTANT	3.518E+01	9.408E+01	9.816E+01	6.081E-13	0.	3.503E+01

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TABLE 4-23

ELEMENT STRESSES, ROOF PLAN, 94-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)						
	XX-S/R 48	YY-S/R 4	XY-S/R 9	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-4.166E+01	-5.909E+01	-3.551E+01	0.	0.	0.
RESULTANT	6.066E+01	7.292E+01	7.597E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)						
	XX-S/R 48	YY-S/R 4	XY-S/R 7	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-5.432E+01	-4.110E+01	3.864E+01	0.	0.	0.
RESULTANT	7.619E+01	5.849E+01	6.338E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)						
	XX-S/R 48	YY-S/R 4	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-4.109E+01	-2.939E+01	5.666E+01	0.	0.	0.
RESULTANT	5.776E+01	4.673E+01	8.990E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)						
	XX-S/R 48	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 5
MAXIMUM	-2.094E+01	-2.512E+01	8.506E+01	0.	0.	-3.090E+01
RESULTANT	3.218E+01	4.449E+01	1.185E+02	0.	0.	3.242E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)						
	XX-S/R 5	YY-S/R 36	XY-S/R 5	XX-M/R 5	YY-M/R 9	XY-M/R 5
MAXIMUM	-2.388E+01	-2.180E+01	-1.554E+02	-3.181E-14	-3.200E-14	1.189E+01
RESULTANT	4.624E+01	4.588E+01	1.704E+02	4.472E-14	6.530E-14	1.247E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)						
	XX-S/R 5	YY-S/R 36	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-7.155E+01	-3.005E+01	-9.053E+01	0.	0.	0.
RESULTANT	1.057E+02	4.301E+01	1.053E+02	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)						
	XX-S/R 5	YY-S/R 36	XY-S/R 40	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-6.813E+01	-3.434E+01	3.225E+01	0.	0.	0.
RESULTANT	9.871E+01	5.273E+01	6.403E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)						
	XX-S/R 5	YY-S/R 5	XY-S/R 5	XX-M/R 0	YY-M/R 0	XY-M/R 0
MAXIMUM	-4.440E+01	-3.250E+01	5.105E+01	0.	0.	0.
RESULTANT	7.701E+01	5.888E+01	7.478E+01	0.	0.	0.

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TABLE 4-23

ELEMENT STRESSES, ROOF PLAN, 94-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁰
MAXIMUM	-3.195E+01	-2.909E+01	7.377E+01	0.	0.	0.
RESULTANT	6.601E+01	5.635E+01	8.649E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

	XX-S/R ³⁶	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	1.788E+01	2.472E+01	9.751E+01	0.	0.	-3.513E+01
RESULTANT	4.043E+01	4.471E+01	1.064E+02	0.	0.	3.674E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁴⁰
MAXIMUM	-3.223E+01	-3.691E+01	-5.023E+01	-6.495E-13	-3.492E-13	-2.359E+01
RESULTANT	5.082E+01	6.170E+01	8.486E+01	1.170E-12	5.360E-13	4.011E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁹	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-5.350E+01	-7.659E+01	5.108E+01	1.986E-13	0.	2.784E+01
RESULTANT	1.003E+02	1.071E+02	1.053E+02	3.843E-13	0.	3.937E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

	XX-S/R ⁴⁸	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-6.815E+01	-6.150E+01	2.480E+01	0.	0.	-1.114E+01
RESULTANT	1.215E+02	8.763E+01	5.550E+01	0.	0.	2.006E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ⁵
MAXIMUM	-4.422E+01	-3.334E+01	4.747E+01	-3.623E-13	0.	-1.311E+01
RESULTANT	8.409E+01	5.657E+01	8.540E+01	5.609E-13	0.	2.208E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ⁹
MAXIMUM	-3.268E+01	-2.217E+01	9.297E+01	0.	0.	1.498E+01
RESULTANT	5.202E+01	4.595E+01	1.295E+02	0.	0.	2.694E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ²¹	YY-M/R ⁵	XY-M/R ²¹
MAXIMUM	-6.938E+01	-2.542E+01	-1.665E+02	8.695E-14	-3.140E-13	1.267E+01
RESULTANT	8.925E+01	4.756E+01	1.849E+02	1.309E-13	4.290E-13	1.545E+01

TABLE 4-23

ELEMENT STRESSES, ROOF PLAN, 94-FT ELEVATION,
Z PREFIX
(continued)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ²¹	YY-M/R ²¹	XY-M/R ²¹
MAXIMUM	-1.319E+02	-3.720E+01	-8.574E+01	2.714E-13	2.714E-13	-5.198E+00
RESULTANT	1.748E+02	5.853E+01	1.012E+02	3.822E-13	3.822E-13	1.105E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁴⁰	XX-M/R ⁹	YY-M/R ⁹	XY-M/R ³⁶
MAXIMUM	-1.233E+02	-5.976E+01	3.351E+01	1.585E-13	6.453E-14	-1.154E+01
RESULTANT	1.535E+02	8.311E+01	6.688E+01	3.572E-13	1.417E-13	2.023E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁰	YY-M/R ⁰	XY-M/R ²⁵
MAXIMUM	-6.415E+01	-1.364E+02	6.165E+01	0.	0.	1.869E+01
RESULTANT	1.001E+02	1.733E+02	8.698E+01	0.	0.	4.748E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ³⁶	XX-M/R ³⁶	YY-M/R ³⁶	XY-M/R ⁵
MAXIMUM	-4.743E+01	-8.180E+01	-3.304E+01	1.581E-12	1.581E-12	-6.408E+01
RESULTANT	9.510E+01	9.528E+01	5.240E+01	2.757E-12	2.757E-12	7.975E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ³⁶
MAXIMUM	-3.905E+01	-4.671E+01	6.622E+01	-7.020E-13	-7.020E-13	3.789E+01
RESULTANT	6.109E+01	5.641E+01	7.774E+01	9.033E-13	9.033E-13	5.322E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

	XX-S/R ⁴⁸	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	-2.101E+01	-3.844E+01	-2.710E+01	8.342E-13	8.342E-13	2.239E+01
RESULTANT	4.228E+01	6.752E+01	4.082E+01	1.038E-12	1.038E-12	3.581E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

	XX-S/R ⁴⁸	YY-S/R ⁹	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.876E+01	-3.103E+01	3.313E+01	-1.858E-12	-4.745E-13	6.750E+00
RESULTANT	3.490E+01	4.948E+01	5.723E+01	2.080E-12	5.301E-13	8.696E+00

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.853E+01	-3.587E+01	8.254E+01	-3.243E-12	-3.243E-12	-4.905E+00
RESULTANT	3.211E+01	6.296E+01	1.177E+02	3.418E-12	3.418E-12	7.954E+00

TABLE 4-23

ELEMENT STRESSES, ROOF PLAN, 94-FT ELEVATION,
Z PREFIX
(concluded)

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)

	XX-S/R ⁵	YY-S/R ³⁶	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ²¹
MAXIMUM	-1.959E+01	-2.333E+01	-1.732E+02	2.512E-13	-5.130E-13	-9.332E+00
RESULTANT	2.614E+01	4.108E+01	1.898E+02	2.659E-13	5.480E-13	1.177E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (58)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁰	XY-M/R ²¹
MAXIMUM	-2.222E+01	-6.902E+01	-9.469E+01	4.398E-13	0.	5.548E+00
RESULTANT	3.273E+01	8.575E+01	1.067E+02	4.955E-13	0.	1.032E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (59)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁷	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	-1.347E+01	-8.337E+01	3.049E+01	5.388E-13	5.388E-13	-1.664E+01
RESULTANT	2.506E+01	1.008E+02	6.253E+01	6.200E-13	6.200E-13	2.078E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (60)

	XX-S/R ⁵	YY-S/R ¹¹	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	9.060E+00	-1.305E+02	1.140E+02	1.529E-12	1.529E-12	-5.031E+01
RESULTANT	1.390E+01	1.629E+02	1.307E+02	1.778E-12	1.778E-12	7.216E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (61)

	XX-S/R ⁵	YY-S/R ⁵	XY-S/R ⁵	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁵
MAXIMUM	2.354E+01	-4.973E+01	7.255E+01	3.978E-12	5.782E-12	1.921E+01
RESULTANT	2.697E+01	5.691E+01	9.215E+01	4.591E-12	6.703E-12	2.500E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (62)

	XX-S/R ⁴⁸	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	-5.365E+00	-1.963E+01	2.317E+01	1.435E-11	1.022E-11	-1.905E+01
RESULTANT	9.624E+00	3.198E+01	3.463E+01	1.546E-11	1.101E-11	2.681E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (63)

	XX-S/R ⁹	YY-S/R ⁹	XY-S/R ⁹	XX-M/R ⁵	YY-M/R ⁵	XY-M/R ⁷
MAXIMUM	-5.319E+00	-1.816E+01	3.481E+01	-1.391E-11	-7.907E-12	1.333E+01
RESULTANT	1.162E+01	2.750E+01	5.630E+01	1.476E-11	8.403E-12	2.461E+01

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Figure 4-8. Overturning and base shear forces N-S direction.

5.0 COMPARISON OF RESULTS

As a final step of this analysis, the LATA stress and displacement results are compared with those from a similar analysis conducted by NEC. The NEC analysis differs in many respects from the LATA efforts but offers sufficient data to provide a useful cross check on the consistency of results and serves to enhance the confidence level that can be applied to the two analyses. The primary difference between the two analyses lies not in the different types of finite elements used for the two studies but in the fact that the NEC analysis was performed to provide detailed stress analysis only of the aboveground portion of the structure. Those portions of the structure common to both analyses have been compared, and the results are shown in the following paragraphs.

5.1 Node Displacements

Displacements of selected nodes have been compared with the results of the NEC analysis for nodes along Column Lines 1, 6, and 11. Using these column lines, a clear picture of the overall building response is shown. Tables 5-1, 5-2, and 5-3 show the three components of displacement, X (N-S), Y (E-W), and Z (vertical), as obtained by LATA and NEC. Both sets of results are referenced to the ground level (elevation 0.0 ft).

5.2 Element Shear Stresses

Stress comparisons between common elements of the LATA and NEC analyses are shown for selected elements located between elevations 0.0 and 70 ft. Tables 5-4, 5-5, 5-6, and 5-7 show the results of this comparison.

The stress results of both analyses tend to show that the shear stresses are below the critical threshold for requiring shear reinforcement. While the percentile difference between some of the compared

TABLE 5-1
 NODE DISPLACEMENT COMPARISONS
 Column Line 1

Node Point	LATA			Displacements (in.)			Displacements (in.)			Displacements (in.)		
	Differential Displacement from Elevation 0.0 ft											
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
166	0	0	0	0	0	0	0	0	0	0	0	0
275	0.0397	0.0194	0.0072	0.0188	0.0138	0.0154	0.0188	0.0138	0.0154	0.0188	0.0138	0.0154
380	0.0650	0.0321	0.0113	0.0417	0.0272	0.0255	0.0417	0.0272	0.0255	0.0417	0.0272	0.0255
469	0.1017	0.0464	0.0162	0.0749	0.0407	0.0353	0.0749	0.0407	0.0353	0.0749	0.0407	0.0353
542	0.1390	0.0575	0.0181	0.1101	0.052	0.0407	0.1101	0.052	0.0407	0.1101	0.052	0.0407
191	0	0	0	0	0	0	0	0	0	0	0	0
299	0.0339	0.012	0.0021	0.01813	0.0114	0.0070	0.01813	0.0114	0.0070	0.01813	0.0114	0.0070
403	0.0572	0.0143	0.0037	0.0411	0.0242	0.0124	0.0411	0.0242	0.0124	0.0411	0.0242	0.0124
490	0.0925	0.0369	0.0053	0.0743	0.0402	0.0173	0.0743	0.0402	0.0173	0.0743	0.0402	0.0173
566	0.1286	0.0440	0.0057	0.1074	0.0520	0.0185	0.1074	0.0520	0.0185	0.1074	0.0520	0.0185
228	0	0	0	0	0	0	0	0	0	0	0	0
333	0.0194	0.0030	0.0048	0.0204	0.0108	0.0128	0.0204	0.0108	0.0128	0.0204	0.0108	0.0128
437	0.0428	0.0120	0.0092	0.0426	0.0212	0.0213	0.0426	0.0212	0.0213	0.0426	0.0212	0.0213
520	0.0768	0.0200	0.0123	0.0624	0.0325	0.0114	0.0624	0.0325	0.0114	0.0624	0.0325	0.0114
602	0.1118	0.0270	0.0138	0.1030	0.0524	0.0342	0.1030	0.0524	0.0342	0.1030	0.0524	0.0342

TABLE 5-2
 NODE DISPLACEMENT COMPARISONS
 Column Line 6

Node Point	LATA			NEC		
	Differential Displacement from Elevation 0.0 ft					
	Displacements (in.)			Displacements (in.)		
	X	Y	Z	X	Y	Z
160	0	0	0	0	0	0
269	0.0415	0.0206	0.0051	0.0111	0.0116	0.0062
374	0.0604	0.0305	0.0063	0.0227	0.0228	0.0289
463	0.0897	0.0471	0.0081	0.0544	0.0499	0.0135
536	0.1401	0.0579	0.0083	0.0962	0.0439	0.0168
185	0	0	0	0	0	0
293	0.0423	0.0134	0.0023	-	-	-
397	0.0604	0.0215	0.0021	-	-	-
484	0.0904	0.0327	0.0029	0.0536	0.0252	0.0043
560	0.1276	0.0515	0.0032	0.0896	0.0546	0.0045
235	0	0	0	0	0	0
340	0.0448	0.0170	0.0042	0.0146	0.0135	0.0078
443	0.0595	0.0195	0.0044	0.0301	0.0245	0.0109
524	0.0838	0.0266	0.0053	0.0611	0.0393	0.0144
606	0.1239	0.0405	0.0071	0.0891	0.0483	0.0150

TABLE 5-3
 NODE DISPLACEMENT COMPARISONS
 Column Line 11

Node Point	LATA			NEC			
	Differential Displacement from Elevation 0.0 ft						
	Displacements (in.)						
	X	Y	Z		X	Y	Z
180	0	0	0		0	0	0
289	0.0228	0.2730	0.0040		0.0233	0.0098	0.0054
393	0.0428	0.3549	0.0061		0.0480	0.0266	0.0101
482	0.0718	0.2820	0.0081		0.0795	0.0460	0.0142
555	0.0969	0.0213	0.0088		0.0922	0.0563	0.0152
217	0	0	0		0	0	0
322	0.0167	0.0010	0.0033		0.0228	0.0310	0.0138
426	0.0281	0.0203	0.0059		0.0496	0.0353	0.0209
509	0.0662	0.0318	0.0087		0.0823	0.0536	0.0252
591	0.0915	0.0536	0.0095		0.0931	0.0591	0.0252

TABLE 5-4

SHEAR STRESS COMPARISON FOR SELECTED ELEMENTS

Elevation 0.0 ft

<u>Column Line</u>	<u>LATA Element Designation</u>	<u>Shear Stress (psi)</u> <u>LATA</u>	<u>NEC</u>
1	X-7	71	84
1	X-19	137	114
1	X-32	81	108
3	X-5	113	35
3	X-26	191	120
3	X-41	98	54
6	X-3	124	95
6	X-39	141	105
9	X-1	34	48
9	X-22	103	75
9	X-47	47	68
H	Y-9	77	81
H	Y-5	99	87
H	Y-1	92	85
C	Y-47	60	69
C	Y-44	65	62
C	Y-42	131	78
F	Y-26	80	56
F	Y-25	69	57
F	Y-24	69	51
E	Y-31	69	54
E	Y-30	66	55
E	Y-29	80	51
6	X-16	158	80
4	X-17	184	113
8	X-15	118	70

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TABLE 5-5
SHEAR STRESS COMPARISON FOR SELECTED ELEMENTS
Elevation 21.25 ft

<u>Column Line</u>	<u>LATA Element Designation</u>	<u>Shear Stress (psi)</u>	
		<u>LATA</u>	<u>NEC</u>
1	X-8	38	66
1	X-22	99	122
1	X-36	93	101
3	X-6	55	35
3	X-28	144	120
3	X-43	47	57
6	X-4	25	60
6	X-26	96	120
9	X-1	21	48
9	X-24	65	42
9	X-52	77	69
H	Y-9	53	66
H	Y-6	107	91
H	Y-1	42	54
C	Y-45	69	74
C	Y-42	45	57
C	Y-40	56	72
F	Y-24	39	35
F	Y-23	39	40
F	Y-22	41	37
E	Y-30	36	35
E	Y-29	32	40
E	Y-28	27	39
6	X-19	100	115
4	X-20	79	68
8	X-18	43	50

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12/98

TABLE 5-6

SHEAR STRESS COMPARISON FOR SELECTED ELEMENTS

Elevation 42.5 ft

<u>Column Line</u>	<u>LATA Element Designation</u>	<u>Shear Stress (psi)</u>	
		<u>LATA</u>	<u>NEC</u>
1	X-7	28	41
1	X-18	75	128
1	X-28	68	99
3	X-5	46	45
3	X-23	170	148
3	X-33	41	48
6	X-3	58	69
9	X-1	73	43
9	X-35	71	67
H	Y-8	53	43
H	Y-5	78	81
H	Y-1	45	65
C	Y-42	63	83
C	Y-39	47	63
C	Y-36	39	67
F	Y-22	48	45
F	Y-21	36	45
E	Y-25	26	45
E	Y-24	30	45
6	X-15	84	75

TABLE 5-7

SHEAR STRESS COMPARISON FOR SELECTED ELEMENTS

Elevation 70.0 ft

<u>Column Line</u>	<u>LATA Element Designation</u>	<u>Shear Stress (psi)</u>	
		<u>LATA</u>	<u>NEC</u>
1	X-7	24	22
1	X-14	81	120
1	X-21	68	85
3	X-5	15	19
3	X-24	117	130
6	X-20	159	173
6	X-23	100	119
9	X-1	24	25
9	X-26	40	45
H	Y-9	41	21
H	Y-5	59	60
H	Y-1	20	42
C	Y-37	20	42
C	Y-34	30	62
C	Y-32	89	52

stress values tends to be large, the most significant aspect of the comparison is that the difference in the stress values is, in general, small in relationship to the available shear strength of reinforced concrete.

Table 5-8 shows a comparison of the maximum wall stress from the results of NEC and LATA. This table includes only those wall stresses associated with structural elements located above ground level.

TABLE 5-8
SUMMARY OF COMPARISON FOR MAXIMUM WALL STRESSES

	<u>LATA</u>	<u>NEC</u>
Max Wall Shear, Column Line 1	149	128
Max Wall Shear, Column Line 3	200	157
Max Wall Shear, Column Line 6	177	209
Max Wall Shear, Column Line 9	121	93
Max Wall Shear, Column Line H	125	107
Max Wall Shear, Column Line C	131	96
Max Cell Wall Stress, Column Line F	69	66
Max Cell Wall Stress, Column Line E	80	62
Max Cell Wall Stress, Column Line 6	158	140
Max Cell Wall Stress, Column Line 4	184	113
Max Cell Wall Stress, Column Line 8	118	72

6.0 CONCLUSIONS

The results of the studies presented herein show that the loads and load combinations used by NEC are consistent with the "Basis for Design" and the requirements of DOEM 6301 for plutonium facilities. It was concluded that structure dead and live loads have been accurately determined by NEC. It is further concluded that the design analysis of the foundation slab provides reasonable conservatism and is judged to be in accordance with accepted industry practice.

The seismic analysis methods used in the preliminary design stages, while providing approximate results, have been shown by subsequent finite element models to provide sufficient accuracy for their intended purpose.

The three-dimensional finite element model shows that all concrete structural elements within the FMEF are of sufficient size and that adequate reinforced steel can be installed to resist the effects of the design basis seismic event.

Overturning moments and base shear values were determined to be within acceptable limits and the values obtained from the finite element model are in general agreement with those obtained from earlier models of both LATA and NEC.

From this independent assessment, it is concluded that the models and analysis techniques presented for review provide results that are sufficiently accurate and properly conservative to achieve a final building design that will satisfactorily meet the requirements of the "Basis for Design" document and those of DOEM 6301.

REFERENCES

1. Norman Engineering Co. Drawings for the Fuels and Materials Examination Facility, U. S. Department of Energy, Richland Operations Office

SK-4-81345	Architectural Longitudinal Section A
SK-4-81346	Architectural Transverse Section B
SK-4-81347	Architectural Transverse Section C
SK-4-81261	Architectural - DE Cell Level Floor Plan
SK-4-81262	Architectural - Equipment Level Floor Plan
SK-4-81341	Architectural - Entry Level Floor Plan
SK-4-81342	Architectural - Chemistry Level Floor Plan
SK-4-81343	Architectural - Fuel Fabrication Level
SK-4-81344	Architectural - Loft Level Floor Plan

LATA-HEDL-44

APPENDICES A, B, AND C
THREE-DIMENSIONAL FINITE-ELEMENT
SEISMIC ANALYSIS OF THE FMEF PROCESS BUILDING
for the
Hanford Engineering Development Laboratory
by
Los Alamos Technical Associates, Inc.
February 1980

APPENDIX A
BUILDING MODEL

Figure A-1. Model node points and floor plate elements at -35-ft elevation (letter prefix A).

Figure A-3. Model node points and floor plate elements at 0-ft elevation (letter prefix C).

A-4

A_2

13

7

工

11

A-7

02

1
2a
3
4
4a
5a
6
7
8
9
10
11

A-8

Elevation
94'

70'

42.5'

21.25'

0'

-17.5'

-35'

HNF-3451, Rev. 0

02

1 2 3 4 4a 5a 6 7 8 9 10 11

542	541	540	539	538	537	536	535	534	533	
F9	F8	F7	F6	F5	F4	F3	F2	F1		
469	468	467	466	465	464	463	462	461	460	
E9	E8	E7	E6	E5	E4	E3	E2	E1		
380	379	378	377	376	375	374	373	372	371	
D9	D8	D7	D6	D5	D4	D3	D2	D1		
275	274	273	272	271	270	269	268	267	266	
C9	C8	C7	C6	C5	C4	C3	C2	C1		
166	165	164	163	162	161	160	159	158	157	156
B10	B9	B8	B7	B6	B5	B4	B3	B2	B1	
85	84	83	82	81	80	79	78	77	76	75
A10	A9	A8	A7	A6	A5	A4	A3	A2	A1	
11	10	9	8	7	6	5	4	3	2	1

Figure A-8. Model node points and wall plate elements on column line H.

Figure A-9. Model node points, beams and wall plate elements on column line G.

Figure A-10. Model node points, beams and wall plate elements on column line F.

Figure A-11. Model node points, beams and wall plate elements on column line E₂.

Figure A-12. Model node points, beams and wall plate elements on column line E.

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Figure A-14. Model node points and wall plate elements on column line C.

Figure A-15. Model node points and wall plate elements on column line B.

Figure A-16. Model node points and wall plate elements on column line A₂.

Figure A-17. Model node points and wall plate elements on column line A₁.

Figure A-18. Model node points, beams and wall plate elements on column line 11.

94'

70.

42.5'

21.25'

0.

-17.5'

-35-

Figure A-19. Model node points, beams and wall plate elements on column line 10.

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Elevation													
94'		533	545	557	569	581	593	603	612				
70'	F1						F22	F26					
		460	472				511	521	530				
42.5'	E1						E29	E35					
		371	383	394	405	416	428	440	451	456	459		
21.25'	D1		D10	D17	D24	D31	D39	D47	52	D55			
		266	278	290	302	311	324	337	350	359	370		
0'	C1		C9	C14	C22	C30	C36	C47	55	C60			
		157	169	182	195	206	219	232	245				
-17.5'	B2				B22	B30	B35	B41					
		76	87	99	111	122	133	144	153				
-35'	A2		A10		A24	A32	A37	A45					
		2	13	25	35	44	53	63	72				

Figure A-20. Model node points and wall plate elements on column line 9.

Elevation

94'

70'

42.5'

21.25'

0'

-17.5'

-35'

534	546	558	570	582	594	604	613
F2						F13	
461	473						512
E2						E30	E36
372	384	395	406	417	429	441	452
D2	D11	D18	D25	D32	D40	D48	
267	279	291	303	312	325	338	351
C2		C15	C23		C37	C48	360
158	170	183	196	207	220	233	246
B3			B23	B31	B36	B42	255
77	88	100	112	123	134	145	154
A3	A11		A25	A33	A38	A46	
3	14	26	36	45	54	64	73

H G F E₂ E D C B A₂ A₁

Figure A-21. Model node points and wall plate elements on column line 8.

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Figure A-22. Model node points and wall plate elements on column line 7.

Figure A-23. Model node points and wall plate elements on column line 6.

Figure A-24. Model node points and wall plate elements on column line 5a.

Elevation
94'

Figure A-25. Model node points and wall plate elements on column line 4a.

Elevation

94'

70'

42.5'

21.25'

0'

-17.5'

-35'

Figure A-26. Model node points and wall plate elements on column line 4.

Figure A-27. Model node points and wall plate elements on column line 3.

Elevation

94'

70'

42.5'

21.25'

0'

-17.5'

-35'

541	553	565	577	589	601	611
F 6					F 25	
468	480	489	498	507	519	529
E 6					E 34	
379	391	402	413	424	436	448
D 7					D 44	
274	286	298	307	319	332	345
C 6					C 42	
165	177	190	201	214	227	240
B 8					B 40	
84	95	107	119	130	141	152
A 7					A 44	
10	21				61	71

H G F E₂ E D C B A₂ A₁

Figure A-28. Model node points and wall plate elements on column line 2a.

Figure A-29. Model node points and wall plate elements on column line 1.

Figure A-30. Model node points and wall plate elements on column line 02.

**This document was too large to scan
as a single document. It has
been divided into smaller sections.**

Section 2 of 2

Document Information

Document #	HNF-3451	Revision	0
Title	ASSESSMENT OF STRUCTURAL RESISTANCE OF BLDG 4862 TO EARTHQUAKE & TORNADO FORCES		
Date	12/06/1999		
Originator	METCALF IL	Originator Co.	FDH
Recipient		Recipient Co.	
References	EDT-625602		
Keywords	SEISMIC ANALYSIS		
Projects	FMEF		
Other Information			

APPENDIX B

SAP-V INPUT DATA

6.	1	1	1	1562.	266.	0.
63	1	1	1	1562.	507.	0.
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66	1	1	1	1562.	1160.	0.
67	1	1	1	1562.	1607.	0.
68	1	1	1	1562.	1916.	0.
69	1	1	1	1562.	2408.	0.
70	1	1	1	1562.	2643.	0.
71	1	1	1	1562.	2776.	0.
72	1	1	1	1719.	505.	0.
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74	1	1	1	1719.	988.	0.
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77	1	1	1	0.	740.	240.
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81	1	1	1	0.	1916.	240.
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83	1	1	1	0.	2643.	240.
84	1	1	1	0.	2776.	240.
85	1	1	1	0.	3087.	240.
86	1	1	1	282.	266.	240.
87	1	1	1	282.	505.	240.
88	1	1	1	282.	740.	240.
89	1	1	1	282.	988.	240.
90	1	1	1	282.	1160.	240.
91	1	1	1	282.	1607.	240.
92	1	1	1	282.	1916.	240.
93	1	1	1	282.	2408.	240.
94	1	1	1	282.	2643.	240.
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96	1	1	1	282.	3087.	240.
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103	1	1	1	508.	1607.	240.
104	1	1	1	508.	1916.	240.
105	1	1	1	508.	2408.	240.
106	1	1	1	508.	2643.	240.
107	1	1	1	508.	2776.	240.
108	1	1	1	508.	3087.	240.
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110	1	1	1	709.	266.	240.
111	1	1	1	709.	505.	240.
112	1	1	1	709.	740.	240.
113	1	1	1	709.	988.	240.
114	1	1	1	709.	1160.	240.
115	1	1	1	709.	1607.	240.
116	1	1	1	709.	1916.	240.
117	1	1	1	709.	2408.	240.
118	1	1	1	709.	2643.	240.
119	1	1	1	709.	2776.	240.
120	1	1	1	709.	3087.	240.
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122	1	1	1	1054.	505.	240.
123	1	1	1	1054.	740.	240.
124	1	1	1	1054.	988.	240.

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128	1	1	1	1054	4408	240
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171	1	1	1	282	988	414
172	1	1	1	282	1160	414
173	1	1	1	282	1607	414
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176	1	1	1	282	2643	414
177	1	1	1	282	2776	414
178	1	1	1	282	3087	414
179	1	1	1	282	3673	414
180	1	1	1	504	0	414
181	1	1	1	508	266	414
182	1	1	1	508	505	414
183	1	1	1	508	740	414
184	1	1	1	508	988	414
185	1	1	1	504	1160	414
186	1	1	1	508	1607	414
187	1	1	1	508	1916	414

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192	1	1	1	503.	3673.	414.
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195	1	1	1	709.	505.	414.
196	1	1	1	709.	740.	414.
197	1	1	1	709.	988.	414.
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199	1	1	1	709.	2468.	414.
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201	1	1	1	709.	2776.	414.
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203	1	1	1	709.	3673.	414.
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205	1	1	1	1054.	266.	414.
206	1	1	1	1054.	505.	414.
207	1	1	1	1054.	740.	414.
208	1	1	1	1054.	988.	414.
209	1	1	1	1054.	1160.	414.
210	1	1	1	1054.	1607.	414.
211	1	1	1	1054.	1916.	414.
212	1	1	1	1054.	2409.	414.
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220	1	1	1	1280.	740.	414.
221	1	1	1	1280.	988.	414.
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232	1	1	1	1562.	505.	414.
233	1	1	1	1562.	740.	414.
234	1	1	1	1562.	988.	414.
235	1	1	1	1562.	1160.	414.
236	1	1	1	1562.	1607.	414.
237	1	1	1	1562.	1916.	414.
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247	1	1	1	1719.	988.	414.
248	1	1	1	1719.	1160.	414.
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250	1	1	1	1719.	1916.	414.

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271	1	1	1	0.	1915.	702.
272	1	1	1	0.	2409.	702.
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275	1	1	1	0.	3087.	702.
276	1	1	1	282.	0.	702.
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285	1	1	1	282.	2643.	702.
286	1	1	1	282.	2776.	702.
287	1	1	1	282.	3087.	702.
288	1	1	1	282.	3673.	702.
289	1	1	1	509.	0.	702.
290	1	1	1	509.	505.	702.
291	1	1	1	509.	740.	702.
292	1	1	1	509.	988.	702.
293	1	1	1	509.	1160.	702.
294	1	1	1	509.	1607.	702.
295	1	1	1	509.	1915.	702.
296	1	1	1	509.	2409.	702.
297	1	1	1	509.	2643.	702.
298	1	1	1	509.	2776.	702.
299	1	1	1	509.	3087.	702.
300	1	1	1	509.	3673.	702.
301	1	1	1	709.	0.	702.
302	1	1	1	709.	505.	702.
303	1	1	1	709.	740.	702.
304	1	1	1	709.	1160.	702.
305	1	1	1	709.	1607.	702.
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311	1	1	1	1054.	3673.	702.
312	1	1	1	1054.	0.	702.
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					740.	702.
					988.	702.

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323	1	1	1	1280.	266.	702.
324	1	1	1	1280.	505.	702.
325	1	1	1	1280.	740.	702.
326	1	1	1	1280.	988.	702.
327	1	1	1	1280.	1160.	702.
328	1	1	1	1280.	1607.	702.
329	1	1	1	1290.	1916.	702.
330	1	1	1	1280.	2408.	702.
331	1	1	1	1280.	2643.	702.
332	1	1	1	1280.	2776.	702.
333	1	1	1	1280.	3017.	702.
334	1	1	1	1280.	3673.	702.
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337	1	1	1	1562.	505.	702.
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339	1	1	1	1562.	988.	702.
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350	1	1	1	1718.	505.	702.
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352	1	1	1	1718.	988.	702.
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355	1	1	1	1718.	1916.	702.
356	1	1	1	1718.	2408.	702.
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358	1	1	1	1874.	266.	702.
359	1	1	1	1874.	505.	702.
360	1	1	1	1874.	740.	702.
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362	1	1	1	1874.	1160.	702.
363	1	1	1	1874.	1607.	702.
364	1	1	1	1874.	1916.	702.
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371	1	1	1	0.	505.	702.
372	1	1	1	0.	740.	924.
373	1	1	1	0.	988.	924.
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375	1	1	1	0.	1607.	924.
376	1	1	1	0.	1916.	924.

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385	1	1	1	282.	740.	924.
386	1	1	1	282.	988.	924.
387	1	1	1	282.	1160.	924.
388	1	1	1	282.	1607.	924.
389	1	1	1	282.	1916.	924.
390	1	1	1	282.	2404.	924.
391	1	1	1	282.	2643.	924.
392	1	1	1	282.	2776.	924.
393	1	1	1	282.	3087.	924.
394	1	1	1	508.	0.	924.
395	1	1	1	508.	505.	924.
396	1	1	1	508.	740.	924.
397	1	1	1	508.	988.	924.
398	1	1	1	508.	1160.	924.
399	1	1	1	508.	1607.	924.
400	1	1	1	508.	1916.	924.
401	1	1	1	508.	2403.	924.
402	1	1	1	508.	2643.	924.
403	1	1	1	508.	2776.	924.
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405	1	1	1	709.	0.	924.
406	1	1	1	709.	505.	924.
407	1	1	1	709.	740.	924.
408	1	1	1	709.	988.	924.
409	1	1	1	709.	1160.	924.
410	1	1	1	709.	1607.	924.
411	1	1	1	709.	1916.	924.
412	1	1	1	709.	2408.	924.
413	1	1	1	709.	2643.	924.
414	1	1	1	709.	2776.	924.
415	1	1	1	709.	3087.	924.
416	1	1	1	1054.	0.	924.
417	1	1	1	1054.	505.	924.
418	1	1	1	1054.	740.	924.
419	1	1	1	1054.	988.	924.
420	1	1	1	1054.	1160.	924.
421	1	1	1	1054.	1607.	924.
422	1	1	1	1054.	1916.	924.
423	1	1	1	1054.	2408.	924.
424	1	1	1	1054.	2643.	924.
425	1	1	1	1054.	2776.	924.
426	1	1	1	1054.	3087.	924.
427	1	1	1	1280.	0.	924.
428	1	1	1	1280.	266.	924.
429	1	1	1	1280.	505.	924.
430	1	1	1	1280.	740.	924.
431	1	1	1	1280.	988.	924.
432	1	1	1	1280.	1160.	924.
433	1	1	1	1280.	1607.	924.
434	1	1	1	1280.	1916.	924.
435	1	1	1	1280.	2408.	924.
436	1	1	1	1280.	2643.	924.
437	1	1	1	1280.	2776.	924.
438	1	1	1	1280.	3087.	924.
439	1	1	1	1562.	0.	924.
	1	1	1	1562.	266.	924.

440	1	1	1	1562.	505.	924.
441	1	1	1	1562.	740.	924.
442	1	1	1	1562.	988.	924.
443	1	1	1	1562.	1100.	924.
444	1	1	1	1562.	1607.	924.
445	1	1	1	1562.	1916.	924.
446	1	1	1	1562.	2408.	924.
447	1	1	1	1562.	2643.	924.
448	1	1	1	1562.	2776.	924.
449	1	1	1	1718.	0.	924.
450	1	1	1	1718.	266.	924.
451	1	1	1	1718.	505.	924.
452	1	1	1	1718.	740.	924.
453	1	1	1	1719.	988.	924.
454	1	1	1	1874.	0.	924.
455	1	1	1	1874.	266.	924.
456	1	1	1	1874.	505.	924.
457	1	1	1	2240.	0.	924.
458	1	1	1	2240.	266.	924.
459	1	1	1	2240.	505.	924.
460	1	1	1	0.	505.	1260.
461	1	1	1	0.	740.	1260.
462	1	1	1	0.	988.	1260.
463	1	1	1	0.	1160.	1260.
464	1	1	1	0.	1607.	1260.
465	1	1	1	0.	1916.	1260.
466	1	1	1	0.	2408.	1260.
467	1	1	1	0.	2643.	1260.
468	1	1	1	0.	2776.	1260.
469	1	1	1	0.	3087.	1260.
470	1	1	1	282.	0.	1260.
471	1	1	1	282.	266.	1260.
472	1	1	1	282.	505.	1260.
473	1	1	1	282.	740.	1260.
474	1	1	1	282.	988.	1260.
475	1	1	1	282.	1160.	1260.
476	1	1	1	282.	1607.	1260.
477	1	1	1	282.	1916.	1260.
478	1	1	1	282.	2408.	1260.
479	1	1	1	282.	2643.	1260.
480	1	1	1	282.	2776.	1260.
481	1	1	1	282.	3087.	1260.
482	1	1	1	508.	0.	1260.
483	1	1	1	508.	988.	1260.
484	1	1	1	508.	1160.	1260.
485	1	1	1	508.	1607.	1260.
486	1	1	1	508.	1916.	1260.
487	1	1	1	508.	2408.	1260.
488	1	1	1	508.	2643.	1260.
489	1	1	1	508.	2776.	1260.
490	1	1	1	508.	3087.	1260.
491	1	1	1	709.	0.	1260.
492	1	1	1	709.	988.	1260.
493	1	1	1	709.	1160.	1260.
494	1	1	1	709.	1607.	1260.
495	1	1	1	709.	1916.	1260.
496	1	1	1	709.	2408.	1260.
497	1	1	1	709.	2643.	1260.
498	1	1	1	709.	2776.	1260.
499	1	1	1	709.	3087.	1260.
500	1	1	1	1054.	0.	1260.
501	1	1	1	1054.	348.	1260.
502	1	1	1	1054.	1160.	1260.

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503	1	1	1	1054.	1007.	1260.
504	1	1	1	1054.	1916.	1260.
505	1	1	1	1054.	2408.	1260.
506	1	1	1	1054.	2643.	1260.
507	1	1	1	1054.	2776.	1260.
508	1	1	1	1054.	3087.	1260.
509	1	1	1	1230.	0.	1260.
510	1	1	1	1230.	266.	1260.
511	1	1	1	1280.	505.	1260.
512	1	1	1	1280.	740.	1260.
513	1	1	1	1280.	988.	1260.
514	1	1	1	1280.	1160.	1260.
515	1	1	1	1280.	1607.	1260.
516	1	1	1	1280.	1916.	1260.
517	1	1	1	1280.	2408.	1260.
518	1	1	1	1280.	2643.	1260.
519	1	1	1	1280.	2776.	1260.
520	1	1	1	1280.	3087.	1260.
521	1	1	1	1562.	505.	1260.
522	1	1	1	1562.	740.	1260.
523	1	1	1	1562.	988.	1260.
524	1	1	1	1562.	1160.	1260.
525	1	1	1	1562.	1607.	1260.
526	1	1	1	1562.	1916.	1260.
527	1	1	1	1562.	2408.	1260.
528	1	1	1	1562.	2643.	1260.
529	1	1	1	1562.	2776.	1260.
530	1	1	1	1718.	505.	1260.
531	1	1	1	1718.	740.	1260.
532	1	1	1	1718.	988.	1260.
533	1	1	1	1718.	1160.	1260.
534	1	1	1	1718.	1607.	1260.
535	1	1	1	1718.	1916.	1260.
536	1	1	1	1718.	2408.	1260.
537	1	1	1	1718.	2643.	1260.
538	1	1	1	1718.	2776.	1260.
539	1	1	1	1718.	3087.	1260.
540	1	1	1	1718.	0.	1260.
541	1	1	1	1718.	266.	1260.
542	1	1	1	1718.	505.	1260.
543	1	1	1	1718.	740.	1260.
544	1	1	1	1718.	988.	1260.
545	1	1	1	1718.	1160.	1260.
546	1	1	1	1718.	1607.	1260.
547	1	1	1	1718.	1916.	1260.
548	1	1	1	1718.	2408.	1260.
549	1	1	1	1718.	2643.	1260.
550	1	1	1	1718.	2776.	1260.
551	1	1	1	1718.	3087.	1260.
552	1	1	1	1718.	0.	1260.
553	1	1	1	1718.	266.	1260.
554	1	1	1	1718.	505.	1260.
555	1	1	1	1718.	740.	1260.
556	1	1	1	1718.	988.	1260.
557	1	1	1	1718.	1160.	1260.
558	1	1	1	1718.	1607.	1260.
559	1	1	1	1718.	1916.	1260.
560	1	1	1	1718.	2408.	1260.
561	1	1	1	1718.	2643.	1260.
562	1	1	1	1718.	2776.	1260.
563	1	1	1	1718.	3087.	1260.
564	1	1	1	1718.	0.	1260.
565	1	1	1	1718.	266.	1260.

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566	1	1	1	508.	3097.	1578.
567	1	1	1	703.	0.	1578.
568	1	1	1	703.	266.	1578.
569	1	1	1	703.	505.	1578.
570	1	1	1	703.	740.	1578.
571	1	1	1	703.	988.	1578.
572	1	1	1	703.	1160.	1578.
573	1	1	1	703.	1607.	1578.
574	1	1	1	703.	1916.	1578.
575	1	1	1	703.	2408.	1578.
576	1	1	1	703.	2643.	1578.
577	1	1	1	709.	2776.	1578.
578	1	1	1	709.	3067.	1578.
579	1	1	1	1054.	0.	1578.
580	1	1	1	1054.	266.	1578.
581	1	1	1	1054.	505.	1578.
582	1	1	1	1054.	740.	1578.
583	1	1	1	1054.	988.	1578.
584	1	1	1	1054.	1160.	1578.
585	1	1	1	1054.	1607.	1578.
586	1	1	1	1054.	1916.	1578.
587	1	1	1	1054.	2408.	1578.
588	1	1	1	1054.	2643.	1578.
589	1	1	1	1054.	2776.	1578.
590	1	1	1	1054.	3087.	1578.
591	1	1	1	1280.	0.	1578.
592	1	1	1	1280.	266.	1578.
593	1	1	1	1280.	505.	1578.
594	1	1	1	1280.	740.	1578.
595	1	1	1	1280.	988.	1578.
596	1	1	1	1280.	1160.	1578.
597	1	1	1	1280.	1607.	1578.
598	1	1	1	1280.	1916.	1578.
599	1	1	1	1280.	2408.	1578.
600	1	1	1	1280.	2643.	1578.
601	1	1	1	1280.	2776.	1578.
602	1	1	1	1280.	3087.	1578.
603	1	1	1	1562.	505.	1578.
604	1	1	1	1562.	740.	1578.
605	1	1	1	1562.	988.	1578.
606	1	1	1	1562.	1160.	1578.
607	1	1	1	1562.	1607.	1578.
608	1	1	1	1562.	1916.	1578.
609	1	1	1	1562.	2408.	1578.
610	1	1	1	1562.	2643.	1578.
611	1	1	1	1562.	2776.	1578.
612	1	1	1	1718.	505.	1578.
613	1	1	1	1718.	740.	1578.
614	1	1	1	1718.	988.	1578.
615	1	1	1	0.	266.	1578.
616	1	1	1	0.	505.	1578.
617	1	1	1	0.	740.	1578.
618	1	1	1	0.	988.	1578.
619	1	1	1	0.	1160.	1578.
620	1	1	1	0.	1607.	1578.
621	1	1	1	0.	1916.	1578.
622	1	1	1	0.	2408.	1578.
623	1	1	1	0.	2643.	1578.
624	1	1	1	0.	2776.	1578.
625	1	1	1	0.	3087.	1578.
626	1	1	1	242.	266.	1578.
627	1	1	1	282.	505.	1578.
628	1	1	1	282.	740.	1578.

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629	1	1	1	1	1	282.	988.	-75.
630	1	1	1	1	1	242.	1160.	-49.
631	1	1	1	1	1	242.	1607.	-39.
632	1	1	1	1	1	282.	1916.	-37.
633	1	1	1	1	1	292.	2408.	-42.
634	1	1	1	1	1	232.	2643.	-100.
635	1	1	1	1	1	242.	2776.	-126.
636	1	1	1	1	1	282.	3087.	-162.
637	1	1	1	1	1	503.	0.	-483.
638	1	1	1	1	1	508.	266.	-136.
639	1	1	1	1	1	508.	505.	-91.
640	1	1	1	1	1	508.	740.	-31.
641	1	1	1	1	1	508.	988.	-107.
642	1	1	1	1	1	508.	1160.	-69.
643	1	1	1	1	1	508.	1607.	-56.
644	1	1	1	1	1	508.	1916.	-53.
645	1	1	1	1	1	508.	2408.	-61.
646	1	1	1	1	1	503.	2643.	-189.
647	1	1	1	1	1	709.	0.	-483.
648	1	1	1	1	1	709.	266.	-108.
649	1	1	1	1	1	709.	505.	-67.
650	1	1	1	1	1	709.	740.	-67.
651	1	1	1	1	1	709.	988.	-79.
652	1	1	1	1	1	709.	1160.	-51.
653	1	1	1	1	1	709.	1607.	-41.
654	1	1	1	1	1	709.	1916.	-40.
655	1	1	1	1	1	709.	2408.	-45.
656	1	1	1	1	1	709.	2643.	-139.
657	1	1	1	1	1	1054.	266.	-115.
658	1	1	1	1	1	1054.	505.	-55.
659	1	1	1	1	1	1054.	740.	-55.
660	1	1	1	1	1	1054.	988.	-65.
661	1	1	1	1	1	1054.	1160.	-42.
662	1	1	1	1	1	1054.	1607.	-34.
663	1	1	1	1	1	1054.	1916.	-32.
664	1	1	1	1	1	1054.	2408.	-37.
665	1	1	1	1	1	1054.	2643.	-115.
666	1	1	1	1	1	1280.	266.	-139.
667	1	1	1	1	1	1280.	505.	-67.
668	1	1	1	1	1	1280.	740.	-79.
669	1	1	1	1	1	1280.	988.	-79.
670	1	1	1	1	1	1280.	1160.	-51.
671	1	1	1	1	1	1280.	1607.	-41.
672	1	1	1	1	1	1280.	1916.	-40.
673	1	1	1	1	1	1280.	2408.	-45.
674	1	1	1	1	1	1280.	2643.	-105.
675	1	1	1	1	1	1280.	2776.	-420.
676	1	1	1	1	1	1562.	266.	-254.
677	1	1	1	1	1	1562.	505.	-89.
678	1	1	1	1	1	1562.	740.	-70.
679	1	1	1	1	1	1562.	988.	-102.
680	1	1	1	1	1	1562.	1160.	-93.
681	1	1	1	1	1	1562.	1607.	-76.
682	1	1	1	1	1	1562.	1916.	-72.
683	1	1	1	1	1	1562.	2408.	-32.
684	1	1	1	1	1	1562.	2643.	-158.
685	1	1	1	1	1	1562.	2776.	-420.
686	1	1	1	1	1	1718.	505.	-316.
687	1	1	1	1	1	1718.	740.	-106.
688	1	1	1	1	1	1718.	988.	-344.
689	1	1	1	1	1	1718.	1160.	-145.
690	1	1	1	1	1	1718.	1607.	-102.
691	1	1	1	1	1	1718.	1916.	-170.

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23	637	23	33	1	1
24	637	24	1	1	1
25	637	25	2	1	1
26	640	26	3	1	1
27	641	27	4	1	1
28	642	28	5	1	1
29	643	29	6	1	1
30	644	30	7	1	1
31	645	31	8	1	1
32	646	32	9	1	1
33	647	33	23	1	1
34	648	34	1	1	1
35	649	35	2	1	1
36	650	36	3	1	1
37	651	37	4	1	1
38	652	38	5	1	1
39	653	39	6	1	1
40	654	40	7	1	1
41	655	41	8	1	1
42	656	42	9	1	1
43	657	43	1	1	1
44	658	44	2	1	1
45	659	45	3	1	1
46	660	46	4	1	1
47	661	47	5	1	1
48	662	48	6	1	1
49	663	49	7	1	1
50	664	50	8	1	1
51	665	51	9	1	1
52	666	52	1	1	1
53	667	53	2	1	1
54	668	54	3	1	1
55	669	55	4	1	1
56	670	56	5	1	1
57	671	57	6	1	1
58	672	58	7	1	1
59	673	59	8	1	1
60	674	60	9	1	1
61	675	61	10	1	1
62	676	62	1	1	1
63	677	63	2	1	1
64	678	64	3	1	1
65	679	65	4	1	1
66	680	66	5	1	1
67	681	67	6	1	1
68	682	68	7	1	1
69	683	69	8	1	1
70	684	70	9	1	1
71	685	71	10	1	1
72	686	72	2	1	1
73	687	73	3	1	1
74	688	74	4	1	1
75	689	75	107	1	1
76	690	76	108	1	1
77	691	77	109	1	1
78	692	78	110	1	1
79	693	79	111	1	1
80	694	80	112	1	1
81	695	81	113	1	1
82	696	82	114	1	1
83	697	83	115	1	1
84	698	84	116	1	1
85	699	85	117	1	1

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86	700	204	23	1	1	0	3.08E06	0.	1.57E06
87	701	210	173	1	1	0	0	0	60.
88	702	217	130	1	1	0	0	0	60.
89	703	223	179	1	1	0	0	0	60.
90	704	230	130	1	1	0	0	0	60.
91	705	241	174	1	1	0	0	0	60.
92	706	242	179	1	1	0	0	0	60.
93	707	243	137	1	1	0	0	0	60.
94	708	244	1	1	1	0	0	0	60.
95	709	245	5	1	1	0	0	0	60.
96	710	249	6	1	1	0	0	0	60.
97	711	250	7	1	1	0	0	0	60.
98	712	251	8	1	1	0	0	0	60.
99	713	252	157	1	1	0	0	0	60.
100	714	253	1	1	1	0	0	0	60.
101	715	254	2	1	1	0	0	0	60.
102	716	255	3	1	1	0	0	0	60.
103	717	256	4	1	1	0	0	0	60.
104	718	257	5	1	1	0	0	0	60.
105	719	258	6	1	1	0	0	0	60.
106	720	259	7	1	1	0	0	0	60.
107	721	260	8	1	1	0	0	0	60.
108	722	261	11	1	1	0	0	0	60.
109	723	262	179	1	1	0	0	0	60.
110	724	263	167	1	1	0	0	0	60.
111	725	264	1	1	1	0	0	0	60.
112	726	265	2	1	1	0	0	0	60.
6	49	1				0	0	0	60.
3.68E06	0	5.52E05	0	0	0	0.	3.08E06	0.	1.57E06
0	0	0	0	0	0	0	0	0	60.
0	0	0	0	0	0	0	0	0	60.
0	0	0	0	0	0	0	0	0	60.
0	0	0	0	0	0	0	0	0	60.
1	1	12	13	2	2	0	0	0	60.
2	2	13	14	3	3	0	0	0	60.
3	3	17	16	7	7	0	0	0	60.
4	4	19	19	8	8	0	0	0	60.
5	5	19	20	9	9	0	0	0	60.
6	6	20	21	10	10	0	0	0	60.
7	7	21	22	11	11	0	0	0	60.
8	8	24	25	13	13	0	0	0	60.
9	9	25	26	14	14	0	0	0	60.
10	10	26	27	15	15	0	0	0	60.
11	11	27	28	16	16	0	0	0	60.
12	12	28	29	17	17	0	0	0	60.
13	13	29	30	18	18	0	0	0	60.
14	14	30	31	19	19	0	0	0	60.
15	15	31	32	20	20	0	0	0	60.
16	16	33	34	24	24	0	0	0	60.
17	17	34	35	25	25	0	0	0	60.
18	18	35	36	25	25	0	0	0	60.
19	19	36	37	27	27	0	0	0	60.
20	20	37	38	29	29	0	0	0	60.
21	21	39	40	30	30	0	0	0	60.
22	22	40	41	31	31	0	0	0	60.
23	23	41	42	32	32	0	0	0	60.
24	24	43	44	35	35	0	0	0	60.
25	25	44	45	36	36	0	0	0	60.
26	26	45	46	37	37	0	0	0	60.
27	27	46	47	38	38	0	0	0	60.
28	28	47	48	39	39	0	0	0	60.

 

35	42	123	122	44	12.
36	43	124	123	45	43.
37	44	125	124	46	90.
38	45	126	125	47	96.
39	46	127	126	48	80.
40	47	128	127	49	78.
41	48	129	128	50	78.
42	49	130	129	51	78.
43	50	131	130	52	18.
44	51	132	131	53	18.
45	52	133	132	54	18.
46	53	134	133	55	18.
47	54	135	134	56	18.
48	55	136	135	57	18.
49	56	137	136	58	18.
50	57	138	137	59	18.
51	58	139	138	60	18.
52	59	140	139	61	18.
53	60	141	140	62	18.
54	61	142	141	63	18.
55	62	143	142	64	18.
56	63	144	143	65	18.
57	64	145	144	66	18.
58	65	146	145	67	18.
59	66	147	146	68	18.
60	67	148	147	69	18.
61	68	149	148	70	18.
62	69	150	149	71	18.
63	70	151	150	72	18.
64	71	152	151	73	18.
65	72	153	152	74	18.
66	73	154	153	75	18.
67	74	155	154	76	18.
68	75	156	155	77	18.
69	76	157	156	78	18.
70	77	158	157	79	18.
71	78	159	158	80	18.
72	79	160	159	81	18.
73	80	161	160	82	18.
74	81	162	161	83	18.
75	82	163	162	84	18.
76	83	164	163	85	18.
77	84	165	164	86	18.
78	85	166	165	87	18.
79	86	167	166	88	18.
80	87	168	167	89	18.
81	88	169	168	90	18.
82	89	170	169	91	18.
83	90	171	170	92	18.
84	91	172	171	93	18.
85	92	173	172	94	18.
86	93	174	173	95	18.
87	94	175	174	96	18.
88	95	176	175	97	18.
89	96	177	176	98	18.
90	97	178	177	99	18.
91	98	179	178	100	18.
92	99	180	179	101	18.
93	100	181	180	102	18.
94	101	182	181	103	18.
 

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34	34	123	133	29	11.
35	31	129	140	60	1d.
36	32	132	143	62	24.
37	33	133	144	63	7.9
38	34	134	145	64	22.3
39	35	135	146	65	25.4
40	36	136	147	66	23.5
41	37	137	148	67	29.4
42	38	138	149	68	41.
43	39	139	150	69	17.2
44	40	140	151	70	14.
45	41	141	152	71	18.
46	42	142	153	72	30.
47	43	143	154	73	24.
48	44	144	155	74	
49	45	145	156	75	
50	46	146	157	76	
51	47	147	158	77	
52	48	148	159	78	
53	49	149	160	79	
54	50	150	161	80	
55	51	151	162	81	
56	52	152	163	82	
57	53	153	164	83	
58	54	154	165	84	
59	55	155	166	85	
60	56	156	167	86	
61	57	157	168	87	
62	58	158	169	88	
63	59	159	170	89	
64	60	160	171	90	
65	61	161	172	91	
66	62	162	173	92	
67	63	163	174	93	
68	64	164	175	94	
69	65	165	176	95	
70	66	166	177	96	
71	67	167	178	97	
72	68	168	179	98	
73	69	169	180	99	
74	70	170	181	100	
 	

42	133	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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41	140	234	231	141	150
50	147	235	234	146	140
51	148	236	235	147	140
52	149	237	236	148	140
53	150	238	237	149	140
54	151	239	238	150	140
55	152	240	239	151	140
56	153	241	240	152	140
57	154	242	241	153	140
58	155	243	242	154	140

3.68E05	5.52E05	0.0	3.68E05	0.0	1.57E06
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1	75	156	160	65	240
2	76	157	161	67	120
3	77	158	162	68	300
4	78	159	163	69	120
5	79	160	164	70	270
6	80	161	165	71	300
7	81	162	166	72	160
8	82	163	167	73	120
9	83	164	168	74	240
10	84	165	169	75	180
11	85	166	170	76	240
12	86	167	171	77	100
13	87	168	172	78	180
14	88	169	173	79	180
15	89	170	174	80	180
16	90	171	175	81	180
17	91	172	176	82	180
18	92	173	177	83	180
19	93	174	178	84	180
20	94	175	179	85	180
21	95	176	180	86	180
22	96	177	181	87	180
23	97	178	182	88	180
24	98	179	183	89	180
25	99	180	184	90	180
26	100	181	185	91	180
27	101	182	186	92	180
28	102	183	187	93	180
29	103	184	188	94	180
30	104	185	189	95	180
31	105	186	190	96	180
32	106	187	191	97	180
33	107	188	192	98	180
34	108	189	193	99	180
35	109	190	194	100	180
36	110	191	195	101	180
37	111	192	196	102	180
38	112	193	197	103	180
39	113	194	198	104	180
40	114	195	199	105	180
41	115	196	200	106	180
42	116	197	201	107	180
43	117	198	202	108	180
44	118	199	203	109	180
45	119	200	204	110	180
46	120	201	205	111	180
47	121	202	206	112	180
48	122	203	207	113	180
49	123	204	208	114	180
50	124	205	209	115	180
51	125	206	210	116	180
52	126	207	211	117	180
53	127	208	212	118	180
54	128	209	213	119	180
55	129	210	214	120	180
56	130	211	215	121	180
57	131	212	216	122	180
58	132	213	217	123	180
59	133	214	218	124	180
60	134	215	219	125	180
61	135	216	220	126	180
62	136	217	221	127	180
63	137	218	222	128	180
64	138	219	223	129	180
65	139	220	224	130	180
66	140	221	225	131	180
67	141	222	226	132	180
68	142	223	227	133	180
69	143	224	228	134	180
70	144	225	229	135	180
71	145	226	230	136	180
72	146	227	231	137	180
73	147	228	232	138	180
74	148	229	233	139	180
75	149	230	234	140	180
76	150	231	235	141	180
77	151	232	236	142	180
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79	153	234	238	144	180
80	154	235	239	145	180
81	155	236	240	146	180
82	156	237	241	147	180
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84	158	239	243	149	180
85	159	240	244	150	180
86	160	241	245	151	180
87	161	242	246	152	180
88	162	243	247	153	180
89	163	244	248	154	180
90	164	245	249	155	180
91	165	246	250	156	180
92	166	247	251	157	180
93	167	248	252	158	180
94	168	249	253	159	180
95	169	250	254	160	180
96	170	251	255	161	180
97	171	252	256	162	180
98	172	253	257	163	180
99	173	254	258	164	180
100	174	255	259	165	180

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59	635	240	244	244	244	12.
60	233	244	244	244	244	12.
61	237	250	251	251	251	12.
62	243	252	253	254	254	12.
63	244	253	254	254	254	12.
64	246	254	255	255	255	12.
65	247	255	257	257	257	12.
66	248	257	258	258	258	12.
67	249	258	259	259	259	12.
68	250	259	260	260	260	12.
69	251	261	262	262	262	12.
70	252	263	264	264	264	12.
71	253	264	265	265	265	12.
72	254	265	266	266	266	12.
73	255	266	267	267	267	12.
74	256	267	268	268	268	12.
75	257	268	269	269	269	12.
76	258	269	270	270	270	12.
77	259	270	271	271	271	12.
78	260	271	272	272	272	12.
79	261	272	273	273	273	12.
80	262	273	274	274	274	12.
81	263	274	275	275	275	12.
82	264	275	276	276	276	12.
83	265	276	277	277	277	12.
84	266	277	278	278	278	12.
85	267	278	279	279	279	12.
86	268	279	280	280	280	12.
87	269	280	281	281	281	12.
88	270	281	282	282	282	12.
89	271	282	283	283	283	12.
90	272	283	284	284	284	12.
91	273	284	285	285	285	12.
92	274	285	286	286	286	12.
93	275	286	287	287	287	12.
94	276	287	288	288	288	12.
95	277	288	289	289	289	12.
96	278	289	290	290	290	12.
97	279	290	291	291	291	12.
98	280	291	292	292	292	12.
99	281	292	293	293	293	12.
100	282	293	294	294	294	12.
101	283	294	295	295	295	12.
102	284	295	296	296	296	12.
103	285	296	297	297	297	12.
104	286	297	298	298	298	12.
105	287	298	299	299	299	12.
106	288	299	300	300	300	12.
107	289	300	301	301	301	12.
108	290	301	302	302	302	12.
109	291	302	303	303	303	12.
110	292	303	304	304	304	12.
 		

43	230	141	340	235	140
44	237	142	341	236	140
45	233	143	342	237	140
46	239	144	343	238	140
47	240	145	344	239	140
48	240	151	350	245	140
49	247	152	351	240	140
50	256	161	360	250	140
51	257	162	361	250	140
52	258	163	362	257	140
53	259	164	363	259	140
54	260	165	364	259	140
55	262	167	366	261	140
6	00	1			0.
1	157	266	278	169	260
2	158	267	279	170	300
3	160	269	281	172	300
4	163	272	284	175	300
5	164	273	285	176	120
6	165	274	285	177	120
7	165	275	287	178	140
8	167	276	289	180	140
9	169	278	290	182	140
10	176	285	297	189	120.5
11	178	287	299	191	140
12	179	288	300	192	120
13	180	289	301	193	140
14	182	290	302	195	140
15	183	291	303	195	490
16	185	293	304	198	600
17	186	296	305	199	480
18	189	297	306	203	140
19	191	299	308	202	140
20	192	300	309	203	120
21	193	301	310	204	140
22	195	302	311	208	11.6
23	196	303	312	207	490
24	198	304	314	209	600
25	199	305	317	212	480
26	200	306	318	213	140
27	202	308	320	215	140
28	203	309	321	216	120
29	204	310	322	217	140
30	205	311	324	219	140
31	213	318	331	226	140
32	215	320	333	228	140
33	216	321	334	229	120
34	217	322	335	230	120
35	218	323	336	231	11.2
36	219	324	337	232	12.3
37	220	325	338	233	300
38	221	326	339	234	120
39	222	327	340	235	300
40	225	330	343	238	140
41	226	331	344	239	140
42	227	332	345	240	120

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43	223	334	346	241	8.
44	224	334	347	242	8.
45	230	335	348	243	12.
46	231	334	349	244	12.
47	232	337	350	245	14.
48	233	339	341	246	30.
49	234	333	352	247	12.
50	238	343	356	251	12.
51	241	340	366	261	8.
52	242	347	367	262	8.
53	243	344	357	262	12.
54	244	349	358	253	11.2
55	245	350	359	254	14.
56	247	352	361	256	12.
57	251	356	365	260	12.
58	252	357	364	263	12.
59	253	358	369	264	12.
60	254	359	370	265	12.
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3.63E06	1	5.52E05	0.	3.68E06	0.
0	0	0	0	0	1.57E06
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0	0	0	0	0	
0	0	0	0	0	
1	267	279	280	253	35.
2	258	290	281	259	36.
3	269	291	292	270	12.
4	270	292	283	271	12.
5	271	293	284	272	12.
6	272	284	285	273	12.
7	273	285	286	274	12.
8	278	290	291	279	12.
9	279	291	292	280	12.
10	280	292	293	281	12.
11	281	293	294	282	12.
12	282	294	295	283	12.
13	283	295	296	284	12.
14	284	296	297	285	12.
15	285	297	298	286	12.
16	286	298	299	287	12.
17	287	299	300	288	8.
18	290	302	303	291	12.
19	295	305	306	297	12.
20	297	306	307	298	12.
21	298	307	308	299	12.
22	299	308	309	300	8.
23	302	311	312	303	12.
24	305	317	318	305	12.
25	306	318	319	307	12.
26	307	319	320	308	12.
27	309	321	309		8.
28	311	324	325	312	12.
29	312	325	326	313	12.
30	313	326	327	314	12.
31	314	327	328	315	12.
32	315	328	329	316	12.
33	316	329	330	317	12.
34	317	330	331	318	12.
35	318	331	332	319	12.
36	319	332	333	320	12.
37	320	333	334	321	8.

38	322	335	335	323	12.
39	323	336	337	324	12.
40	324	337	338	325	12.
41	325	338	339	326	12.
42	325	339	340	327	12.
43	327	341	341	328	12.
44	328	341	342	329	12.
45	329	342	343	330	12.
46	330	343	344	331	12.
47	333	346	347	334	8.
48	335	348	349	336	12.
49	336	349	350	337	12.
50	339	352	353	340	12.
51	340	353	354	341	12.
52	341	354	355	342	12.
53	342	355	356	343	12.
54	348	357	358	349	12.
55	349	359	359	350	12.
56	351	360	361	352	12.
57	352	361	362	353	12.
58	353	362	363	354	12.
59	354	363	364	355	12.
60	355	364	365	356	12.
61	346	366	367	347	8.
62	357	369	369	358	12.
63	358	369	370	359	12.
6	47	1	370	359	12.
3.68E06	1	5.52E05	0.	3.63E06	0.
0	0	0	0	0	1.57E06
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1	267	372	371	266	14.
2	268	373	372	267	28.
3	269	374	373	268	28.
4	270	375	374	269	14.
5	271	376	375	270	14.
6	272	377	376	271	14.
7	273	377	377	272	14.
8	274	379	378	273	14.
9	275	380	379	274	14.
10	277	382	381	276	15.
11	278	383	382	277	14.
12	279	384	383	278	14.
13	281	386	385	280	12.
14	282	387	386	281	12.
15	283	389	387	282	12.
16	284	389	388	283	12.
17	285	390	389	284	12.
18	287	392	391	286	12.
19	291	395	394	290	10.
20	292	396	395	291	60.
21	293	397	396	292	60.
22	294	398	397	293	72.
23	295	399	398	294	72.
24	296	400	399	295	72.
25	312	417	416	311	12.
26	313	418	417	312	48.
27	314	419	418	313	48.
28	315	420	419	314	72.
29	316	421	420	315	72.

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30	317	422	421	315	72.
31	324	424	427	323	12.
32	327	431	430	326	14.
33	323	432	431	327	14.
34	329	433	432	328	14.
35	330	434	433	329	14.
36	331	435	434	330	14.
37	332	436	435	331	14.
38	333	437	436	332	14.
39	339	442	441	339	14.
40	340	443	442	339	14.
41	341	444	443	340	14.
42	342	445	444	341	14.
43	343	445	445	342	14.
44	344	447	446	343	14.
45	345	448	447	344	14.
46	351	452	451	350	12.
47	352	453	452	351	12.
6	35	1			
3.68E06	5.52E05	0	0	0.	1.57E06
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1	260	371	343	273	14.
2	257	372	344	279	14.
3	268	373	385	290	6.7
4	269	374	386	281	19.7
5	272	377	389	294	24.3
6	273	378	390	285	14.
7	274	379	391	286	12.
8	275	380	392	287	14.
9	276	381	393	289	14.
10	278	383	394	290	14.
11	279	384	395	291	30.
12	281	385	397	293	27.3
13	284	389	400	296	30.
14	285	390	401	297	12.5
15	287	392	403	299	14.
16	289	393	404	301	14.
17	290	394	405	302	14.
18	291	395	406	303	84.
19	293	397	408	304	36.
20	295	400	411	305	48.
21	297	401	412	306	12.3
22	299	403	414	308	14.
23	301	404	415	310	14.
24	302	405	416	311	14.
25	303	406	417	312	84.
26	304	408	419	314	36.
27	305	411	422	317	48.
28	308	414	423	318	13.
29	310	415	426	320	20.
30	311	416	427	324	14.
31	312	417	429	325	26.
32	314	419	431	327	20.4
33	317	422	434	330	30.
34	318	423	435	331	12.5
35	319	424	436	332	29.
36	320	425	437	333	12.
37	322	426	438	335	

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38	323	427	433	330	12.
39	324	428	440	337	14.
40	325	429	441	340	30.
41	327	431	443	340	30.
42	330	434	446	343	21.
43	331	435	447	344	12.
44	332	436	448	345	12.
45	335	439	449	346	12.
46	336	439	450	349	12.
47	337	440	451	350	14.
48	338	441	452	351	30.
49	339	442	453	352	24.
50	340	443	454	357	12.
51	349	450	455	358	12.
52	350	451	456	359	12.
53	357	454	457	360	12.
54	358	455	458	359	12.
55	359	456	459	370	12.
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2	372	394	345	373	12.
3	373	385	346	374	12.
4	374	390	347	375	12.
5	375	397	348	376	12.
6	376	398	349	377	12.
7	377	389	340	378	12.
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13	387	398	399	388	12.
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17	391	402	403	392	12.
18	394	405	406	395	78.
19	395	406	407	396	57.
20	396	407	408	397	57.
21	397	408	409	398	57.
22	398	409	410	399	57.
23	399	410	411	400	57.
24	400	411	412	401	90.
25	401	412	413	402	12.
26	402	413	414	403	12.
27	403	414	415	404	78.
28	404	415	416	405	57.
29	405	416	417	406	57.
30	406	417	418	407	57.
31	407	418	419	408	57.
32	408	419	420	409	57.
33	409	420	421	410	57.
34	410	421	422	411	90.
35	411	422	423	412	12.
36	412	423	424	413	12.
37	413	424	425	414	12.
38	414	425	426	415	78.
39	415	426	427	416	12.
40	416	427	428	417	12.
41	417	428	429	418	12.
42	418	429	430	419	12.
43	419	430	431	420	12.

38	419	411	432	420	12.
39	420	432	433	421	12.
40	421	433	434	422	12.
41	422	434	435	423	12.
42	423	435	436	424	12.
43	424	436	437	425	12.
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46	427	439	440	428	12.
47	428	440	441	429	12.
48	429	441	442	430	12.
49	430	442	443	431	12.
50	431	443	444	432	12.
51	432	444	445	433	12.
52	433	445	446	434	12.
53	434	446	447	435	12.
54	435	447	448	436	12.
55	436	448	449	437	12.
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65	446	458	459	447	12.
66	447	459	460	448	12.
67	448	460	461	449	12.
68	449	461	462	450	12.
69	450	462	463	451	12.
70	451	463	464	452	12.
71	452	464	465	453	12.
72	453	465	466	454	12.
73	454	466	467	455	12.
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101	482	494	495	483	12.
102	483	495	496	484	12.
103	484	496	497	485	12.
104	485	497	498	486	12.
105	486	498	499	487	12.
106	487	499	500	488	12.
107	488	500	501	489	12.
108	489	501	502	490	12.
109	490	502	503	491	12.
110	491	503	504	492	12.
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122	503	515	516	504	12.
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124	505	517	518	506	12.
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135	516	528	529	517	12.
136	517	529	530	518	12.
137	518	530	531	519	12.
138	519	531	532	520	12.
139	520	532	533	521	12.
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142	523	535	536	524	12.
143	524	536	537	525	12.
144	525	537	538	526	12.
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146	527	539	540	528	12.
147	528	540	541	529	12.
148	529	541	542	530	12.
149	530	542	543	531	12.
150	531	543	544	532	12.
151	532	544	545	533	12.
152	533	545	546	534	12.
153	534	546	547	535	12.
154	535	547	548	536	12.
155	536	548	549	537	12.
156	537	549	550	538	12.
157	538	550	551	539	12.
158	539	551	552	540	12.
159	540	552	553	541	12.
160	541	553	554	542	12.
161	542	554	555	543	12.
162	543	555	556	544	12.
163	544	556	557	545	12.
164	545	557	558	546	12.
165	546	558	559	547	12.
166	547	559	560	548	12.
167	548	560	561	549	12.
168	549	561	562	550	12.
169	550	562	563	551	12.
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171	552	564	565	553	12.
172	553	565	566	554	12.
173	554	566	567	555	12.
174	555	567	568	556	12.
175	556	568	569	557	12.
176	557	569	570	558	12.
177	558	570	571	559	12.
178	559	571	572	560	12.
179	560	572	573	561	12.
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182	563	575	576	564	12.
183	564	576	577	565	12.
184	565	577	578	566	12.
185	566	578	579	567	12.
186	567	579	580	568	12.
187	568	580	581	569	12.
188	569	581	582	570	12.
189	570	582	583	571	12.
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220	601	613	614	602	12.
221	602	614	615	603	12.
222	603	615	616	604	12.
223	604	616	617	605	12.
224	605	617	618	606	12.
225	606	618	619	607	12.
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227	608	620	621	609	12.
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229	610	622	623	611	12.
230	611	623	624	612	12.
231	612	624	625	613	12.
232	613	625	626	614	12.
233	614	626	627	615	12.
234	615	627	628	616	12.
235	616	628	629	617	12.
236	617	629	630	618	12.
237	618	630	631	619	12.
238	619	631	632	620	12.
239	620	632	633	621	12.
240	621	633	634	622	12.
241	622	634	635	623	12.
242	623	635	636	624	12.
243	624	636	637	625	12.
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245	626	638	639	627	12.
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247	628	640	641	629	12.
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255	636	648	649	637	12.
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270	651	663	664	652	12.
271	652	664	665	653	12.
272	653	665	666	654	12.
273	654	666	667	655	12.
274	655	667	668	656	12.
275	656	668	669	657	12.
276	657	669	670	65	

35	417	520	119	436	14.
36	412	523	122	441	14.
37	443	524	123	442	14.
38	444	525	124	443	14.
39	445	526	125	444	14.
40	446	527	126	445	14.
41	447	528	127	446	14.
42	448	529	128	447	14.
43	452	531	130	451	12.
44	453	532	131	452	12.
6	37	1			

3.68E06	5.52E05	0.	3.68E06	0.	1.57E06
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0	0	0	0	0	
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0	0	0	0	0	

1	371	460	472	383	14.
2	372	461	473	384	14.
3	374	463	475	386	15.9
4	377	466	478	389	17.5
5	378	467	479	390	14.
6	379	468	480	391	12.
7	380	469	481	392	14.
8	381	470	482	393	14.
9	385	474	483	396	10.
10	386	475	484	397	15.9
11	390	479	488	401	12.8
12	392	491	490	403	14.
13	393	482	491	404	12.
14	396	483	492	407	48.
15	397	494	493	408	41.2
16	399	496	495	410	46.
17	401	498	497	412	14.
18	403	499	499	414	28.
19	404	491	503	415	12.
20	407	492	501	418	48.
21	408	493	502	419	48.
22	410	495	504	421	43.
23	412	497	506	423	13.2
24	414	499	508	425	28.
25	415	500	509	426	12.
26	419	502	514	431	18.
27	423	506	518	435	11.7
28	425	508	520	437	28.
29	428	511	521	440	14.
30	429	512	522	441	13.
31	431	514	524	443	14.6
32	434	517	527	446	17.5
33	437	518	528	447	12.
34	436	519	529	448	14.
35	440	521	530	451	14.
36	441	522	531	452	18.
37	442	523	532	453	12.
6	39	1			

3.68E06	5.52E05	0.	3.68E06	0.	1.57E06
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0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	

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1	401	473	474	474	466	12.
2	402	474	475	475	453	12.
3	403	475	476	476	454	12.
4	404	476	477	477	455	12.
5	405	477	478	478	456	12.
6	406	478	479	479	457	12.
7	407	479	480	480	458	12.
8	408	480	481	481	459	12.
9	409	481	482	482	460	12.
10	410	482	483	483	461	12.
11	411	483	484	484	462	12.
12	412	484	485	485	463	12.
13	413	485	486	486	464	12.
14	414	486	487	487	465	12.
15	415	487	488	488	466	12.
16	416	488	489	489	467	12.
17	417	489	490	490	468	12.
18	418	490	491	491	469	12.
19	419	491	492	492	470	12.
20	420	492	493	493	471	12.
21	421	493	494	494	472	12.
22	422	494	495	495	473	12.
23	423	495	496	496	474	12.
24	424	496	497	497	475	12.
25	425	497	498	498	476	12.
26	426	498	499	499	477	12.
27	427	499	500	500	478	12.
28	428	500	501	501	479	12.
29	429	501	502	502	480	12.
30	430	502	503	503	481	12.
31	431	503	504	504	482	12.
32	432	504	505	505	483	12.
33	433	505	506	506	484	12.
34	434	506	507	507	485	12.
35	435	507	508	508	486	12.
36	436	508	509	509	487	12.
37	437	509	510	510	488	12.
38	438	510	511	511	489	12.
39	439	511	512	512	490	12.
40	440	512	513	513	491	12.
41	441	513	514	514	492	12.
42	442	514	515	515	493	12.
43	443	515	516	516	494	12.
44	444	516	517	517	495	12.
45	445	517	518	518	496	12.
46	446	518	519	519	497	12.
47	447	519	520	520	498	12.
48	448	520	521	521	499	12.
49	449	521	522	522	500	12.
50	450	522	523	523	501	12.
51	451	523	524	524	502	12.
52	452	524	525	525	503	12.
53	453	525	526	526	504	12.
54	454	526	527	527	505	12.
55	455	527	528	528	506	12.
56	456	528	529	529	507	12.
57	457	529	530	530	508	12.
58	458	530	531	531	509	12.
59	459	531	532	532	510	12.
60	460	532	533	533	511	12.
61	461	533	534	534	512	12.
62	462	534	535	535	513	12.
63	463	535	536	536	514	12.
64	464	536	537	537	515	12.
65	465	537	538	538	516	12.
66	466	538	539	539	517	12.
67	467	539	540	540	518	12.
68	468	540	541	541	519	12.
69	469	541	542	542	520	12.
70	470	542	543	543	521	12.
71	471	543	544	544	522	12.
72	472	544	545	545	523	12.
73	473	545	546	546	524	12.
74	474	546	547	547	525	12.
75	475	547	548	548	526	12.
76	476	548	549	549	527	12.
77	477	549	550	550	528	12.
78	478	550	551	551	529	12.
79	479	551	552	552	530	12.
80	480	552	553	553	531	12.
81	481	553	554	554	532	12.
82	482	554	555	555	533	12.
83	483	555	556	556	534	12.
84	484	556	557	557	535	12.
85	485	557	558	558	536	12.
86	486	558	559	559	537	12.
87	487	559	560	560	538	12.
88	488	560	561	561	539	12.
89	489	561	562	562	540	12.
90	490	562	563	563	541	12.
91	491	563	564	564	542	12.
92	492	564	565	565	543	12.
93	493	565	566	566	544	12.
94	494	566	567	567	545	12.
95	495	567	568	568	546	12.
96	496	568	569	569	547	12.
97	497	569	570	570	548	12.
98	498	570	571	571	549	12.
99	499	571	572	572	550	12.
100	500	572	573	573	551	12.

17	471	551	550	477	14.
18	479	552	551	470	14.
19	480	553	552	479	14.
20	481	554	553	486	14.
21	510	592	591	509	14.
22	511	593	592	510	14.
23	512	594	593	511	14.
24	513	595	594	512	14.
25	514	596	595	513	14.
26	515	597	596	514	14.
27	516	598	597	515	14.
28	517	599	598	516	14.
29	518	600	600	518	14.
30	520	602	601	519	14.
31	523	605	604	522	14.
32	524	606	605	523	14.
33	525	607	606	524	14.
34	526	608	607	525	14.
35	527	609	608	526	14.
36	528	610	609	527	14.
37	529	611	610	528	14.
38	531	613	612	530	12.
39	532	614	613	531	12.

3.68E06 5.52E05 0. 3.68E06 0. 1.57E06

1	460	533	545	472	14.
2	461	534	546	473	14.
3	464	537	549	476	6.
4	465	538	550	477	12.
5	467	540	552	479	6.
6	468	541	553	480	12.
7	469	542	554	481	12.
8	470	543	555	482	14.
9	475	548	560	484	12.
10	481	554	566	490	16.5
11	482	555	567	491	14.
12	484	560	572	493	12.
13	522	604	613	531	18.
14	490	566	578	499	14.
15	491	567	579	500	14.
16	493	572	584	502	12.
17	523	605	614	532	18.
18	499	578	590	503	12.
19	500	579	591	509	14.
20	502	584	596	514	12.
21	504	590	602	520	18.
22	511	593	603	521	14.
23	514	596	606	524	14.
24	516	600	610	528	15.4
25	519	601	611	529	12.
26	521	603	612	530	14.

3.68E06 5.52E05 0. 3.68E06 0. 1.57E06

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1	533	545	546	534	0	0	0
2	534	546	547	535	0	0	0
3	535	547	548	536	0	0	0
4	536	548	549	537	0	0	0
5	537	549	550	538	0	0	0
6	538	550	551	539	0	0	0
7	539	551	552	540	0	0	0
8	540	552	553	541	0	0	0
9	541	553	554	542	0	0	0
10	542	554	555	543	0	0	0
11	543	555	556	544	0	0	0
12	544	556	557	545	0	0	0
13	545	557	558	546	0	0	0
14	546	558	559	547	0	0	0
15	547	559	560	548	0	0	0
16	548	560	561	549	0	0	0
17	549	561	562	550	0	0	0
18	550	562	563	551	0	0	0
19	551	563	564	552	0	0	0
20	552	564	565	553	0	0	0
21	553	565	566	554	0	0	0
22	554	566	567	555	0	0	0
23	555	567	568	556	0	0	0
24	556	568	569	557	0	0	0
25	557	569	570	558	0	0	0
26	558	570	571	559	0	0	0
27	559	571	572	560	0	0	0
28	560	572	573	561	0	0	0
29	561	573	574	562	0	0	0
30	562	574	575	563	0	0	0
31	563	575	576	564	0	0	0
32	564	576	577	565	0	0	0
33	565	577	578	566	0	0	0
34	566	578	579	567	0	0	0
35	567	579	580	568	0	0	0
36	568	580	581	569	0	0	0
37	569	581	582	570	0	0	0
38	570	582	583	571	0	0	0
39	571	583	584	572	0	0	0
40	572	584	585	573	0	0	0
41	573	585	586	574	0	0	0
42	574	586	587	575	0	0	0
43	575	587	588	576	0	0	0
44	576	588	589	577	0	0	0
45	577	589	590	578	0	0	0
46	578	590	591	579	0	0	0
47	579	591	592	580	0	0	0
48	580	592	593	581	0	0	0
49	581	593	594	582	0	0	0
50	582	594	595	583	0	0	0
51	583	595	596	584	0	0	0
52	584	596	597	585	0	0	0
53	585	597	598	586	0	0	0
54	586	598	599	587	0	0	0
55	587	599	600	588	0	0	0
56	588	600	601	589	0	0	0
57	589	601	602	590	0	0	0
58	590	602	603	591	0	0	0
59	591	603	604	592	0	0	0
60	592	604	605	593	0	0	0
61	593	605	606	594	0	0	0
62	594	606	607	595	0	0	0
63	595	607	608	596	0	0	0
64	596	608	609	597	0	0	0
65	597	609	610	598	0	0	0
66	598	610	611	599	0	0	0
67	599	611	612	600	0	0	0

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62	603	612	613	554					
63	604	613	614	605					
2	13	2	0	1					
1	3.0E05			.15					
1	1344.			1344.					
2	2016.			2016.					
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	0		0						
1	158	277	323	1					
2	277	382	323	1					
3	382	471	323	1					
4	471	544	323	1					
5	544	610	168	1					
6	610	692	168	1					
7	692	768	182	1					
8	768	842	182	1					
9	842	915	182	1					
10	915	988	182	1					
11	988	1061	195	1					
12	1061	1134	195	1					
13	1134	1207	195	1					
14	1207	1280	195	1					
15	1280	1353	205	1					
16	1353	1426	205	1					
17	1426	1500	205	1					
18	1500	1573	206	1					
1	321.		321.						
2	493.		493.						
3	518.		518.						
4	593.		593.						
5	656.		656.						
6	774.		774.						
7	831.		831.						
8	883.		883.						
9	935.		935.						
10	983.		983.						
11	1007.		1007.						
12	1079.		1079.						
13	1133.		1133.						
14	1198.		1198.						
15	1250.		1250.						
16	1307.		1307.						
17	1340.		1340.						
18	1376.		1376.						
19	1407.		1407.						
20	1434.		1434.						
21	1463.		1463.						
22	1493.		1493.						
23	1517.		1517.						
24	1543.		1543.						
25	1570.		1570.						
26	1597.		1597.						
27	1624.		1624.						
28	1650.		1650.						
29	1677.		1677.						
30	1704.		1704.						
31	1731.		1731.						
32	1758.		1758.						
33	1785.		1785.						
34	1812.		1812.						
35	1839.		1839.						
36	1866.		1866.						

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37	932.	932.	933.
38	1335.	1335.	1335.
39	1070.	1070.	1070.
40	1462.	1462.	1462.
41	1457.	1457.	1457.
42	444.	444.	444.
43	530.	530.	530.
44	806.	806.	806.
45	1262.	1262.	1262.
46	1436.	1436.	1436.
47	2300.	2300.	2300.
48	2797.	2797.	2797.
49	2787.	2787.	2787.
50	1815.	1815.	1815.
51	583.	583.	583.
52	495.	495.	495.
53	744.	744.	744.
54	1273.	1273.	1273.
55	1374.	1374.	1374.
56	2103.	2103.	2103.
57	2492.	2492.	2492.
58	2488.	2488.	2488.
59	2068.	2068.	2068.
60	576.	576.	576.
61	186.	186.	186.
62	318.	318.	318.
63	618.	618.	618.
64	798.	798.	798.
65	570.	570.	570.
66	610.	610.	610.
67	744.	744.	744.
68	759.	759.	759.
69	830.	830.	830.
70	399.	399.	399.
71	192.	192.	192.
72	189.	189.	189.
73	347.	347.	347.
74	193.	193.	193.
75	312.	312.	312.
76	349.	349.	349.
77	463.	463.	463.
78	315.	315.	315.
79	498.	498.	498.
80	512.	512.	512.
81	534.	534.	534.
82	589.	589.	589.
83	344.	344.	344.
84	330.	330.	330.
85	256.	256.	256.
86	439.	439.	439.
87	425.	425.	425.
88	659.	659.	659.
89	430.	430.	430.
90	804.	804.	804.
91	1316.	1316.	1316.
92	763.	763.	763.
93	634.	634.	634.
94	418.	418.	418.
95	531.	531.	531.
96	357.	357.	357.
97	276.	276.	276.
98	477.	477.	477.
99	371.	371.	371.

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100	579.	579.	599.
101	573.	573.	573.
102	1423.	1423.	1423.
103	2233.	2233.	2233.
104	1693.	1693.	1693.
105	1400.	1400.	1400.
106	333.	333.	333.
107	133.	133.	133.
108	208.	208.	208.
109	171.	171.	171.
110	598.	598.	598.
111	392.	392.	392.
112	531.	531.	531.
113	532.	532.	532.
114	1648.	1648.	1648.
115	1943.	1943.	1943.
116	2001.	2001.	2001.
117	2033.	2033.	2033.
118	407.	407.	407.
119	230.	230.	230.
120	255.	255.	255.
121	509.	509.	509.
122	397.	397.	397.
123	843.	843.	843.
124	1143.	1143.	1143.
125	2926.	2926.	2926.
126	3227.	3227.	3227.
127	3152.	3152.	3152.
128	2614.	2614.	2614.
129	441.	441.	441.
130	241.	241.	241.
131	279.	279.	279.
132	384.	384.	384.
133	296.	296.	296.
134	485.	485.	485.
135	710.	710.	710.
136	1251.	1251.	1251.
137	1332.	1332.	1332.
138	1201.	1201.	1201.
139	1049.	1049.	1049.
140	449.	449.	449.
141	324.	324.	324.
142	155.	155.	155.
143	305.	305.	305.
144	374.	374.	374.
145	544.	544.	544.
146	399.	399.	399.
147	587.	587.	587.
148	538.	538.	538.
149	539.	539.	539.
150	685.	685.	685.
151	338.	338.	338.
152	177.	177.	177.
153	182.	182.	182.
154	292.	292.	292.
155	179.	179.	179.
156	180.	180.	180.
157	387.	387.	387.
158	568.	568.	568.
159	293.	293.	293.
160	614.	614.	614.
161	512.	512.	512.
162	522.	522.	522.

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103	295.	019.	019.
104	295.	280.	255.
105	333.	330.	338.
106	273.	273.	273.
107	280.	280.	280.
108	514.	514.	513.
109	495.	490.	490.
170	501.	501.	551.
171	291.	291.	291.
172	792.	792.	792.
173	780.	780.	700.
174	842.	842.	847.
175	788.	788.	788.
176	422.	422.	422.
177	450.	450.	450.
178	680.	680.	680.
179	235.	235.	235.
180	511.	511.	511.
181	539.	539.	539.
182	563.	563.	563.
183	1190.	1190.	1190.
184	935.	935.	935.
185	1624.	1624.	1624.
186	1614.	1614.	1614.
187	1782.	1782.	1782.
188	1509.	1509.	1509.
189	345.	345.	345.
190	200.	200.	200.
191	462.	462.	462.
192	249.	249.	249.
193	602.	602.	602.
194	681.	681.	681.
195	770.	770.	770.
196	1813.	1813.	1813.
197	1014.	1014.	1014.
198	871.	871.	871.
199	1144.	1144.	1144.
200	403.	403.	403.
201	248.	248.	248.
202	591.	591.	591.
203	319.	319.	319.
204	506.	506.	506.
205	687.	687.	687.
206	653.	653.	653.
207	1670.	1670.	1670.
208	1498.	1498.	1498.
209	2410.	2410.	2410.
210	1957.	1957.	1957.
211	1832.	1832.	1832.
212	1921.	1921.	1921.
213	452.	452.	452.
214	258.	258.	258.
215	598.	598.	598.
216	313.	313.	313.
217	408.	408.	408.
218	639.	639.	639.
219	367.	367.	367.
220	544.	544.	544.
221	302.	302.	302.
222	667.	667.	667.
223	554.	554.	554.
224	594.	594.	594.
225	661.	661.	661.

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229	214.	214.	214.
227	392.	392.	312.
228	401.	401.	401.
229	259.	259.	219.
230	374.	374.	374.
231	582.	582.	582.
232	403.	403.	403.
233	638.	638.	638.
234	377.	377.	377.
235	657.	657.	657.
236	574.	574.	574.
237	615.	615.	615.
238	792.	792.	792.
239	357.	357.	357.
240	231.	231.	231.
241	295.	295.	295.
242	302.	302.	302.
243	274.	274.	274.
244	144.	144.	144.
245	274.	274.	274.
246	384.	384.	384.
247	287.	287.	287.
248	173.	173.	173.
249	212.	212.	212.
250	224.	224.	224.
251	192.	192.	192.
252	467.	467.	467.
253	530.	530.	530.
254	223.	223.	223.
255	51.	51.	51.
256	124.	124.	124.
257	138.	138.	138.
258	166.	166.	166.
259	178.	178.	178.
260	115.	115.	115.
261	177.	177.	177.
262	180.	180.	180.
263	289.	289.	289.
264	375.	375.	375.
265	155.	155.	155.
266	304.	304.	304.
267	589.	589.	589.
268	471.	471.	471.
269	2213.	2213.	2213.
270	492.	492.	492.
271	509.	509.	509.
272	617.	617.	617.
273	322.	322.	322.
274	323.	323.	323.
275	248.	248.	248.
276	263.	263.	263.
277	182.	182.	182.
278	495.	495.	495.
279	648.	648.	648.
280	401.	401.	401.
281	808.	808.	808.
282	634.	634.	634.
283	671.	671.	671.
284	840.	840.	840.
285	426.	426.	426.
286	433.	433.	433.
287	618.	618.	618.
288	204.	204.	204.

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289	309	109	109
290	413	413	413
291	1354	1354	1354
292	814	814	814
293	1461	1461	1461
294	1444	1444	1444
295	1754	1754	1754
296	1609	1609	1609
297	317	317	317
298	224	224	224
299	416	416	416
300	136	136	136
301	373	373	373
302	324	324	324
303	1551	1551	1551
304	627	627	627
305	1023	1023	1023
306	392	392	392
307	279	279	279
308	608	608	608
309	255	255	255
310	390	390	390
311	361	361	361
312	1550	1550	1550
313	664	664	664
314	1700	1700	1700
315	1562	1562	1562
316	1631	1631	1631
317	1767	1767	1767
318	426	426	426
319	293	293	293
320	680	680	680
321	264	264	264
322	279	279	279
323	260	260	260
324	433	433	433
325	588	588	588
326	298	298	298
327	736	736	736
328	508	508	508
329	598	598	598
330	778	778	778
331	473	473	473
332	394	394	394
333	459	459	459
334	219	219	219
335	292	292	292
336	291	291	291
337	307	307	307
338	692	692	692
339	421	421	421
340	678	678	678
341	585	585	585
342	644	644	644
343	635	635	635
344	329	329	329
345	172	172	172
346	232	232	232
347	239	239	239
348	223	223	223
349	215	215	215
350	263	263	263
351	414	414	414

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352	323.	323.	323.
353	194.	194.	194.
354	223.	223.	223.
355	201.	201.	201.
356	390.	390.	390.
357	352.	352.	352.
358	298.	298.	298.
359	58.	58.	58.
360	133.	133.	133.
361	143.	143.	143.
362	173.	173.	173.
363	185.	185.	185.
364	143.	143.	143.
365	140.	140.	140.
366	143.	143.	143.
367	199.	199.	199.
368	195.	195.	195.
369	208.	208.	208.
370	285.	285.	285.
371	445.	445.	445.
372	364.	364.	364.
373	520.	520.	520.
374	457.	457.	457.
375	553.	553.	553.
376	666.	666.	666.
377	421.	421.	421.
378	398.	398.	398.
379	294.	294.	294.
380	183.	183.	183.
381	502.	502.	502.
382	625.	625.	625.
383	407.	407.	407.
384	904.	904.	904.
385	1094.	1094.	1094.
386	1134.	1134.	1134.
387	1405.	1405.	1405.
388	587.	587.	587.
389	408.	408.	408.
390	471.	471.	471.
391	488.	488.	488.
392	446.	446.	446.
393	1165.	1165.	1165.
394	1188.	1188.	1188.
395	1929.	1929.	1929.
396	1897.	1897.	1897.
397	2025.	2025.	2025.
398	1191.	1191.	1191.
399	576.	576.	576.
400	218.	218.	218.
401	309.	309.	309.
402	355.	355.	355.
403	705.	705.	705.
404	1919.	1919.	1919.
405	1531.	1531.	1531.
406	2089.	2089.	2089.
407	1414.	1414.	1414.
408	2021.	2021.	2021.
409	2021.	2021.	2021.
410	2021.	2021.	2021.
411	1029.	1029.	1029.
412	281.	281.	281.
413	564.	564.	564.
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417	414.	414.	414.
416	634.	634.	634.
417	1039.	1039.	1039.
418	1479.	1479.	1479.
419	2435.	2435.	2435.
420	2646.	2646.	2646.
421	2270.	2270.	2270.
422	2070.	2070.	2070.
423	525.	525.	525.
424	304.	304.	304.
425	693.	693.	693.
426	283.	283.	283.
427	305.	305.	305.
428	525.	525.	525.
429	745.	745.	745.
430	423.	423.	423.
431	900.	900.	900.
432	781.	781.	781.
433	615.	615.	615.
434	915.	915.	915.
435	529.	529.	529.
436	455.	455.	455.
437	376.	376.	376.
438	181.	181.	181.
439	230.	230.	230.
440	407.	407.	407.
441	695.	695.	695.
442	434.	434.	434.
443	579.	579.	579.
444	537.	537.	537.
445	545.	545.	545.
446	633.	633.	633.
447	348.	348.	348.
448	205.	205.	205.
449	141.	141.	141.
450	165.	165.	165.
451	291.	291.	291.
452	410.	410.	410.
453	252.	252.	252.
454	244.	244.	244.
455	272.	272.	272.
456	194.	194.	194.
457	133.	133.	133.
458	189.	189.	189.
459	136.	136.	136.
460	344.	344.	344.
461	407.	407.	407.
462	285.	285.	285.
463	477.	477.	477.
464	470.	470.	470.
465	579.	579.	579.
466	582.	582.	582.
467	389.	389.	389.
468	410.	410.	410.
469	302.	302.	302.
470	263.	263.	263.
471	214.	214.	214.
472	421.	421.	421.
473	457.	457.	457.
474	312.	312.	312.
475	570.	570.	570.
476	593.	593.	593.
477	646.	646.	646.

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478	670.	273.	670.
479	436.	436.	436.
480	476.	476.	476.
481	499.	499.	499.
482	342.	342.	342.
483	462.	462.	462.
484	1228.	1228.	1228.
485	1148.	1148.	1148.
486	814.	814.	814.
487	313.	313.	313.
488	281.	281.	281.
489	339.	339.	339.
490	473.	473.	473.
491	401.	401.	401.
492	1426.	1426.	1426.
493	2174.	2174.	2174.
494	1146.	1146.	1146.
495	1581.	1581.	1581.
496	730.	730.	730.
497	376.	376.	376.
498	390.	390.	390.
499	874.	874.	874.
500	418.	418.	418.
501	1312.	1312.	1312.
502	2511.	2511.	2511.
503	1634.	1634.	1634.
504	1562.	1562.	1562.
505	723.	723.	723.
506	362.	362.	362.
507	288.	288.	288.
508	828.	828.	828.
509	244.	244.	244.
510	101.	101.	101.
511	402.	402.	402.
512	419.	419.	419.
513	353.	353.	353.
514	777.	777.	777.
515	647.	647.	647.
516	693.	693.	693.
517	591.	591.	591.
518	464.	464.	464.
519	470.	470.	470.
520	346.	346.	346.
521	380.	380.	380.
522	529.	529.	529.
523	401.	401.	401.
524	577.	577.	577.
525	554.	554.	554.
526	585.	585.	585.
527	622.	622.	622.
528	375.	375.	375.
529	222.	222.	222.
530	142.	142.	142.
531	200.	200.	200.
532	126.	126.	126.
533	150.	150.	150.
534	192.	192.	192.
535	121.	121.	121.
536	207.	207.	207.
537	225.	225.	225.
538	252.	252.	252.
539	192.	192.	192.
540	121.	121.	121.

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541	175.	175.	175.
542	151.	151.	151.
543	169.	169.	169.
544	510.	510.	510.
545	625.	625.	625.
546	729.	729.	729.
547	567.	567.	567.
548	415.	415.	415.
549	980.	980.	980.
550	1131.	1131.	1131.
551	927.	927.	927.
552	603.	603.	603.
553	635.	635.	635.
554	313.	313.	313.
555	229.	229.	229.
556	342.	342.	342.
557	220.	220.	220.
558	282.	282.	282.
559	451.	451.	451.
560	281.	281.	281.
561	298.	298.	298.
562	472.	472.	472.
563	294.	294.	294.
564	150.	150.	150.
565	545.	545.	545.
566	667.	667.	667.
567	648.	648.	648.
568	557.	557.	557.
569	500.	500.	500.
570	967.	967.	967.
571	1113.	1113.	1113.
572	910.	910.	910.
573	603.	603.	603.
574	572.	572.	572.
575	161.	161.	161.
576	230.	230.	230.
577	299.	299.	299.
578	262.	262.	262.
579	343.	343.	343.
580	346.	346.	346.
581	366.	366.	366.
582	331.	331.	331.
583	219.	219.	219.
584	122.	122.	122.
585	133.	133.	133.
586	227.	227.	227.
587	126.	126.	126.

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*** FREE PROCESS BUILDING--DYNAMIC ANALYSIS--REVISED

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.01	.2924
.0334	.2924
.05	.295
.0667	.312
.1	.33
.125	.407
.1429	.45
.1667	.52
.3	.52

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APPENDIX C

SAP-V OUTPUT DATA

RESPONSE SPECTRUM ANALYSIS

SQUARE ROOT OF THE SUM OF THE SQUARES OF THE MODAL DEFLECTIONS
DISPLACEMENTS/ROTATIONS OF UNRESTRAINED NODES

NODE NUMBER	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X ROTATION	Y ROTATION	Z ROTATION
75	1.31424E-02	8.99410E-03	9.34601E-03	0.	0.	0.
76	1.97109E-02	8.51940E-03	1.30798E-02	0.	0.	0.
77	1.74165E-02	8.28293E-03	1.48800E-02	0.	0.	0.
78	1.92559E-02	8.62500E-03	1.26908E-02	0.	0.	0.
79	1.82071E-02	8.80436E-03	1.38206E-02	0.	0.	0.
80	1.00868E-02	9.57595E-03	6.21239E-03	0.	0.	0.
81	1.39778E-02	1.10011E-02	6.09632E-03	0.	0.	0.
82	2.23794E-02	1.32820E-02	1.44218E-02	0.	0.	0.
83	2.79475E-02	1.29940E-02	1.53519E-02	0.	0.	0.
84	2.91554E-02	1.22720E-02	1.46564E-02	0.	0.	0.
85	5.05334E-02	1.14512E-02	1.95870E-02	0.	0.	0.
86	1.27342E-02	1.23477E-02	5.86005E-03	0.	0.	0.
87	1.53742E-02	9.03177E-03	5.63179E-03	0.	0.	0.
88	1.34213E-02	7.02470E-03	2.10318E-03	0.	0.	0.
89	1.74129E-02	6.40835E-03	2.04252E-03	0.	0.	0.
90	1.77066E-02	6.32693E-03	2.97608E-03	0.	0.	0.
91	7.38359E-03	3.11612E-03	3.05654E-03	0.	0.	0.
92	1.41197E-02	8.05939E-03	3.87025E-03	0.	0.	0.
93	2.05491E-02	1.07421E-02	3.55483E-03	0.	0.	0.
94	2.78301E-02	1.44836E-02	4.82439E-03	0.	0.	0.
95	3.25841E-02	1.72209E-02	3.62749E-03	0.	0.	0.
96	5.83751E-02	2.09083E-02	1.31662E-02	0.	0.	0.
97	2.05644E-02	5.00498E-03	8.21259E-03	0.	0.	0.
98	1.26603E-02	4.59351E-03	1.69711E-03	0.	0.	0.
99	1.26257E-02	4.58982E-03	2.51307E-03	0.	0.	0.
100	1.19965E-02	5.21978E-03	3.35996E-03	0.	0.	0.
101	1.60223E-02	5.58709E-03	4.41898E-03	0.	0.	0.
102	1.83549E-02	5.91251E-03	5.84201E-03	0.	0.	0.
103	8.10015E-03	3.69806E-03	7.33904E-04	0.	0.	0.
104	1.39293E-02	7.93043E-03	2.97523E-03	0.	0.	0.
105	2.24666E-02	9.40897E-03	9.07867E-03	0.	0.	0.
106	2.83576E-02	1.20288E-02	2.91891E-03	0.	0.	0.
107	3.73970E-02	1.32152E-02	3.36156E-04	0.	0.	0.
108	6.95908E-02	1.38093E-02	2.19029E-02	0.	0.	0.
109	1.99918E-02	4.04493E-03	5.56635E-03	0.	0.	0.
110	1.87140E-02	4.13262E-03	4.50411E-03	0.	0.	0.
111	2.02647E-02	4.70692E-03	4.47806E-03	0.	0.	0.
112	2.00101E-02	4.86482E-03	6.03595E-03	0.	0.	0.
113	1.63543E-02	4.95794E-03	5.55595E-03	0.	0.	0.
114	1.82767E-02	5.00708E-03	2.09000E-03	0.	0.	0.
115	9.19238E-03	4.32740E-03	9.07537E-04	0.	0.	0.
116	1.28873E-02	5.59223E-03	1.54695E-03	0.	0.	0.
117	2.18872E-02	8.55588E-03	4.54258E-03	0.	0.	0.
118	2.85550E-02	9.34793E-03	2.49275E-03	0.	0.	0.
119	3.98138E-02	9.72060E-03	2.70175E-04	0.	0.	0.
120	7.47338E-02	1.01835E-02	2.73783E-02	0.	0.	0.
121	1.90890E-02	7.74188E-03	1.79480E-03	0.	0.	0.
122	2.02328E-02	7.13777E-03	2.27278E-03	0.	0.	0.
123	1.95835E-02	6.75492E-03	3.04459E-03	0.	0.	0.
124	1.87312E-02	6.46667E-03	5.59394E-03	0.	0.	0.
125	1.95452E-02	6.40759E-03	5.32472E-03	0.	0.	0.
126	1.07675E-02	5.81995E-03	1.49783E-03	0.	0.	0.
127	1.22803E-02	5.96282E-03	1.62431E-03	0.	0.	0.

128	2.06998E-02	7.53066E-03	8.22564E-03	0.	0.	0.
129	2.67555E-02	1.16423E-02	3.59090E-03	0.	0.	0.
130	3.82349E-02	1.36260E-02	4.20797E-04	0.	0.	0.
131	8.11913E-02	1.62489E-02	3.34353E-02	0.	0.	0.
132	1.99974E-02	8.13034E-03	2.69272E-03	0.	0.	0.
133	2.08115E-02	6.82910E-03	3.17818E-03	0.	0.	0.
134	1.78368E-02	5.18787E-03	3.16043E-03	0.	0.	0.
135	1.27313E-02	4.03394E-03	4.69432E-04	0.	0.	0.
136	1.27515E-02	3.64499E-03	1.33570E-03	0.	0.	0.
137	6.22334E-03	3.24850E-03	7.71567E-04	0.	0.	0.
138	6.46221E-03	3.52560E-03	6.26480E-04	0.	0.	0.
139	1.50571E-02	7.61386E-03	2.81489E-03	0.	0.	0.
140	2.46501E-02	2.08108E-02	7.06773E-03	0.	0.	0.
141	3.28800E-02	2.93776E-02	7.77481E-03	0.	0.	0.
142	8.44762E-02	4.35281E-02	4.05807E-02	0.	0.	0.
143	2.09289E-02	1.44883E-02	1.06215E-02	0.	0.	0.
144	2.08025E-02	1.36684E-02	6.67589E-03	0.	0.	0.
145	1.81438E-02	9.95240E-03	8.93028E-03	0.	0.	0.
146	1.70682E-02	9.04441E-03	5.38261E-03	0.	0.	0.
147	1.54176E-02	8.70125E-03	1.24939E-02	0.	0.	0.
148	5.99719E-03	8.15281E-03	5.08736E-03	0.	0.	0.
149	6.15415E-03	8.94261E-03	4.71154E-03	0.	0.	0.
150	1.76590E-02	1.05374E-02	1.30502E-02	0.	0.	0.
151	3.36519E-02	9.57226E-03	1.69819E-02	0.	0.	0.
152	3.08681E-02	8.99379E-03	1.94100E-02	0.	0.	0.
153	2.14272E-02	1.85862E-02	1.81582E-02	0.	0.	0.
154	1.92074E-02	1.71407E-02	1.71629E-02	0.	0.	0.
155	1.87581E-02	1.61655E-02	1.67413E-02	0.	0.	0.
156	2.06919E-02	1.09775E-02	1.00108E-02	0.	0.	0.
157	3.70089E-02	1.28396E-02	2.13824E-02	0.	0.	0.
158	3.47119E-02	1.50425E-02	2.22537E-02	0.	0.	0.
159	3.2283E-02	1.58001E-02	1.79198E-02	0.	0.	0.
160	3.51101E-02	1.61014E-02	2.15825E-02	0.	0.	0.
161	2.29916E-02	1.71856E-02	1.01572E-02	0.	0.	0.
162	2.50581E-02	1.88151E-02	1.00619E-02	0.	0.	0.
163	4.27878E-02	2.15564E-02	2.19423E-02	0.	0.	0.
164	4.84069E-02	2.15473E-02	2.29523E-02	0.	0.	0.
165	5.00254E-02	2.09237E-02	2.29162E-02	0.	0.	0.
166	8.15004E-02	2.01402E-02	2.62423E-02	0.	0.	0.
167	3.90585E-02	1.89277E-02	3.07902E-02	0.	0.	0.
168	2.36727E-02	1.81106E-02	1.04893E-02	0.	0.	0.
169	3.85665E-02	1.66509E-02	9.69599E-03	0.	0.	0.
170	3.46756E-02	1.52462E-02	4.35495E-03	0.	0.	0.
171	3.30771E-02	1.43114E-02	3.90675E-03	0.	0.	0.
172	3.24909E-02	1.34981E-02	3.62764E-03	0.	0.	0.
173	2.13864E-02	1.31900E-02	4.05400E-03	0.	0.	0.
174	2.31978E-02	1.51031E-02	4.69432E-03	0.	0.	0.
175	4.08804E-02	1.93210E-02	7.22447E-03	0.	0.	0.
176	4.79045E-02	2.65948E-02	7.52593E-03	0.	0.	0.
177	5.22873E-02	2.92143E-02	6.45144E-03	0.	0.	0.
178	8.44514E-02	4.02651E-02	1.62700E-02	0.	0.	0.
179	1.86967E-01	5.68932E-02	1.36772E-02	0.	0.	0.
180	3.74671E-02	1.02301E-02	1.30112E-02	0.	0.	0.
181	2.75104E-02	9.57943E-03	1.91885E-03	0.	0.	0.
182	4.07524E-02	1.25214E-02	1.07053E-02	0.	0.	0.
183	3.87243E-02	1.26079E-02	1.16559E-02	0.	0.	0.
184	3.38475E-02	1.22780E-02	8.41531E-03	0.	0.	0.
185	3.28548E-02	1.19307E-02	1.00607E-02	0.	0.	0.
186	1.97705E-02	1.17688E-02	2.76236E-03	0.	0.	0.
187	2.30268E-02	1.29677E-02	4.30731E-03	0.	0.	0.
188	3.74384E-02	1.46589E-02	1.35902E-02	0.	0.	0.

189	4.78946E-02	1.94113E-02	5.05689E-03	0.	0.
190	5.67514E-02	2.18449E-02	4.51048E-02	0.	0.
191	8.68595E-02	2.57795E-02	2.37255E-02	0.	0.
192	1.86396E-01	3.25903E-02	4.98071E-03	0.	0.
193	3.80023E-02	8.83018E-03	9.15697E-03	0.	0.
194	3.13389E-02	8.04589E-03	5.00835E-03	0.	0.
195	3.90980E-02	9.76631E-03	6.66493E-03	0.	0.
196	3.80773E-02	1.04196E-02	7.87381E-03	0.	0.
197	3.19427E-02	1.00727E-02	6.76876E-03	0.	0.
198	3.50855E-02	9.51055E-03	4.46560E-03	0.	0.
199	3.88482E-02	1.17577E-02	6.05553E-03	0.	0.
200	4.77229E-02	1.49336E-02	4.34353E-03	0.	0.
201	5.83981E-02	1.62921E-02	5.68416E-02	0.	0.
202	8.9325E-02	1.84663E-02	2.98039E-02	0.	0.
203	1.87823E-01	2.13312E-02	1.46137E-03	0.	0.
204	4.42741E-02	1.21261E-02	1.80903E-02	0.	0.
205	3.25859E-02	1.18029E-02	2.20558E-03	0.	0.
206	3.75451E-02	1.12358E-02	3.69633E-03	0.	0.
207	3.49430E-02	1.15568E-02	8.54761E-03	0.	0.
208	2.75970E-02	1.14729E-02	6.80787E-03	0.	0.
209	2.73392E-02	1.09059E-02	7.72554E-03	0.	0.
210	1.64056E-02	1.10089E-02	2.26836E-03	0.	0.
211	2.26918E-02	1.15426E-02	3.15368E-03	0.	0.
212	3.63951E-02	1.18678E-02	1.24350E-02	0.	0.
213	4.68070E-02	1.72496E-02	5.83640E-03	0.	0.
214	5.82203E-02	1.97685E-02	4.39889E-02	0.	0.
215	9.51397E-02	2.58940E-02	3.79146E-02	0.	0.
216	1.95217E-01	3.79659E-02	7.65852E-04	0.	0.
217	4.89621E-02	1.82145E-02	2.06330E-02	0.	0.
218	3.57535E-02	1.81324E-02	5.07526E-03	0.	0.
219	3.73042E-02	1.62387E-02	5.67425E-03	0.	0.
220	3.23063E-02	1.48754E-02	4.31948E-03	0.	0.
221	3.64287E-02	1.39958E-02	3.07701E-03	0.	0.
222	3.39199E-02	1.35801E-02	3.48517E-03	0.	0.
223	2.18937E-02	1.33533E-02	5.67455E-03	0.	0.
224	2.57735E-02	1.37677E-02	3.66960E-03	0.	0.
225	3.97642E-02	1.80760E-02	4.76842E-03	0.	0.
226	4.49847E-02	2.48433E-02	9.62472E-03	0.	0.
227	5.49616E-02	3.11232E-02	1.19004E-02	0.	0.
228	9.99431E-02	4.32504E-02	4.13703E-02	0.	0.
229	2.02652E-01	7.11268E-02	9.01544E-04	0.	0.
230	5.65161E-02	3.29716E-02	2.18211E-02	0.	0.
231	4.14586E-02	3.00056E-02	1.33870E-02	0.	0.
232	3.90903E-02	2.48916E-02	1.11738E-02	0.	0.
233	3.47630E-02	1.79402E-02	1.46545E-02	0.	0.
234	3.93199E-02	1.58781E-02	1.03354E-02	0.	0.
235	3.61898E-02	1.56843E-02	2.01821E-02	0.	0.
236	2.57696E-02	1.59432E-02	9.23462E-03	0.	0.
237	2.86064E-02	1.61281E-02	8.54577E-03	0.	0.
238	4.29242E-02	1.68639E-02	2.08697E-02	0.	0.
239	4.37314E-02	1.60598E-02	2.57982E-02	0.	0.
240	5.39223E-02	1.57338E-02	2.78340E-02	0.	0.
241	1.09965E-01	1.19309E-01	1.63129E-02	0.	0.
242	2.10329E-01	1.22292E-01	9.69304E-04	0.	0.
243	6.08385E-02	4.75301E-02	2.30356E-02	0.	0.
244	4.50067E-02	4.56140E-02	1.29409E-02	0.	0.
245	4.22184E-02	3.43624E-02	2.40016E-02	0.	0.
246	3.59651E-02	2.73493E-02	2.42563E-02	0.	0.
247	3.97939E-02	2.42937E-02	2.23604E-02	0.	0.
248	3.62712E-02	2.10201E-02	2.62592E-03	0.	0.
249	2.69229E-02	1.98170E-02	6.10773E-04	0.	0.

250	2.89221E-02	2.04044E-02	1.11868E-03	0.	0.
251	4.64752E-02	2.16144E-02	2.73209E-02	0.	0.
252	6.40922E-02	6.62321E-02	2.51173E-02	0.	0.
253	4.72812E-02	6.53168E-02	1.46914E-02	0.	0.
254	4.69867E-02	6.43076E-02	3.14140E-02	0.	0.
255	3.65675E-02	2.46874E-02	4.17629E-02	0.	0.
256	4.05384E-02	2.47157E-02	3.53450E-02	0.	0.
257	3.64174E-02	2.48303E-02	2.36379E-02	0.	0.
258	2.75232E-02	2.35002E-02	9.68479E-03	0.	0.
259	2.93778E-02	2.52220E-02	1.24829E-02	0.	0.
260	4.75273E-02	2.73426E-02	4.00352E-02	0.	0.
261	1.12416E-01	1.87447E-01	6.13777E-03	0.	0.
262	2.13195E-01	1.87840E-01	5.29902E-03	0.	0.
263	6.70065E-02	1.15204E-01	3.27453E-02	0.	0.
264	4.92451E-02	1.15057E-01	2.27828E-02	0.	0.
265	5.16158E-02	1.15472E-01	4.56395E-02	0.	0.
266	6.14515E-02	3.18700E-02	3.18577E-02	0.	0.
267	6.83844E-02	3.20160E-02	2.98454E-02	0.	0.
268	7.48625E-02	3.25939E-02	2.88749E-02	0.	0.
269	7.68159E-02	3.30111E-02	2.91365E-02	0.	0.
270	9.32686E-02	3.31497E-02	1.85478E-02	0.	0.
271	9.68117E-02	3.42436E-02	1.86546E-02	0.	0.
272	8.58547E-02	3.71480E-02	2.92984E-02	0.	0.
273	8.93633E-02	3.77700E-02	3.35387E-02	0.	0.
274	8.98763E-02	3.74789E-02	3.37044E-02	0.	0.
275	1.21636E-01	3.71493E-02	3.33863E-02	0.	0.
276	6.93908E-02	2.98313E-02	3.34352E-02	0.	0.
277	1.47772E-01	2.86199E-02	1.80680E-02	0.	0.
278	6.14541E-02	2.74964E-02	1.26249E-02	0.	0.
279	6.93772E-02	2.67241E-02	8.37114E-03	0.	0.
280	7.44928E-02	2.65472E-02	8.79374E-03	0.	0.
281	7.72175E-02	2.67685E-02	6.12552E-03	0.	0.
282	9.29638E-02	2.75357E-02	6.86303E-03	0.	0.
283	9.61947E-02	2.91830E-02	6.86303E-03	0.	0.
284	8.75882E-02	3.46321E-02	8.62862E-03	0.	0.
285	8.85721E-02	4.00831E-02	1.22976E-02	0.	0.
286	9.16233E-02	4.27274E-02	1.06589E-02	0.	0.
287	1.21126E-01	4.74152E-02	2.06590E-02	0.	0.
288	1.89451E-01	5.38834E-02	1.37132E-02	0.	0.
289	6.86469E-02	2.63289E-01	1.90857E-02	0.	0.
290	6.23399E-02	2.35749E-02	1.28111E-02	0.	0.
291	6.85645E-02	2.43707E-02	1.42993E-02	0.	0.
292	7.62386E-02	2.40404E-02	1.23400E-02	0.	0.
293	7.34680E-02	2.39764E-02	1.34967E-02	0.	0.
294	9.35098E-02	2.47973E-02	7.31744E-03	0.	0.
295	9.72868E-02	2.57744E-02	8.94294E-03	0.	0.
296	8.60020E-02	2.80908E-02	1.49994E-02	0.	0.
297	8.78499E-02	3.31021E-02	9.14442E-03	0.	0.
298	9.56675E-02	3.44968E-02	5.21492E-02	0.	0.
299	1.20997E-01	3.67517E-02	2.69619E-02	0.	0.
300	1.89428E-01	3.95175E-02	6.08832E-03	0.	0.
301	6.75869E-02	3.58160E-01	1.37116E-02	0.	0.
302	6.28864E-02	2.65928E-02	8.19737E-03	0.	0.
303	6.69994E-02	2.73000E-02	8.59181E-03	0.	0.
304	6.98585E-02	2.16410E-02	6.39941E-03	0.	0.
305	8.09514E-02	2.88663E-02	8.29540E-03	0.	0.
306	8.73646E-02	2.94135E-02	8.01461E-03	0.	0.
307	9.63893E-02	3.00371E-02	6.79125E-02	0.	0.
308	1.21878E-01	3.14555E-02	3.30674E-02	0.	0.
309	1.90707E-01	3.22533E-02	2.11493E-03	0.	0.
310	6.67307E-02	2.41644E-01	2.07664E-02	0.	0.

311	6.28758E-02	2.76482E-02	6.22623E-03	0.	0.
312	6.81391E-02	2.60848E-02	1.10494E-02	0.	0.
313	7.77514E-02	2.52760E-02	7.66087E-03	0.	0.
314	7.86421E-02	2.64696E-02	8.52110E-03	0.	0.
315	8.74370E-02	2.40125E-02	5.07607E-03	0.	0.
316	9.34609E-02	2.33882E-02	7.15050E-03	0.	0.
317	8.41507E-02	2.44556E-02	1.44737E-02	0.	0.
318	8.62530E-02	2.79328E-02	9.58498E-03	0.	0.
319	9.53530E-02	2.94084E-02	5.68552E-02	0.	0.
320	1.22003E-01	3.28473E-02	4.41944E-02	0.	0.
321	1.96988E-01	3.87208E-02	1.95678E-03	0.	0.
322	6.76916E-02	2.56908E-02	2.58688E-02	0.	0.
323	6.03969E-02	2.60030E-02	1.04490E-02	0.	0.
324	6.21607E-02	2.70665E-02	7.57743E-03	0.	0.
325	6.74407E-02	2.87546E-02	6.63941E-03	0.	0.
326	8.16697E-02	2.90098E-02	9.89165E-03	0.	0.
327	8.16762E-02	2.91177E-02	1.02116E-02	0.	0.
328	8.18979E-02	2.90704E-02	1.32044E-02	0.	0.
329	9.10670E-02	2.59517E-02	6.79455E-03	0.	0.
330	8.43356E-02	2.76992E-02	7.49189E-03	0.	0.
331	8.48648E-02	3.10931E-02	1.47973E-02	0.	0.
332	9.43465E-02	3.45987E-02	1.94023E-02	0.	0.
333	1.19400E-01	4.31672E-02	4.84849E-02	0.	0.
334	2.03984E-01	6.43395E-02	2.16202E-03	0.	0.
335	6.98604E-02	4.73090E-02	2.62676E-02	0.	0.
336	6.01835E-02	4.29089E-02	1.43284E-02	0.	0.
337	6.24942E-02	3.98901E-02	1.87134E-02	0.	0.
338	6.53147E-02	3.33701E-02	2.12773E-02	0.	0.
339	7.50892E-02	3.18823E-02	2.02805E-02	0.	0.
340	8.12652E-02	3.04658E-02	2.65032E-02	0.	0.
341	8.67522E-02	2.72891E-02	1.85131E-02	0.	0.
342	9.02120E-02	2.67297E-02	1.66202E-02	0.	0.
343	8.06775E-02	2.71419E-02	2.83835E-02	0.	0.
344	8.41704E-02	2.73459E-02	3.81181E-02	0.	0.
345	9.42762E-02	2.73382E-02	4.14973E-02	0.	0.
346	1.08936E-01	1.12168E-01	2.24998E-02	0.	0.
347	2.14511E-01	1.13810E-01	2.06731E-03	0.	0.
348	7.14705E-02	6.55131E-02	2.71426E-02	0.	0.
349	6.02837E-02	6.20132E-02	1.59086E-02	0.	0.
350	6.39395E-02	5.19014E-02	3.05340E-02	0.	0.
351	6.55013E-02	4.33294E-02	3.27639E-02	0.	0.
352	7.49960E-02	3.81450E-02	3.04227E-02	0.	0.
353	8.06525E-02	3.30543E-02	4.93901E-02	0.	0.
354	8.79007E-02	2.80906E-02	4.48587E-02	0.	0.
355	9.02507E-02	2.68961E-02	3.61946E-02	0.	0.
356	7.82212E-02	2.65190E-02	3.30542E-02	0.	0.
357	7.29163E-02	8.75148E-02	2.92483E-02	0.	0.
358	6.05802E-02	8.53721E-02	1.80769E-02	0.	0.
359	6.47336E-02	8.45142E-02	3.58694E-02	0.	0.
360	6.64748E-02	3.78623E-02	4.40100E-02	0.	0.
361	7.41051E-02	3.63875E-02	3.67599E-02	0.	0.
362	8.05397E-02	3.38830E-02	2.53539E-02	0.	0.
363	8.80413E-02	2.84565E-02	1.01066E-02	0.	0.
364	9.00234E-02	2.63589E-02	1.30484E-02	0.	0.
365	7.7659E-02	2.60290E-02	4.17672E-02	0.	0.
366	1.06877E-01	1.84624E-01	6.68966E-03	0.	0.
367	2.17968E-01	1.84778E-01	6.38070E-03	0.	0.
368	7.44889E-02	1.40870E-01	3.85907E-02	0.	0.
369	6.09441E-02	1.40573E-01	2.95663E-02	0.	0.
370	6.55537E-02	1.42002E-01	5.25407E-02	0.	0.
371	8.43414E-02	4.19210E-02	3.98981E-02	0.	0.

372	8.72106E-02	4.10755E-02	3.44466E-02	0.	0.
373	9.11845E-02	4.09147E-02	3.09100E-02	0.	0.
374	9.59244E-02	4.15571E-02	3.09609E-02	0.	0.
375	1.06733E-01	4.36188E-02	2.44901E-02	0.	0.
376	1.10311E-01	4.50256E-02	2.46498E-02	0.	0.
377	1.09618E-01	4.79522E-02	3.27124E-02	0.	0.
378	1.16623E-01	4.88988E-02	3.81966E-02	0.	0.
379	1.20324E-01	4.86643E-02	3.93105E-02	0.	0.
380	1.46833E-01	4.85207E-02	4.35897E-02	0.	0.
381	9.11478E-02	3.98078E-02	3.50798E-02	0.	0.
382	1.88142E-01	3.88290E-02	2.15523E-02	0.	0.
383	8.02078E-02	3.79236E-02	1.43645E-02	0.	0.
384	8.24097E-02	3.80533E-02	1.19582E-02	0.	0.
385	9.20040E-02	3.78556E-02	1.62548E-02	0.	0.
386	9.44378E-02	3.72243E-02	1.46804E-02	0.	0.
387	1.06139E-01	3.79296E-02	8.92423E-03	0.	0.
388	1.09703E-01	3.95414E-02	1.08060E-02	0.	0.
389	1.05533E-01	4.35144E-02	1.00931E-02	0.	0.
390	1.15881E-01	4.57032E-02	1.54078E-02	0.	0.
391	1.20800E-01	4.91186E-02	1.34975E-02	0.	0.
392	1.45201E-01	5.15737E-02	2.67383E-02	0.	0.
393	8.97939E-02	3.39378E-01	2.22367E-02	0.	0.
394	7.66194E-02	3.09139E-02	1.17672E-02	0.	0.
395	8.03170E-02	3.03187E-02	1.35974E-02	0.	0.
396	9.21173E-02	3.07301E-02	1.42136E-02	0.	0.
397	9.37167E-02	3.10669E-02	1.32307E-02	0.	0.
398	1.03314E-01	3.18066E-02	9.00036E-03	0.	0.
399	1.07866E-01	3.20905E-02	1.16928E-02	0.	0.
400	1.01435E-01	3.44356E-02	1.30590E-02	0.	0.
401	1.13286E-01	3.73528E-02	1.18430E-02	0.	0.
402	1.22020E-01	3.91010E-02	7.10952E-02	0.	0.
403	1.44082E-01	4.09184E-02	2.94043E-02	0.	0.
404	8.76469E-02	4.37226E-01	1.64004E-02	0.	0.
405	7.66881E-02	3.00434E-02	9.28143E-03	0.	0.
406	8.09376E-02	3.00671E-02	8.91950E-03	0.	0.
407	9.27496E-02	3.06561E-02	8.57515E-03	0.	0.
408	9.32661E-02	3.06336E-02	7.52454E-03	0.	0.
409	1.02369E-01	3.08713E-02	7.51417E-03	0.	0.
410	1.08008E-01	3.15347E-02	8.36171E-03	0.	0.
411	1.02561E-01	3.24849E-02	9.44881E-03	0.	0.
412	1.11808E-01	3.28015E-02	1.08179E-02	0.	0.
413	1.21912E-01	3.41469E-02	1.01204E-01	0.	0.
414	1.43534E-01	3.63420E-02	3.42195E-02	0.	0.
415	8.39855E-02	2.97692E-01	2.20740E-02	0.	0.
416	7.74954E-02	3.06150E-02	7.62789E-03	0.	0.
417	8.08230E-02	3.04399E-02	9.89666E-03	0.	0.
418	9.51453E-02	3.05134E-02	7.09027E-03	0.	0.
419	9.61739E-02	3.05519E-02	7.07579E-03	0.	0.
420	9.88426E-02	3.04580E-02	6.63235E-03	0.	0.
421	1.06729E-01	2.91910E-02	9.80508E-03	0.	0.
422	1.01320E-01	2.95963E-02	1.29816E-02	0.	0.
423	1.12208E-01	3.08874E-02	1.18753E-02	0.	0.
424	1.22120E-01	3.24972E-02	8.94741E-02	0.	0.
425	1.42517E-01	3.48400E-02	4.57023E-02	0.	0.
426	7.97242E-02	3.54976E-02	3.03483E-02	0.	0.
427	7.15919E-02	3.42332E-02	1.46887E-02	0.	0.
428	7.82758E-02	3.33798E-02	7.73241E-03	0.	0.
429	8.18142E-02	3.32653E-02	8.06803E-03	0.	0.
430	9.50867E-02	3.15809E-02	1.04922E-02	0.	0.
431	1.71147E-01	4.62875E-02	1.56961E-01	0.	0.
432	9.86779E-02	3.16848E-02	1.33975E-02	0.	0.

433	1.06106E-01	3.17281E-02	9.16452E-03	0.	0.	0.
434	1.03256E-01	3.36173E-02	9.91683E-03	0.	0.	0.
435	1.13028E-01	3.56061E-02	1.77650E-02	0.	0.	0.
436	1.23072E-01	3.70112E-02	2.31259E-02	0.	0.	0.
437	1.42780E-01	3.84072E-02	5.51130E-02	0.	0.	0.
438	7.67134E-02	5.66825E-02	2.68661E-02	0.	0.	0.
439	7.10338E-02	5.38762E-02	1.35026E-02	0.	0.	0.
440	7.93218E-02	4.86602E-02	2.47165E-02	0.	0.	0.
441	8.50055E-02	3.77154E-02	2.39461E-02	0.	0.	0.
442	9.50007E-02	3.27761E-02	2.68373E-02	0.	0.	0.
443	9.59381E-02	3.26812E-02	2.68281E-02	0.	0.	0.
444	9.84622E-02	3.28337E-02	2.64520E-02	0.	0.	0.
445	1.05868E-01	3.31928E-02	2.02778E-02	0.	0.	0.
446	1.06965E-01	3.44175E-02	3.42407E-02	0.	0.	0.
447	1.12703E-01	3.47221E-02	4.51566E-02	0.	0.	0.
448	1.23723E-01	3.47611E-02	5.01507E-02	0.	0.	0.
449	7.77660E-02	7.50730E-02	2.81308E-02	0.	0.	0.
450	7.02775E-02	7.18227E-02	1.61778E-02	0.	0.	0.
451	7.90969E-02	6.23071E-02	3.70476E-02	0.	0.	0.
452	8.56807E-02	5.49318E-02	3.74219E-02	0.	0.	0.
453	9.50288E-02	5.24909E-02	3.61422E-02	0.	0.	0.
454	7.93041E-02	9.72082E-02	3.04553E-02	0.	0.	0.
455	6.99338E-02	9.53433E-02	1.90028E-02	0.	0.	0.
456	7.76574E-02	9.46843E-02	3.71162E-02	0.	0.	0.
457	8.09323E-02	1.53751E-01	4.02031E-02	0.	0.	0.
458	6.96809E-02	1.54095E-01	3.13676E-02	0.	0.	0.
459	7.72919E-02	1.55064E-01	5.39847E-02	0.	0.	0.
460	1.32602E-01	5.37074E-02	4.65054E-02	0.	0.	0.
461	1.28967E-01	5.52484E-02	4.11427E-02	0.	0.	0.
462	1.25534E-01	5.52022E-02	3.52294E-02	0.	0.	0.
463	1.25372E-01	5.56970E-02	3.35310E-02	0.	0.	0.
464	1.46992E-01	5.69842E-02	3.14836E-02	0.	0.	0.
465	1.56000E-01	5.81579E-02	3.30226E-02	0.	0.	0.
466	1.56844E-01	6.07632E-02	3.63759E-02	0.	0.	0.
467	1.65081E-01	6.17377E-02	4.32331E-02	0.	0.	0.
468	1.71088E-01	6.17373E-02	4.56155E-02	0.	0.	0.
469	1.83245E-01	6.17122E-02	5.08207E-02	0.	0.	0.
470	1.20274E-01	5.39350E-02	3.69586E-02	0.	0.	0.
471	2.41266E-01	5.30834E-02	2.42160E-02	0.	0.	0.
472	1.33387E-01	5.25769E-02	1.60487E-02	0.	0.	0.
473	1.29416E-01	5.18165E-02	1.32351E-02	0.	0.	0.
474	1.21332E-01	5.10258E-02	1.86138E-02	0.	0.	0.
475	1.25173E-01	5.01478E-02	2.01854E-02	0.	0.	0.
476	1.44413E-01	4.98882E-02	1.16747E-02	0.	0.	0.
477	1.51085E-01	5.20311E-02	1.58384E-02	0.	0.	0.
478	1.57165E-01	5.67515E-02	1.23980E-02	0.	0.	0.
479	1.61262E-01	5.93512E-02	1.60101E-02	0.	0.	0.
480	1.68922E-01	6.15597E-02	1.79570E-02	0.	0.	0.
481	1.81187E-01	6.35173E-02	3.16942E-02	0.	0.	0.
482	1.19403E-01	2.71083E-01	2.49973E-02	0.	0.	0.
483	1.14403E-01	4.10189E-02	1.62646E-02	0.	0.	0.
484	1.23888E-01	4.08847E-02	1.42549E-02	0.	0.	0.
485	1.40914E-01	4.17957E-02	1.02453E-02	0.	0.	0.
486	1.39298E-01	4.41996E-02	1.63550E-02	0.	0.	0.
487	1.57565E-01	5.49828E-02	2.27729E-01	0.	0.	0.
488	1.56562E-01	5.79982E-02	2.13611E-02	0.	0.	0.
489	1.66352E-01	5.92368E-02	6.15871E-01	0.	0.	0.
490	1.79119E-01	6.11139E-02	3.16389E-02	0.	0.	0.
491	1.18365E-01	3.68513E-01	1.92470E-02	0.	0.	0.
492	1.13640E-01	4.60659E-02	8.54885E-03	0.	0.	0.
493	1.22935E-01	4.47162E-02	7.96070E-03	0.	0.	0.

494	1.38237E-01	4.31627E-02	2.84354E-01	0.	0.
495	1.36143E-01	4.56047E-02	8.44767E-03	0.	0.
496	1.56792E-01	5.24400E-02	3.53868E-01	0.	0.
497	1.55417E-01	5.54586E-02	2.26720E-02	0.	0.
498	1.65092E-01	5.67173E-02	6.25029E-01	0.	0.
499	1.77957E-01	5.93632E-02	3.56897E-02	0.	0.
500	1.16815E-01	2.69124E-01	2.40894E-02	0.	0.
501	1.14775E-01	3.60705E-02	1.03760E-02	0.	0.
502	1.20830E-01	3.54245E-02	7.76291E-03	0.	0.
503	1.29588E-01	3.71443E-02	7.09618E-03	0.	0.
504	1.35783E-01	3.98377E-02	1.34702E-02	0.	0.
505	1.56198E-01	4.74976E-02	1.89695E-01	0.	0.
506	1.57245E-01	4.97956E-02	1.44443E-02	0.	0.
507	1.66738E-01	5.07062E-02	2.46331E-01	0.	0.
508	1.76925E-01	5.28143E-02	4.82909E-02	0.	0.
509	1.17534E-01	4.57065E-02	3.53569E-02	0.	0.
510	1.61022E-01	4.48499E-02	1.77232E-02	0.	0.
511	1.24679E-01	4.40805E-02	1.15660E-02	0.	0.
512	1.20931E-01	4.06558E-02	8.49103E-03	0.	0.
513	1.19583E-01	3.58602E-02	1.14052E-02	0.	0.
514	1.19591E-01	3.57131E-02	1.13913E-02	0.	0.
515	1.19937E-01	3.61034E-02	1.36111E-02	0.	0.
516	1.39212E-01	3.97318E-02	1.16479E-02	0.	0.
517	1.54806E-01	4.34393E-02	1.25710E-02	0.	0.
518	1.54806E-01	4.60842E-02	1.77333E-02	0.	0.
519	1.72097E-01	4.73557E-02	2.53360E-02	0.	0.
520	1.76632E-01	4.86984E-02	5.98832E-02	0.	0.
521	1.24387E-01	4.48944E-02	2.99827E-02	0.	0.
522	1.21180E-01	4.19829E-02	2.70731E-02	0.	0.
523	1.23448E-01	4.03374E-02	2.68578E-02	0.	0.
524	1.20486E-01	3.79655E-02	2.81356E-02	0.	0.
525	1.24781E-01	4.07161E-02	2.52200E-02	0.	0.
526	1.39575E-01	4.18501E-02	2.34751E-02	0.	0.
527	1.54492E-01	4.30594E-02	3.95332E-02	0.	0.
528	1.65697E-01	4.33860E-02	5.47951E-02	0.	0.
529	1.75311E-01	4.35548E-02	6.21305E-02	0.	0.
530	1.24889E-01	5.82906E-02	4.69569E-02	0.	0.
531	1.22085E-01	5.90866E-02	4.39625E-02	0.	0.
532	1.24404E-01	5.90021E-02	4.28729E-02	0.	0.
533	1.75208E-01	6.48708E-02	4.74884E-02	0.	0.
534	1.72608E-01	6.46127E-02	4.28261E-02	0.	0.
535	1.73454E-01	6.41412E-02	3.63831E-02	0.	0.
536	1.75873E-01	6.41476E-02	3.39404E-02	0.	0.
537	2.06340E-01	6.45988E-02	3.42965E-02	0.	0.
538	2.24707E-01	6.52744E-02	3.66208E-02	0.	0.
539	2.48609E-01	6.71099E-02	3.73254E-02	0.	0.
540	2.36151E-01	6.88252E-02	4.57269E-02	0.	0.
541	2.31428E-01	7.01826E-02	4.82866E-02	0.	0.
542	2.20266E-01	7.17528E-02	5.36806E-02	0.	0.
543	1.44597E-01	6.56801E-02	3.78763E-02	0.	0.
544	1.67242E-01	6.53563E-02	2.54612E-02	0.	0.
545	1.75003E-01	6.35650E-02	1.74692E-02	0.	0.
546	1.73648E-01	6.20168E-02	1.43159E-02	0.	0.
547	1.72919E-01	6.08502E-02	1.91164E-02	0.	0.
548	1.66077E-01	6.08757E-02	2.38053E-02	0.	0.
549	2.10219E-01	6.22405E-02	1.36541E-02	0.	0.
550	2.28939E-01	6.22174E-02	1.89315E-02	0.	0.
551	2.50445E-01	6.54926E-02	1.50874E-02	0.	0.
552	2.40123E-01	6.81758E-02	1.79177E-02	0.	0.
553	2.34068E-01	6.91414E-02	2.04976E-02	0.	0.
554	2.17877E-01	6.99011E-02	3.33235E-02	0.	0.

555	1.44375E-01	6.67569E-02	2.60181E-02	0.	0.	0.
556	1.61498E-01	6.25274E-02	0.	0.	0.	0.
557	1.70100E-01	6.06215E-02	0.	0.	0.	0.
558	1.71213E-01	5.97061E-02	0.	0.	0.	0.
559	1.67342E-01	5.97241E-02	0.	0.	0.	0.
560	1.61186E-01	6.06083E-02	1.46629E-02	0.	0.	0.
561	2.09108E-01	5.93082E-02	0.	0.	0.	0.
562	2.30833E-01	5.94587E-02	0.	0.	0.	0.
563	2.45961E-01	6.23965E-02	0.	0.	0.	0.
564	2.39272E-01	6.44611E-02	0.	0.	0.	0.
565	2.33160E-01	6.55842E-02	0.	0.	0.	0.
566	2.15025E-01	6.84904E-02	3.23817E-02	0.	0.	0.
567	1.43699E-01	6.57670E-02	2.02907E-02	0.	0.	0.
568	1.58917E-01	6.12670E-02	0.	0.	0.	0.
569	1.67525E-01	5.87346E-02	0.	0.	0.	0.
570	1.69242E-01	5.77427E-02	0.	0.	0.	0.
571	1.64883E-01	5.79749E-02	0.	0.	0.	0.
572	1.58885E-01	5.87009E-02	8.17677E-03	0.	0.	0.
573	2.09931E-01	5.68180E-02	0.	0.	0.	0.
574	2.33206E-01	5.70744E-02	0.	0.	0.	0.
575	2.45724E-01	6.00929E-02	0.	0.	0.	0.
576	2.39389E-01	6.21504E-02	0.	0.	0.	0.
577	2.32940E-01	6.33701E-02	0.	0.	0.	0.
578	2.13456E-01	6.64243E-02	3.64408E-02	0.	0.	0.
579	1.43047E-01	6.15227E-02	2.53228E-02	0.	0.	0.
580	1.59755E-01	5.80328E-02	0.	0.	0.	0.
581	1.67800E-01	5.57296E-02	0.	0.	0.	0.
582	1.69271E-01	5.42147E-02	0.	0.	0.	0.
583	1.64203E-01	5.32077E-02	0.	0.	0.	0.
584	1.57386E-01	5.32543E-02	6.14656E-03	0.	0.	0.
585	2.15890E-01	5.12408E-02	0.	0.	0.	0.
586	2.41481E-01	5.21304E-02	0.	0.	0.	0.
587	2.50424E-01	5.71039E-02	0.	0.	0.	0.
588	2.42474E-01	6.01801E-02	0.	0.	0.	0.
589	2.35242E-01	6.20209E-02	0.	0.	0.	0.
590	2.11864E-01	6.54002E-02	4.96945E-02	0.	0.	0.
591	1.42575E-01	6.19886E-02	3.68348E-02	0.	0.	0.
592	1.64668E-01	6.02828E-02	1.96581E-02	0.	0.	0.
593	1.69549E-01	5.52997E-02	1.32053E-02	0.	0.	0.
594	1.72351E-01	5.30203E-02	1.00916E-02	0.	0.	0.
595	1.67074E-01	4.96429E-02	1.05132E-02	0.	0.	0.
596	1.58609E-01	4.78751E-02	1.23889E-02	0.	0.	0.
597	2.23434E-01	4.72275E-02	1.38870E-02	0.	0.	0.
598	2.50843E-01	4.85310E-02	1.27433E-02	0.	0.	0.
599	2.56264E-01	5.43823E-02	1.94734E-02	0.	0.	0.
600	2.42643E-01	6.43081E-02	1.85245E-02	0.	0.	0.
601	2.39575E-01	6.62522E-02	2.61428E-02	0.	0.	0.
602	2.11418E-01	6.88092E-02	6.20737E-02	0.	0.	0.
603	1.68313E-01	5.65187E-02	3.15236E-02	0.	0.	0.
604	1.70451E-01	5.31909E-02	2.69205E-02	0.	0.	0.
605	1.67404E-01	5.05229E-02	2.70103E-02	0.	0.	0.
606	1.60825E-01	4.93967E-02	3.08330E-02	0.	0.	0.
607	2.24376E-01	4.76397E-02	2.49136E-02	0.	0.	0.
608	2.52066E-01	4.71151E-02	2.48767E-02	0.	0.	0.
609	2.55426E-01	5.16083E-02	4.15147E-02	0.	0.	0.
610	2.39067E-01	5.40942E-02	5.96856E-02	0.	0.	0.
611	2.38641E-01	5.45702E-02	6.82401E-02	0.	0.	0.
612	1.68385E-01	5.95230E-02	4.94249E-02	0.	0.	0.
613	1.70346E-01	5.95055E-02	4.67565E-02	0.	0.	0.
614	1.67505E-01	5.96942E-02	4.59699E-02	0.	0.	0.

REQUIRED BLANK COMMON FOR THIS STEP= 115723

RESPONSE SPECTRUM STRESS COMPONENTS (KIND=1)

FOR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. NUMBER OF THE MODE WITH THE LARGEST STRESS.
2. VALUE OF THE STRESS COMPONENT IN THAT MODE.
3. IF REQUESTED? MODE BY MODE STRESSES.
4. RESULTANT OF THE MODAL SUMMATION. (SQUARE ROOT OF THE SUM OF THE SQUARES)

ELEMENT TYPE (B E A M)														
P1(I) 0 V2(I) 0 V3(I) 0 T1(I) 0 M2(I) 0 M3(I) 0 P1(J) 0 V2(J) 0 V3(J) 0 T1(J) 0 M2(J) 0 M3(J) 0														
MAXIMUM 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
RESULTANT 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
ELEMENT TYPE (B E A M)														
P1(I) 0 V2(I) 0 V3(I) 0 T1(I) 0 M2(I) 0 M3(I) 0 P1(J) 0 V2(J) 0 V3(J) 0 T1(J) 0 M2(J) 0 M3(J) 0														
MAXIMUM 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
RESULTANT 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
ELEMENT TYPE (B E A M)														
P1(I) 0 V2(I) 0 V3(I) 0 T1(I) 0 M2(I) 0 M3(I) 0 P1(J) 0 V2(J) 0 V3(J) 0 T1(J) 0 M2(J) 0 M3(J) 0														
MAXIMUM 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
RESULTANT 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
ELEMENT TYPE (B E A M)														
P1(I) 0 V2(I) 0 V3(I) 0 T1(I) 0 M2(I) 0 M3(I) 0 P1(J) 0 V2(J) 0 V3(J) 0 T1(J) 0 M2(J) 0 M3(J) 0														
MAXIMUM 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
RESULTANT 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
ELEMENT TYPE (B E A M)														
P1(I) 0 V2(I) 0 V3(I) 0 T1(I) 0 M2(I) 0 M3(I) 0 P1(J) 0 V2(J) 0 V3(J) 0 T1(J) 0 M2(J) 0 M3(J) 0														
MAXIMUM 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
RESULTANT 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
ELEMENT TYPE (B E A M)														
P1(I) 0 V2(I) 0 V3(I) 0 T1(I) 0 M2(I) 0 M3(I) 0 P1(J) 0 V2(J) 0 V3(J) 0 T1(J) 0 M2(J) 0 M3(J) 0														
MAXIMUM 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
RESULTANT 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
ELEMENT TYPE (B E A M)														
P1(I) 0 V2(I) 0 V3(I) 0 T1(I) 0 M2(I) 0 M3(I) 0 P1(J) 0 V2(J) 0 V3(J) 0 T1(J) 0 M2(J) 0 M3(J) 0														
MAXIMUM 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
RESULTANT 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														

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ELEMENT TYPE (B E A M) / / ELEMENT NUMBER (16)												
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)
0		0		0		0		0		0		0
MAXIMUM		0.		0.		0.		0.		0.		0.
RESULTANT		0.		0.		0.		0.		0.		0.
ELEMENT TYPE (B E A M) / / ELEMENT NUMBER (17)												
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)
0		0		0		0		0		0		0
MAXIMUM		0.		0.		0.		0.		0.		0.
RESULTANT		0.		0.		0.		0.		0.		0.
ELEMENT TYPE (B E A M) / / ELEMENT NUMBER (18)												
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)
0		0		0		0		0		0		0
MAXIMUM		0.		0.		0.		0.		0.		0.
RESULTANT		0.		0.		0.		0.		0.		0.
ELEMENT TYPE (B E A M) / / ELEMENT NUMBER (19)												
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)
0		0		0		0		0		0		0
MAXIMUM		0.		0.		0.		0.		0.		0.
RESULTANT		0.		0.		0.		0.		0.		0.
ELEMENT TYPE (B E A M) / / ELEMENT NUMBER (20)												
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)
0		0		0		0		0		0		0
MAXIMUM		0.		0.		0.		0.		0.		0.
RESULTANT		0.		0.		0.		0.		0.		0.
ELEMENT TYPE (B E A M) / / ELEMENT NUMBER (21)												
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)
0		0		0		0		0		0		0
MAXIMUM		0.		0.		0.		0.		0.		0.
RESULTANT		0.		0.		0.		0.		0.		0.
ELEMENT TYPE (B E A M) / / ELEMENT NUMBER (22)												
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)
0		0		0		0		0		0		0
MAXIMUM		0.		0.		0.		0.		0.		0.
RESULTANT		0.		0.		0.		0.		0.		0.
ELEMENT TYPE (B E A M) / / ELEMENT NUMBER (23)												
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)
0		0		0		0		0		0		0
MAXIMUM		0.		0.		0.		0.		0.		0.
RESULTANT		0.		0.		0.		0.		0.		0.

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ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (72)													
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)	
0		0		0		0		0		0		0	
MAXIMUM		0.		0.		0.		0.		0.		0.	
RESULTANT		0.		0.		0.		0.		0.		0.	
ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (73)													
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)	
0		0		0		0		0		0		0	
MAXIMUM		0.		0.		0.		0.		0.		0.	
RESULTANT		0.		0.		0.		0.		0.		0.	
ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (74)													
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)	
0		0		0		0		0		0		0	
MAXIMUM		0.		0.		0.		0.		0.		0.	
RESULTANT		0.		0.		0.		0.		0.		0.	
ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (75)													
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)	
36		5		9		0		9		5		36	
MAXIMUM		-2.133E+03		-4.919E-01		1.295E-01		0.		-6.149E+00		-2.337E+01	
RESULTANT		3.538E+03		5.234E-01		1.850E-01		0.		8.786E+00		2.486E+01	
ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (76)													
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)	
36		5		9		0		9		5		36	
MAXIMUM		-1.043E+05		-2.858E-01		4.438E-02		0.		-3.062E+00		-1.972E+01	
RESULTANT		1.587E+05		3.178E-01		6.305E-02		0.		4.351E+00		2.193E+01	
ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (77)													
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)	
8		5		9		0		9		5		8	
MAXIMUM		-2.383E+03		-1.305E+00		2.723E-01		0.		-9.532E+00		-4.568E+01	
RESULTANT		3.860E+03		1.393E+00		3.401E-01		0.		1.190E+01		4.875E+01	
ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (78)													
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)	
36		5		9		0		9		5		36	
MAXIMUM		-1.826E+05		-7.602E-01		9.178E-02		0.		-4.681E+00		-3.877E+01	
RESULTANT		2.684E+05		8.451E-01		1.152E-01		0.		5.873E+00		4.310E+01	
ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (79)													
P1(I)		V2(I)		V3(I)		T1(I)		M2(I)		M3(I)		P1(J)	
5		5		5		0		5		5		5	
MAXIMUM		-3.860E+03		-2.205E+00		5.516E-01		0.		-1.600E+01		-6.395E+01	
RESULTANT		7.255E+03		2.352E+00		8.380E-01		0.		2.430E+01		6.820E+01	

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (80)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	5	5	0	5	5	5	5	5	0	5	5
MAXIMUM -2.484E+05 -1.481E+00 2.244E-01 0. -9.426E+00 -6.220E+01 2.484E+05 1.481E+00 -2.244E-01 0. -9.426E+00 -6.220E+01											
RESULTANT 3.980E+05 1.644E+00 3.290E-01 0. 1.382E+01 6.904E+01 3.980E+05 1.644E+00 3.290E-01 0. 1.382E+01 6.904E+01											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (81)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	5	5	0	5	5	5	5	5	0	5	5
MAXIMUM -1.355E+05 -8.017E-02 3.737E-02 0. -4.204E+00 -9.019E+00 1.355E+05 8.017E-02 3.737E-02 0. -4.204E+00 -9.019E+00											
RESULTANT 1.804E+05 8.900E-02 4.586E-02 0. 5.159E+00 1.001E+01 1.804E+05 8.900E-02 4.586E-02 0. 5.159E+00 1.001E+01											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (82)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	5	5	0	5	5	5	5	5	0	5	5
MAXIMUM 9.948E+04 2.668E-02 -1.228E-02 0. 1.413E+00 3.068E+00 -9.948E+04 -2.668E-02 1.228E-02 0. 1.413E+00 3.068E+00											
RESULTANT 1.339E+05 3.852E-02 1.867E-02 0. 2.147E+00 4.430E+00 1.339E+05 3.852E-02 1.867E-02 0. 2.147E+00 4.430E+00											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (83)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
9	5	9	0	9	5	9	5	9	0	9	5
MAXIMUM 8.296E+04 1.221E+00 -2.700E-01 0. 1.539E+01 6.957E+01 -8.296E+04 -1.221E+00 2.700E-01 0. 1.539E+01 6.957E+01											
RESULTANT 1.200E+05 1.514E+00 4.608E-01 0. 2.627E+01 8.632E+01 1.200E+05 1.514E+00 4.608E-01 0. 2.627E+01 8.632E+01											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (84)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
9	5	9	0	9	5	9	5	9	0	9	5
MAXIMUM 4.430E+04 -3.954E+00 6.018E-01 0. -2.317E+01 -1.522E+02 -4.430E+04 3.954E+00 -6.018E-01 0. -2.317E+01 -1.522E+02											
RESULTANT 6.468E+04 4.899E+00 8.566E-01 0. 3.298E+01 1.886E+02 6.468E+04 4.899E+00 8.566E-01 0. 3.298E+01 1.886E+02											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (85)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
9	5	9	0	9	5	9	5	9	0	9	5
MAXIMUM 1.510E+04 -9.820E+00 1.043E+00 0. -2.974E+01 -2.799E+02 -1.510E+04 9.820E+00 -1.043E+00 0. -2.974E+01 -2.799E+02											
RESULTANT 2.564E+04 1.217E+01 1.382E+00 0. 3.939E+01 3.469E+02 2.564E+04 1.217E+01 1.382E+00 0. 3.939E+01 3.469E+02											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (86)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	5	5	0	5	5	5	5	5	0	5	5
MAXIMUM -9.457E+04 -4.309E-01 1.128E-01 0. -5.301E+00 -2.025E+01 9.457E+04 4.309E-01 -1.128E-01 0. -5.301E+00 -2.025E+01											
RESULTANT 1.924E+05 6.397E-01 1.752E-01 0. 8.234E+00 3.006E+01 1.924E+05 6.397E-01 1.752E-01 0. 8.234E+00 3.006E+01											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (87)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
9	5	7	0	7	5	9	5	7	0	7	5
MAXIMUM -8.950E+03 -1.806E+01 -2.897E+00 0. 6.807E+01 -4.245E+02 8.950E+03 1.806E+01 2.897E+00 0. 6.807E+01 -4.245E+02											
RESULTANT 1.629E+04 2.256E+01 4.388E+00 0. 1.031E+02 5.302E+02 1.629E+04 2.256E+01 4.388E+00 0. 1.031E+02 5.302E+02											

ELEMENT TYPE (R E A M) / / ELEMENT NUMBER (88)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	5	9	0	9	5	5	5	9	0	9	5
MAXIMUM -1.104E+05-2.548E-01 9.460E-02 0. -5.440E+00-1.465E+01 1.104E+05 2.548E-01-9.460E-02 0. -5.440E+00-1.465E+01											
RESULTANT 1.794E+05 3.863E-01 1.437E-01 0. 8.264E+00 2.221E+01 1.794E+05 3.863E-01 1.437E-01 0. 8.264E+00 2.221E+01											

ELEMENT TYPE (R E A M) / / ELEMENT NUMBER (89)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
9	5	7	0	7	5	9	5	7	0	7	5
MAXIMUM -9.569E+03-1.040E+01-3.132E+00 0. 8.926E+01-2.963E+02 9.569E+03 1.040E+01 3.132E+00 0. 8.926E+01-2.963E+02											
RESULTANT 1.582E+04 1.313E+01 4.609E+00 0. 1.314E+02 3.742E+02 1.582E+04 1.313E+01 4.609E+00 0. 1.314E+02 3.742E+02											

ELEMENT TYPE (R E A M) / / ELEMENT NUMBER (90)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	7	7	0	7	7	5	7	7	0	7	7
MAXIMUM -1.134E+05-2.554E-01-1.467E-01 0. 8.876E+00-1.545E+01 1.134E+05 2.554E-01 1.467E-01 0. 8.876E+00-1.545E+01											
RESULTANT 1.803E+05 3.828E-01 2.233E-01 0. 1.351E+01 2.316E+01 1.803E+05 3.828E-01 2.233E-01 0. 1.351E+01 2.316E+01											

ELEMENT TYPE (R E A M) / / ELEMENT NUMBER (91)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	5	7	0	7	5	5	5	7	0	7	5
MAXIMUM -2.799E+05-1.109E+01-8.932E+00 0. 2.144E+02-2.661E+02 2.799E+05 1.109E+01 8.932E+00 0. 2.144E+02-2.661E+02											
RESULTANT 3.399E+05 1.193E+01 1.295E+01 0. 3.107E+02 2.864E+02 3.399E+05 1.193E+01 1.295E+01 0. 3.107E+02 2.864E+02											

ELEMENT TYPE (R E A M) / / ELEMENT NUMBER (92)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	5	7	0	7	5	5	5	7	0	7	5
MAXIMUM -1.600E+04-1.775E+01-9.117E+00 0. 2.188E+02-4.261E+02 1.600E+04 1.775E+01 9.117E+00 0. 2.188E+02-4.261E+02											
RESULTANT 2.019E+04 2.282E+01 1.327E+01 0. 3.185E+02 5.477E+02 2.019E+04 2.282E+01 1.327E+01 0. 3.185E+02 5.477E+02											

ELEMENT TYPE (R E A M) / / ELEMENT NUMBER (93)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	7	7	0	7	7	5	7	7	0	7	7
MAXIMUM -7.620E+04-8.589E-02-6.569E-02 0. 5.880E+00-7.687E+00 7.620E+04 8.589E-02 6.569E-02 0. 5.880E+00-7.687E+00											
RESULTANT 1.287E+05 1.273E-01 9.945E-02 0. 8.900E+00 1.139E+01 1.287E+05 1.273E-01 9.945E-02 0. 8.900E+00 1.139E+01											

ELEMENT TYPE (R E A M) / / ELEMENT NUMBER (94)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	5	7	0	7	5	5	5	7	0	7	5
MAXIMUM -1.075E+05-4.701E-01-3.826E-01 0. 1.875E+01-2.304E+01 1.075E+05 4.701E-01 3.826E-01 0. 1.875E+01-2.304E+01											
RESULTANT 1.320E+05 5.738E-01 5.816E-01 0. 2.850E+01 2.812E+01 1.320E+05 5.738E-01 5.816E-01 0. 2.850E+01 2.812E+01											

ELEMENT TYPE (R E A M) / / ELEMENT NUMBER (95)

P1(I)	V2(I)	V3(I)	T1(I)	M2(I)	M3(I)	P1(J)	V2(J)	V3(J)	T1(J)	M2(J)	M3(J)
5	5	7	0	7	5	5	5	7	0	7	5
MAXIMUM -3.184E+04-8.262E-01-3.491E-01 0. 1.397E+01-3.305E+01 3.184E+04 8.262E-01 3.491E-01 0. 1.397E+01-3.305E+01											
RESULTANT 3.282E+04 8.501E-01 4.927E-01 0. 1.971E+01 3.400E+01 3.282E+04 8.501E-01 4.927E-01 0. 1.971E+01 3.400E+01											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (96)									
P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J) 5 5 5 0 7 5 5 5 7 0 7 5 MAXIMUM -8.499E+03 1.216E+00 6.633E-01 0. 2.122E+01 -3.893E+01 8.499E+03 1.216E+00 6.633E-01 0. 2.122E+01 -3.893E+01 RESULTANT 9.543E+03 1.232E+00 9.072E-01 0. 2.903E+01 3.944E+01 9.543E+03 1.232E+00 9.072E-01 0. 2.903E+01 3.944E+01 ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (97)									
P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J) 5 5 5 0 7 5 5 5 7 0 7 5 MAXIMUM -1.752E+04 -1.516E+00 -7.705E-01 0. 2.350E+01 -4.623E+01 1.752E+04 -1.516E+00 -7.705E-01 0. 2.350E+01 -4.623E+01 RESULTANT 1.834E+04 1.529E+00 1.079E+00 0. 3.290E+01 4.664E+01 1.834E+04 1.529E+00 1.079E+00 0. 3.290E+01 4.664E+01 ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (98)									
P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J) 5 5 5 0 7 5 5 5 7 0 7 5 MAXIMUM -2.613E+05 -5.016E-01 -1.639E-01 0. 8.439E+00 -2.583E+01 2.613E+05 -5.016E-01 -1.639E-01 0. 8.439E+00 -2.583E+01 RESULTANT 2.653E+05 5.104E-01 2.374E-01 0. 1.222E+01 2.628E+01 2.653E+05 5.104E-01 2.374E-01 0. 1.222E+01 2.628E+01 ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (99)									
P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J) 5 5 7 0 7 5 5 5 7 0 7 5 MAXIMUM -1.192E+05 -3.434E-01 -3.418E-01 0. 1.965E+01 -1.974E+01 1.192E+05 -3.434E-01 -3.418E-01 0. 1.965E+01 -1.974E+01 RESULTANT 2.184E+05 5.057E-01 5.226E-01 0. 3.005E+01 2.908E+01 2.184E+05 5.057E-01 5.226E-01 0. 3.005E+01 2.908E+01 ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (100)									
P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J) 5 5 7 0 7 5 5 5 7 0 7 5 MAXIMUM -1.778E+05 -1.869E+00 -2.048E+00 0. 6.450E+01 -5.888E+01 1.778E+05 -1.869E+00 -2.048E+00 0. 6.450E+01 -5.888E+01 RESULTANT 2.332E+05 2.269E+00 3.135E+00 0. 9.874E+01 7.148E+01 2.332E+05 2.269E+00 3.135E+00 0. 9.874E+01 7.148E+01 ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (101)									
P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J) 5 5 7 0 7 5 5 5 7 0 7 5 MAXIMUM -2.070E+05 -1.855E-01 -1.870E-01 0. 1.300E+01 -1.289E+01 2.070E+05 -1.855E-01 -1.870E-01 0. 1.300E+01 -1.289E+01 RESULTANT 2.260E+05 2.099E-01 2.873E-01 0. 1.997E+01 1.459E+01 2.260E+05 2.099E-01 2.873E-01 0. 1.997E+01 1.459E+01 ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (102)									
P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J) 5 5 7 0 7 5 5 5 7 0 7 5 MAXIMUM -6.786E+04 -2.074E-03 -1.042E-03 0. 3.049E-01 -6.067E-01 6.786E+04 -2.074E-03 -1.042E-03 0. 3.049E-01 -6.067E-01 RESULTANT 7.139E+04 2.192E-03 1.480E-03 0. 4.328E-01 6.411E-01 7.139E+04 2.192E-03 1.480E-03 0. 4.328E-01 6.411E-01 ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (103)									
P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J) 5 5 7 0 7 5 5 5 7 0 7 5 MAXIMUM -1.039E+05 -1.294E-02 -5.981E-03 0. 9.899E-01 -2.141E+00 1.039E+05 -1.294E-02 -5.981E-03 0. 9.899E-01 -2.141E+00 RESULTANT 1.068E+05 1.341E-02 8.178E-03 0. 1.354E+00 2.220E+00 1.068E+05 1.341E-02 8.178E-03 0. 1.354E+00 2.220E+00 ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (104)									

ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (104)

P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J)
 MAXIMUM -1.064E+05 -4.214E-02 -2.227E-02 0. 2.405E+00 -4.551E+00 1.064E+05 4.214E-02 2.227E-02 0. 2.405E+00 -4.551E+00
 RESULTANT 1.094E+05 4.336E-02 2.957E-02 0. 3.193E+00 4.683E+00 1.094E+05 4.336E-02 2.957E-02 0. 3.193E+00 4.683E+00

ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (105)

P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J)
 MAXIMUM -4.913E+04 -6.192E-02 -4.152E-02 0. 3.612E+00 -5.387E+00 4.913E+04 6.192E-02 4.152E-02 0. 3.612E+00 -5.387E+00
 RESULTANT 5.566E+04 6.269E-02 5.353E-02 0. 4.657E+00 5.454E+00 5.566E+04 6.269E-02 5.353E-02 0. 4.657E+00 5.454E+00

ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (106)

P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J)
 MAXIMUM -6.954E+04 -7.642E-02 -4.711E-02 0. 3.910E+00 -6.343E+00 6.954E+04 7.642E-02 4.711E-02 0. 3.910E+00 -6.343E+00
 RESULTANT 7.520E+04 7.707E-02 6.617E-02 0. 5.492E+00 6.397E+00 7.520E+04 7.707E-02 6.617E-02 0. 5.492E+00 6.397E+00

ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (107)

P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J)
 MAXIMUM -1.420E+05 -2.607E-02 -1.012E-02 0. 1.407E+00 -3.624E+00 1.420E+05 2.607E-02 1.012E-02 0. 1.407E+00 -3.624E+00
 RESULTANT 1.440E+05 2.655E-02 1.527E-02 0. 2.123E+00 3.690E+00 1.440E+05 2.655E-02 1.527E-02 0. 2.123E+00 3.690E+00

ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (108)

P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J)
 MAXIMUM -6.204E+04 -1.843E+00 -2.293E+00 0. 1.009E+02 -8.108E+01 6.204E+04 1.843E+00 2.293E+00 0. 1.009E+02 -8.108E+01
 RESULTANT 6.975E+04 1.980E+00 3.301E+00 0. 1.452E+02 8.710E+01 6.975E+04 1.980E+00 3.301E+00 0. 1.452E+02 8.710E+01

ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (109)

P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J)
 MAXIMUM -5.236E+04 -2.905E+00 -2.297E+00 0. 1.010E+02 -1.278E+02 5.236E+04 2.905E+00 2.297E+00 0. 1.010E+02 -1.278E+02
 RESULTANT 6.022E+04 3.754E+00 3.308E+00 0. 1.455E+02 1.652E+02 6.022E+04 3.754E+00 3.308E+00 0. 1.455E+02 1.652E+02

ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (110)

P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J)
 MAXIMUM -1.051E+05 -1.591E-01 -2.575E-01 0. 1.944E+01 -1.201E+01 1.051E+05 1.591E-01 2.575E-01 0. 1.944E+01 -1.201E+01
 RESULTANT 2.169E+05 2.335E-01 4.015E-01 0. 3.032E+01 1.763E+01 2.169E+05 2.335E-01 4.015E-01 0. 3.032E+01 1.763E+01

ELEMENT TYPE (R E A M) / / / ELEMENT NUMBER (111)

P1(I) V2(I) V3(I) T1(I) M2(I) M3(I) P1(J) V2(J) V3(J) T1(J) M2(J) M3(J)
 MAXIMUM -1.934E+05 -8.556E-01 -1.548E+00 0. 6.424E+01 -3.551E+01 1.934E+05 8.556E-01 1.548E+00 0. 6.424E+01 -3.551E+01
 RESULTANT 2.745E+05 1.033E+00 2.415E+00 0. 1.002E+02 4.289E+01 2.745E+05 1.033E+00 2.415E+00 0. 1.002E+02 4.289E+01

[illegible]

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
0	0	0	0	0	0
MAXIMUM	0.	0.	0.	0.	0.
RESULTANT	0.	0.	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM	-1.585E+02	-1.604E+01	4.987E+01	1.320E-11	2.640E-11
RESULTANT	1.699E+02	1.838E+01	6.545E+01	1.511E-11	3.023E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	7
MAXIMUM	-2.041E+02	-1.596E+01	-3.330E+01	-3.959E-11	-2.386E-11
RESULTANT	2.117E+02	1.920E+01	5.385E+01	4.361E-11	2.639E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	0	5	5
MAXIMUM	-2.047E+02	-2.484E+01	-4.103E+01	0.	7.603E-12
RESULTANT	2.103E+02	2.604E+01	5.285E+01	0.	8.110E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	0	0	5
MAXIMUM	-1.974E+02	-2.091E+01	-4.327E+01	0.	8.920E+01
RESULTANT	2.018E+02	2.171E+01	5.629E+01	0.	1.483E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	0	5
MAXIMUM	-1.504E+02	-2.585E+01	-4.933E+01	-6.406E-12	0.
RESULTANT	1.532E+02	2.617E+01	6.084E+01	6.571E-12	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	5
MAXIMUM	-9.382E+01	-3.081E+01	-5.103E+01	1.107E-11	1.107E-11
RESULTANT	9.668E+01	3.112E+01	6.697E+01	1.117E-11	1.117E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	5
MAXIMUM	-1.546E+02	-2.970E+01	-5.453E+01	-1.342E-11	-8.321E-12
RESULTANT	1.574E+02	3.070E+01	8.618E+01	1.365E-11	8.448E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.225E+02 -2.763E+01 -6.082E+01 -5.565E-11 -3.293E-11 -4.042E+02
RESULTANT 2.272E+02 2.844E+01 8.928E+01 5.722E-11 3.382E-11 4.949E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.218E+02 -2.130E+01 -5.469E+01 -5.009E-11 -5.009E-11 -1.462E+02
RESULTANT 2.281E+02 2.292E+01 7.664E+01 5.206E-11 5.206E-11 2.019E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.458E+02 -2.179E+01 -5.113E+01 1.300E-11 1.300E-11 -1.101E+03
RESULTANT 2.592E+02 2.322E+01 7.606E+01 1.358E-11 1.358E-11 1.374E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.774E+01 -1.018E+01 -3.492E+01 -1.217E-10 -9.749E-11 4.472E+02
RESULTANT 5.782E+01 1.560E+01 4.473E+01 1.352E-10 1.085E-10 5.880E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.847E+01 -5.761E+00 -3.475E+01 -2.719E-11 -6.989E-11 -7.525E+02
RESULTANT 3.120E+01 8.057E+00 4.245E+01 2.869E-11 7.360E-11 7.609E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.036E+01 2.039E+00 -3.344E+01 -6.292E-11 -6.292E-11 1.244E+02
RESULTANT 3.740E+01 4.327E+00 4.125E+01 6.540E-11 6.540E-11 2.088E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.278E+01 -1.054E+01 -2.433E+01 -1.135E-11 1.135E-11 9.972E+02
RESULTANT 4.471E+01 1.438E+01 2.922E+01 1.166E-11 1.166E-11 1.055E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.869E+01 2.119E+01 -2.787E+01 -2.474E-12 0. -1.232E+02
RESULTANT 5.293E+01 3.236E+01 3.456E+01 2.498E-12 0. 1.260E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.283E+01 -8.649E+00 -4.544E+01 -6.313E-12 -3.971E-12 -1.374E+02
RESULTANT 3.969E+01 1.084E+01 5.667E+01 6.413E-12 4.023E-12 1.567E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.228E+01 -2.820E+01 -6.479E+01 -2.652E-11 -2.106E-11 -1.601E+02
RESULTANT 4.003E+01 3.700E+01 1.019E+02 2.728E-11 2.166E-11 1.833E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.210E+01 -3.591E+01 -5.503E+01 -3.212E-11 -3.212E-11 -1.733E+02
RESULTANT 6.044E+01 4.573E+01 8.437E+01 3.350E-11 3.350E-11 2.149E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.569E+01 -1.171E+01 6.354E+01 1.437E-11 1.437E-11 -1.328E+03
RESULTANT 1.195E+02 1.649E+01 1.003E+02 1.517E-11 1.517E-11 1.632E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.697E+01 -7.274E+00 -1.914E+01 -5.186E-11 -5.186E-11 2.110E+03
RESULTANT 6.684E+01 1.103E+01 3.508E+01 7.661E-11 7.661E-11 2.834E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.073E+01 -6.606E+00 -2.624E+01 7.784E-11 1.557E-10 -1.962E+03
RESULTANT 2.781E+01 1.209E+01 3.265E+01 9.241E-11 1.848E-10 3.133E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.064E+01 8.819E+00 -2.715E+01 -2.474E-10 -2.474E-10 1.370E+03
RESULTANT 4.501E+01 1.063E+01 3.269E+01 2.767E-10 2.767E-10 1.920E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.165E+01 -6.212E+00 -2.677E+01 -7.925E-10 -1.022E-09 -1.188E+04
RESULTANT 5.794E+01 8.894E+00 3.186E+01 8.342E-10 1.073E-09 1.202E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 5 9 5 5 5
 MAXIMUM -7.576E+01-1.038E+01-3.084E+01-9.879E-10-9.879E-10-9.803E+03
 RESULTANT 7.847E+01 1.200E+01 3.653E+01 1.024E-09 1.024E-09 9.875E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 5 9 5 5 5
 MAXIMUM -4.573E+01-9.266E+00-2.597E+01-9.585E-11 9.585E-11 7.936E+03
 RESULTANT 4.732E+01 1.311E+01 3.144E+01 9.839E-11 9.839E-11 8.387E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 5 9 5 5 5
 MAXIMUM -7.806E+01-1.304E+01-4.154E+01-2.158E-10-1.336E-10-6.080E+03
 RESULTANT 9.095E+01 1.358E+01 5.526E+01 2.187E-10 1.351E-10 6.657E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 9 9 5 5 5 7
 MAXIMUM 2.962E+01 5.815E+00 1.719E+01-5.001E-11-5.001E-11 9.214E+02
 RESULTANT 4.780E+01 7.884E+00 2.774E+01 7.448E-11 7.448E-11 1.281E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 9 9 0 5 5
 MAXIMUM -5.609E+01 8.431E+00-2.382E+01 0. 7.714E-12-1.623E+02
 RESULTANT 6.773E+01 1.443E+01 3.326E+01 0. 8.960E-12 2.945E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 5 9 5 5 7
 MAXIMUM -7.143E+01-8.792E+00-2.334E+01-1.724E-10-1.378E-10 3.637E+02
 RESULTANT 8.009E+01 1.266E+01 3.099E+01 1.874E-10 1.500E-10 4.765E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 5 9 5 5 5
 MAXIMUM -8.383E+01-1.236E+01-2.334E+01-3.217E-11-7.900E-11 5.528E+02
 RESULTANT 8.828E+01 1.378E+01 2.820E+01 3.383E-11 8.288E-11 7.311E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 5 9 5 5 5
 MAXIMUM -5.543E+01-7.829E+00-3.024E+01-1.246E-10-1.246E-10-9.927E+02
 RESULTANT 5.762E+01 8.603E+00 3.821E+01 1.290E-10 1.290E-10 1.017E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.417E+00-1.605E+00-2.524E+01-4.976E-11 0. 2.956E+03
RESULTANT 1.070E+01 2.367E+00 3.000E+01 5.109E-11 0. 3.143E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.311E+01 5.213E+00-2.460E+01-1.623E-10 0. -4.366E+03
RESULTANT 1.553E+01 6.388E+00 2.908E+01 1.642E-10 0. 4.624E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.192E+01-1.821E+00-3.782E+01 0. 7.779E-12 8.485E+01
RESULTANT 2.931E+01 3.057E+00 4.989E+01 0. 9.007E-12 1.689E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.731E+01 3.822E+00-3.976E+01-2.140E-11-1.712E-11 4.494E+01
RESULTANT 5.434E+01 6.389E+00 5.302E+01 2.322E-11 1.859E-11 5.581E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.182E+01 6.274E+00-3.026E+01-2.717E-10-6.781E-10 2.104E+03
RESULTANT 7.969E+01 8.693E+00 4.028E+01 2.851E-10 7.097E-10 2.952E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.431E+01 4.960E+00-2.787E+01-4.410E-09-4.410E-09-1.424E+04
RESULTANT 8.232E+01 6.509E+00 3.697E+01 4.563E-09 4.563E-09 1.482E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.879E+01 8.904E+00-2.728E+01-8.792E-10 8.792E-10 5.397E+04
RESULTANT 5.149E+01 9.207E+00 3.800E+01 9.022E-10 9.022E-10 5.772E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.271E+01 1.222E+01-2.709E+01 1.355E-09 1.355E-09-1.133E+04
RESULTANT 2.490E+01 1.251E+01 3.753E+01 1.371E-09 1.371E-09 1.526E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	0	5
MAXIMUM	6.611E+01	1.272E+01	-2.552E+01	-7.876E-10	0.
RESULTANT	7.492E+01	1.339E+01	4.335E+01	7.978E-10	0.
					-2.791E+04
					3.018E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	9	9	5	5	5
MAXIMUM	1.548E+01	-3.614E+00	-1.447E+01	-1.729E-09	-1.729E-09
RESULTANT	2.387E+01	5.589E+00	2.159E+01	1.821E-09	1.821E-09
					3.276E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	9	5	5	9
MAXIMUM	-8.211E+00	-3.397E+00	-1.664E+01	-1.464E-09	-1.464E-09
RESULTANT	1.299E+01	5.096E+00	2.446E+01	1.519E-09	1.519E-09
					4.281E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
21	9	9	0	5	5
MAXIMUM	-9.335E+00	-2.252E+00	-1.521E+01	0.	5.500E-10
RESULTANT	1.317E+01	2.979E+00	2.265E+01	0.	5.648E-10
					2.290E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
21	5	7	5	5	7
MAXIMUM	-7.545E+00	3.682E+00	1.425E+01	3.733E-10	3.733E-10
RESULTANT	1.047E+01	4.495E+00	2.284E+01	3.767E-10	3.767E-10
					5.589E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	5	5	5
MAXIMUM	-1.161E+01	1.185E+01	2.092E+01	-2.201E-10	-3.156E-10
RESULTANT	1.865E+01	1.535E+01	3.142E+01	2.244E-10	3.200E-10
					2.748E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM	6.450E+01	1.093E+02	-1.015E+02	-2.220E-11	-2.220E-11
RESULTANT	1.129E+02	1.302E+02	1.342E+02	2.296E-11	2.296E-11
					5.922E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	5	5	7
MAXIMUM	1.120E+02	9.870E+00	5.640E+01	1.651E-11	3.303E-11
RESULTANT	1.260E+02	1.256E+01	7.827E+01	1.906E-11	3.812E-11
					6.497E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	0	5	9
MAXIMUM 1.017E+02 1.555E+01 3.854E+01 0. 7.945E-12 1.053E+02					
RESULTANT 1.076E+02 1.762E+01 5.246E+01 0. 8.449E-12 1.562E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	0	0	5
MAXIMUM 1.317E+02 1.651E+01 -4.269E+01 0. 0. 1.644E+02					
RESULTANT 1.359E+02 1.781E+01 7.415E+01 0. 0. 1.974E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	5	0	5
MAXIMUM 1.317E+02 2.092E+01 4.108E+01 -4.854E-12 0. 3.855E+02					
RESULTANT 1.346E+02 2.130E+01 5.463E+01 4.978E-12 0. 4.052E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	5	5	7
MAXIMUM 7.627E+01 2.692E+01 4.010E+01 5.596E-12 5.596E-12 5.245E+01					
RESULTANT 7.721E+01 2.715E+01 5.463E+01 5.639E-12 5.639E-12 6.287E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM 1.353E+02 2.936E+01 -4.801E+01 -9.485E-12 -5.454E-12 -4.344E+02					
RESULTANT 1.372E+02 3.023E+01 7.114E+01 9.642E-12 5.533E-12 4.501E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM 2.223E+02 2.315E+01 -5.065E+01 -4.559E-11 -2.682E-11 -4.597E+02					
RESULTANT 2.284E+02 2.413E+01 7.133E+01 4.667E-11 2.745E-11 4.970E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM 2.630E+02 1.932E+01 -4.098E+01 -4.280E-11 -4.280E-11 -9.123E+02					
RESULTANT 2.755E+02 2.037E+01 6.014E+01 4.406E-11 4.406E-11 1.112E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	5	5	7
MAXIMUM 2.491E+02 2.280E+01 6.891E+01 -2.201E-11 -1.764E-11 5.238E+01					
RESULTANT 2.663E+02 2.430E+01 1.031E+02 2.386E-11 1.914E-11 8.574E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	5	5	9
MAXIMUM	2.442E+02	2.316E+01	6.741E+01	-4.212E-12	-1.053E-11
RESULTANT	2.554E+02	2.626E+01	9.485E+01	4.413E-12	1.101E-11
					4.747E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	5	5
MAXIMUM	-9.660E+01	-1.052E+01	-5.798E+01	2.372E-11	-1.130E-11
RESULTANT	1.138E+02	1.303E+01	7.318E+01	3.408E-11	1.675E-11
					1.438E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM	-1.178E+02	8.090E+00	-7.569E+01	1.584E-13	1.584E-13
RESULTANT	1.315E+02	1.522E+01	8.809E+01	2.479E-13	2.479E-13
					2.436E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM	-1.144E+02	7.058E+00	-5.690E+01	1.110E-11	5.552E-12
RESULTANT	1.195E+02	1.065E+01	6.296E+01	1.408E-11	7.039E-12
					1.472E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	9
MAXIMUM	-1.236E+02	-1.565E+01	-8.310E+01	1.158E-11	5.791E-12
RESULTANT	1.268E+02	1.606E+01	8.663E+01	1.405E-11	7.025E-12
					1.483E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	5	9	5
MAXIMUM	-9.279E+01	-2.525E+00	-9.305E+01	-1.042E-12	8.486E-12
RESULTANT	1.012E+02	5.359E+00	9.579E+01	1.459E-12	1.237E-11
					2.613E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM	-1.472E+02	-2.134E+01	-1.455E+02	8.601E-12	8.601E-12
RESULTANT	1.529E+02	2.191E+01	1.532E+02	1.275E-11	1.275E-11
					1.145E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	0	5
MAXIMUM	-1.168E+02	-3.627E+01	-1.546E+02	0.	0.
RESULTANT	1.282E+02	3.958E+01	1.648E+02	0.	1.064E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁵ ⁹ ⁹ ⁵
 MAXIMUM -1.167E+02 -5.987E+01 -2.604E+02 4.225E-12 4.225E-12 6.788E+02
 RESULTANT 1.807E+02 6.539E+01 2.910E+02 5.332E-12 5.332E-12 8.134E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁷ ⁵ ⁹ ⁰ ⁹
 MAXIMUM -2.989E+01 -2.655E+00 -4.968E+01 2.458E-11 0. 1.256E+03
 RESULTANT 4.877E+01 4.352E+00 6.596E+01 3.136E-11 0. 1.596E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁹ ⁵ ⁵ ⁹ ⁰ ⁹
 MAXIMUM 4.145E+01 1.408E+01 -7.318E+01 1.287E-12 0. 7.124E+01
 RESULTANT 6.064E+01 1.958E+01 8.838E+01 1.573E-12 0. 9.931E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁵ ⁰ ⁰ ⁹
 MAXIMUM -2.541E+01 6.710E+00 -8.319E+01 0. 0. 5.049E+02
 RESULTANT 3.975E+01 1.013E+01 8.875E+01 0. 0. 8.564E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁵ ⁰ ⁰ ⁷
 MAXIMUM -6.463E+01 -1.486E+01 -1.247E+02 0. 0. 3.371E+02
 RESULTANT 6.749E+01 1.537E+01 1.289E+02 0. 0. 5.131E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁵ ⁹ ⁹ ⁹
 MAXIMUM -2.525E+01 -9.363E+00 -4.029E+01 2.519E-09 -3.028E-09 -8.922E+04
 RESULTANT 2.667E+01 9.639E+00 4.091E+01 2.972E-09 3.527E-09 1.110E+05

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁵ ⁹ ⁰ ⁷
 MAXIMUM -4.255E+01 -4.799E+00 -8.855E+01 6.012E-12 0. 9.702E+01
 RESULTANT 5.073E+01 8.102E+00 8.921E+01 7.425E-12 0. 1.020E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁵ ⁹ ⁹ ⁷
 MAXIMUM -4.754E+01 -2.264E+01 -1.710E+02 4.394E-11 1.486E-11 4.337E+02
 RESULTANT 7.481E+01 2.404E+01 1.741E+02 5.713E-11 2.001E-11 5.712E+02

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ELEMENT TYPE ( P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 16 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
      5           5           5           9           0           7
MAXIMUM  -4.713E+01 -1.127E+01 -1.686E+02 8.438E-12 0. 2.277E+02
RESULTANT 5.763E+01 1.215E+01 1.751E+02 1.227E-11 0. 3.198E+02
ELEMENT TYPE ( P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 17 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
      9           9           7           9           9           7
MAXIMUM  5.364E+01 2.262E+00 -6.667E+01 -1.648E-12 4.106E-12 1.561E+02
RESULTANT 8.578E+01 4.518E+00 1.012E+02 2.331E-12 5.924E-12 2.275E+02
ELEMENT TYPE ( P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 18 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
      5           5           5           9           0           7
MAXIMUM  -5.778E+01 -7.932E+00 -1.010E+02 -1.388E-10 0. 1.651E+03
RESULTANT 6.023E+01 8.585E+00 1.048E+02 1.619E-10 0. 2.540E+03
ELEMENT TYPE ( P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 19 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
      5           5           5           9           9           7
MAXIMUM  3.567E+00 -9.011E+00 -5.126E+01 -9.462E-11 3.134E-10 5.256E+03
RESULTANT 6.970E+00 9.543E+00 5.229E+01 1.102E-10 3.660E-10 6.920E+03
ELEMENT TYPE ( P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 20 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
      9           5           5           9           0           5
MAXIMUM  -1.406E+01 7.693E+00 -7.383E+01 -2.081E-11 0. -4.871E+02
RESULTANT 2.450E+01 9.334E+00 7.495E+01 2.488E-11 0. 7.089E+02
ELEMENT TYPE ( P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 21 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
      5           9           5           9           0           5
MAXIMUM  -7.756E+01 -8.201E+00 -1.222E+02 -2.191E-10 0. -3.156E+03
RESULTANT 1.017E+02 1.202E+01 1.253E+02 2.655E-10 0. 4.415E+03
ELEMENT TYPE ( P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 22 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
      8           5           5           9           9           5
MAXIMUM  2.692E+01 -4.308E+00 -1.736E+02 -4.095E-12 1.114E-11 -3.386E+02
RESULTANT 3.988E+01 6.639E+00 1.806E+02 5.601E-12 1.405E-11 4.629E+02
ELEMENT TYPE ( P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 23 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
      5           5           5           9           0           7
MAXIMUM  -2.763E+01 -5.361E+00 -8.974E+01 -8.033E-12 0. 3.930E+02
RESULTANT 4.240E+01 8.228E+00 1.148E+02 1.051E-11 0. 6.770E+02

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	5	5	0	9	7
MAXIMUM 2.307E+01 -3.705E+00 -1.096E+02 0. 2.625E-13 1.180E+01					
RESULTANT 3.979E+01 4.720E+00 1.218E+02 0. 3.323E-13 1.791E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	9	5	9	0	7
MAXIMUM 3.171E+01 3.164E+00 -1.015E+02 -1.702E-11 0. 8.464E+02					
RESULTANT 4.598E+01 3.970E+00 1.087E+02 2.122E-11 0. 1.071E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	5	5	9	0	7
MAXIMUM 1.699E+01 -1.299E+01 -8.737E+01 -6.774E-11 0. 2.287E+03					
RESULTANT 2.377E+01 1.333E+01 9.070E+01 8.383E-11 0. 2.613E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	7
MAXIMUM 2.287E+01 -3.000E+00 -1.042E+02 -1.295E-11 -4.502E-12 3.977E+02					
RESULTANT 3.038E+01 3.523E+00 1.079E+02 1.640E-11 5.968E-12 4.288E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	0	7
MAXIMUM 1.594E+01 -5.710E+00 -6.305E+01 0. 0. 1.834E+02					
RESULTANT 1.677E+01 5.886E+00 6.429E+01 0. 0. 2.015E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	5	5	9	0	5
MAXIMUM -4.561E+01 1.144E+01 -1.149E+02 -8.936E-11 0. -3.920E+03					
RESULTANT 7.004E+01 1.501E+01 1.175E+02 1.134E-10 0. 5.578E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
8	5	5	0	0	5
MAXIMUM 2.905E+01 1.102E+01 -1.685E+02 0. 0. -5.091E+02					
RESULTANT 4.300E+01 1.324E+01 1.754E+02 0. 0. 6.535E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	7	5	9	0	5
MAXIMUM 2.443E+01 -5.730E+00 -9.829E+01 2.057E-11 0. 2.804E+02					
RESULTANT 3.378E+01 9.116E+00 1.258E+02 2.902E-11 0. 6.106E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.227E+01 4.019E+00-1.172E+02 3.133E-13 3.133E-13 4.394E+00
RESULTANT 3.843E+01 8.653E+00 1.299E+02 4.155E-13 4.155E-13 1.082E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.150E+01 1.881E+01-1.208E+02 1.641E-11 0. 5.542E+02
RESULTANT 6.362E+01 2.117E+01 1.291E+02 2.217E-11 0. 6.902E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.508E+01 5.120E+01-1.472E+02-4.090E-12 0. 2.211E+02
RESULTANT 6.222E+01 5.240E+01 1.499E+02 6.799E-12 0. 3.398E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.135E+01 2.474E+01-1.505E+02 1.083E-11 0. -7.514E+02
RESULTANT 8.240E+01 2.727E+01 1.565E+02 1.488E-11 0. 9.112E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.257E+01 5.153E+00-8.253E+01 2.307E-11 9.800E-12 7.965E+02
RESULTANT 9.404E+01 7.636E+00 1.110E+02 3.542E-11 1.514E-11 1.264E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.119E+01 9.800E+00-1.136E+02 1.029E-12 1.029E-12 3.148E+01
RESULTANT 7.210E+01 1.356E+01 1.257E+02 1.566E-12 1.566E-12 4.368E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.478E+01 9.400E+00-9.244E+01 3.408E-12 3.408E-12 5.048E+02
RESULTANT 8.825E+01 1.098E+01 9.926E+01 4.832E-12 4.832E-12 6.434E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.286E+01-4.164E+00-5.255E+01 1.958E-11 1.958E-11 7.389E+02
RESULTANT 8.580E+01 4.830E+00 5.490E+01 2.967E-11 2.967E-11 9.797E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

5 5 5 9 9 7

MAXIMUM 4.021E+01 7.365E+00-2.607E+01 3.996E-12 3.996E-12 6.002E+02

RESULTANT 4.115E+01 7.559E+00 2.680E+01 6.051E-12 6.051E-12 7.526E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

5 5 5 7 7 7

MAXIMUM 3.875E+01 7.726E+00-2.903E+01-4.133E-12-4.133E-12 1.155E+03

RESULTANT 3.954E+01 7.802E+00 2.961E+01 6.567E-12 6.567E-12 1.626E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

5 5 5 5 5 7

MAXIMUM 7.925E+01-4.349E+00-6.326E+01 1.606E-10 7.438E-11 2.738E+03

RESULTANT 8.398E+01 6.069E+00 6.508E+01 2.483E-10 1.135E-10 4.004E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

5 5 5 5 5 5

MAXIMUM 1.691E+02 3.088E+01-1.230E+02 1.742E-11 7.485E-12 6.385E+02

RESULTANT 1.816E+02 3.260E+01 1.279E+02 2.348E-11 9.691E-12 7.594E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

5 5 5 5 5 5

MAXIMUM 1.487E+02 3.269E+01-1.486E+02 1.092E-11 1.092E-11 1.331E+03

RESULTANT 1.801E+02 3.537E+01 1.592E+02 1.368E-11 1.368E-11 1.558E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

5 5 5 7 7 9

MAXIMUM 1.692E+02 1.846E+01-7.162E+01 3.049E-11 5.000E-11-3.975E+02

RESULTANT 1.827E+02 1.998E+01 9.030E+01 4.721E-11 7.713E-11 6.916E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

5 5 5 7 7 7

MAXIMUM 1.863E+02 1.602E+01-7.379E+01 2.215E-10 2.894E-10 2.728E+03

RESULTANT 1.969E+02 1.691E+01 7.985E+01 3.289E-10 4.295E-10 4.223E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

5 5 5 7 7 7

MAXIMUM 1.569E+02 4.425E+00-5.911E+01 8.589E-11 1.183E-10 1.531E+03

RESULTANT 1.660E+02 6.018E+00 6.266E+01 1.235E-10 1.702E-10 2.192E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.088E+01-1.792E+01-8.086E+00-9.972E-12-8.604E-12-1.016E+02
RESULTANT 3.283E+01 2.443E+01 1.508E+01 1.134E-11 9.696E-12 1.134E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.641E+01 8.339E+00-8.673E+00-1.841E-12-3.395E-12 4.793E+01
RESULTANT 3.855E+01 9.919E+00 1.186E+01 1.915E-12 3.527E-12 5.245E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.593E+01 1.401E+01 7.506E+00 0. 0. 9.274E+00
RESULTANT 1.735E+01 1.554E+01 1.081E+01 0. 0. 1.259E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.004E+01-8.562E+00 3.779E+01-1.418E-12-4.572E-13 8.452E+01
RESULTANT 2.032E+01 1.133E+01 4.097E+01 1.454E-12 4.862E-13 8.988E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.182E+01-2.815E+01-1.551E+01-2.094E-12-2.094E-12 1.141E+01
RESULTANT 1.213E+01 4.032E+01 2.384E+01 2.180E-12 2.180E-12 2.496E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.550E+00-1.220E+01-9.855E+00-1.243E-12-1.243E-12-1.290E+02
RESULTANT 9.482E+00 1.940E+01 1.173E+01 1.334E-12 1.334E-12 1.317E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.540E+00-1.768E+01-3.754E+01-1.102E-11-1.102E-11 1.059E+02
RESULTANT 1.049E+01 3.066E+01 4.337E+01 1.155E-11 1.155E-11 1.176E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.112E+01-2.079E+01-4.845E+01-6.109E-12-1.158E-11-5.690E+01
RESULTANT 2.783E+01 3.195E+01 5.902E+01 6.449E-12 1.234E-11 6.353E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.995E+01-6.222E+00-1.083E+01-1.109E-11-5.831E-12 7.183E+02
RESULTANT 3.256E+01 1.132E+01 1.283E+01 1.656E-11 8.448E-12 9.229E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.094E+01-2.727E+00-2.118E+01-9.639E-12-9.639E-12 2.385E+02
RESULTANT 2.268E+01 4.908E+00 2.422E+01 1.110E-11 1.110E-11 2.861E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.714E+00 4.757E+00-6.381E+00 0. 0. 6.535E+01
RESULTANT 7.421E+00 6.946E+00 8.168E+00 0. 0. 1.035E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.127E+01-1.902E+01 3.791E+01 6.690E-12 1.072E-11-6.224E+02
RESULTANT 1.227E+01 2.291E+01 3.927E+01 7.017E-12 1.109E-11 6.402E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -8.076E+00 4.168E+01-3.093E+01 0. 0. 3.202E+02
RESULTANT 8.761E+00 5.570E+01 3.162E+01 0. 0. 3.622E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.552E+01-1.063E+01-1.638E+01 0. -1.335E-12 2.428E+02
RESULTANT 1.575E+01 1.736E+01 1.755E+01 0. 1.828E-12 2.532E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.703E+01-4.884E+01-2.554E+01 7.476E-13 2.776E-12-3.037E+02
RESULTANT 2.789E+01 6.543E+01 2.795E+01 1.151E-12 3.080E-12 3.098E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.622E+01-5.225E+01-5.039E+01-4.772E-12-4.772E-12 1.039E+02
RESULTANT 5.311E+01 6.732E+01 5.752E+01 7.338E-12 7.338E-12 1.850E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	36	36	36
MAXIMUM -1.194E+02-3.332E+01-9.162E+01-1.383E-12-1.953E-12-2.294E+02					
RESULTANT 1.348E+02 4.361E+01 1.049E+02 1.606E-12 2.901E-12 2.662E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	0	0	5
MAXIMUM -9.296E+00-1.040E+01 3.267E+01 0. 0. 3.969E+03					
RESULTANT 1.010E+01 1.282E+01 3.317E+01 0. 0. 4.133E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	5	9	5
MAXIMUM -2.624E+00 2.522E+01-1.427E+01 2.344E-11-1.800E-11-4.691E+03					
RESULTANT 3.354E+00 3.346E+01 1.561E+01 3.438E-11 2.911E-11 4.955E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	5	5	5
MAXIMUM 1.405E+01 1.290E+01-1.184E+01-1.757E-10-8.785E-11-2.445E+03					
RESULTANT 1.423E+01 1.635E+01 1.294E+01 2.417E-10 1.208E-10 3.065E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
8	5	5	5	5	5
MAXIMUM -2.674E+00-2.606E+01-1.672E+01-4.789E-12-2.902E-12 1.076E+02					
RESULTANT 4.673E+00 3.721E+01 1.917E+01 6.569E-12 4.103E-12 1.163E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM -2.476E+01-2.493E+01-7.342E+01-3.123E-13-3.123E-13 6.805E+01					
RESULTANT 2.852E+01 3.157E+01 8.440E+01 3.383E-13 3.383E-13 7.372E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	36	0	5
MAXIMUM -6.236E+01-9.637E+00-1.106E+02-1.695E-12 0. -1.131E+02					
RESULTANT 7.260E+01 1.447E+01 1.268E+02 2.578E-12 0. 1.554E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	4	5	5	5	5
MAXIMUM -2.074E+00-5.448E+00-1.328E+01-2.296E-12-2.745E-12-1.863E+01					
RESULTANT 3.695E+00 7.634E+00 2.568E+01 3.651E-12 4.297E-12 3.096E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.932E+00 5.240E+00 6.080E+00 1.683E-12 8.413E-13 -7.085E+01
RESULTANT 7.300E+00 6.680E+00 1.068E+01 2.609E-12 1.304E-12 8.150E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.454E+01 -4.685E+00 3.038E+01 0. 4.359E-11 8.873E+03
RESULTANT 1.505E+01 5.916E+00 3.169E+01 0. 4.627E-11 9.162E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.103E+00 5.646E+00 -7.919E+00 -3.433E-11 -3.433E-11 -1.204E+03
RESULTANT 4.407E+00 9.082E+00 9.545E+00 3.610E-11 3.610E-11 1.646E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.334E+00 1.128E+01 -1.352E+01 1.089E-10 1.634E-10 -1.158E+04
RESULTANT 9.663E+00 1.555E+01 1.404E+01 1.767E-10 2.651E-10 1.177E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.971E+01 3.273E+01 -8.735E+00 1.893E-12 9.463E-13 1.192E+02
RESULTANT 2.165E+01 4.340E+01 1.220E+01 3.255E-12 1.627E-12 1.212E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.964E+01 2.173E+01 -7.041E+01 -1.925E-12 -1.440E-12 6.856E+01
RESULTANT 2.186E+01 2.896E+01 8.164E+01 2.880E-12 2.302E-12 7.321E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.193E+01 9.098E+00 -1.130E+02 0. 0. -1.205E+02
RESULTANT 3.052E+01 1.415E+01 1.286E+02 0. 0. 1.285E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.004E+01 -1.036E+01 1.217E+01 8.846E-13 -1.274E-12 7.787E+01
RESULTANT 1.598E+01 1.776E+01 1.881E+01 1.244E-12 1.807E-12 8.954E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.003E+01 6.583E+00 1.733E+01 3.780E-13 3.780E-13 4.506E+01
RESULTANT 6.238E+01 1.161E+01 2.389E+01 5.918E-13 5.918E-13 4.990E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.000E+02 7.713E+00 -1.333E+01 0. 0. 2.247E+01
RESULTANT 1.032E+02 9.191E+00 1.738E+01 0. 0. 3.154E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.025E+01 1.558E+01 3.043E+01 3.226E-13 0. -3.773E+01
RESULTANT 9.248E+01 1.628E+01 3.677E+01 3.510E-13 0. 4.037E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.493E+01 2.448E+01 -1.321E+01 -1.968E-13 -1.968E-13 -5.105E+00
RESULTANT 8.616E+01 2.478E+01 1.970E+01 2.303E-13 2.303E-13 7.606E+00

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.474E+01 3.061E+01 -1.930E+01 1.974E-13 3.947E-13 5.818E+01
RESULTANT 9.560E+01 3.465E+01 2.542E+01 2.706E-13 5.412E-13 6.141E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.988E+01 1.326E+02 8.920E+00 2.958E-12 -5.860E-13 -3.250E+02
RESULTANT 8.352E+01 1.615E+02 1.792E+01 3.469E-12 1.036E-12 3.405E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.473E+01 1.352E+02 -2.023E+01 6.129E-12 6.129E-12 -1.575E+02
RESULTANT 8.338E+01 1.619E+02 3.127E+01 1.210E-11 1.210E-11 3.056E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.836E+01 8.605E+01 -7.305E+01 -1.046E-12 -3.575E-12 -1.734E+02
RESULTANT 3.326E+01 1.035E+02 8.484E+01 1.333E-12 4.770E-12 2.210E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.564E+00 -1.017E+01 -1.058E+01 6.129E-12 5.385E-12 9.596E+01
RESULTANT 1.054E+01 1.715E+01 1.630E+01 7.258E-12 6.382E-12 1.276E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.908E+00 2.643E+01 2.124E+01 6.203E-12 6.203E-12 6.078E+01
RESULTANT 1.229E+01 4.397E+01 3.441E+01 6.980E-12 6.980E-12 8.172E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.947E+01 -1.049E+01 2.371E+01 7.804E-13 1.728E-12 2.789E+01
RESULTANT 3.058E+01 1.696E+01 3.678E+01 8.687E-13 1.909E-12 3.204E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.502E+01 -1.111E+01 1.902E+01 0. 0. -2.255E+02
RESULTANT 4.647E+01 1.427E+01 2.954E+01 0. 0. 2.334E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.536E+01 -5.033E+00 3.007E+01 -1.294E-13 -7.211E-13 5.242E+01
RESULTANT 1.586E+01 7.078E+00 3.974E+01 1.477E-13 7.415E-13 5.442E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.147E+00 1.933E+01 -1.755E+01 0. 0. 5.983E+00
RESULTANT 6.464E+00 2.011E+01 2.621E+01 0. 0. 9.091E+00

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.118E+01 2.098E+01 -1.898E+01 9.126E-13 9.126E-13 -6.047E+01
RESULTANT 1.155E+01 2.519E+01 2.578E+01 9.478E-13 9.478E-13 6.215E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -9.043E+00 7.471E+01 -7.490E+01 1.139E-11 1.139E-11 8.488E+01
RESULTANT 1.055E+01 9.617E+01 8.141E+01 1.216E-11 1.216E-11 9.462E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	0	0	5
MAXIMUM	-8.853E+01	1.908E+01	5.363E+01	0.	-9.981E+02
RESULTANT	9.381E+01	2.308E+01	6.362E+01	0.	1.094E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	9	5	5	7
MAXIMUM	-1.560E+02	2.767E+01	-2.614E+01	-9.242E-11	-4.621E-11
RESULTANT	1.627E+02	3.251E+01	4.108E+01	1.012E-10	5.060E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	9	5	5	5
MAXIMUM	-1.278E+02	1.126E+01	-4.670E+01	9.172E-11	9.172E-11
RESULTANT	1.316E+02	1.573E+01	5.830E+01	9.652E-11	9.652E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	9	5	5	5
MAXIMUM	-1.319E+02	7.691E+00	-4.628E+01	4.520E-11	4.520E-11
RESULTANT	1.351E+02	1.151E+01	7.121E+01	4.703E-11	4.703E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	0	5	5
MAXIMUM	-1.213E+02	-2.521E+01	-5.597E+01	0.	-1.962E-11
RESULTANT	1.241E+02	2.656E+01	6.893E+01	0.	2.007E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	0	5	5
MAXIMUM	-8.489E+01	-4.430E+01	-5.559E+01	-3.317E-11	0.
RESULTANT	8.808E+01	4.551E+01	7.042E+01	3.348E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM	-1.204E+02	-3.288E+01	5.568E+01	-1.516E-11	-1.302E-11
RESULTANT	1.230E+02	3.633E+01	8.760E+01	1.541E-11	1.320E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	7
MAXIMUM	-1.542E+02	-1.179E+01	-6.209E+01	-1.285E-10	-6.425E-11
RESULTANT	1.583E+02	1.323E+01	8.231E+01	1.315E-10	6.577E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁹ ⁹ ⁵ ⁰ ⁵
 MAXIMUM -1.573E+02 -7.677E+00 -5.203E+01 6.970E-11 0. -6.294E+01
 RESULTANT 1.641E+02 1.202E+01 6.688E+01 7.221E-11 0. 1.526E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -1.374E+02 1.014E+01 -4.232E+01 -2.268E-10 -1.792E-10 -6.973E+02
 RESULTANT 1.542E+02 1.266E+01 6.784E+01 2.425E-10 1.911E-10 9.746E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -7.908E+01 -3.418E+01 -4.594E+01 7.580E-12 7.580E-12 -4.072E+02
 RESULTANT 9.682E+01 5.449E+01 7.041E+01 8.918E-12 8.918E-12 4.659E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁷ ⁷
 MAXIMUM -4.545E+01 -2.761E+01 -4.407E+01 -1.130E-11 -5.491E-13 7.824E+01
 RESULTANT 6.402E+01 4.073E+01 6.171E+01 1.261E-11 7.137E-13 1.017E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁹ ⁷ ⁹ ⁵ ⁵ ⁵
 MAXIMUM 2.678E+01 -9.300E+00 -5.517E+01 2.179E-11 2.179E-11 1.589E+02
 RESULTANT 4.052E+01 1.628E+01 6.725E+01 2.294E-11 2.294E-11 1.788E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁹ ¹² ⁹ ⁰ ⁰ ⁷
 MAXIMUM 1.574E+01 4.027E+00 -5.433E+01 0. 0. 3.512E+01
 RESULTANT 2.800E+01 1.062E+01 6.523E+01 0. 0. 5.772E+01
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁴⁷ ⁹ ⁹ ⁰ ⁰ ⁷
 MAXIMUM -1.245E+01 -1.124E+01 -6.080E+01 0. 0. 9.602E+01
 RESULTANT 2.369E+01 1.574E+01 7.323E+01 0. 0. 1.453E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁴⁰ ⁹ ⁹ ⁵ ⁰ ⁵
 MAXIMUM 1.308E+01 2.886E+01 -5.950E+01 -6.080E-11 0. 9.743E+02
 RESULTANT 2.771E+01 4.373E+01 7.165E+01 6.143E-11 0. 1.016E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	5	9	5	5	5
MAXIMUM -2.293E+01 -1.590E+01 -5.075E+01 -2.395E-11 -2.265E-11 -3.442E+02					
RESULTANT 4.530E+01 2.448E+01 5.941E+01 2.424E-11 2.292E-11 3.570E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	0	5
MAXIMUM -3.506E+01 -6.064E+01 -4.859E+01 7.197E-11 0. 6.664E+01					
RESULTANT 5.640E+01 8.125E+01 6.498E+01 7.489E-11 0. 1.121E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM -6.001E+01 -6.324E+01 5.808E+01 -2.437E-10 -1.936E-10 -4.211E+02					
RESULTANT 9.403E+01 9.244E+01 9.904E+01 2.626E-10 2.082E-10 6.875E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	4	5	5	5	9
MAXIMUM -2.572E+01 -8.666E+00 -3.147E+01 -2.637E-10 -1.319E-10 1.349E+03					
RESULTANT 1.613E+01 9.564E+00 4.825E+01 3.566E-10 1.783E-10 2.028E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	9	5	5	5
MAXIMUM -5.993E+01 3.678E+01 -6.632E+01 7.561E-12 7.561E-12 -4.759E+02					
RESULTANT 8.589E+01 5.564E+01 9.076E+01 9.146E-12 9.146E-12 5.576E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	7	5	7
MAXIMUM -1.475E+02 -1.691E+01 -4.888E+01 -7.410E-13 -1.148E-11 6.712E+01					
RESULTANT 1.722E+02 2.550E+01 6.236E+01 9.763E-13 1.264E-11 8.843E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	5
MAXIMUM -1.243E+02 -1.785E+01 -4.478E+01 7.123E-10 7.123E-10 6.858E+03					
RESULTANT 1.323E+02 1.959E+01 5.295E+01 7.488E-10 7.488E-10 7.675E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	5
MAXIMUM -8.430E+01 -1.981E+01 -4.350E+01 3.749E-10 3.749E-10 3.648E+03					
RESULTANT 8.777E+01 2.087E+01 5.908E+01 3.889E-10 3.889E-10 4.309E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	0	5	5
MAXIMUM -6.57E+01 -1.412E+01 -5.037E+01 0. -5.748E-10 5.855E+03					
RESULTANT 6.761E+01 1.775E+01 5.855E+01 0. 5.882E-10 6.823E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	9	5	5	5
MAXIMUM -3.238E+01 2.443E+01 -4.709E+01 -1.908E-09 -1.908E-09 1.045E+04					
RESULTANT 3.666E+01 3.295E+01 5.601E+01 1.929E-09 1.929E-09 1.182E+04					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	5
MAXIMUM -5.119E+01 -1.168E+01 -3.178E+01 -1.511E-09 -7.557E-10 -1.540E+04					
RESULTANT 6.090E+01 1.458E+01 4.106E+01 1.528E-09 7.638E-10 1.601E+04					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	4	7	5	5	7
MAXIMUM 2.529E+01 -1.051E+01 1.779E+01 -1.413E-10 -7.067E-11 1.013E+03					
RESULTANT 4.857E+01 1.373E+01 3.180E+01 1.905E-10 9.526E-11 1.353E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	9	9	0	0	5
MAXIMUM 2.084E+01 3.060E+01 -4.037E+01 0. 0. -3.989E+02					
RESULTANT 3.332E+01 4.536E+01 5.256E+01 0. 0. 5.327E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	9	9	9	5	9
MAXIMUM 3.345E+01 1.282E+01 -3.856E+01 -4.760E-13 2.524E-11 5.385E+01					
RESULTANT 5.047E+01 1.670E+01 4.733E+01 8.017E-13 2.712E-11 9.070E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	0	5
MAXIMUM -2.520E+01 -5.598E+00 -2.993E+01 1.153E-11 0. 1.068E+02					
RESULTANT 3.575E+01 8.459E+00 3.546E+01 1.208E-11 0. 1.358E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	4	9	0	0	5
MAXIMUM -3.597E+01 -3.342E+00 -4.245E+01 0. 0. -1.079E+02					
RESULTANT 3.799E+01 6.845E+00 5.519E+01 0. 0. 1.350E+02					


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ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 33)
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  9          4          9          5          5          5
MAXIMUM      1.364E+01-1.644E+01-2.924E+01 1.022E-11 1.022E-11-1.816E+02
RESULTANT    1.883E+01 2.711E+01 4.140E+01 1.210E-11 1.210E-11 2.499E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 34)
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  9          5          9          5          5          5
MAXIMUM      3.110E+01-7.802E+00-4.344E+01-1.265E-11-3.493E-13 4.977E+01
RESULTANT    4.838E+01 1.443E+01 5.795E+01 1.376E-11 5.322E-13 7.583E+01
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 35)
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          9          5          5          5
MAXIMUM      3.834E+01 3.689E+00-2.383E+01 1.431E-09 1.431E-09 1.212E+04
RESULTANT    5.019E+01 6.936E+00 3.332E+01 1.501E-09 1.501E-09 1.321E+04
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 36)
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          9          0          0          5
MAXIMUM      3.364E+01 8.082E+00-2.492E+01 0. 0. 3.608E+04
RESULTANT    3.794E+01 1.026E+01 3.322E+01 0. 0. 4.613E+04
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 37)
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          9          5          5          5
MAXIMUM      3.111E+01 9.928E+00-2.733E+01-4.301E-09-4.301E-09 2.411E+04
RESULTANT    3.376E+01 1.042E+01 3.727E+01 4.409E-09 4.409E-09 2.566E+04
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 38)
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          9          5          5          5
MAXIMUM      2.212E+01 1.226E+01-3.430E+01-1.829E-09-1.829E-09-2.015E+04
RESULTANT    2.479E+01 1.346E+01 4.637E+01 1.848E-09 1.848E-09 2.052E+04
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 39)
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          9          5          5          5
MAXIMUM      5.452E+01 1.423E+01-2.388E+01-1.433E-09-7.164E-10-1.377E+04
RESULTANT    6.075E+01 1.662E+01 4.064E+01 1.447E-09 7.236E-10 1.456E+04
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 40)
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  1          9          9          5          5          5
MAXIMUM      -2.247E+01-8.122E+00-4.803E+01 2.205E-11 2.205E-11-2.878E+02
RESULTANT    3.529E+01 1.463E+01 6.986E+01 2.310E-11 2.310E-11 2.933E+02

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)									
XX-S/R		YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R			
21		9	9	0	0	5			
MAXIMUM		-3.904E+01	-6.312E+00	-5.883E+01	0.	0.	1.037E+02		
RESULTANT		4.816E+01	1.221E+01	8.572E+01	0.	0.	1.204E+02		
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)									
XX-S/R		YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R			
21		9	9	0	5	5			
MAXIMUM		-5.918E+01	-6.204E+00	-6.258E+01	0.	-4.250E-12	9.050E+01		
RESULTANT		7.098E+01	1.181E+01	8.969E+01	0.	4.347E-12	1.031E+02		
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)									
XX-S/R		YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R			
21		5	9	5	0	5			
MAXIMUM		-6.091E+01	1.655E+01	-6.383E+01	-6.945E-12	0.	-9.314E+01		
RESULTANT		8.440E+01	2.023E+01	9.285E+01	7.009E-12	0.	1.038E+02		
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)									
XX-S/R		YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R			
9		5	7	5	5	5			
MAXIMUM		-2.635E+01	3.647E+01	5.547E+01	-1.031E-11	-1.000E-11	-8.308E+01		
RESULTANT		5.206E+01	4.607E+01	8.595E+01	1.043E-11	1.011E-11	9.793E+01		
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)									
XX-S/R		YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R			
5		5	5	5	5	5			
MAXIMUM		3.070E+01	1.380E+02	-7.925E+01	-1.570E-11	-1.033E-12	1.472E+02		
RESULTANT		5.815E+01	1.719E+02	1.071E+02	1.599E-11	1.060E-12	1.510E+02		
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)									
XX-S/R		YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R			
5		5	5	0	5	5			
MAXIMUM		8.947E+01	1.818E+02	4.790E+01	0.	-3.482E-11	-8.966E+01		
RESULTANT		1.091E+02	2.263E+02	6.138E+01	0.	3.618E-11	1.301E+02		
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)									
XX-S/R		YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R			
5		5	5	5	5	5			
MAXIMUM		7.062E+01	1.254E+02	-9.939E+01	-2.940E-10	-2.368E-10	4.848E+02		
RESULTANT		8.613E+01	1.667E+02	1.263E+02	3.177E-10	2.559E-10	6.117E+02		
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)									
XX-S/R		YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R			
5		7	7	0	0	7			
MAXIMUM		6.842E+01	2.905E+01	6.545E+01	0.	0.	8.197E+02		
RESULTANT		7.633E+01	4.588E+01	9.275E+01	0.	0.	1.165E+03		

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.056E+02 1.471E+01 3.096E+01 9.721E-11 9.721E-11 6.021E+02
RESULTANT 1.105E+02 2.372E+01 4.272E+01 1.016E-10 1.016E-10 6.322E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.282E+02 1.487E+01 8.686E+01 4.927E-11 4.927E-11 2.194E+02
RESULTANT 1.322E+02 1.883E+01 1.178E+02 5.097E-11 5.097E-11 3.078E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.225E+02 2.687E+01 4.646E+01 0. -1.897E-11 1.420E+02
RESULTANT 1.260E+02 2.794E+01 6.462E+01 0. 1.937E-11 1.699E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.582E+01 3.757E+01 4.583E+01 -3.064E-11 0. -2.324E+02
RESULTANT 8.781E+01 3.894E+01 6.650E+01 3.090E-11 0. 3.258E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.229E+02 3.527E+01 4.711E+01 -1.189E-11 -1.126E-11 -1.443E+02
RESULTANT 1.254E+02 3.761E+01 7.559E+01 1.212E-11 1.142E-11 2.066E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.670E+02 7.150E+00 4.407E+01 -1.215E-10 -6.075E-11 5.842E+02
RESULTANT 1.735E+02 1.112E+01 6.533E+01 1.239E-10 6.195E-11 6.003E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.661E+02 -8.842E+00 -3.597E+01 6.709E-11 0. -5.117E+02
RESULTANT 1.776E+02 9.289E+00 4.979E+01 6.934E-11 0. 7.045E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.262E+02 3.871E+01 6.095E+01 -1.044E-10 -5.221E-11 5.900E+02
RESULTANT 1.347E+02 6.793E+01 9.035E+01 1.140E-10 5.699E-11 9.510E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.270E+02 1.805E+01 3.812E+01 1.012E-10 1.012E-10-4.566E+02
RESULTANT 1.318E+02 3.089E+01 5.257E+01 1.057E-10 1.057E-10 5.122E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.490E+01 -1.970E+01 -5.618E+01 9.943E-11 3.395E-11 -6.030E+02
RESULTANT 5.648E+01 3.029E+01 6.855E+01 1.326E-10 4.586E-11 9.668E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.190E+02 6.331E+00 -1.054E+02 1.254E-11 4.363E-12 -6.586E+01
RESULTANT 1.297E+02 1.022E+01 1.185E+02 1.608E-11 5.574E-12 9.004E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.573E+01 1.381E+01 -7.136E+01 2.043E-10 6.995E-11 -6.416E+02
RESULTANT 8.267E+01 1.555E+01 7.747E+01 2.548E-10 8.675E-11 9.191E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -6.798E+01 -4.181E+00 -5.342E+01 1.287E-11 4.367E-12 -3.480E+01
RESULTANT 7.137E+01 6.256E+00 5.664E+01 1.577E-11 5.315E-12 4.968E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.704E+01 7.698E+00 -5.757E+01 6.845E-11 0. -5.111E+02
RESULTANT 8.053E+01 9.239E+00 5.960E+01 8.295E-11 0. 5.820E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.115E+01 1.577E+01 -6.625E+01 2.657E-10 8.874E-11 3.730E+02
RESULTANT 6.732E+01 1.697E+01 6.800E+01 3.620E-10 1.210E-10 5.062E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.002E+02 -1.108E+01 -1.046E+02 3.694E-11 1.258E-11 2.021E+02
RESULTANT 1.070E+02 1.136E+01 1.101E+02 5.345E-11 1.839E-11 2.793E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -9.198E+01 -4.467E+01 -8.288E+01 1.910E-11 6.492E-12 8.380E+01
RESULTANT 1.063E+02 5.116E+01 8.711E+01 2.799E-11 9.619E-12 1.198E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.153E+02 -7.458E+01 -1.133E+02 6.012E-11 3.133E-11 6.836E+02
RESULTANT 1.453E+02 8.393E+01 1.261E+02 8.950E-11 4.735E-11 1.126E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.417E+01 -2.549E+01 -4.560E+01 6.179E-11 6.179E-11 8.841E+02
RESULTANT 4.555E+01 3.767E+01 6.921E+01 8.155E-11 8.155E-11 1.375E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.443E+01 -1.527E+01 -1.646E+02 5.947E-11 8.920E-11 2.109E+02
RESULTANT 4.881E+01 1.624E+01 1.688E+02 6.979E-11 1.047E-10 3.541E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.611E+01 3.236E+00 -1.005E+02 6.258E-12 9.387E-12 3.904E+01
RESULTANT 3.308E+01 4.681E+00 1.018E+02 7.378E-12 1.107E-11 6.044E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.394E+01 -5.866E+00 -7.948E+01 6.751E-11 1.013E-10 -2.976E+02
RESULTANT 2.395E+01 7.617E+00 8.039E+01 8.156E-11 1.223E-10 3.609E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.685E+01 -9.923E+00 -1.555E+02 9.478E-11 1.422E-10 -4.802E+02
RESULTANT 5.062E+01 1.064E+01 1.589E+02 1.340E-10 2.010E-10 6.645E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.542E+01 -1.062E+02 -1.517E+02 1.213E-10 1.819E-10 -6.853E+02
RESULTANT 8.499E+01 1.166E+02 1.729E+02 1.858E-10 2.787E-10 1.040E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.032E+01 1.928E+01 6.051E+01 8.093E-12 8.093E-12 3.559E+02
RESULTANT 9.592E+01 2.320E+01 8.961E+01 1.259E-11 1.259E-11 4.248E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.033E+01 -2.946E+01 -1.012E+02 0. 0. -4.473E+03
RESULTANT 7.269E+01 3.002E+01 1.041E+02 0. 0. 5.778E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.218E+01 -1.557E+01 -9.055E+01 1.158E-09 1.158E-09 1.380E+04
RESULTANT 6.350E+01 1.644E+01 9.275E+01 1.378E-09 1.378E-09 1.663E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.978E+01 3.677E+00 -1.565E+02 -1.939E-11 -1.939E-11 2.344E+02
RESULTANT 4.093E+01 6.454E+00 1.602E+02 2.446E-11 2.446E-11 4.056E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.826E+01 -6.604E+01 -9.830E+01 -2.247E-11 -2.247E-11 -5.502E+02
RESULTANT 3.872E+01 7.483E+01 1.131E+02 2.899E-11 2.899E-11 9.075E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.711E+00 -7.233E+00 -7.428E+01 -2.040E-11 2.033E-11 3.431E+02
RESULTANT 6.209E+00 1.126E+01 9.932E+01 2.803E-11 2.870E-11 4.752E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.661E+01 5.515E+00 -1.261E+02 -3.913E-13 1.798E-12 8.434E+00
RESULTANT 3.639E+01 1.017E+01 1.390E+02 4.808E-13 2.283E-12 1.401E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.706E+01 2.018E+01 -9.368E+01 0. 9.456E-11 1.015E+03
RESULTANT 4.832E+01 2.268E+01 1.005E+02 0. 1.203E-10 1.582E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁹	⁵	⁵	⁹	⁹	⁷
MAXIMUM	9.850E+00	9.116E+00	-5.480E+01	-1.958E-10	1.919E-10
RESULTANT	1.344E+01	1.069E+01	5.742E+01	2.421E-10	2.417E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁹	⁵	⁵	⁹	⁹	⁵
MAXIMUM	1.061E+01	3.400E+01	-6.730E+01	3.834E-10	1.135E-09
RESULTANT	1.588E+01	3.473E+01	6.903E+01	4.675E-10	1.403E-09

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	⁹	⁹	⁷
MAXIMUM	3.314E+01	2.361E+01	-9.181E+01	-8.691E-10	9.088E-10
RESULTANT	4.707E+01	2.444E+01	9.320E+01	1.096E-09	1.170E-09

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁸	⁵	⁵	⁹	⁹	⁷
MAXIMUM	2.969E+01	1.483E+01	-1.588E+02	7.543E-12	2.208E-11
RESULTANT	4.053E+01	1.749E+01	1.622E+02	1.053E-11	3.252E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
³⁶	⁵	⁵	⁹	⁹	⁷
MAXIMUM	3.907E+01	-5.235E+01	-7.792E+01	8.509E-12	2.286E-11
RESULTANT	6.300E+01	5.932E+01	8.844E+01	1.324E-11	4.152E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁹	⁵	⁵	⁹	⁹	⁹
MAXIMUM	2.074E+01	-2.608E+01	-9.701E+01	5.815E-11	5.815E-11
RESULTANT	2.889E+01	3.335E+01	1.272E+02	8.407E-11	8.407E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁷	⁵	⁹	⁹	⁹
MAXIMUM	2.203E+01	1.177E+01	-1.267E+02	5.219E-12	6.958E-12
RESULTANT	3.813E+01	2.219E+01	1.386E+02	7.199E-12	9.598E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁹	⁵	⁵	⁹	⁹	⁹
MAXIMUM	3.078E+01	3.577E+01	-1.518E+02	1.046E-10	2.092E-10
RESULTANT	4.569E+01	4.022E+01	1.612E+02	1.422E-10	2.843E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ 3.245E+01 ⁵ 3.383E+01 ⁵ 1.540E+02 ⁵ 8.785E-11 ⁵ 1.318E-10 ⁵ 1.039E+02
 XIMUM 3.245E+01 3.383E+01 1.540E+02 8.785E-11 1.318E-10 1.039E+02
 SULTANT 5.515E+01 3.732E+01 1.585E+02 1.357E-10 2.036E-10 2.038E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ 2.975E+01 ⁵ 5.827E+01 ⁵ 7.608E+01 ⁵ 1.674E-10 ⁵ 2.511E-10 ⁵ 1.140E+03
 XIMUM 2.975E+01 5.827E+01 7.608E+01 1.674E-10 2.511E-10 1.140E+03
 SULTANT 4.769E+01 6.355E+01 8.422E+01 2.346E-10 3.520E-10 1.272E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁹ 3.215E+01 ⁵ 3.660E+01 ⁵ 8.201E+01 ⁵ 1.286E-10 ⁹ 4.468E-11 ⁹ 9.064E+02
 XIMUM 3.215E+01 3.660E+01 8.201E+01 1.286E-10 4.468E-11 9.064E+02
 SULTANT 4.894E+01 4.170E+01 1.140E+02 1.999E-10 6.995E-11 1.418E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ 6.509E+01 ⁷ 1.491E+01 ⁵ 1.179E+02 ⁹ 4.690E-12 ⁰ 3.754E+01
 XIMUM 6.509E+01 1.491E+01 1.179E+02 4.690E-12 0. 3.754E+01
 SULTANT 7.475E+01 3.414E+01 1.313E+02 7.100E-12 0. 6.681E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ 4.547E+01 ⁵ 1.011E+01 ⁵ 7.997E+01 ⁵ 1.764E-10 ⁹ 5.707E-11 ⁹ 6.105E+02
 XIMUM 4.547E+01 1.011E+01 7.997E+01 1.764E-10 5.707E-11 6.105E+02
 SULTANT 5.615E+01 1.101E+01 8.553E+01 2.639E-10 8.602E-11 1.058E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ 6.798E+01 ⁵ 2.055E+01 ⁵ 8.887E+01 ⁵ 1.504E-10 ⁹ 4.703E-11 ⁹ 1.077E+03
 XIMUM 6.798E+01 2.055E+01 8.887E+01 1.504E-10 4.703E-11 1.077E+03
 SULTANT 7.457E+01 2.131E+01 9.210E+01 2.263E-10 7.190E-11 1.377E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ 6.991E+01 ⁵ 2.549E+01 ⁵ 1.166E+02 ⁷ 1.951E-10 ⁷ 6.223E-11 ⁵ 1.475E+03
 XIMUM 6.991E+01 2.549E+01 1.166E+02 1.951E-10 6.223E-11 1.475E+03
 SULTANT 8.158E+01 2.716E+01 1.189E+02 2.869E-10 9.040E-11 1.980E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ 1.065E+02 ⁵ 2.850E+01 ⁵ 9.944E+01 ⁵ 4.370E-11 ⁷ 2.194E-11 ⁵ 1.541E+02
 XIMUM 1.065E+02 2.850E+01 9.944E+01 4.370E-11 2.194E-11 1.541E+02
 SULTANT 1.183E+02 3.097E+01 1.026E+02 6.518E-11 3.285E-11 2.250E+02


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ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 40 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
MAXIMUM      1.327E+02 3.543E+01 -9.133E+01 5.254E-11 2.730E-11 -4.122E+02
RESULTANT      1.489E+02 3.967E+01 9.729E+01 7.741E-11 3.943E-11 5.003E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 41 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
MAXIMUM      9.923E+01 -2.524E+01 -4.670E+01 0. -2.569E-11 6.355E+02
RESULTANT      1.085E+02 4.952E+01 6.533E+01 0. 4.040E-11 1.036E+03
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 42 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
MAXIMUM      1.249E+02 -6.478E+00 -5.416E+01 -3.523E-10 -4.368E-10 1.502E+03
RESULTANT      1.318E+02 7.044E+00 5.948E+01 5.373E-10 6.674E-10 2.331E+03
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 43 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
MAXIMUM      1.054E+02 -8.960E+00 -7.699E+01 -1.644E-10 -3.291E-10 4.074E+02
RESULTANT      1.091E+02 1.405E+01 7.989E+01 2.426E-10 4.851E-10 7.129E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 1 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
MAXIMUM      -2.178E+01 -1.941E+01 -6.108E+01 -1.544E-11 -1.358E-11 -2.453E+02
RESULTANT      3.330E+01 3.633E+01 7.179E+01 1.746E-11 1.526E-11 2.589E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 2 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
MAXIMUM      -3.751E+00 4.301E+00 2.613E+01 -2.841E-12 -5.030E-12 1.084E+02
RESULTANT      5.657E+00 8.320E+00 2.853E+01 2.958E-12 5.259E-12 1.172E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 3 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
MAXIMUM      1.301E+01 1.045E+01 -2.374E+00 0. 0. -1.085E+02
RESULTANT      1.340E+01 1.349E+01 5.541E+00 0. 0. 1.098E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 4 )
      XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
MAXIMUM      2.587E+01 -3.984E+00 5.142E+01 -2.144E-12 -7.113E-13 1.315E+02
RESULTANT      2.645E+01 8.934E+00 5.191E+01 2.214E-12 7.626E-13 1.410E+02

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵
 MAXIMUM 1.824E+01 -2.469E+01 -6.454E+00 -3.032E-12 -3.032E-12 1.635E+01
 RESULTANT 1.860E+01 2.927E+01 1.066E+01 3.235E-12 3.235E-12 2.633E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵
 MAXIMUM 2.128E+01 -1.714E+01 -4.310E+01 -1.763E-12 -1.763E-12 -1.852E+02
 RESULTANT 2.164E+01 2.777E+01 4.365E+01 1.952E-12 1.952E-12 1.897E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵
 MAXIMUM 9.656E+00 -3.701E+01 -4.584E+01 -1.616E-11 -1.616E-11 1.953E+02
 RESULTANT 1.274E+01 6.371E+01 5.839E+01 1.722E-11 1.722E-11 2.195E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵
 MAXIMUM -1.077E+01 1.643E+01 -6.536E+01 -6.623E-12 -1.090E-11 -1.826E+02
 RESULTANT 2.045E+01 3.010E+01 8.194E+01 7.006E-12 1.198E-11 2.114E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁷
 MAXIMUM -1.565E+01 -1.103E+01 -2.082E+01 1.414E-10 5.947E-11 3.671E+03
 RESULTANT 2.614E+01 1.759E+01 3.211E+01 1.998E-10 8.688E-11 4.823E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵
 MAXIMUM -5.225E+01 -2.016E+01 -6.359E+00 -4.093E-12 -2.178E-12 2.233E+02
 RESULTANT 5.497E+01 2.760E+01 1.292E+01 4.862E-12 3.371E-12 2.304E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵
 MAXIMUM -3.802E+01 -9.125E+00 2.074E+01 -2.168E-12 -2.168E-12 -9.839E+01
 RESULTANT 4.067E+01 1.713E+01 2.247E+01 2.617E-12 2.617E-12 1.083E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵
 MAXIMUM -1.092E+01 -9.749E+00 6.321E+00 0. 0. 7.103E+01
 RESULTANT 1.131E+01 1.627E+01 9.796E+00 0. 0. 7.410E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.583E+00-4.701E+00 4.119E+01 1.073E-11 1.691E-11-9.017E+02
RESULTANT 9.487E+00 7.934E+00 4.157E+01 1.154E-11 1.787E-11 9.452E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.254E+01 1.340E+01-4.098E+00 0. 0. 2.172E+02
RESULTANT 1.311E+01 1.963E+01 7.693E+00 0. 0. 2.553E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.589E+01 1.315E+01-2.216E+01-1.306E-11-1.959E-11 1.509E+03
RESULTANT 2.752E+01 2.160E+01 2.390E+01 2.097E-11 3.145E-11 1.548E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.451E+01-7.679E+01-1.170E+01 1.431E-12 4.197E-12-4.836E+02
RESULTANT 1.629E+01 1.136E+02 1.408E+01 2.195E-12 4.699E-12 4.919E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.005E+01-5.383E+01-2.155E+01-2.601E-11-2.601E-11 1.625E+03
RESULTANT 4.941E+01 8.241E+01 2.478E+01 3.512E-11 3.512E-11 1.991E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.809E+01-5.816E+01-6.546E+01-4.226E-12-2.251E-12-7.006E+02
RESULTANT 7.028E+01 9.965E+01 7.665E+01 5.536E-12 3.425E-12 9.178E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.121E+01 4.024E+01-9.148E+01 1.412E-13 0. 2.944E+01
RESULTANT 2.529E+01 7.655E+01 1.294E+02 2.108E-13 0. 4.395E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.889E+01-1.590E+01 3.789E+01 4.487E-11 4.487E-11 8.883E+03
RESULTANT 4.080E+01 1.698E+01 5.442E+01 6.409E-11 6.409E-11 1.099E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.897E+01 7.715E+00 -9.458E+00 -2.687E-09 -2.263E-09 -9.192E+03
RESULTANT 2.269E+01 1.211E+01 1.717E+01 3.249E-09 2.706E-09 1.197E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.156E+01 -3.373E+00 3.356E+01 -4.388E-10 -9.485E-10 8.087E+03
RESULTANT 2.281E+01 6.554E+00 3.596E+01 4.820E-10 1.024E-09 8.712E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.334E+00 -8.565E+00 -8.304E+00 0. 0. -2.078E+04
RESULTANT 5.851E+00 1.353E+01 1.206E+01 0. 0. 2.285E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.835E+01 -4.490E+01 -3.253E+01 -7.278E-12 -4.395E-12 1.690E+02
RESULTANT 2.017E+01 7.402E+01 3.537E+01 1.004E-11 6.248E-12 1.845E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.563E+01 3.215E+01 -5.471E+01 -8.773E-12 -8.773E-12 1.912E+03
RESULTANT 2.036E+01 5.581E+01 6.023E+01 1.070E-11 1.070E-11 2.332E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.002E+01 2.389E+01 -6.987E+01 5.824E-12 0. -8.248E+02
RESULTANT 4.625E+01 4.029E+01 7.945E+01 7.599E-12 0. 9.937E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.669E+01 1.848E+01 -1.044E+02 9.448E-13 3.149E-13 1.887E+01
RESULTANT 4.424E+01 3.131E+01 1.507E+02 1.432E-12 4.774E-13 2.938E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.627E+01 -1.559E+01 3.105E+01 9.067E-11 6.045E-11 1.963E+03
RESULTANT 4.232E+01 1.801E+01 4.584E+01 1.526E-10 1.018E-10 3.412E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	4	5	5	5	5
MAXIMUM	3.092E+00	-3.427E+01	-5.822E+01	-2.825E-12	-3.434E-12
RESULTANT	7.364E+00	5.470E+01	8.424E+01	4.989E-12	5.904E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	9	0	5
MAXIMUM	2.147E+01	8.264E+00	7.146E+00	1.969E-10	0.
RESULTANT	2.477E+01	1.263E+01	1.115E+01	2.655E-10	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM	3.736E+01	4.510E+00	3.758E+01	1.615E-10	2.398E-10
RESULTANT	3.994E+01	6.664E+00	4.045E+01	2.093E-10	3.095E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	8	8	5
MAXIMUM	2.248E+01	-3.702E+01	-2.612E+01	2.993E-12	1.497E-12
RESULTANT	2.489E+01	6.651E+01	2.883E+01	5.003E-12	2.502E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
7	7	5	20	20	34
MAXIMUM	-7.712E+00	-2.890E+01	-6.345E+01	4.144E-11	3.243E-11
RESULTANT	1.300E+01	4.953E+01	7.060E+01	4.559E-11	3.604E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	0	34
MAXIMUM	-2.257E+01	2.650E+01	-8.006E+01	0.	0.
RESULTANT	2.802E+01	4.635E+01	8.971E+01	0.	4.890E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	36	0	5
MAXIMUM	-4.753E+01	2.479E+01	-9.467E+01	6.146E-13	0.
RESULTANT	5.954E+01	3.971E+01	1.418E+02	9.849E-13	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	4	7	5	5	9
MAXIMUM	-4.082E+01	-6.579E+00	3.204E+01	-8.501E-11	-4.731E-11
RESULTANT	6.312E+01	1.052E+01	4.780E+01	1.616E-10	8.103E-11

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ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 37 )
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  7          5          5          9          5          5
MAXIMUM      2.092E+01-8.929E+00 3.015E+01 1.348E-12-2.345E-12 2.095E+02
RESULTANT    3.240E+01 1.846E+01 4.335E+01 1.832E-12 3.177E-12 2.258E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 38 )
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          5          5          5          21
MAXIMUM      -4.988E+01-6.334E+00 1.962E+01 1.699E-12 1.699E-12 3.941E+01
RESULTANT    5.125E+01 1.284E+01 3.188E+01 2.401E-12 2.401E-12 5.988E+01
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 39 )
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          5          0          0          5
MAXIMUM      -1.207E+02-8.600E+00 2.110E+01 0. 0. 1.506E+02
RESULTANT    1.245E+02 1.489E+01 3.016E+01 0. 0. 1.566E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 40 )
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          5          5          5          5
MAXIMUM      -9.591E+01-7.969E+00 4.534E+01-1.161E-12-1.185E-12-1.258E+02
RESULTANT    9.738E+01 1.103E+01 4.870E+01 1.392E-12 1.523E-12 1.314E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 41 )
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          7          5          0          0          21
MAXIMUM      -6.801E+01-6.856E+00-1.549E+01 0. 0. -3.982E+01
RESULTANT    6.876E+01 1.095E+01 2.010E+01 0. 0. 6.031E+01
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 42 )
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          7          5          5          5
MAXIMUM      -4.755E+01 1.718E+01-1.566E+01 1.455E-12 2.182E-12 1.501E+02
RESULTANT    4.946E+01 2.666E+01 2.204E+01 2.103E-12 3.155E-12 1.612E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 43 )
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  7          5          7          5          8          5
MAXIMUM      -7.335E+00 8.893E+01-1.386E+01 4.171E-12-1.133E-12-4.408E+02
RESULTANT    1.257E+01 1.219E+02 2.001E+01 5.002E-12 1.991E-12 4.569E+02
ELEMENT TYPE (P L A T E / S H E L L ) / / / ELEMENT NUMBER ( 44 )
  XX-S/R      YY-S/R      XY-S/R      XX-M/R      YY-M/R      XY-M/R
  5          5          5          20          20          20
MAXIMUM      5.321E+01 9.944E+01-4.205E+01-2.705E-11-2.705E-11-1.694E+03
RESULTANT    6.028E+01 1.414E+02 5.166E+01 3.960E-11 3.960E-11 1.931E+03

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.931E+01 -7.681E+01 -8.765E+01 4.405E-12 4.447E-12 7.302E+02
 RESULTANT 2.693E+01 1.195E+02 9.733E+01 5.276E-12 7.672E-12 8.746E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -6.285E+01 -7.861E+01 -6.138E+01 1.012E-13 0. 2.110E+01
 RESULTANT 7.578E+01 1.209E+02 9.897E+01 1.207E-13 0. 2.517E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.121E+01 1.160E+01 3.083E+01 1.443E-10 1.443E-10 -4.314E+03
 RESULTANT 7.812E+01 1.748E+01 4.285E+01 2.114E-10 2.114E-10 5.572E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.658E+01 -4.282E+01 3.198E+01 9.978E-12 9.978E-12 -1.355E+02
 RESULTANT 4.943E+01 7.533E+01 5.601E+01 1.136E-11 1.136E-11 1.477E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.506E+01 -1.449E+01 -2.385E+01 1.235E-12 2.960E-12 8.172E+01
 RESULTANT 3.650E+01 2.632E+01 3.521E+01 1.371E-12 3.277E-12 9.397E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.288E+01 -7.483E+00 2.533E+01 0. 0. -3.539E+02
 RESULTANT 3.518E+01 1.310E+01 2.715E+01 0. 0. 3.751E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.802E+01 -5.877E+00 4.285E+01 -4.288E-13 -8.600E-13 1.590E+02
 RESULTANT 3.860E+01 1.067E+01 4.401E+01 5.082E-13 8.969E-13 1.658E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.070E+01 1.095E+01 -8.125E+00 2.501E-12 2.501E-12 3.478E+01
 RESULTANT 4.143E+01 1.754E+01 1.201E+01 2.724E-12 2.724E-12 4.134E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.399E+01 2.373E+01 -4.390E+01 1.613E-12 1.613E-12 -1.587E+02

RESULTANT 3.497E+01 3.280E+01 4.559E+01 1.736E-12 1.736E-12 1.636E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -6.757E+00 3.980E+01 -4.757E+01 1.733E-11 1.733E-11 1.093E+02

RESULTANT 1.231E+01 5.648E+01 6.042E+01 1.881E-11 1.881E-11 1.126E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.987E+01 -6.046E+01 -4.521E+01 1.993E-13 -6.608E-13 -4.383E+01

RESULTANT 8.915E+01 9.011E+01 7.213E+01 2.358E-13 8.407E-13 6.337E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.083E+01 1.777E+01 7.491E+00 6.379E-10 5.476E-10 -8.160E+02

RESULTANT 8.044E+01 2.709E+01 1.513E+01 8.871E-10 7.608E-10 1.771E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -6.445E+01 8.704E+01 1.234E+01 -4.234E-11 -2.984E-11 -4.460E+02

RESULTANT 9.323E+01 1.414E+02 2.742E+01 4.747E-11 3.346E-11 5.775E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (58)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.002E+01 -2.765E+01 3.755E+01 5.759E-12 2.483E-11 1.445E+03

RESULTANT 1.346E+01 4.466E+01 6.427E+01 6.023E-12 2.569E-11 1.487E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (59)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.144E+01 1.595E+01 3.923E+01 3.691E-12 -1.845E-12 -1.674E+02

RESULTANT 1.245E+01 2.301E+01 5.446E+01 3.784E-12 1.892E-12 1.758E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (60)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.305E+01 2.623E+01 -2.111E+01 3.253E-12 4.426E-12 -3.189E+01

RESULTANT 1.345E+01 3.009E+01 3.059E+01 3.314E-12 4.509E-12 4.944E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (61)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁹	⁰	⁵	⁵
MAXIMUM	-4.124E+01	1.239E+01	1.895E+01	0.	-3.308E-12
RESULTANT	4.382E+01	1.664E+01	3.320E+01	0.	3.357E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (62)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁷	⁷	⁹	⁵	⁵	³²
MAXIMUM	-3.669E+01	8.271E+00	1.219E+01	6.411E-10	5.485E-10
RESULTANT	5.705E+01	1.355E+01	2.453E+01	9.600E-10	8.223E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (63)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁷	⁷	⁵	⁵	⁵
MAXIMUM	-6.357E+01	6.708E+01	-5.893E+01	-5.827E-11	-4.142E-11
RESULTANT	9.527E+01	1.083E+02	1.082E+02	6.524E-11	4.638E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (64)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	-1.876E+01	-2.860E+01	-2.316E+01	-5.522E-11	-5.522E-11
RESULTANT	2.090E+01	3.898E+01	2.928E+01	5.711E-11	5.711E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (65)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁹	⁵	⁵	⁵	⁵
MAXIMUM	-1.260E+01	-2.944E+01	2.562E+01	2.063E-11	3.784E-11
RESULTANT	1.343E+01	4.896E+01	2.781E+01	2.137E-11	3.897E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (66)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	-4.824E+00	2.522E+01	2.400E+01	4.029E-12	-2.015E-12
RESULTANT	6.231E+00	3.558E+01	3.638E+01	4.175E-12	2.088E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (67)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁷	⁵	⁵	⁵
MAXIMUM	-3.343E+00	5.973E+01	-2.049E+01	3.646E-12	5.053E-12
RESULTANT	3.717E+00	6.230E+01	3.056E+01	4.017E-12	5.533E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (68)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁷	⁰	⁵	⁵
MAXIMUM	-1.314E+01	2.465E+01	-1.480E+01	0.	-4.599E-12
RESULTANT	1.409E+01	2.612E+01	2.363E+01	0.	4.685E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (69)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁷ ⁷ ⁵ ⁵ ⁵
 MAXIMUM -2.142E+01 -4.441E+00 -1.986E+01 7.970E-13 7.970E-13 -2.598E+01
 RESULTANT 2.521E+01 7.371E+00 3.158E+01 8.584E-13 8.584E-13 3.514E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (70)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁷ ⁷ ⁵ ⁵ ³²
 MAXIMUM -1.314E+01 3.306E+00 9.212E+00 5.041E-11 -5.041E-11 -1.658E+03
 RESULTANT 2.082E+01 5.523E+00 1.905E+01 8.545E-11 8.545E-11 2.880E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (71)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁷ ⁷ ⁵ ⁵ ⁵
 MAXIMUM -2.560E+01 5.242E+00 -2.136E+01 1.115E-11 2.753E-11 -9.572E+01
 RESULTANT 3.351E+01 8.651E+00 4.367E+01 1.291E-11 3.183E-11 1.616E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁹ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -1.073E+02 2.361E+01 -5.437E+01 -4.376E-11 -2.289E-11 -2.755E+02
 RESULTANT 1.175E+02 2.990E+01 7.542E+01 4.683E-11 2.446E-11 2.899E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -1.125E+02 -1.281E+01 6.335E+01 2.451E-11 2.451E-11 -2.800E+02
 RESULTANT 1.193E+02 1.974E+01 8.113E+01 2.549E-11 2.549E-11 2.841E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁵ ⁰ ⁵ ⁷
 MAXIMUM -1.126E+02 -1.201E+01 6.349E+01 0. 2.481E-11 5.433E+01
 RESULTANT 1.183E+02 1.676E+01 9.548E+01 0. 2.560E-11 7.271E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -9.804E+01 -1.605E+01 -7.110E+01 6.678E-12 -8.024E-12 -4.799E+02
 RESULTANT 1.022E+02 2.236E+01 8.622E+01 6.762E-12 8.342E-12 4.859E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁵ ⁷
 MAXIMUM -1.053E+02 -2.111E+01 -6.830E+01 -2.746E-11 -5.491E-11 6.727E+01
 RESULTANT 1.090E+02 3.019E+01 8.583E+01 2.769E-11 5.537E-11 9.429E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁹	⁵	⁵	⁵

MAXIMUM	-9.941E+01	-2.686E+01	-6.867E+01	-4.830E-11	-4.830E-11
RESULTANT	1.036E+02	3.414E+01	9.547E+01	4.857E-11	4.554E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁹	⁵	⁵	⁵

MAXIMUM	-1.086E+02	-1.598E+01	-7.440E+01	-6.087E-11	-3.016E-11
RESULTANT	1.160E+02	1.741E+01	9.376E+01	6.196E-11	3.076E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁷	⁹	⁵	⁵	⁵

MAXIMUM	-1.245E+02	-7.907E+00	-6.133E+01	-1.258E-10	-1.258E-10
RESULTANT	1.353E+02	1.287E+01	7.683E+01	1.293E-10	1.108E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁹	⁵	⁵	⁷

MAXIMUM	-1.165E+02	7.351E+00	-4.306E+01	-1.508E-10	-1.131E-10
RESULTANT	1.388E+02	1.093E+01	6.236E+01	1.590E-10	1.192E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁷	⁵	⁵	⁵	¹⁹

MAXIMUM	-5.450E+01	-1.274E+01	-2.432E+01	-4.293E-11	-4.293E-11
RESULTANT	6.728E+01	2.280E+01	4.543E+01	6.143E-11	4.659E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁹	⁵	⁰	¹⁹

MAXIMUM	-5.855E+01	-2.984E+01	-4.780E+01	-1.769E-11	0.
RESULTANT	7.099E+01	4.579E+01	6.273E+01	1.945E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁹	⁵	⁵	⁵

MAXIMUM	-5.249E+01	-2.117E+01	-3.560E+01	-1.329E-10	-1.564E-10
RESULTANT	5.623E+01	3.439E+01	4.156E+01	1.423E-10	1.673E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁹	⁵	⁵	⁵

MAXIMUM	-6.768E+01	-1.070E+01	-4.728E+01	-2.276E-11	2.439E-11
RESULTANT	7.197E+01	1.802E+01	6.525E+01	2.385E-11	3.223E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -6.714E+01 -7.854E+00 -4.806E+01 4.825E-11 9.650E-11 -2.272E+02
 RESULTANT 7.176E+01 1.342E+01 5.970E+01 4.981E-11 9.963E-11 2.356E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -2.943E+01 -9.985E+00 -5.530E+01 -8.089E-12 -1.123E-11 -6.732E+02
 RESULTANT 4.165E+01 1.332E+01 6.672E+01 8.401E-12 1.147E-11 6.825E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁴⁰ ⁵ ⁹ ⁵ ⁵ ⁷
 MAXIMUM 2.191E+01 -1.864E+01 -5.848E+01 2.715E-11 -2.674E-11 1.023E+02
 RESULTANT 4.645E+01 2.585E+01 6.847E+01 2.736E-11 2.701E-11 1.451E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -1.916E+01 -2.898E+01 -5.894E+01 -9.179E-11 -6.322E-11 5.916E+02
 RESULTANT 3.972E+01 4.248E+01 6.846E+01 9.230E-11 6.357E-11 6.274E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁸ ⁵ ⁵ ⁵ ⁵ ⁵
 MAXIMUM 3.285E+01 -6.551E+01 -5.550E+01 -1.268E-10 -1.268E-10 1.235E+02
 RESULTANT 6.258E+01 9.120E+01 7.498E+01 1.305E-10 1.305E-10 1.585E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ³⁶ ⁵ ⁵ ⁵
 MAXIMUM -4.545E+01 -6.752E+01 -2.710E+01 -1.537E-10 -1.537E-10 9.626E+01
 RESULTANT 6.689E+01 1.086E+02 4.071E+01 1.626E-10 1.626E-10 1.452E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁷ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -2.929E+01 4.771E+01 -2.334E+01 -1.155E-10 -5.777E-11 5.890E+02
 RESULTANT 3.821E+01 8.096E+01 2.821E+01 1.345E-10 6.724E-11 6.526E+02
 ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁹ ⁵ ⁵ ⁵ ⁵
 MAXIMUM -2.471E+01 7.731E+00 3.317E+01 -1.468E-09 -2.232E-09 -1.046E+04
 RESULTANT 3.102E+01 1.203E+01 5.213E+01 1.565E-09 2.378E-09 1.080E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT
-3.737E+01 -9.380E+00 -4.419E+01 -7.298E-10 8.225E-10 -1.512E+04
4.264E+01 1.071E+01 5.104E+01 7.629E-10 8.553E-10 1.533E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT
-4.336E+01 -1.285E+01 -4.506E+01 1.580E-09 7.890E-10 1.327E+03
4.836E+01 1.443E+01 5.976E+01 1.627E-09 8.127E-10 1.599E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT
-4.776E+01 -1.050E+01 -5.207E+01 1.162E-10 4.632E-10 -2.104E+04
5.067E+01 1.245E+01 6.186E+01 1.175E-10 4.702E-10 2.127E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT
-5.150E+01 9.478E+00 -5.191E+01 8.649E-10 -8.583E-10 2.575E+03
5.785E+01 1.527E+01 6.139E+01 8.717E-10 8.673E-10 3.498E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT
-2.516E+01 -1.069E+01 -4.976E+01 -2.890E-09 -1.990E-09 1.563E+04
3.924E+01 1.705E+01 6.562E+01 2.905E-09 2.000E-09 1.678E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT
1.295E+01 -4.451E+00 -4.611E+01 -6.834E-10 8.097E-10 -2.060E+04
2.307E+01 7.710E+00 5.894E+01 7.131E-10 8.383E-10 2.081E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT
1.187E+01 1.559E+01 -5.628E+01 1.533E-09 7.618E-10 -2.086E+03
2.118E+01 1.874E+01 7.404E+01 1.574E-09 7.829E-10 2.253E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT
1.586E+01 8.505E+00 -5.313E+01 7.220E-11 4.185E-10 -1.307E+04
2.816E+01 1.322E+01 7.125E+01 7.408E-11 4.274E-10 1.341E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	7
MAXIMUM	3.766E+01	4.132E+00	-4.258E+01	8.114E-10	-8.070E-10
RESULTANT	4.055E+01	9.047E+00	5.803E+01	8.182E-10	8.187E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	5
MAXIMUM	2.962E+01	9.535E+00	-3.940E+01	-2.792E-09	-1.918E-09
RESULTANT	3.879E+01	1.459E+01	5.707E+01	2.804E-09	1.927E-09

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	4	9	5	0	7
MAXIMUM	3.174E+01	-9.466E+00	-2.172E+01	-2.003E-11	0.
RESULTANT	4.784E+01	2.220E+01	3.884E+01	2.230E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	21	9	5	5	5
MAXIMUM	5.442E+01	-1.093E+01	-3.890E+01	2.569E-11	2.569E-11
RESULTANT	5.974E+01	2.424E+01	6.226E+01	2.649E-11	2.649E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	0	5	5
MAXIMUM	1.021E+02	1.535E+01	-5.374E+01	0.	2.625E-11
RESULTANT	1.118E+02	1.910E+01	7.516E+01	0.	2.691E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	5
MAXIMUM	7.132E+01	1.309E+01	-5.848E+01	2.713E-12	-1.044E-11
RESULTANT	1.016E+02	1.707E+01	8.029E+01	2.935E-12	1.062E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
21	9	9	5	5	5
MAXIMUM	-5.651E+01	-2.568E+01	-6.271E+01	-2.533E-11	-5.066E-11
RESULTANT	6.822E+01	3.764E+01	8.242E+01	2.561E-11	5.121E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	5
MAXIMUM	4.468E+01	4.051E+01	-4.536E+01	-4.526E-11	-4.526E-11
RESULTANT	5.710E+01	5.432E+01	6.042E+01	4.547E-11	4.547E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM	7.369E+01	8.741E+01	-4.620E+01	-5.817E-11	-2.851E-11
RESULTANT	8.504E+01	1.149E+02	7.037E+01	5.907E-11	2.901E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	36	5	5	7
MAXIMUM	8.441E+01	1.243E+02	-3.194E+01	-1.261E-10	-1.261E-10
RESULTANT	1.004E+02	1.721E+02	5.069E+01	1.299E-10	1.299E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	5	5	5
MAXIMUM	9.341E+01	-9.598E+01	-9.061E+01	-1.640E-10	-1.235E-10
RESULTANT	1.118E+02	1.507E+02	1.094E+02	1.735E-10	1.307E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	5	0	5
MAXIMUM	4.578E+01	3.863E+01	-4.326E+01	-1.064E-11	0.
RESULTANT	5.473E+01	6.289E+01	7.222E+01	1.184E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	9	5	5	5
MAXIMUM	9.798E+01	1.774E+01	-3.871E+01	-1.169E-11	1.234E-11
RESULTANT	1.040E+02	2.819E+01	5.538E+01	1.217E-11	1.277E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	5	5	5
MAXIMUM	9.575E+01	2.346E+01	-4.702E+01	3.676E-12	-1.036E-11
RESULTANT	1.016E+02	3.059E+01	6.749E+01	3.740E-12	1.059E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	5	5	7
MAXIMUM	1.091E+02	2.722E+01	3.719E+01	-2.664E-11	-5.328E-11
RESULTANT	1.116E+02	3.411E+01	5.606E+01	2.687E-11	5.374E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM	9.775E+01	2.666E+01	-4.162E+01	-4.607E-11	-4.607E-11
RESULTANT	1.011E+02	3.260E+01	6.773E+01	4.627E-11	4.627E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

XIMUM 1.179E+02 1.089E+01-4.836E+01-5.765E-11-2.909E-11 1.159E+02
SULTANT 1.275E+02 1.399E+01 6.964E+01 5.851E-11 2.958E-11 1.497E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

XIMUM 1.497E+02 1.360E+00-3.043E+01-1.250E-10-1.250E-10 8.365E+01
SULTANT 1.648E+02 2.751E+00 4.363E+01 1.284E-10 1.284E-10 1.082E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

XIMUM 8.770E+01 7.302E+01-4.974E+01-4.503E-11-2.342E-11-2.470E+02
SULTANT 9.711E+01 1.271E+02 8.465E+01 4.811E-11 2.492E-11 3.106E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

XIMUM 1.007E+02-3.749E+01-3.138E+01 2.492E-11 2.492E-11-1.828E+02
SULTANT 1.058E+02 6.459E+01 5.048E+01 2.580E-11 2.580E-11 2.044E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

XIMUM 2.040E+01-8.628E+00-1.978E+01-1.195E-11 1.242E-11-7.658E+01
SULTANT 2.124E+01 1.533E+01 2.074E+01 1.244E-11 1.287E-11 8.570E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

XIMUM 1.616E+01-2.240E+01 3.765E+01 2.622E-11 1.251E-11-2.828E+02
SULTANT 1.689E+01 3.603E+01 4.733E+01 2.695E-11 1.286E-11 2.908E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

XIMUM 1.206E+01-2.844E+01 1.743E+01 9.541E-13 7.115E-12-1.727E+02
SULTANT 1.319E+01 3.764E+01 2.645E+01 9.645E-13 7.237E-12 1.746E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

XIMUM 5.906E+00-2.169E+01 1.524E+01 1.359E-11-1.350E-11 4.209E+01
SULTANT 8.743E+00 2.937E+01 2.180E+01 1.368E-11 1.363E-11 5.871E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.423E+01-8.213E+00-2.263E+01-4.582E-11-3.171E-11 2.872E+02

RESULTANT 1.468E+01 1.182E+01 2.818E+01 4.603E-11 3.185E-11 2.956E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.618E+00 2.007E+00 1.507E+01-5.934E-12-2.004E-12-1.098E+01

RESULTANT 8.073E+00 2.617E+00 1.963E+01 7.002E-12 2.360E-12 1.640E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -8.063E+01-2.153E+01-3.063E+01 3.519E-11 3.519E-11 1.083E+03

RESULTANT 8.759E+01 2.247E+01 3.659E+01 4.416E-11 4.416E-11 1.487E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.997E+01-1.749E+01-6.041E+01-6.245E-11-6.245E-11 9.523E+02

RESULTANT 8.451E+01 1.801E+01 6.504E+01 7.746E-11 7.746E-11 1.503E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.716E+01-2.447E+00-1.221E+02-6.557E-11-6.557E-11-1.027E+03

RESULTANT 8.147E+01 5.051E+00 1.248E+02 7.957E-11 7.957E-11 1.305E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.768E+01-1.092E+01-9.633E+01-8.102E-11-8.102E-11 5.996E+02

RESULTANT 8.445E+01 1.209E+01 9.829E+01 1.042E-10 1.042E-10 8.604E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -8.050E+01-3.923E+00-1.110E+02-5.380E-12-5.380E-12 4.166E+01

RESULTANT 9.754E+01 6.150E+00 1.147E+02 7.164E-12 7.164E-12 5.673E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.148E+01-3.242E+01-6.932E+01-5.455E-12-5.455E-12 3.201E+01

RESULTANT 8.812E+01 3.844E+01 7.268E+01 7.390E-12 7.390E-12 5.784E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -8.987E+01 -2.398E+01 -6.616E+01 0. 0. 1.712E+02
RESULTANT 1.144E+02 2.798E+01 7.293E+01 0. 0. 2.508E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.774E+01 1.210E+01 -4.764E+01 0. 6.306E-11 -8.155E+03
RESULTANT 5.630E+01 2.029E+01 6.762E+01 0. 6.491E-11 8.580E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.108E+01 -3.268E+01 -1.160E+02 0. 1.542E-11 -2.006E+02
RESULTANT 3.627E+01 3.545E+01 1.236E+02 0. 1.840E-11 2.120E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.356E+01 -5.454E+00 -1.904E+02 0. 1.047E-11 4.221E+01
RESULTANT 6.252E+01 8.397E+00 1.938E+02 0. 1.373E-11 5.734E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.708E+01 -2.559E+01 -1.353E+02 0. 2.424E-11 -9.234E+01
RESULTANT 7.868E+01 2.732E+01 1.509E+02 0. 3.451E-11 1.363E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -8.808E+00 6.072E+00 1.032E+01 2.761E-11 4.142E-11 -1.555E+02
RESULTANT 1.497E+01 1.065E+01 1.517E+01 4.200E-11 6.300E-11 2.182E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.658E+01 2.771E+01 -6.035E+01 0. 0. -3.047E+03
RESULTANT 7.286E+01 3.467E+01 9.088E+01 0. 0. 4.657E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.166E+01 1.032E+01 -9.516E+01 0. 0. -1.775E+02
RESULTANT 2.759E+01 1.678E+01 1.082E+02 0. 0. 2.217E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	5	5	0	0	9
MAXIMUM	1.673E+01	1.703E+01	-1.147E+02 0.	0.	-6.407E+03
RESULTANT	2.291E+01	1.909E+01	1.212E+02 0.	0.	7.759E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	0	7
MAXIMUM	-2.608E+01	2.520E+01	-1.561E+02	-8.472E-10 0.	1.465E+03
RESULTANT	3.096E+01	2.681E+01	1.603E+02	9.967E-10 0.	2.004E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
8	5	5	0	0	9
MAXIMUM	2.455E+01	3.265E+01	-1.819E+02 0.	0.	-4.450E+03
RESULTANT	3.347E+01	3.363E+01	1.845E+02 0.	0.	6.660E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
8	9	5	0	0	7
MAXIMUM	4.235E+01	-6.901E+00	-1.933E+02 0.	0.	6.407E+01
RESULTANT	5.053E+01	9.483E+00	1.964E+02 0.	0.	8.343E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
36	5	5	0	0	9
MAXIMUM	4.112E+01	-3.888E+01	-1.281E+02 0.	0.	-4.647E+01
RESULTANT	6.391E+01	4.167E+01	1.396E+02 0.	0.	8.716E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	7	5	0	0	9
MAXIMUM	-5.996E+00	2.136E+01	-1.341E+01 0.	0.	-7.586E+01
RESULTANT	9.194E+00	3.461E+01	1.422E+01 0.	0.	1.191E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	9	7	4	4	6
MAXIMUM	2.720E+01	3.607E+01	-6.912E+01	1.021E-10	4.148E-11
RESULTANT	4.665E+01	5.622E+01	1.041E+02	1.200E-10	5.694E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	5	5	9	9	5
MAXIMUM	2.459E+01	7.507E+00	-9.857E+01	8.812E-12	7.071E-12
RESULTANT	3.181E+01	1.477E+01	1.060E+02	1.079E-11	8.634E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.051E+01 1.137E+01 -1.031E+02 6.718E-10 4.540E-10 -3.752E+03
RESULTANT 2.960E+01 1.424E+01 1.075E+02 8.231E-10 5.541E-10 4.886E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.128E+01 -6.678E+00 -1.746E+02 8.447E-10 4.223E-10 8.480E+03
RESULTANT 2.116E+01 9.425E+00 1.784E+02 1.060E-09 5.298E-10 1.106E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.275E+01 -3.431E+00 -1.764E+02 6.548E-10 4.476E-10 3.908E+03
RESULTANT 3.277E+01 5.513E+00 1.782E+02 8.191E-10 5.558E-10 6.203E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.723E+01 1.104E+01 -1.891E+02 1.451E-11 7.150E-12 4.505E+01
RESULTANT 4.518E+01 1.463E+01 1.922E+02 1.919E-11 9.533E-12 6.996E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.086E+01 -2.556E+01 -9.246E+01 1.538E-11 7.681E-12 4.535E+01
RESULTANT 5.606E+01 3.045E+01 9.932E+01 2.225E-11 1.113E-11 6.207E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -8.814E-01 5.493E+01 -1.443E+01 1.130E-11 7.467E-12 7.184E+01
RESULTANT 1.612E+00 8.547E+01 1.656E+01 1.909E-11 1.273E-11 8.255E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.301E+01 3.888E+01 -5.367E+01 0. 4.333E-11 5.456E+03
RESULTANT 5.179E+01 6.899E+01 7.903E+01 0. 5.795E-11 7.901E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.783E+01 1.242E+01 -1.079E+02 0. 1.427E-11 1.695E+02
RESULTANT 2.834E+01 2.690E+01 1.165E+02 0. 1.900E-11 2.104E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	7	5
MAXIMUM	3.929E+01	2.946E+01	-1.817E+02	0.	-1.488E-11
RESULTANT	5.856E+01	3.403E+01	1.859E+02	0.	2.281E-11
					1.046E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	40	5	0	7	5
MAXIMUM	6.380E+01	-1.883E+01	-7.484E+01	0.	-2.294E-11
RESULTANT	8.504E+01	3.423E+01	8.368E+01	0.	3.254E-11
					1.315E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	7	5	7	7	5
MAXIMUM	2.278E+00	8.756E+01	-1.223E+01	-3.462E-11	-5.193E-11
RESULTANT	3.307E+00	1.341E+02	1.344E+01	4.791E-11	7.849E+01
					8.422E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	9	9	9
MAXIMUM	4.256E+01	-4.923E+01	-5.784E+01	-5.118E-12	-5.118E-12
RESULTANT	6.124E+01	8.686E+01	8.102E+01	7.554E-12	2.349E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	5	5	9	9	5
MAXIMUM	2.794E+01	-3.136E+01	-5.753E+01	-4.798E-12	-4.798E-12
RESULTANT	4.299E+01	3.648E+01	6.678E+01	7.051E-12	7.051E-12
					1.377E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	9	9	5
MAXIMUM	4.957E+01	-2.656E+01	-7.420E+01	-8.624E-12	-8.624E-12
RESULTANT	5.925E+01	5.075E+01	8.121E+01	1.242E-11	1.242E-11
					1.387E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM	4.869E+01	5.263E+00	-8.856E+01	-6.236E-11	-6.236E-11
RESULTANT	5.546E+01	6.769E+00	9.281E+01	8.950E-11	8.950E-11
					1.113E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM	1.096E+02	4.131E+01	-1.627E+02	-3.758E-12	-3.758E-12
RESULTANT	1.137E+02	4.466E+01	1.660E+02	5.327E-12	5.327E-12
					6.656E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	25	5	9	9	5

MAXIMUM	9.273E+01	2.407E+00	-1.385E+02	-5.871E-11	-5.871E-11	-4.625E+02
RESULTANT	9.777E+01	4.004E+00	1.419E+02	8.194E-11	8.194E-11	7.134E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	7	7	7

MAXIMUM	8.422E+01	1.598E+01	-9.206E+01	5.841E-11	5.841E-11	4.283E+02
RESULTANT	9.129E+01	1.695E+01	9.305E+01	8.324E-11	8.324E-11	7.238E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	0	5

MAXIMUM	9.870E+01	2.552E+01	-9.610E+01	0.	0.	-1.276E+02
RESULTANT	1.120E+02	2.918E+01	9.833E+01	0.	0.	1.691E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	7	7	5

MAXIMUM	1.239E+02	2.361E+01	-8.345E+01	4.688E-12	4.688E-12	-1.198E+02
RESULTANT	1.403E+02	2.580E+01	8.860E+01	6.471E-12	6.471E-12	1.508E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	40	5	7	7	7

MAXIMUM	7.079E+01	-3.985E+01	-1.523E+02	3.238E-12	3.238E-12	-1.550E+01
RESULTANT	8.849E+01	7.908E+01	1.692E+02	4.489E-12	4.489E-12	2.845E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	7	5	7	7	9

MAXIMUM	1.974E+00	8.816E+01	-1.695E+01	3.836E-12	3.836E-12	1.549E+01
RESULTANT	3.547E+00	1.357E+02	1.768E+01	5.366E-12	5.366E-12	2.211E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	9	0	5

MAXIMUM	3.364E+01	-5.511E+01	-4.898E+01	-2.848E-11	0.	-1.133E+02
RESULTANT	5.283E+01	9.842E+01	6.704E+01	4.427E-11	0.	2.666E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
47	5	5	9	0	5

MAXIMUM	-1.352E+01	-3.350E+01	-7.843E+01	-2.679E-11	0.	-1.368E+02
RESULTANT	2.636E+01	4.206E+01	8.535E+01	4.143E-11	0.	2.873E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁹	⁷	⁹	⁹	⁹
MAXIMUM	7.786E+01	-5.159E+01	-3.996E+01	-6.896E-11	-4.598E-11
RESULTANT	8.627E+01	8.758E+01	5.850E+01	1.048E-10	6.984E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	¹²	⁵	⁹	⁰	¹²
MAXIMUM	8.891E+01	-2.704E+00	-5.255E+01	-3.013E-10	0.
RESULTANT	9.503E+01	5.057E+00	5.748E+01	4.514E-10	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	⁹	⁰	¹²
MAXIMUM	1.120E+02	1.347E+01	-8.147E+01	-1.707E-11	0.
RESULTANT	1.177E+02	1.917E+01	8.961E+01	2.547E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁹	⁵	⁷	⁰	⁵
MAXIMUM	7.973E+01	-8.082E+00	-1.322E+02	1.551E-11	0.
RESULTANT	8.335E+01	1.112E+01	1.331E+02	2.117E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁴⁰	⁵	⁷	⁰	⁵
MAXIMUM	3.409E+01	-1.252E+01	-3.676E+01	-1.234E-11	0.
RESULTANT	3.983E+01	2.421E+01	3.788E+01	1.754E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁷	⁵	⁷	⁰	⁵
MAXIMUM	7.100E+00	2.614E+01	-1.045E+01	-1.244E-11	0.
RESULTANT	8.794E+00	4.036E+01	1.119E+01	1.769E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁷	⁵	⁷	⁰	³²
MAXIMUM	2.792E+01	-4.114E+01	-3.665E+01	3.796E-11	0.
RESULTANT	5.020E+01	7.406E+01	5.197E+01	6.099E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	⁷	⁰	³²
MAXIMUM	2.987E+01	-1.977E+01	-5.969E+01	1.841E-11	0.
RESULTANT	3.750E+01	2.639E+01	6.551E+01	2.956E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.928E+01-4.835E+01-4.571E+01-1.017E-10-6.777E-11-3.377E+02
RESULTANT 6.803E+01 8.730E+01 5.292E+01 1.617E-10 1.078E-10 8.543E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.063E+01 1.122E+01-8.642E+01 1.832E-11 0. -1.558E+02
RESULTANT 6.371E+01 1.451E+01 9.099E+01 2.847E-11 0. 1.971E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.614E+01-1.794E+00-6.306E+01 1.751E-11 0. 2.948E+02
RESULTANT 4.683E+01 2.992E+00 6.439E+01 2.274E-11 0. 3.154E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (58)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.078E+01 1.377E+01-1.904E+01 5.784E-11 5.784E-11-1.264E+02
RESULTANT 6.155E+01 2.588E+01 2.930E+01 9.359E-11 9.359E-11 2.609E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (59)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.022E+01-3.066E+00-3.267E+01 5.736E-11 5.736E-11-1.296E+02
RESULTANT 6.352E+01 6.798E+00 3.693E+01 9.281E-11 9.281E-11 2.766E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (60)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.145E+01-1.661E+01-3.612E+01 5.723E-11 5.723E-11-1.352E+02
RESULTANT 6.908E+01 3.075E+01 4.101E+01 9.283E-11 9.283E-11 2.974E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.077E+00 4.277E+00-9.777E+00-1.377E-10-2.663E-10 1.290E+03
RESULTANT 4.662E+00 7.881E+00 1.562E+01 1.450E-10 2.795E-10 1.687E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.506E+00 6.553E+00 8.766E+00 2.694E-10 1.362E-10-6.065E+02
RESULTANT 3.132E+00 8.844E+00 1.453E+01 2.803E-10 1.413E-10 9.674E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.584E+00-5.959E+00-2.674E+01-2.132E-12-3.192E-13 5.902E+01
RESULTANT 4.479E+00 1.670E+01 3.324E+01 2.311E-12 4.823E-13 8.917E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.379E+00 1.453E+01-4.954E+00-4.528E-12-4.528E-12-3.988E+01
RESULTANT 9.022E+00 2.508E+01 1.051E+01 5.095E-12 5.095E-12 5.054E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.004E+01 2.055E+01 3.629E+01-2.790E-12-2.790E-12-9.490E+01
RESULTANT 1.095E+01 3.681E+01 4.122E+01 3.120E-12 3.120E-12 1.067E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.345E+01-4.751E+01 2.519E+01-2.488E-11-2.488E-11 8.505E+01
RESULTANT 1.515E+01 6.483E+01 4.580E+01 2.707E-11 2.707E-11 1.080E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -9.067E+00-2.964E+01-5.100E+01-9.602E-12-1.587E-11-2.591E+02
RESULTANT 1.944E+01 4.605E+01 6.918E+01 1.050E-11 1.800E-11 2.814E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.269E+00-6.736E+00-3.026E+01-5.260E-12 3.615E-12 1.805E+02
RESULTANT 1.247E+01 1.330E+01 3.890E+01 6.180E-12 4.881E-12 1.883E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.014E+01-4.002E+00-2.726E+01-4.180E-12-4.180E-12-7.548E+01
RESULTANT 1.396E+01 8.877E+00 3.527E+01 4.737E-12 4.737E-12 9.006E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.808E+00 2.790E+00-1.103E+01 0. 0. 6.921E+01
RESULTANT 7.902E+00 7.061E+00 1.724E+01 0. 0. 7.372E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	5	5	25
MAXIMUM	9.217E+00	5.862E+00	-4.362E+01	2.578E-12	3.495E-12
RESULTANT	1.268E+01	1.147E+01	4.916E+01	2.788E-12	3.794E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	39	0	0	5
MAXIMUM	-1.458E+01	-1.305E+01	-7.949E+00	0.	6.047E+01
RESULTANT	1.942E+01	2.098E+01	1.500E+01	0.	6.817E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
7	9	5	5	5	5
MAXIMUM	-8.686E+00	1.900E+01	6.805E+01	-2.347E-12	-3.521E-12
RESULTANT	1.283E+01	3.248E+01	6.993E+01	3.909E-12	5.864E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	8	5	5
MAXIMUM	5.780E+00	-7.584E+01	4.431E+01	2.601E-12	4.833E-12
RESULTANT	9.298E+00	1.108E+02	4.584E+01	3.903E-12	6.196E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	14	14	14
MAXIMUM	-3.230E+01	-5.420E+01	5.702E+00	3.040E-11	3.040E-11
RESULTANT	4.274E+01	8.324E+01	1.482E+01	4.788E-11	4.788E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	14	36	14
MAXIMUM	-3.412E+01	3.898E+01	-4.460E+01	4.675E-12	-2.927E-12
RESULTANT	4.320E+01	6.543E+01	6.184E+01	6.163E-12	4.304E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	7	7	36	0	36
MAXIMUM	4.414E+00	2.843E+01	5.530E+01	1.298E-13	0.
RESULTANT	9.047E+00	4.463E+01	8.738E+01	2.178E-13	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
7	9	5	5	5	5
MAXIMUM	6.651E+00	9.395E+00	-3.749E+01	-1.130E-11	-7.744E-12
RESULTANT	1.258E+01	1.405E+01	4.483E+01	1.498E-11	1.003E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.339E+01 -3.509E+01 1.911E+01 8.465E-12 5.558E-12 1.423E+02
RESULTANT 4.452E+01 5.881E+01 3.018E+01 1.371E-11 8.808E-12 1.570E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -6.650E+00 -1.942E+01 -3.400E+01 -5.158E-12 -5.158E-12 1.124E+03
RESULTANT 1.249E+01 3.791E+01 4.407E+01 6.881E-12 6.881E-12 1.500E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.634E+01 -1.297E+01 -4.436E+01 -6.639E-12 0. -4.855E+02
RESULTANT 2.026E+01 3.031E+01 5.818E+01 9.265E-12 0. 6.391E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.300E+01 1.083E+01 6.684E+01 1.097E-12 3.656E-13 1.980E+01
RESULTANT 2.484E+01 2.135E+01 1.017E+02 1.614E-12 5.380E-13 3.361E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.639E+00 -9.003E+00 -1.915E+01 4.704E-12 2.352E-12 -1.210E+02
RESULTANT 1.392E+01 1.251E+01 2.246E+01 6.009E-12 3.004E-12 1.348E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -8.626E+00 -2.764E+01 1.772E+01 5.197E-12 2.599E-12 1.434E+02
RESULTANT 1.279E+01 4.516E+01 2.149E+01 7.627E-12 3.813E-12 1.465E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.200E+01 -2.310E+01 -4.060E+01 -4.834E-11 -3.763E-11 -4.980E+02
RESULTANT 1.734E+01 3.761E+01 4.876E+01 6.146E-11 4.750E-11 7.405E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -8.084E+00 -2.051E+01 -4.616E+01 0. 0. 2.161E+02
RESULTANT 1.678E+01 3.317E+01 5.574E+01 0. 0. 3.428E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
2.180E+01	1.525E+01	6.746E+01	7.116E-13	0.	3.340E+01
RESULTANT	3.471E+01	2.411E+01	9.991E+01	1.128E-12	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
1.204E+01	1.298E+01	3.497E+01	2.103E-12	2.988E-12	2.288E+02
RESULTANT	2.473E+01	2.409E+01	4.170E+01	2.974E-12	4.218E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
-2.752E+01	-9.932E+00	-6.657E+01	3.732E-12	3.732E-12	-1.878E+02
RESULTANT	3.031E+01	1.940E+01	7.238E+01	4.420E-12	4.420E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
-5.616E+01	-1.115E+01	-1.533E+01	0.	0.	7.561E+01
RESULTANT	5.753E+01	1.727E+01	2.626E+01	0.	1.105E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
-2.593E+01	-9.230E+00	-1.798E+01	-2.073E-12	-2.749E-12	5.938E+01
RESULTANT	4.333E+01	1.491E+01	2.770E+01	2.758E-12	3.568E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
6.736E+01	-2.381E+01	3.116E+01	0.	0.	-1.175E+02
RESULTANT	7.514E+01	3.625E+01	5.103E+01	0.	1.930E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
1.998E+01	1.759E+01	5.602E+01	2.699E-12	4.049E-12	-4.764E+01
RESULTANT	2.128E+01	2.915E+01	6.117E+01	3.703E-12	5.554E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
1.704E+01	-5.550E+01	3.948E+01	5.236E-12	-2.075E-12	-3.574E+02
RESULTANT	2.348E+01	8.813E+01	4.107E+01	6.685E-12	3.903E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	14	14	14
MAXIMUM	2.730E+01	-6.632E+01	-4.291E+01	3.269E-11	3.269E-11
RESULTANT	3.422E+01	1.022E+02	5.375E+01	5.855E-11	5.855E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	14	5	14
MAXIMUM	3.433E+01	-6.665E+01	-3.746E+01	-5.066E-12	-5.542E-12
RESULTANT	4.387E+01	9.697E+01	4.678E+01	6.398E-12	9.914E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
7	7	7	5	0	5
MAXIMUM	2.407E+01	-6.692E+01	5.195E+01	1.228E-13	0.
RESULTANT	3.288E+01	9.837E+01	7.493E+01	1.392E-13	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	4	7	0	0	5
MAXIMUM	2.280E+01	-1.539E+01	1.244E+01	0.	-1.548E+02
RESULTANT	3.860E+01	3.449E+01	2.499E+01	0.	1.901E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	39	7	5	5	5
MAXIMUM	-1.297E+01	1.055E+01	2.149E+01	1.266E-11	1.035E-11
RESULTANT	2.575E+01	2.685E+01	4.512E+01	1.637E-11	1.338E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
7	7	9	5	5	5
MAXIMUM	1.910E+01	3.310E+01	3.495E+01	1.543E-11	1.543E-11
RESULTANT	3.887E+01	7.102E+01	5.767E+01	1.777E-11	1.777E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	12	5	5	5	5
MAXIMUM	5.602E+01	-1.317E+01	-5.414E+01	2.513E-12	5.781E-12
RESULTANT	5.672E+01	2.792E+01	6.057E+01	2.761E-12	6.237E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	0	5
MAXIMUM	4.300E+01	-1.522E+01	-1.085E+01	0.	-1.967E+02
RESULTANT	4.379E+01	2.818E+01	1.801E+01	0.	2.387E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.213E+01 -1.534E+01 -7.282E+00 1.187E-12 -2.850E-13 5.269E+01
RESULTANT 3.801E+01 2.061E+01 1.248E+01 1.244E-12 4.013E-13 7.418E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.833E+01 -2.957E+01 -2.556E+01 4.733E-12 4.733E-12 9.924E+01
RESULTANT 3.466E+01 3.914E+01 3.766E+01 5.302E-12 5.302E-12 1.262E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.123E+01 2.166E+01 2.818E+01 2.846E-12 2.846E-12 -9.470E+01
RESULTANT 3.225E+01 3.633E+01 4.195E+01 3.070E-12 3.070E-12 1.102E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.182E+01 3.355E+01 3.446E+01 2.721E-11 2.721E-11 3.997E+01
RESULTANT 3.542E+01 5.062E+01 4.816E+01 2.977E-11 2.977E-11 5.349E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.817E+01 -5.397E+01 -4.214E+01 2.857E-13 -8.453E-13 -4.577E+01
RESULTANT 3.777E+01 8.088E+01 7.088E+01 3.375E-13 1.056E-12 6.523E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.932E+01 -2.945E+01 2.005E+01 3.341E-11 2.651E-11 -7.706E+01
RESULTANT 4.923E+01 5.065E+01 4.639E+01 4.694E-11 3.738E-11 1.202E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.934E+01 -6.478E+01 -1.340E+01 -5.552E-11 -3.935E-11 -3.418E+02
RESULTANT 5.017E+01 1.171E+02 3.228E+01 6.244E-11 4.425E-11 4.231E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.204E+00 4.938E+01 -4.409E+01 2.366E-11 4.921E-11 -1.236E+03
RESULTANT 1.126E+01 8.815E+01 6.786E+01 2.991E-11 5.359E-11 1.920E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

XX-S/R⁵ YY-S/R⁹ XY-S/R⁷ XX-M/R⁵ YY-M/R⁵ XY-M/R⁴⁴
 MAXIMUM -8.633E+00-3.409E+01-1.886E+01 1.081E-11-5.405E-12 5.261E+02
 RESULTANT 1.239E+01 4.131E+01 2.633E+01 1.387E-11 5.936E-12 6.334E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

XX-S/R⁵ YY-S/R⁹ XY-S/R⁵ XX-M/R⁵ YY-M/R⁵ XY-M/R³⁸
 MAXIMUM -1.724E+01-2.204E+01-1.733E+01 1.206E-11 1.614E-11-6.350E+02
 RESULTANT 2.023E+01 3.233E+01 2.489E+01 1.690E-11 2.180E-11 1.127E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

XX-S/R⁵ YY-S/R⁷ XY-S/R⁷ XX-M/R⁰ YY-M/R⁵ XY-M/R³⁷
 MAXIMUM 2.704E+01-1.216E+01 1.817E+01 0. -5.443E-12 2.757E+02
 RESULTANT 2.932E+01 2.010E+01 2.770E+01 0. 5.840E-12 5.550E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

XX-S/R⁹ YY-S/R⁹ XY-S/R⁹ XX-M/R⁵ YY-M/R⁵ XY-M/R³²
 MAXIMUM 2.051E+01-1.996E+01 3.145E+01 3.432E-11 2.734E-11-5.138E+01
 RESULTANT 3.645E+01 3.628E+01 6.471E+01 5.098E-11 4.070E-11 1.036E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

XX-S/R⁹ YY-S/R⁹ XY-S/R⁹ XX-M/R⁵ YY-M/R⁵ XY-M/R⁵
 MAXIMUM -2.019E+01-5.225E+01 6.244E+01-7.129E-11-5.080E-11-1.363E+02
 RESULTANT 3.496E+01 9.538E+01 1.180E+02 7.959E-11 5.671E-11 1.784E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

XX-S/R⁹ YY-S/R⁹ XY-S/R⁹ XX-M/R⁵ YY-M/R⁵ XY-M/R⁵
 MAXIMUM -1.310E+01-3.485E+01-2.988E+01-6.433E-11-6.433E-11 1.495E+02
 RESULTANT 1.868E+01 5.762E+01 4.600E+01 6.660E-11 6.660E-11 1.990E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)

XX-S/R⁵ YY-S/R⁹ XY-S/R⁹ XX-M/R⁵ YY-M/R⁵ XY-M/R³³
 MAXIMUM 1.196E+01-5.850E+01-2.378E+01 2.516E-11 5.646E-11 1.192E+03
 RESULTANT 1.234E+01 9.377E+01 3.047E+01 2.594E-11 6.086E-11 1.978E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (58)

XX-S/R⁵ YY-S/R⁹ XY-S/R⁹ XX-M/R⁵ YY-M/R⁵ XY-M/R⁴⁴
 MAXIMUM -4.891E+00-3.828E+01-1.028E+01 9.653E-12-4.827E-12-5.073E+02
 RESULTANT 6.643E+00 5.421E+01 1.405E+01 1.332E-11 6.658E-12 5.955E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (59)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -6.505E+00-4.463E+01-1.749E+01 9.531E-12 1.303E-11 6.144E+02
RESULTANT 6.953E+00 5.723E+01 2.548E+01 1.512E-11 2.077E-11 1.098E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (60)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.523E+00-1.859E+01 1.654E+01 0. -5.987E-12-2.630E+02
RESULTANT 6.741E+00 2.397E+01 1.923E+01 0. 6.431E-12 5.603E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (61)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.627E+00-3.756E+00-2.223E+01 1.015E-12 1.015E-12-3.688E+01
RESULTANT 9.348E+00 5.143E+00 4.094E+01 1.097E-12 1.097E-12 4.941E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (62)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.189E+00-8.769E+00 2.252E+01 4.318E-12-3.768E-12-7.928E+01
RESULTANT 1.249E+01 1.646E+01 4.499E+01 6.668E-12 6.338E-12 1.461E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (63)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.132E+00 1.732E+00 2.416E+01 1.327E-11 3.286E-11-8.701E+01
RESULTANT 1.281E+01 4.384E+00 4.780E+01 1.535E-11 3.796E-11 1.775E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -9.331E+01-1.044E+01-2.643E+01-1.981E-10-1.981E-10 1.365E+02
RESULTANT 1.082E+02 1.197E+01 3.573E+01 2.102E-10 2.102E-10 2.114E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.010E+01-7.542E+00-3.580E+01 0. 5.759E-10 7.172E+02
RESULTANT 5.738E+01 1.084E+01 4.551E+01 0. 5.987E-10 9.673E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.997E+01 1.079E+01-3.503E+01-1.228E-09-1.228E-09-1.252E+03
RESULTANT 3.493E+01 1.591E+01 4.990E+01 1.262E-09 1.262E-09 1.295E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁹ ⁹ ⁰ ⁵ ⁵
 MAXIMUM -6.039E+01 1.190E+01 -5.667E+01 0. 2.101E-11 1.175E+02
 RESULTANT 6.466E+01 2.450E+01 6.895E+01 0. 2.134E-11 1.264E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁹ ⁹ ⁵ ⁵ ⁷
 MAXIMUM -9.211E+01 1.917E+01 -5.984E+01 -1.410E-10 -4.701E-11 2.422E+01
 RESULTANT 9.558E+01 3.339E+01 7.520E+01 1.421E-10 4.737E-11 3.940E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁹ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -7.440E+01 1.585E+01 -5.825E+01 -1.395E-10 -9.302E-11 -2.012E+02
 RESULTANT 7.912E+01 3.083E+01 8.472E+01 1.402E-10 9.343E-11 2.132E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -6.254E+01 -2.083E+01 -6.100E+01 -2.763E-10 -2.763E-10 -1.393E+02
 RESULTANT 7.168E+01 2.332E+01 8.566E+01 2.802E-10 2.802E-10 1.581E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁷ ⁹ ⁵ ⁵ ⁵
 MAXIMUM -7.382E+01 -7.713E+00 -4.848E+01 -9.544E-11 -2.849E-10 -2.168E+02
 RESULTANT 8.646E+01 1.213E+01 6.206E+01 9.763E-11 2.914E-10 2.552E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁵ ⁹ ⁵ ⁰ ⁵
 MAXIMUM -8.083E+01 5.529E+00 -2.796E+01 -5.380E-11 0. 1.382E+02
 RESULTANT 9.844E+01 7.880E+00 4.100E+01 5.612E-11 0. 1.659E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁴ ⁵ ⁵ ⁵ ¹⁹
 MAXIMUM -3.713E+01 -2.213E+01 -2.983E+01 -2.275E-10 -2.275E-10 7.966E+02
 RESULTANT 4.932E+01 2.504E+01 5.658E+01 3.353E-10 3.353E-10 1.478E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵ ⁴ ⁹ ⁵ ⁵ ¹⁹
 MAXIMUM -3.076E+01 -2.166E+01 -4.434E+01 -1.955E-10 -2.332E-10 -7.372E+02
 RESULTANT 4.332E+01 3.058E+01 5.483E+01 2.640E-10 3.134E-10 1.452E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.908E+01 -1.390E+01 -4.115E+01 -1.930E-10 -1.930E-10 2.093E+02
RESULTANT 4.666E+01 2.399E+01 5.586E+01 2.047E-10 2.047E-10 2.551E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.023E+02 5.200E+00 -4.372E+01 -1.149E-10 -3.827E-11 1.230E+01
RESULTANT 1.056E+02 1.209E+01 5.858E+01 1.180E-10 3.932E-11 2.173E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.235E+01 7.015E+00 -5.301E+01 -1.049E-11 4.243E-11 5.299E+01
RESULTANT 5.428E+01 1.557E+01 6.378E+01 1.066E-11 4.311E-11 5.763E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.899E+01 1.338E+01 -5.463E+01 -9.351E-11 -4.679E-11 2.059E+01
RESULTANT 6.167E+01 2.312E+01 6.311E+01 9.428E-11 4.716E-11 3.123E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.039E+01 -2.353E+01 -5.132E+01 -1.036E-10 -8.054E-11 -5.441E+01
RESULTANT 4.037E+01 4.148E+01 6.232E+01 1.040E-10 8.089E-11 6.677E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.140E+01 -6.013E+01 -6.184E+01 -1.825E-10 -1.825E-10 -2.407E+02
RESULTANT 4.995E+01 8.212E+01 8.003E+01 1.850E-10 1.850E-10 2.486E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.229E+01 -3.960E+01 2.062E+01 -1.866E-10 -1.065E-10 8.143E+01
RESULTANT 8.078E+01 6.169E+01 4.898E+01 1.948E-10 1.112E-10 1.023E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.099E+01 -6.221E+00 4.986E+01 -3.169E-11 -6.339E-11 3.518E+01
RESULTANT 1.305E+01 7.712E+00 5.699E+01 3.348E-11 6.696E-11 4.127E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R	9	YY-S/R	9	XY-S/R	9	XX-M/R	5	YY-M/R	5	XY-M/R	5
MAXIMUM 1.047E+01 2.997E+00 -2.795E+01 -9.117E-09 -4.559E-09 -1.249E+04											
RESULTANT 1.505E+01 7.153E+00 3.779E+01 9.449E-09 4.725E-09 1.280E+04											

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R	9	YY-S/R	9	XY-S/R	9	XX-M/R	5	YY-M/R	5	XY-M/R	5
MAXIMUM 1.153E+01 6.036E+00 -2.530E+01 -1.473E-08 -1.473E-08 -1.018E+04											
RESULTANT 1.934E+01 1.087E+01 3.702E+01 1.512E-08 1.512E-08 1.054E+04											

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R	5	YY-S/R	9	XY-S/R	9	XX-M/R	5	YY-M/R	5	XY-M/R	5
MAXIMUM -8.859E+00 6.733E+00 -3.112E+01 2.619E-09 5.238E-09 2.437E+04											
RESULTANT 1.318E+01 1.202E+01 3.659E+01 2.662E-09 5.323E-09 2.493E+04											

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R	5	YY-S/R	7	XY-S/R	9	XX-M/R	5	YY-M/R	0	XY-M/R	5
MAXIMUM -3.049E+01 6.939E+00 -2.655E+01 -1.187E-08 0. -4.050E+03											
RESULTANT 3.541E+01 1.349E+01 3.322E+01 1.197E-08 0. 6.951E+03											

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R	8	YY-S/R	9	XY-S/R	9	XX-M/R	5	YY-M/R	5	XY-M/R	5
MAXIMUM 6.758E+00 1.266E+01 -2.960E+01 -1.455E-08 -1.455E-08 -1.286E+04											
RESULTANT 1.188E+01 2.186E+01 3.432E+01 1.462E-08 1.462E-08 1.414E+04											

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R	5	YY-S/R	9	XY-S/R	5	XX-M/R	5	YY-M/R	5	XY-M/R	5
MAXIMUM 2.164E+00 -1.168E+01 -3.794E+01 -1.277E-10 -1.277E-10 4.786E+01											
RESULTANT 5.288E+00 1.426E+01 5.292E+01 1.346E-10 1.346E-10 6.143E+01											

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R	5	YY-S/R	9	XY-S/R	9	XX-M/R	5	YY-M/R	0	XY-M/R	5
MAXIMUM -1.586E+01 -9.822E+00 -8.467E+00 -4.643E-09 0. -7.994E+03											
RESULTANT 2.052E+01 1.703E+01 1.442E+01 4.791E-09 0. 8.939E+03											

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R	5	YY-S/R	7	XY-S/R	9	XX-M/R	5	YY-M/R	5	XY-M/R	25
MAXIMUM -2.118E+01 -1.143E+01 -2.439E+01 -7.601E-09 -2.534E-09 2.080E+03											
RESULTANT 2.393E+01 1.630E+01 3.502E+01 7.771E-09 2.591E-09 3.121E+03											

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.087E+01-6.389E+00-2.647E+01 2.590E-09 5.181E-09 1.852E+04
RESULTANT 1.781E+01 1.171E+01 3.350E+01 2.643E-09 5.286E-09 1.862E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.509E+01-9.074E+00-1.354E+01-1.138E-08 0. -9.044E+03
RESULTANT 2.716E+01 1.658E+01 2.506E+01 1.150E-08 0. 1.495E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.417E+00-8.662E+00-1.752E+01-1.429E-08-1.429E-08-1.022E+04
RESULTANT 1.115E+01 1.546E+01 2.361E+01 1.434E-08 1.434E-08 1.075E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.259E+01 2.777E+01 1.954E+01-5.667E-11-1.133E-10-1.464E+02
RESULTANT 4.577E+01 4.318E+01 3.394E+01 6.258E-11 1.252E-10 1.868E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.179E+00 2.703E+00 3.488E+00 1.138E+02 7.741E+02 1.393E+01
RESULTANT 1.054E+01 4.820E+00 4.647E+00 1.501E+02 1.023E+03 1.829E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.245E+00 8.385E+00 2.416E+00-6.251E+01-4.173E+02 2.948E+01
RESULTANT 1.049E+01 9.878E+00 3.728E+00 9.518E+01 6.338E+02 4.021E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.409E+01-2.589E+01-3.268E+01-1.299E-10-4.317E-11-1.110E+02
RESULTANT 2.185E+01 3.737E+01 5.291E+01 1.314E-10 4.366E-11 1.526E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.612E+01-2.534E+01-3.390E+01-1.334E-10-8.891E-11-7.756E+01
RESULTANT 3.902E+01 4.142E+01 4.343E+01 1.339E-10 8.925E-11 9.868E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.231E+01 5.401E+01-3.424E+01-2.658E-10-2.658E-10-3.757E+02
RESULTANT 5.272E+01 7.787E+01 5.160E+01 2.690E-10 2.690E-10 3.897E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.121E+01 7.300E+01-3.017E+01-9.466E-11-2.837E-10-4.666E+01
RESULTANT 6.560E+01 1.093E+02 4.237E+01 9.679E-11 2.901E-10 9.176E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.641E+01-5.384E+01-8.423E+01-5.393E-11 0. 1.458E+02
RESULTANT 9.283E+01 8.291E+01 1.020E+02 5.628E-11 0. 1.798E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.880E+01 3.474E+01-9.785E+00 0. 7.224E-11 1.477E+02
RESULTANT 7.448E+01 5.288E+01 2.015E+01 0. 7.451E-11 1.992E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.137E+01-1.522E+01-2.822E+01-1.582E-10-1.582E-10 3.014E+02
RESULTANT 5.785E+01 2.855E+01 4.161E+01 1.617E-10 1.617E-10 3.218E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.447E+01-1.345E+01-2.271E+01 0. 2.049E-11 7.595E+01
RESULTANT 6.887E+01 2.198E+01 2.951E+01 0. 2.091E-11 1.009E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.198E+01-3.176E+01 2.056E+01-1.321E-10-4.436E-11-1.322E+02
RESULTANT 9.578E+01 5.031E+01 3.629E+01 1.334E-10 4.479E-11 1.663E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.509E+01 1.843E+01-4.591E+01-1.330E-10-8.869E-11-2.115E+02
RESULTANT 7.969E+01 3.222E+01 6.091E+01 1.335E-10 8.902E-11 2.329E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM	9.803E+01	1.595E+01	6.638E+01	-2.653E-10	-2.653E-10
RESULTANT	1.097E+02	1.782E+01	7.675E+01	2.684E-10	2.684E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM	1.153E+02	2.234E+00	-4.076E+01	-9.469E-11	-2.836E-10
RESULTANT	1.315E+02	3.575E+00	4.698E+01	9.676E-11	2.898E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	9	5	5	5
MAXIMUM	8.083E+01	-7.768E+01	-4.500E+01	-1.289E-10	-1.289E-10
RESULTANT	9.729E+01	1.296E+02	8.187E+01	1.366E-10	1.366E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	7	5	0	7
MAXIMUM	7.828E+01	3.389E+01	3.969E+01	-7.239E-11	0.
RESULTANT	8.722E+01	5.823E+01	6.504E+01	7.470E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	9	0	9	7
MAXIMUM	-6.388E+01	1.434E+01	-1.817E+01	0.	2.548E-11
RESULTANT	7.440E+01	2.232E+01	2.615E+01	0.	3.226E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	9	5
MAXIMUM	-6.136E+01	1.305E+01	1.531E+01	0.	2.534E-11
RESULTANT	6.647E+01	1.823E+01	1.982E+01	0.	3.195E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	9	5
MAXIMUM	-7.153E+01	-1.428E+01	-2.055E+01	0.	3.191E-12
RESULTANT	7.445E+01	1.478E+01	2.220E+01	0.	3.994E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	9
MAXIMUM	-6.220E+01	-2.872E+00	-2.356E+01	2.618E-11	5.159E-11
RESULTANT	6.513E+01	4.724E+00	2.486E+01	3.254E-11	6.420E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.076E+01 8.382E+00 -8.528E+00 1.230E-10 0. -3.142E+02
RESULTANT 4.693E+01 1.124E+01 1.871E+01 1.516E-10 0. 4.965E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.925E+01 4.067E+00 -5.281E+01 0. 3.180E-11 -1.764E+02
RESULTANT 6.222E+01 7.208E+00 5.534E+01 0. 3.998E-11 2.586E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.482E+01 -1.871E+01 -2.624E+01 7.986E-12 1.617E-11 9.056E+01
RESULTANT 6.272E+01 2.398E+01 3.124E+01 1.006E-11 2.059E-11 1.452E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -8.581E+01 -1.560E+00 -2.993E+01 0. 3.296E-11 2.641E+02
RESULTANT 1.102E+02 4.198E+00 3.785E+01 0. 4.243E-11 3.932E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.980E+01 1.201E+01 -3.593E+01 7.824E-11 -6.155E-11 -3.077E+03
RESULTANT 4.816E+01 1.781E+01 6.192E+01 8.034E-11 6.301E-11 3.339E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.529E+00 2.614E+01 -1.024E+02 1.119E-11 -1.174E-11 1.020E+02
RESULTANT 1.736E+01 4.314E+01 1.112E+02 1.350E-11 1.419E-11 1.667E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.950E+01 1.626E+01 -1.139E+02 0. 0. 1.668E+03
RESULTANT 2.402E+01 2.761E+01 1.186E+02 0. 0. 2.504E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.264E+01 1.245E+01 -1.368E+02 -9.526E-11 -9.526E-11 8.476E+02
RESULTANT 4.518E+01 1.445E+01 1.400E+02 1.135E-10 1.135E-10 1.305E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	0	9
MAXIMUM	1.137E+01	4.536E+01	-1.740E+02	0.	1.158E+03
RESULTANT	1.955E+01	4.975E+01	1.763E+02	0.	1.541E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
8	5	5	9	9	9
MAXIMUM	4.838E+01	2.409E+01	-1.523E+02	-1.492E-11	7.575E+01
RESULTANT	5.549E+01	2.905E+01	1.569E+02	1.829E-11	1.179E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	9	9	9
MAXIMUM	-7.677E+01	-6.836E+00	-1.065E+02	1.543E-11	-1.608E-11
RESULTANT	1.003E+02	1.178E+01	1.196E+02	1.994E-11	2.048E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	4	4	11
MAXIMUM	-2.605E+01	2.453E+01	-4.707E+01	-1.552E-10	3.118E-10
RESULTANT	4.870E+01	3.673E+01	6.791E+01	1.603E-10	3.221E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM	-5.335E+00	-8.421E+00	-7.186E+01	-1.121E-11	2.176E-11
RESULTANT	9.480E+00	1.543E+01	7.988E+01	1.334E-11	2.578E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM	9.757E+00	8.973E+00	-4.148E+01	-8.490E-09	5.613E-09
RESULTANT	1.318E+01	1.152E+01	4.353E+01	1.009E-08	6.661E-09

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	5	5	9	9	5
MAXIMUM	1.151E+01	3.541E+01	-9.858E+01	-3.316E-10	6.749E-10
RESULTANT	1.980E+01	3.795E+01	1.011E+02	3.921E-10	7.969E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	9
MAXIMUM	2.579E+01	3.848E+01	-7.849E+01	2.321E-09	3.116E-09
RESULTANT	3.072E+01	3.916E+01	8.043E+01	2.735E-09	3.674E-09

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM 4.826E+01 1.535E+01-1.550E+02-1.299E-11 2.569E-11 4.102E+01
 RESULTANT 5.045E+01 1.938E+01 1.566E+02 1.344E-11 3.056E-11 7.124E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -3.784E+01-9.888E+00-9.122E+01-1.401E-11 2.789E-11-1.249E+02
 RESULTANT 5.325E+01 1.470E+01 9.809E+01 1.672E-11 3.336E-11 2.066E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM 2.124E+01 3.414E+01-5.305E+01 2.666E-10 2.666E-10-1.238E+03
 RESULTANT 3.806E+01 6.071E+01 7.374E+01 2.896E-10 2.896E-10 1.737E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM 1.018E+01 5.695E+00-6.148E+01 2.180E-11 2.180E-11-3.710E+01
 RESULTANT 1.365E+01 1.430E+01 6.607E+01 2.648E-11 2.648E-11 4.429E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -1.107E+01-7.423E+00-3.177E+01 6.925E-09 5.526E-09-1.225E+04
 RESULTANT 1.174E+01 9.486E+00 3.324E+01 8.412E-09 6.712E-09 1.563E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -2.748E+01-5.469E+01-9.434E+01 3.278E-10 3.278E-10 1.917E+03
 RESULTANT 3.103E+01 5.513E+01 9.661E+01 4.016E-10 4.016E-10 2.651E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -1.951E+01-1.324E+01-7.165E+01 3.435E-10 0. 1.933E+03
 RESULTANT 2.531E+01 1.354E+01 7.278E+01 4.255E-10 0. 3.871E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM 3.828E+01-5.073E+00-1.418E+02 2.173E-11 1.626E-11 6.763E+01
 RESULTANT 4.040E+01 7.778E+00 1.439E+02 2.718E-11 2.038E-11 9.320E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
36 40 5
MAXIMUM 1.828E+01 -7.146E+00 -7.023E+01 1.862E-10 1.862E-10 9.700E+02
RESULTANT 2.308E+01 1.433E+01 7.246E+01 2.383E-10 2.383E-10 1.646E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
9 5 7 4 4
MAXIMUM 4.080E+01 5.928E+01 -3.539E+01 4.145E-11 -5.199E-11 1.944E+03
RESULTANT 6.673E+01 1.022E+02 5.425E+01 5.593E-11 6.974E-11 2.962E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
9 38 5 9 9
MAXIMUM 1.313E+01 9.368E+00 -9.492E+01 1.081E-11 -1.021E-11 -1.106E+02
RESULTANT 2.522E+01 2.385E+01 1.007E+02 1.417E-11 1.337E-11 1.900E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
40 7 5 9 5
MAXIMUM 5.554E+00 6.279E+00 -1.204E+02 8.416E-11 -8.439E-11 -2.353E+02
RESULTANT 1.261E+01 1.339E+01 1.256E+02 1.102E-10 1.100E-10 4.985E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
53 5 7 5 21
MAXIMUM 6.129E+00 -1.074E+01 -2.560E+00 7.315E+01 4.376E+02 4.878E+01
RESULTANT 1.101E+01 1.326E+01 5.021E+00 9.772E+01 6.026E+02 6.552E+01
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
36 5 5 0 0
MAXIMUM 8.371E+00 -1.668E+01 -1.710E+02 0. 0. -9.410E+02
RESULTANT 1.643E+01 1.844E+01 1.733E+02 0. 0. 1.419E+03
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
5 5 5 9 9
MAXIMUM 2.878E+01 7.802E+00 -1.498E+02 -8.756E-12 -8.756E-12 -8.321E+01
RESULTANT 4.371E+01 1.429E+01 1.542E+02 1.406E-11 1.406E-11 1.253E+02
ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
5 5 5 7 7
MAXIMUM 5.703E+01 2.592E+01 -8.544E+01 -8.544E-11 9.273E-11 1.702E+03
RESULTANT 7.183E+01 3.437E+01 9.232E+01 1.320E-10 1.374E-10 2.642E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.711E+01 6.307E+01 -6.048E+01 6.556E-12 1.320E-11 -1.144E+02
RESULTANT 5.565E+01 1.132E+02 7.461E+01 9.315E-12 1.870E-11 1.979E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.493E+01 1.040E+01 -3.440E+01 6.481E-12 1.275E-11 -9.266E+01
RESULTANT 4.273E+01 1.302E+01 4.147E+01 9.146E-12 1.794E-11 1.734E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.563E+01 -2.326E+01 -2.515E+01 0. 2.445E-11 8.386E+01
RESULTANT 4.089E+01 4.740E+01 3.243E+01 0. 3.431E-11 1.993E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.607E+01 -3.673E+00 -1.823E+01 0. 0. 5.680E+02
RESULTANT 3.939E+01 6.750E+00 1.998E+01 0. 0. 7.038E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.063E+00 -2.699E+00 -3.283E+00 -8.776E+01 -4.392E+02 -1.704E+02
RESULTANT 1.038E+01 4.039E+00 4.565E+00 1.136E+02 6.193E+02 2.198E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.370E+01 9.137E+00 -1.548E+01 0. -7.570E-11 -3.306E+02
RESULTANT 7.077E+01 9.613E+00 1.831E+01 0. 1.139E-10 4.778E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.990E+01 1.594E+01 -4.471E+01 -5.314E-12 -1.023E-11 -8.257E+01
RESULTANT 8.274E+01 2.015E+01 4.758E+01 7.609E-12 1.490E-11 1.226E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.906E+01 9.087E+00 -4.449E+01 -5.681E-12 -1.079E-11 -1.153E+02
RESULTANT 1.026E+02 1.065E+01 5.068E+01 7.957E-12 1.541E-11 1.728E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 47
RESULTANT -8.282E+00 5.679E+01 -3.221E+01 1.334E-10 9.525E-11 1.529E+02
1.677E+01 9.663E+01 4.478E+01 1.972E-10 1.409E-10 2.910E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 47
RESULTANT -5.118E+00 1.679E+01 -4.277E+01 1.261E-10 9.010E-11 1.532E+02
9.956E+00 3.087E+01 4.581E+01 1.863E-10 1.331E-10 2.866E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5
RESULTANT 9.461E+01 -4.657E+01 2.392E+01 9.559E-11 9.559E-11 7.461E+01
1.070E+02 8.502E+01 4.027E+01 1.404E-10 1.404E-10 1.970E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5
RESULTANT 5.456E+01 -3.653E+00 -1.341E+01 1.050E-09 1.050E-09 -2.961E+03
6.115E+01 5.790E+00 1.536E+01 1.527E-09 1.527E-09 4.975E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5
RESULTANT 9.788E+01 1.658E+01 -4.590E+01 6.925E-10 4.924E-10 -2.704E+03
1.075E+02 1.931E+01 5.622E+01 9.928E-10 7.055E-10 4.588E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 47
RESULTANT -9.733E+00 4.339E+01 -2.301E+01 1.720E-10 1.228E-10 1.787E+02
1.886E+01 7.547E+01 3.755E+01 2.621E-10 1.872E-10 3.238E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5
RESULTANT 7.240E+00 1.025E+01 -4.358E+01 1.665E-10 1.189E-10 1.951E+02
1.131E+01 2.047E+01 4.705E+01 2.536E-10 1.811E-10 3.498E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5
RESULTANT 6.356E+01 4.065E+01 -7.065E+01 1.560E-10 1.114E-10 3.503E+02
7.598E+01 9.045E+01 7.806E+01 2.368E-10 1.691E-10 6.211E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.435E+01 1.602E+01 -9.665E+00 1.755E-11 -1.727E-11 1.292E+02
RESULTANT 2.320E+01 2.823E+01 2.091E+01 2.778E-11 2.740E-11 2.660E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.473E+01 2.797E+00 -2.057E+01 1.743E-11 -1.711E-11 1.464E+02
RESULTANT 2.258E+01 4.733E+00 2.238E+01 2.758E-11 2.716E-11 2.897E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.847E+01 -1.347E+01 -2.484E+01 1.744E-11 -1.716E-11 1.631E+02
RESULTANT 2.305E+01 2.892E+01 2.979E+01 2.760E-11 2.724E-11 3.107E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.429E+01 9.224E+00 -2.907E+01 -5.559E-12 -1.023E-11 1.482E+02
RESULTANT 2.937E+01 1.618E+01 3.274E+01 5.869E-12 1.075E-11 1.723E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.555E+00 1.466E+01 -1.398E+01 0. 0. -3.363E+01
RESULTANT 8.673E+00 2.106E+01 2.134E+01 0. 0. 3.431E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.473E+01 1.378E+01 1.034E+01 -1.548E-12 3.137E-13 -5.800E+01
RESULTANT 1.525E+01 2.582E+01 2.039E+01 1.929E-12 5.195E-13 9.604E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.506E+00 1.823E+01 -6.269E+00 -5.484E-12 -5.484E-12 -6.689E+01
RESULTANT 1.064E+01 3.135E+01 1.401E+01 6.445E-12 6.445E-12 7.832E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.893E+01 1.853E+01 2.150E+01 -3.283E-12 -3.283E-12 3.657E+01
RESULTANT 2.954E+01 3.023E+01 3.072E+01 3.743E-12 3.743E-12 6.827E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.765E+01-1.722E+01-4.759E+01-2.840E-11-2.840E-11 3.441E+01
RESULTANT 2.841E+01 2.911E+01 5.628E+01 3.146E-11 3.146E-11 5.457E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.304E+00-3.844E+01-5.335E+01-1.092E-11-1.793E-11-3.042E+02
RESULTANT 1.452E+01 5.921E+01 6.355E+01 1.230E-11 2.090E-11 3.584E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.663E+01-7.896E+00-2.894E+01-5.258E-12 4.374E-12 9.697E+01
RESULTANT 6.021E+01 1.394E+01 4.550E+01 6.407E-12 5.449E-12 1.123E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.558E+01 9.969E+00-3.429E+01-5.387E-12-5.387E-12-8.724E+01
RESULTANT 2.485E+01 1.878E+01 6.181E+01 6.046E-12 6.046E-12 1.037E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.908E+00 2.100E+01-2.639E+01 0. 0. 2.338E+01
RESULTANT 1.249E+01 2.517E+01 4.498E+01 0. 0. 4.764E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.931E+01 9.892E+00-2.563E+01 3.378E-12 4.220E-12 9.819E+01
RESULTANT 3.047E+01 1.908E+01 4.318E+01 3.662E-12 4.677E-12 1.346E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.825E+01 1.006E+01-1.927E+01 0. 0. 1.068E+02
RESULTANT 4.063E+01 2.207E+01 3.310E+01 0. 0. 1.194E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.508E+01 1.556E+01 5.858E+01-2.250E-12-3.376E-12-7.096E+01
RESULTANT 4.826E+01 2.720E+01 6.629E+01 4.306E-12 6.460E-12 1.152E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

X-X-S/R	Y-Y-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	8	5	5

MAXIMUM	4.654E+01	-3.042E+01	-2.490E+01	3.442E-12	4.382E-12	-2.757E+02
RESULTANT	5.070E+01	4.525E+01	3.682E+01	4.874E-12	6.503E-12	3.063E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

X-X-S/R	Y-Y-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
40	5	5	14	14	14

MAXIMUM	-1.159E+01	-5.586E+01	-2.002E+01	4.465E-11	4.465E-11	-2.685E+03
RESULTANT	1.966E+01	8.746E+01	2.902E+01	6.385E-11	6.385E-11	3.067E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

X-X-S/R	Y-Y-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
40	9	5	14	36	14

MAXIMUM	-6.479E+00	1.709E+01	-3.261E+01	7.004E-12	-3.448E-12	1.161E+03
RESULTANT	1.164E+01	2.800E+01	4.288E+01	8.353E-12	4.923E-12	1.383E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

X-X-S/R	Y-Y-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	5	5	5

MAXIMUM	-7.416E+00	-3.410E+00	-7.524E+00	-4.971E-09	-4.090E-09	-2.500E+04
RESULTANT	1.088E+01	4.748E+00	9.181E+00	6.471E-09	5.245E-09	2.719E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

X-X-S/R	Y-Y-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	5	5	5

MAXIMUM	-1.152E+01	7.249E+00	-5.301E+01	-1.382E-09	-1.368E-09	-2.809E+03
RESULTANT	1.252E+01	1.175E+01	5.550E+01	1.655E-09	1.644E-09	3.538E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

X-X-S/R	Y-Y-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	0	0	9

MAXIMUM	-1.936E+01	7.997E+00	-1.221E+01	0.	0.	-1.789E+03
RESULTANT	2.029E+01	1.219E+01	1.666E+01	0.	0.	3.112E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

X-X-S/R	Y-Y-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	7	5	0	5

MAXIMUM	-5.023E+00	4.956E+00	-1.191E+01	-2.371E-10	0.	5.596E+03
RESULTANT	8.778E+00	1.043E+01	1.790E+01	2.615E-10	0.	6.199E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

X-X-S/R	Y-Y-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	9	5	5	5

MAXIMUM	8.679E+00	7.882E+00	1.065E+01	2.159E-10	-1.735E-10	-6.654E+03
RESULTANT	1.299E+01	1.536E+01	1.898E+01	2.789E-10	2.420E-10	7.165E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.278E+01 9.238E+00 3.777E+01 -3.813E-10 -1.907E-10 -1.965E+03
RESULTANT 1.328E+01 1.937E+01 4.348E+01 5.971E-10 2.986E-10 2.956E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.787E+00 -2.443E+01 -3.083E+01 8.449E-09 6.584E-09 3.673E+04
RESULTANT 6.790E+00 3.274E+01 3.388E+01 1.158E-08 8.924E-09 4.157E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.167E+01 3.532E+01 -5.253E+01 7.079E-12 7.079E-12 -1.543E+03
RESULTANT 1.545E+01 4.462E+01 6.172E+01 9.264E-12 9.264E-12 2.019E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.402E+00 1.945E+01 -4.408E+01 -1.075E-11 0. 6.611E+02
RESULTANT 8.561E+00 2.472E+01 5.823E+01 1.301E-11 0. 8.642E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.754E+00 2.229E+00 -6.293E+00 0. 0. -1.552E+04
RESULTANT 1.030E+01 3.391E+00 8.558E+00 0. 0. 1.798E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.415E+01 -8.092E+00 -6.039E+01 2.643E-10 4.097E-10 3.037E+03
RESULTANT 2.010E+01 1.240E+01 6.282E+01 3.500E-10 5.425E-10 4.875E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.055E+01 3.401E+00 -1.830E+01 0. 0. -3.138E+03
RESULTANT 2.996E+01 7.904E+00 2.408E+01 0. 0. 4.297E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.530E+01 -2.982E+00 -1.768E+01 5.455E-11 -3.905E-11 -2.979E+03
RESULTANT 2.140E+01 6.837E+00 2.472E+01 1.134E-10 6.197E-11 5.113E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	58	0	5
MAXIMUM					-3.057E+03
RESULTANT					4.767E+03
2.648E+01 -8.445E+00 -1.623E+01 -6.221E-11 0.					
3.253E+01 1.452E+01 2.325E+01 1.278E-10 0.					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	40	5	9	9	9
MAXIMUM					2.470E+03
RESULTANT					3.994E+03
1.365E+01 -5.213E+00 4.083E+01 2.876E-10 2.876E-10 2.470E+03					
1.420E+01 1.156E+01 4.302E+01 4.596E-10 4.596E-10 3.994E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	8	8	5
MAXIMUM					3.002E+04
RESULTANT					3.213E+04
5.987E+00 1.188E+01 -3.045E+01 3.413E-09 1.706E-09 3.002E+04					
7.059E+00 1.654E+01 3.280E+01 4.488E-09 2.244E-09 3.213E+04					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
8	9	5	14	14	30
MAXIMUM					4.235E+02
RESULTANT					7.042E+02
-4.140E+00 2.992E+01 -6.649E+01 -8.114E-11 -6.227E-11 -4.235E+02					
6.790E+00 4.088E+01 7.794E+01 9.309E-11 7.125E-11 7.042E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	0	0	30
MAXIMUM					1.824E+02
RESULTANT					3.122E+02
4.332E+00 1.747E+01 -4.249E+01 0. 0. 1.824E+02					
7.536E+00 2.608E+01 5.604E+01 0. 0. 3.122E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM					1.373E+04
RESULTANT					1.845E+04
-1.100E+01 1.123E+01 -1.453E+01 6.164E-10 6.164E-10 1.373E+04					
2.121E+01 1.624E+01 1.894E+01 9.322E-10 9.322E-10 1.845E+04					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	5	5	5
MAXIMUM					1.423E+02
RESULTANT					1.945E+02
-7.898E+00 -8.481E+00 -7.999E+01 3.594E-12 3.594E-12 -1.423E+02					
1.059E+01 2.093E+01 8.421E+01 4.289E-12 4.289E-12 1.945E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
53	5	5	21	21	21
MAXIMUM					1.490E+01
RESULTANT					2.257E+01
6.274E+00 1.836E+01 -5.392E+00 -1.211E+02 -8.254E+02 1.490E+01					
1.107E+01 2.272E+01 8.239E+00 1.785E+02 1.214E+03 2.257E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
53	5	53	21	21	21
MAXIMUM	6.211E+00	1.334E+01	-3.435E+00	-6.398E+01	-4.254E+02
RESULTANT	1.103E+01	1.900E+01	7.732E+00	8.601E+01	5.716E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
25	9	5	0	0	5
MAXIMUM	7.748E+00	-1.192E+01	-2.714E+01	0.	1.325E+02
RESULTANT	1.348E+01	2.313E+01	4.928E+01	0.	2.207E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	5	5	21
MAXIMUM	-8.512E+00	-1.812E+01	4.059E+01	3.073E-12	4.609E-12
RESULTANT	1.281E+01	2.592E+01	5.702E+01	4.304E-12	6.453E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	5
MAXIMUM	-1.743E+01	3.023E+01	-2.805E+01	5.228E-12	-2.836E-12
RESULTANT	1.977E+01	4.408E+01	4.597E+01	7.031E-12	4.960E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	14	14	14
MAXIMUM	-9.612E+00	-3.593E+01	-6.183E+01	5.750E-11	5.750E-11
RESULTANT	1.557E+01	5.573E+01	7.761E+01	8.220E-11	3.794E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	14	14	14
MAXIMUM	-7.756E+00	-1.785E+01	-3.625E+01	-9.144E-12	-9.314E-12
RESULTANT	9.098E+00	2.726E+01	5.167E+01	1.013E-11	1.352E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	7	0	0	5
MAXIMUM	5.331E+01	1.529E+01	1.863E+01	0.	-1.311E+02
RESULTANT	7.980E+01	2.806E+01	3.349E+01	0.	2.019E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	7	5	5	5	5
MAXIMUM	-1.517E+01	3.017E+01	-3.967E+01	1.474E-11	1.139E-11
RESULTANT	3.206E+01	5.902E+01	6.492E+01	1.956E-11	1.531E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 9 7 9 5 5 9
 MAXIMUM -2.442E+01 5.915E+01 3.609E+01 1.809E-11 1.809E-11 3.122E+01
 RESULTANT 4.689E+01 1.005E+02 5.638E+01 2.104E-11 2.104E-11 6.467E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 7 5 5 5 21
 MAXIMUM -2.373E+01 3.548E+01 -6.610E+01 3.485E-12 7.124E-12 -8.753E+01
 RESULTANT 2.520E+01 6.122E+01 7.439E+01 3.800E-12 7.654E-12 1.247E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 53 21 9 21 21 21
 MAXIMUM 6.082E+00 6.016E+00 3.725E+00 -7.567E+01 -5.226E+02 -1.174E+01
 RESULTANT 1.045E+01 9.075E+00 5.328E+00 9.396E+01 6.498E+02 1.456E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 53 21 9 21 21 21
 MAXIMUM 6.114E+00 2.828E+00 2.695E+00 -4.131E+01 -2.743E+02 -2.594E+01
 RESULTANT 1.036E+01 3.673E+00 4.575E+00 5.870E+01 3.904E+02 3.277E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 7 7 5 5 5 9
 MAXIMUM -4.053E+00 -3.612E+01 -2.902E+01 6.142E-12 6.142E-12 8.106E+01
 RESULTANT 8.396E+00 4.857E+01 4.337E+01 6.743E-12 6.743E-12 1.333E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 7 7 5 5 5
 MAXIMUM -2.089E+01 -2.430E+01 2.067E+01 3.528E-12 3.528E-12 -9.712E+01
 RESULTANT 2.114E+01 3.194E+01 3.479E+01 3.832E-12 3.832E-12 1.243E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 5 7 5 5 5 5
 MAXIMUM -1.916E+01 -2.140E+01 -4.140E+01 3.281E-11 3.281E-11 -5.044E+01
 RESULTANT 2.074E+01 3.148E+01 5.443E+01 3.615E-11 3.615E-11 7.922E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 9 9 53 5 5 5
 MAXIMUM 3.622E+01 -2.171E+01 -1.156E+01 3.311E-11 2.621E-11 -9.992E+01
 RESULTANT 6.899E+01 3.625E+01 2.824E+01 4.764E-11 3.790E-11 1.411E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
9 9 5 5 5
MAXIMUM -2.328E+01-7.458E+01-3.546E+01-6.414E-11-4.550E-11-3.389E+02
RESULTANT 5.285E+01 1.248E+02 4.985E+01 7.189E-11 5.103E-11 3.820E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
9 9 9 5 5 5
MAXIMUM 2.651E+01-1.795E+01 2.474E+01 3.520E-11 2.799E-11-5.823E+01
RESULTANT 5.071E+01 3.025E+01 4.679E+01 5.292E-11 4.222E-11 1.160E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
5 9 9 5 5 5
MAXIMUM 3.023E+01-5.162E+01 5.255E+01-7.848E-11-5.613E-11 7.267E+01
RESULTANT 6.952E+01 8.802E+01 9.266E+01 8.724E-11 6.237E-11 1.809E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
9 9 9 5 5 5
MAXIMUM 7.585E+00-5.270E+00 2.079E+01 4.491E-12-3.890E-12-8.135E+01
RESULTANT 1.591E+01 9.118E+00 3.866E+01 7.003E-12 6.612E-12 1.553E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (58)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
38 53 9 5 5 5
MAXIMUM 7.730E+00-6.416E-01 1.797E+01 1.373E-11 3.402E-11-8.924E+01
RESULTANT 2.066E+01 1.564E+00 3.450E+01 1.595E-11 3.948E-11 1.804E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
5 9 9 5 5 5
MAXIMUM -6.282E+01-4.197E+00-2.354E+01 9.475E-11 9.475E-11 1.322E+02
RESULTANT 7.378E+01 7.849E+00 3.719E+01 1.006E-10 1.006E-10 2.193E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
5 5 9 5 5 5
MAXIMUM -5.434E+01-8.398E+00-3.551E+01 2.906E-10 3.875E-10 1.571E+02
RESULTANT 6.284E+01 1.347E+01 5.076E+01 3.019E-10 4.025E-10 2.372E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
5 5 9 5 5 5
MAXIMUM -3.639E+01-1.731E+01-3.952E+01-9.930E-11-4.915E-11 1.613E+02
RESULTANT 4.269E+01 2.630E+01 5.486E+01 1.019E-10 5.040E-11 2.267E+02

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.865E+01 1.739E+01 -4.945E+01 -5.448E-11 -5.448E-11 -1.659E+02

RESULTANT 5.235E+01 2.982E+01 6.368E+01 5.520E-11 5.520E-11 1.971E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.614E+01 2.274E+01 -4.701E+01 0. 0. -1.145E+02

RESULTANT 7.988E+01 4.190E+01 6.398E+01 0. 0. 1.419E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -6.109E+01 1.927E+01 -4.467E+01 -9.251E-11 -3.084E-11 5.463E+01

RESULTANT 6.472E+01 3.111E+01 6.338E+01 9.272E-11 3.091E-11 9.896E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.442E+01 -1.054E+01 -4.418E+01 1.261E-10 1.261E-10 3.299E+01

RESULTANT 4.993E+01 2.091E+01 6.563E+01 1.275E-10 1.275E-10 7.778E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.387E+01 1.011E+01 -3.287E+01 1.309E-10 1.309E-10 -1.049E+02

RESULTANT 6.198E+01 1.384E+01 4.244E+01 1.334E-10 1.334E-10 1.446E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -6.393E+01 9.130E+00 -1.386E+01 -3.419E-11 1.057E-10 2.740E+02

RESULTANT 7.377E+01 1.126E+01 2.026E+01 3.530E-11 1.091E-10 2.989E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.110E+01 -2.012E+01 -2.814E+01 4.932E-11 4.932E-11 -2.402E+03

RESULTANT 3.288E+01 2.323E+01 5.262E+01 6.832E-11 6.832E-11 3.317E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.149E+01 -2.069E+01 -3.475E+01 0. -5.549E-11 2.163E+03

RESULTANT 2.699E+01 2.749E+01 5.014E+01 0. 7.002E-11 2.919E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁹	⁴	⁹	⁵	⁵	⁷
MAXIMUM	1.450E+01	-1.747E+01	-2.952E+01	9.305E-11	9.305E-11
RESULTANT	2.995E+01	2.985E+01	4.722E+01	9.875E-11	9.875E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁴	⁵	⁵	⁵	⁵
MAXIMUM	-1.043E+01	-1.291E+01	6.338E+01	2.857E-10	3.809E-10
RESULTANT	1.960E+01	2.994E+01	8.294E+01	2.964E-10	3.953E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁹	⁵	⁵	⁵
MAXIMUM	-3.659E+01	3.103E+01	-3.040E+01	-9.824E-11	-4.931E-11
RESULTANT	3.895E+01	4.336E+01	4.822E+01	1.008E-10	5.054E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁹	⁵	⁵	⁵
MAXIMUM	-1.724E+01	1.312E+01	-3.760E+01	-5.391E-11	-5.391E-11
RESULTANT	2.742E+01	2.703E+01	6.073E+01	5.464E-11	5.464E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁹	⁹	⁰	⁰	⁵
MAXIMUM	3.203E+01	1.815E+01	-3.767E+01	0.	-6.637E+01
RESULTANT	4.928E+01	2.880E+01	4.748E+01	0.	1.010E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁹	⁹	⁵	⁵	⁵
MAXIMUM	3.900E+01	2.507E+01	-4.434E+01	-9.090E-11	-3.030E-11
RESULTANT	5.351E+01	3.565E+01	5.996E+01	9.110E-11	3.037E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁹	⁹	⁵	⁵	⁵
MAXIMUM	3.664E+01	2.536E+01	-5.367E+01	1.242E-10	1.242E-10
RESULTANT	4.993E+01	3.640E+01	6.895E+01	1.256E-10	1.256E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	⁵	⁵	⁵
MAXIMUM	-2.965E+01	-1.913E+01	3.325E+01	-3.401E-11	1.046E-10
RESULTANT	5.175E+01	2.993E+01	4.829E+01	3.512E-11	1.081E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -1.323E+01 4.609E+00 -2.016E+01 1.514E-09 3.028E-09 -1.148E+04
1.757E+01 9.852E+00 2.524E+01 1.550E-09 3.101E-09 1.244E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -1.029E+01 8.237E+00 -2.670E+01 -1.694E-09 -1.694E-09 -4.666E+03
1.211E+01 1.609E+01 3.208E+01 1.718E-09 1.718E-09 5.747E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -2.754E+01 1.436E+01 -2.480E+01 0. 0. 5.108E+03
3.087E+01 2.192E+01 3.708E+01 0. 0. 5.940E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 1.806E+01 -5.070E+00 -1.284E+01 1.536E-09 3.072E-09 -8.207E+03
2.166E+01 8.479E+00 1.719E+01 1.571E-09 3.142E-09 1.038E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 5.909E+00 -1.776E+01 -2.163E+01 -1.630E-09 -1.630E-09 -3.962E+03
9.008E+00 2.245E+01 2.660E+01 1.658E-09 1.658E-09 4.570E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 1.995E+01 -1.724E+01 -1.484E+01 0. 0. 2.496E+03
2.298E+01 2.228E+01 1.866E+01 0. 0. 4.728E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 2.919E+01 -1.219E+01 4.233E+01 -9.889E-11 -9.889E-11 -1.290E+03
4.920E+01 1.980E+01 6.283E+01 1.226E-10 1.226E-10 1.935E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 1.953E+01 1.977E+01 -1.357E+01 0. -4.127E-11 1.403E+03
3.452E+01 3.353E+01 2.703E+01 0. 4.512E-11 2.239E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -5.824E+00-3.719E+01-4.693E+01 2.829E-10 3.772E-10 3.491E+02
1.472E+01 5.436E+01 5.583E+01 2.910E-10 3.880E-10 4.112E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 6.186E+00 1.532E+01-3.415E+00-1.217E+02-8.222E+02 2.704E+01
1.038E+01 1.599E+01 5.659E+00 1.326E+02 9.015E+02 2.875E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 6.281E+00 5.581E+00-2.457E+00 2.596E+01 1.723E+02 3.520E+01
1.032E+01 7.344E+00 4.637E+00 3.575E+01 2.358E+02 4.161E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 1.023E+01-2.548E+01-2.763E+01 0. 0. -2.595E+02
1.542E+01 4.232E+01 4.526E+01 0. 0. 3.112E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -1.339E+01-2.283E+01-3.271E+01-8.738E-11-2.913E-11-2.358E+02
3.091E+01 3.519E+01 4.584E+01 8.758E-11 2.919E-11 2.538E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -1.863E+01-3.343E+01-4.322E+01 1.228E-10 1.228E-10 7.944E+01
3.543E+01 4.755E+01 5.662E+01 1.240E-10 1.240E-10 1.344E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 1.714E+01-3.311E+01-1.838E+01 1.303E-10 1.303E-10-5.855E+01
3.701E+01 4.751E+01 3.426E+01 1.326E-10 1.326E-10 1.058E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 2.303E+01-1.138E+01-9.057E+01-3.373E-11 1.046E-10 2.992E+02
3.672E+01 1.682E+01 1.010E+02 3.486E-11 1.080E-10 3.159E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.180E+01 3.973E+01 -1.832E+01 2.874E-10 3.832E-10 1.901E+02
RESULTANT 1.784E+01 5.659E+01 2.701E+01 2.961E-10 3.948E-10 2.190E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -6.413E+00 2.359E+01 -1.714E+01 -9.914E-11 -4.919E-11 1.239E+02
RESULTANT 1.124E+01 3.602E+01 3.162E+01 1.012E-10 5.015E-11 1.888E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.023E+00 -1.905E+01 1.977E+01 -5.025E-11 -5.025E-11 -3.184E+01
RESULTANT 1.551E+01 2.484E+01 2.954E+01 5.114E-11 5.114E-11 5.023E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.009E+01 -4.081E+01 3.333E+01 0. 0. -1.600E+02
RESULTANT 2.208E+01 5.255E+01 3.741E+01 0. 0. 2.012E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.068E+01 -1.994E+01 -4.355E+01 -8.798E-11 -2.933E-11 -1.755E+02
RESULTANT 4.405E+01 2.845E+01 5.377E+01 8.818E-11 2.939E-11 2.013E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.406E+01 -3.822E+00 -6.137E+01 1.244E-10 1.244E-10 -1.408E+02
RESULTANT 8.223E+01 7.859E+00 6.708E+01 1.256E-10 1.256E-10 2.008E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.062E+02 -3.547E+00 -3.788E+01 1.320E-10 1.320E-10 6.433E+01
RESULTANT 1.194E+02 6.083E+00 4.230E+01 1.343E-10 1.343E-10 1.257E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.793E+01 -3.203E+01 8.504E+00 4.529E-11 4.529E-11 1.437E+02
RESULTANT 9.578E+01 5.583E+01 2.582E+01 4.777E-11 4.777E-11 2.359E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.192E+01 1.087E+01-7.627E+00 7.187E-11 1.200E-10 1.066E+02
RESULTANT 7.616E+01 1.726E+01 1.819E+01 7.408E-11 1.237E-10 1.264E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.908E+01 1.574E+01-5.308E+01 3.404E-11 3.404E-11 6.225E+01
RESULTANT 3.873E+01 2.015E+01 7.539E+01 4.356E-11 4.356E-11 1.229E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -2.758E+01 2.214E+01-5.177E+01 3.394E-11 3.394E-11 5.776E+01
RESULTANT 3.594E+01 2.500E+01 6.135E+01 4.314E-11 4.314E-11 1.037E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.017E+01 4.336E+00-5.570E+01 0. 0. 6.476E+01
RESULTANT 4.382E+01 6.957E+00 5.852E+01 0. 0. 9.636E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.199E+01 2.369E+01-5.406E+01 8.027E-11 8.027E-11 9.171E+01
RESULTANT 2.309E+01 2.531E+01 5.591E+01 9.692E-11 9.692E-11 1.381E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.447E+01 2.839E+01-4.455E+01 4.127E-11 4.127E-11 6.336E+01
RESULTANT 2.790E+01 3.058E+01 4.634E+01 4.997E-11 4.997E-11 1.071E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -3.352E+01 6.505E+00-1.914E+01-2.103E-11-2.103E-11 6.412E+01
RESULTANT 4.911E+01 1.037E+01 2.446E+01 2.558E-11 2.558E-11 1.060E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.551E+01 1.386E+01-1.856E+01 4.281E-11 4.281E-11 1.175E+02
RESULTANT 6.859E+01 1.649E+01 2.679E+01 5.209E-11 5.209E-11 1.974E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	4	4	4
MAXIMUM -2.069E+01 1.222E+01 -3.633E+01 2.007E-10 2.799E-10 2.252E+03					
RESULTANT 3.455E+01 1.814E+01 5.820E+01 2.131E-10 2.930E-10 3.564E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM -1.512E+01 4.541E+01 -1.019E+02 1.137E-11 1.525E-11 -3.888E+01					
RESULTANT 1.729E+01 6.545E+01 1.067E+02 1.366E-11 1.837E-11 8.103E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM -3.102E+01 9.965E+00 -1.157E+02 7.666E-11 9.228E-11 -1.181E+02					
RESULTANT 3.394E+01 1.416E+01 1.196E+02 9.172E-11 1.105E-10 2.542E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
8	5	5	9	9	9
MAXIMUM 5.765E+01 5.970E+01 -1.884E+02 4.911E-11 3.905E-11 -1.090E+02					
RESULTANT 7.369E+01 6.462E+01 2.055E+02 5.826E-11 4.631E-11 1.648E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM -3.115E+01 1.815E+01 -8.882E+01 6.304E-11 8.339E-11 1.725E+02					
RESULTANT 4.584E+01 2.328E+01 9.845E+01 7.573E-11 9.992E-11 2.642E+02					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	4	4	13
MAXIMUM -1.676E+01 2.264E+01 -5.419E+01 7.990E-11 -7.990E-11 -1.030E+03					
RESULTANT 2.983E+01 3.119E+01 7.056E+01 8.145E-11 8.145E-11 1.448E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	9	9	58
MAXIMUM -7.867E+00 4.779E+00 -4.042E+01 4.691E-10 -4.691E-10 7.209E+03					
RESULTANT 1.107E+01 8.214E+00 4.419E+01 5.664E-10 5.664E-10 1.135E+04					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	58
MAXIMUM -6.121E+00 -7.448E+00 -8.073E+01 2.342E-10 4.576E-10 3.612E+03					
RESULTANT 9.992E+00 1.096E+01 8.494E+01 2.802E-10 5.450E-10 5.817E+03					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.864E+01 2.464E+01 -8.007E+01 4.926E-10 -4.926E-10 -2.250E+03
RESULTANT 2.333E+01 2.719E+01 8.192E+01 5.771E-10 5.771E-10 3.378E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.127E+02 2.338E+01 -1.748E+02 1.817E-11 0. 8.494E+01
RESULTANT 1.476E+02 3.630E+01 1.797E+02 2.139E-11 0. 1.179E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.892E+01 1.318E+01 -7.051E+01 1.563E-10 0. 6.008E+02
RESULTANT 2.452E+01 1.769E+01 7.449E+01 1.846E-10 0. 1.026E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.651E+01 3.035E+01 -7.328E+01 6.868E-11 0. 9.489E+02
RESULTANT 2.867E+01 4.304E+01 8.832E+01 7.149E-11 0. 1.410E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.223E+01 -1.878E+01 -3.319E+01 4.281E-10 0. -6.198E+03
RESULTANT 1.700E+01 2.226E+01 3.718E+01 5.225E-10 0. 1.092E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.373E+00 8.832E+00 -6.560E+01 4.239E-10 0. 5.180E+03
RESULTANT 7.131E+00 1.260E+01 7.060E+01 5.173E-10 0. 9.528E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.919E+01 1.182E+01 -6.956E+01 4.472E-10 0. 1.744E+03
RESULTANT 2.104E+01 1.487E+01 7.079E+01 5.383E-10 0. 2.905E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.692E+01 1.412E+01 -1.651E+02 8.067E-12 8.067E-12 4.425E+01
RESULTANT 1.002E+02 2.228E+01 1.718E+02 9.750E-12 9.750E-12 8.040E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.804E+01 1.216E+01 -7.005E+01 6.925E-11 6.925E-11 6.228E+02
RESULTANT 2.353E+01 1.745E+01 7.237E+01 8.453E-11 8.453E-11 1.004E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.476E+01 4.400E+01 -8.789E+01 1.272E-10 1.010E-10 2.482E+03
RESULTANT 5.472E+01 6.352E+01 1.072E+02 1.664E-10 1.319E-10 3.249E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.098E+00 -1.477E+01 4.763E+00 -1.529E+02 -1.000E+03 2.941E+01
RESULTANT 1.046E+01 1.503E+01 6.820E+00 1.555E+02 1.017E+03 4.405E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.733E+01 -4.640E+01 -1.860E+02 4.075E-11 4.787E-11 9.206E+01
RESULTANT 3.734E+01 4.957E+01 1.933E+02 5.551E-11 6.514E-11 1.308E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.003E+01 5.014E+00 -6.303E+01 3.365E-10 4.525E-10 1.307E+03
RESULTANT 4.189E+01 7.738E+00 6.754E+01 4.701E-10 6.330E-10 1.941E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.669E+01 -1.021E+01 -6.814E+01 2.862E-11 2.862E-11 2.853E+02
RESULTANT 2.923E+01 2.602E+01 8.184E+01 3.936E-11 3.936E-11 4.166E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.104E+01 -2.007E+01 -5.748E+01 5.211E-11 5.211E-11 1.946E+02
RESULTANT 2.116E+01 2.294E+01 6.633E+01 7.113E-11 7.113E-11 3.710E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.042E+00 1.182E+01 3.074E+00 7.732E+01 5.035E+02 -3.253E+01
RESULTANT 1.015E+01 1.219E+01 5.254E+00 7.915E+01 5.149E+02 3.804E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.719E+01-1.875E+01-6.113E+01 4.666E-11 4.666E-11-1.094E+02
RESULTANT 3.530E+01 2.013E+01 6.270E+01 7.116E-11 7.116E-11 2.088E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.127E+01-1.762E+01-3.778E+01-1.178E-11-1.178E-11-7.302E+01
RESULTANT 4.162E+01 1.943E+01 4.107E+01 1.834E-11 1.834E-11 1.163E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.895E+01-1.551E+01-2.993E+01 2.369E-11 2.369E-11-1.520E+02
RESULTANT 6.900E+01 1.713E+01 3.663E+01 3.725E-11 3.725E-11 2.389E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 7.598E+01-1.875E+01-5.736E+01-1.707E-11 6.784E-11-8.851E+01
RESULTANT 9.136E+01 4.180E+01 7.408E+01 2.486E-11 9.902E-11 1.966E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.462E+01-9.874E+00-1.398E+01-9.313E-11 6.204E-11-1.567E+02
RESULTANT 5.014E+01 1.243E+01 1.613E+01 1.345E-10 8.961E-11 3.703E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.966E+01-8.403E+00-8.976E+00-1.490E-11 2.250E-11-5.226E+01
RESULTANT 4.202E+01 1.134E+01 2.369E+01 2.120E-11 3.218E-11 1.138E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.361E+01-1.014E+01 3.706E+01-6.540E-12-1.165E-11 2.389E+02
RESULTANT 2.780E+01 2.468E+01 4.692E+01 6.925E-12 1.232E-11 2.729E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.799E+01 1.504E+01-6.149E+00 0. 0. 8.883E+01
RESULTANT 3.306E+01 3.162E+01 1.346E+01 0. 0. 1.150E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.066E+01 1.829E+01-3.683E+01-9.326E-13 9.697E-13-1.793E+02

RESULTANT 2.134E+01 3.362E+01 4.027E+01 1.699E-12 1.117E-12 2.065E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.187E+01 2.469E+01-7.869E+00-6.502E-12-6.502E-12-1.297E+02

RESULTANT 5.387E+01 4.435E+01 1.816E+01 7.831E-12 7.831E-12 1.428E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.194E+01 2.572E+01 1.865E+01-3.523E-12-3.523E-12 5.361E+01

RESULTANT 3.346E+01 4.296E+01 3.063E+01 4.192E-12 4.192E-12 9.256E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.245E+01 2.323E+01-2.227E+01-2.872E-11-2.872E-11 2.185E+01

RESULTANT 2.420E+01 3.391E+01 3.769E+01 3.309E-11 3.309E-11 5.059E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.733E+01 2.396E+01-6.508E+01-1.130E-11-2.040E-11-1.717E+02

RESULTANT 3.948E+01 3.433E+01 7.584E+01 1.321E-11 2.451E-11 2.066E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 4.103E+01 2.035E+01-3.032E+01 4.077E-12 4.870E-12 1.959E+02

RESULTANT 4.268E+01 2.967E+01 5.965E+01 4.449E-12 5.499E-12 2.333E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.260E+02 2.205E+01 2.339E+01 0. 0. 2.148E+02

RESULTANT 1.317E+02 3.364E+01 4.724E+01 0. 0. 2.365E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.143E+01 4.624E+01-1.432E+01 2.516E-11 3.773E-11-2.609E+03

RESULTANT 9.688E+01 6.266E+01 3.463E+01 2.727E-11 4.091E-11 2.757E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.390E+01 3.534E+01 1.808E+01 5.844E-12-5.017E-11 5.440E+03
RESULTANT 3.887E+01 4.945E+01 3.529E+01 6.897E-12 5.373E-11 5.752E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.569E+01 3.558E+01-7.154E+01 3.486E-10 3.486E-10-1.995E+04
RESULTANT 6.032E+01 5.086E+01 8.492E+01 4.468E-10 4.468E-10 2.700E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.644E+01 1.752E+01 3.131E+01 5.252E-11-3.920E-12 8.707E+03
RESULTANT 4.042E+01 2.538E+01 5.095E+01 7.146E-11 5.679E-12 1.185E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.395E+01 2.027E+01-3.645E+01 1.663E-11 0. -4.274E+03
RESULTANT 3.569E+01 3.593E+01 5.570E+01 1.672E-11 0. 4.276E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 5.380E+01 2.544E+01 2.663E+01-3.315E-11-1.508E-12 6.186E+03
RESULTANT 5.709E+01 3.731E+01 4.492E+01 3.319E-11 2.035E-12 6.187E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 3.333E+01 5.304E+01-4.320E+01 9.894E-11 9.894E-11-1.870E+03
RESULTANT 3.704E+01 7.396E+01 6.533E+01 1.001E-10 1.001E-10 2.249E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.652E+01 3.696E+01 3.957E+01 1.831E-10 1.326E-10 3.905E+03
RESULTANT 2.554E+01 5.397E+01 4.654E+01 1.877E-10 1.345E-10 4.716E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 2.080E+01 2.609E+01-7.735E+01-7.437E-12-7.437E-12 1.621E+03
RESULTANT 2.888E+01 4.045E+01 8.921E+01 9.120E-12 9.120E-12 1.988E+03

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	9	8	0	17
MAXIMUM	2.151E+01	2.072E+01	2.306E+01	-5.617E-11	0.
RESULTANT	2.690E+01	3.256E+01	4.401E+01	7.282E-11	0.
					8.845E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	58	9	9	9	5
MAXIMUM	6.662E+00	2.112E+01	3.258E+01	-1.636E-12	-1.636E-12
RESULTANT	1.492E+01	3.594E+01	6.412E+01	2.456E-12	2.456E-12
					4.768E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	58	9	1	9	1
MAXIMUM	5.632E+01	1.380E+01	-2.795E+01	1.658E-11	-2.701E-13
RESULTANT	5.910E+01	3.010E+01	4.883E+01	1.660E-11	4.892E-13
					2.500E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	7	1	1	1
MAXIMUM	4.746E+01	2.665E+01	1.927E+01	-3.319E-11	-3.319E-11
RESULTANT	5.222E+01	3.941E+01	3.766E+01	3.329E-11	3.329E-11
					3.616E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
7	9	5	2	2	2
MAXIMUM	-5.323E+00	4.172E+01	-4.050E+01	-1.922E-11	-4.929E-11
RESULTANT	1.169E+01	6.535E+01	5.405E+01	2.214E-11	5.133E-11
					1.836E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	2	2	2
MAXIMUM	-7.529E+00	2.943E+01	3.175E+01	1.209E-10	6.046E-11
RESULTANT	1.722E+01	4.846E+01	3.970E+01	1.218E-10	6.092E-11
					3.827E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	8	8	8
MAXIMUM	-1.763E+01	2.103E+01	-7.649E+01	-3.225E-10	-2.730E-10
RESULTANT	2.544E+01	3.757E+01	8.653E+01	4.177E-10	3.559E-10
					1.094E+04

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	9	7	0	0	8
MAXIMUM	7.983E+00	1.977E+01	1.661E+01	0.	-3.520E+03
RESULTANT	1.564E+01	3.428E+01	3.076E+01	0.	4.840E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	21	5	5	21
MAXIMUM	9.067E+01	8.636E+00	9.387E+00	-2.315E-12	-3.188E-12
RESULTANT	9.698E+01	1.679E+01	1.884E+01	2.992E-12	3.978E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	7	0	0	5
MAXIMUM	5.224E+01	2.774E+01	3.836E+01	0.	1.749E+02
RESULTANT	6.719E+01	5.216E+01	6.127E+01	0.	2.336E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	36	5	2	2	2
MAXIMUM	-1.862E+01	-2.742E+01	-2.677E+01	1.932E-11	2.897E-11
RESULTANT	2.265E+01	5.630E+01	4.544E+01	2.244E-11	3.365E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	36	7	2	8	2
MAXIMUM	-2.860E+01	-2.950E+01	1.326E+01	3.848E-11	-3.556E-12
RESULTANT	3.314E+01	5.402E+01	2.830E+01	4.435E-11	5.941E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	36	5	8	8	8
MAXIMUM	-8.059E+01	-2.250E+01	-8.412E+01	1.519E-10	1.519E-10
RESULTANT	8.742E+01	4.080E+01	9.599E+01	1.836E-10	1.836E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	36	7	8	8	8
MAXIMUM	-4.096E+01	-1.314E+01	2.005E+01	-2.143E-11	-2.410E-11
RESULTANT	4.611E+01	2.761E+01	3.421E+01	2.861E-11	2.960E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
40	9	7	5	5	7
MAXIMUM	-3.053E+00	-3.051E+01	1.834E+01	1.923E-11	1.923E-11
RESULTANT	6.608E+00	5.218E+01	2.647E+01	2.326E-11	2.326E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	9	5	5	5
MAXIMUM	-2.366E+01	-3.591E+01	1.758E+01	3.351E-12	7.437E-12
RESULTANT	3.874E+01	5.188E+01	3.451E+01	3.734E-12	8.074E-12

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -2.793E+01 1.928E+01 2.471E+01 0. 0. 0.
 RESULTANT 4.004E+01 3.511E+01 3.020E+01 0. 0. -6.620E+01
 9.539E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -3.879E+01 -1.836E+01 -2.272E+01 1.922E-12 2.646E-13 -4.891E+01
 RESULTANT 3.986E+01 2.341E+01 2.665E+01 2.046E-12 3.241E-13 5.991E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -3.898E+01 -3.065E+01 -6.710E+01 6.588E-12 6.588E-12 5.112E+01
 RESULTANT 4.002E+01 5.310E+01 7.741E+01 7.363E-12 7.363E-12 8.697E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -3.724E+00 -2.457E+01 2.309E+01 3.991E-12 3.991E-12 -1.414E+02
 RESULTANT 6.789E+00 4.248E+01 3.645E+01 4.450E-12 4.450E-12 1.682E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -2.520E+01 -2.207E+01 -2.785E+01 3.633E-11 3.633E-11 -1.599E+02
 RESULTANT 2.728E+01 4.192E+01 4.690E+01 4.082E-11 4.082E-11 2.469E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -1.282E+01 -4.488E+00 -1.060E+01 0. 0. -3.876E+01
 RESULTANT 1.633E+01 9.097E+00 1.507E+01 0. 0. 1.054E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -1.445E+01 -8.650E+00 -1.732E+01 0. 6.634E-11 -1.481E+02
 RESULTANT 1.744E+01 1.849E+01 2.814E+01 0. 6.926E-11 1.935E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM -9.746E+00 -1.343E+01 -1.673E+01 -6.841E-11 0. -1.357E+02
 RESULTANT 1.247E+01 2.840E+01 2.860E+01 7.010E-11 0. 2.190E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM $-1.609E+01$ $-1.424E+01$ $-2.429E+01$ 0. 0. $-1.401E+02$
 RESULTANT $1.805E+01$ $3.526E+01$ $4.037E+01$ 0. 0. $2.582E+02$

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM $-2.944E+01$ $3.972E+01$ $2.827E+01$ $-1.280E-10$ $-8.600E-11$ $-1.953E+02$
 RESULTANT $3.133E+01$ $6.070E+01$ $4.382E+01$ $1.284E-10$ $8.630E-11$ $2.346E+02$

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM $-1.788E+01$ $4.325E+01$ $-2.095E+01$ 0. 0. $-3.049E+02$
 RESULTANT $1.976E+01$ $6.082E+01$ $3.088E+01$ 0. 0. $3.559E+02$

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM $-1.265E+01$ $3.353E+01$ $2.167E+01$ 0. 0. $5.826E+02$
 RESULTANT $1.552E+01$ $5.055E+01$ $3.431E+01$ 0. 0. $6.527E+02$

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM $-2.525E+01$ $1.762E+01$ $-1.462E+01$ $1.838E-10$ $1.838E-10$ $5.390E+02$
 RESULTANT $2.848E+01$ $3.242E+01$ $2.420E+01$ $1.870E-10$ $1.870E-10$ $5.810E+02$

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM $-2.807E+01$ $9.217E+00$ $-2.463E+01$ $-2.738E-10$ $-1.825E-10$ $4.750E+02$
 RESULTANT $3.126E+01$ $1.736E+01$ $2.673E+01$ $2.812E-10$ $1.874E-10$ $5.325E+02$

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM $-7.201E+00$ $1.541E+01$ $-1.575E+01$ 0. $-5.702E-11$ $-2.132E+03$
 RESULTANT $1.515E+01$ $2.292E+01$ $3.109E+01$ 0. $6.652E-11$ $4.311E+03$

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
 MAXIMUM $6.733E+00$ $4.069E+01$ $-2.202E+01$ $1.402E-10$ $1.402E-10$ $1.941E+03$
 RESULTANT $1.531E+01$ $6.150E+01$ $3.934E+01$ $1.605E-10$ $1.605E-10$ $4.119E+03$

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5 ³⁹	5	9	0	0	5
MAXIMUM	5.765E+00	3.502E+01	-1.786E+01	0.	-8.153E+01
RESULTANT	1.541E+01	6.069E+01	3.161E+01	0.	1.419E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5 ⁵⁴	4	5	0	5	5
MAXIMUM	4.261E+00	-1.849E+01	5.526E+01	0.	6.565E-11
RESULTANT	1.366E+01	4.884E+01	6.637E+01	0.	6.849E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5 ³⁹	39	5	5	0	5
MAXIMUM	-2.100E+01	-1.832E+01	4.851E+01	-6.531E-11	0.
RESULTANT	2.405E+01	4.493E+01	6.057E+01	6.686E-11	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5 ³⁶	36	5	0	0	5
MAXIMUM	-1.149E+01	-1.731E+01	-3.920E+01	0.	-3.770E+02
RESULTANT	1.795E+01	3.786E+01	5.910E+01	0.	4.522E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5 ⁵	5	9	5	5	5
MAXIMUM	2.536E+01	3.372E+01	-2.968E+01	-1.282E-10	-8.635E-11
RESULTANT	3.705E+01	5.698E+01	4.027E+01	1.286E-10	8.666E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5 ⁹	9	9	0	0	5
MAXIMUM	1.720E+01	2.742E+01	-3.001E+01	0.	-2.009E+02
RESULTANT	3.220E+01	5.480E+01	4.744E+01	0.	2.686E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5 ⁹	9	9	0	0	5
MAXIMUM	3.362E+01	3.324E+01	-2.589E+01	0.	4.069E+02
RESULTANT	4.721E+01	5.007E+01	3.137E+01	0.	4.841E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5 ⁹	9	5	5	5	5
MAXIMUM	3.544E+01	3.317E+01	-3.146E+01	1.839E-10	1.839E-10
RESULTANT	4.871E+01	4.560E+01	4.657E+01	1.871E-10	1.871E-10

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.185E+01 1.167E+01 3.212E+01 -2.724E-10 -1.816E-10 5.873E+02
RESULTANT 2.012E+01 1.764E+01 3.592E+01 2.798E-10 1.865E-10 6.434E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.673E+00 -2.408E+01 2.968E+01 -1.127E-10 -1.687E-10 1.326E+03
RESULTANT 1.899E+01 3.110E+01 4.645E+01 1.328E-10 1.977E-10 1.896E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.936E+00 -5.523E+01 3.068E+01 1.264E-10 1.264E-10 -1.484E+03
RESULTANT 1.794E+01 7.452E+01 4.989E+01 1.403E-10 1.403E-10 2.163E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.885E+00 -4.478E+01 -3.411E+01 0. 0. -1.751E+02
RESULTANT 1.599E+01 7.738E+01 5.839E+01 0. 0. 2.378E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 8.887E+00 -4.227E+01 -3.459E+01 0. 6.511E-11 8.145E+01
RESULTANT 1.975E+01 6.753E+01 5.554E+01 0. 6.766E-11 1.781E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.259E+01 -1.399E+01 -4.094E+01 -6.347E-11 0. 4.050E+02
RESULTANT 1.973E+01 2.790E+01 5.624E+01 6.475E-11 0. 5.795E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 9.384E+00 -1.253E+01 -3.379E+01 0. 0. -9.836E+02
RESULTANT 1.807E+01 2.254E+01 5.604E+01 0. 0. 1.094E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -7.044E+00 -3.129E+01 -3.894E+01 -1.269E-10 -8.507E-11 -2.187E+02
RESULTANT 1.516E+01 6.378E+01 5.535E+01 1.277E-10 8.570E-11 3.049E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.704E+01 -3.450E+01 -2.788E+01 0. 0. 1.397E+02
RESULTANT 4.232E+01 5.824E+01 4.024E+01 0. 0. 3.101E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -5.628E+01 -6.142E+01 -1.157E+01 1.867E-10 1.867E-10 6.311E+02
RESULTANT 7.567E+01 7.406E+01 2.242E+01 1.899E-10 1.899E-10 6.985E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.222E+01 -3.774E+01 -4.459E+01 -2.717E-10 -1.811E-10 6.875E+02
RESULTANT 1.542E+01 4.146E+01 5.046E+01 2.790E-10 1.860E-10 7.557E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -1.198E+01 -2.096E+01 -1.851E+01 0. 6.546E-11 1.372E+02
RESULTANT 1.728E+01 3.755E+01 3.433E+01 0. 6.822E-11 2.417E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.913E+01 -3.094E+01 -4.437E+01 -6.470E-11 0. 2.964E+02
RESULTANT 2.367E+01 6.376E+01 6.048E+01 6.616E-11 0. 4.249E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 1.402E+01 -1.907E+01 2.643E+01 0. 0. -8.979E+02
RESULTANT 1.864E+01 3.790E+01 3.992E+01 0. 0. 1.024E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM -4.992E+00 -5.390E+01 1.827E+01 -1.285E-10 -8.652E-11 -2.445E+02
RESULTANT 1.017E+01 7.074E+01 2.420E+01 1.293E-10 8.714E-11 3.524E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM 6.872E+00 -6.853E+01 1.394E+01 0. 0. 1.563E+02
RESULTANT 1.022E+01 7.932E+01 2.240E+01 0. 0. 3.248E+02

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
3.043E+01	-3.493E+01	-2.560E+01	0.	0.	7.744E+02
RESULTANT	3.451E+01	4.191E+01	3.046E+01	0.	8.842E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5.707E+01	-6.847E+00	6.342E+00	1.872E-10	1.872E-10	4.877E+02
RESULTANT	6.425E+01	1.267E+01	1.219E+01	1.904E-10	5.688E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
2.531E+01	-6.511E+00	1.467E+01	0.	0.	-7.556E+01
RESULTANT	3.223E+01	9.380E+00	2.041E+01	0.	1.194E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
2.772E+01	-3.792E+00	9.006E+00	0.	3.283E-11	8.115E+01
RESULTANT	3.504E+01	5.935E+00	1.708E+01	0.	3.421E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
-1.042E+01	-8.305E+00	-1.397E+01	3.142E-11	1.039E-11	-4.010E+01
RESULTANT	1.528E+01	1.353E+01	2.482E+01	4.100E-11	1.346E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
-1.227E+01	-9.984E+00	-3.821E+01	3.147E-11	1.026E-11	-8.305E+01
RESULTANT	1.609E+01	1.218E+01	4.710E+01	4.057E-11	1.345E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
-9.951E+00	-8.677E+00	-1.274E+02	1.338E-12	2.676E-12	7.844E+00
RESULTANT	1.574E+01	1.265E+01	1.377E+02	1.658E-12	3.317E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
6.527E+00	4.485E+00	-1.261E+02	1.117E-11	2.234E-11	-4.068E+01
RESULTANT	1.378E+01	9.325E+00	1.360E+02	1.362E-11	2.724E-11

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 1.849E+01 4.069E+00-1.427E+02 1.563E-12 3.126E-12 6.529E+00
2.918E+01 8.277E+00 1.543E+02 1.858E-12 3.715E-12 9.164E+00

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -1.247E+01-4.125E+00-7.073E+01 1.283E-11 2.567E-11 2.850E+01
2.238E+01 7.161E+00 7.876E+01 1.526E-11 3.053E-11 5.903E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -2.101E+01 2.441E+01-2.041E+01 3.916E-11 1.348E-11-8.152E+01
2.551E+01 2.618E+01 2.392E+01 4.654E-11 1.613E-11 1.586E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -8.745E+00 6.817E+00-2.863E+01-3.514E-11-1.049E-11 4.314E+03
1.571E+01 1.239E+01 4.688E+01 4.522E-11 1.394E-11 4.571E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -1.370E+01 4.488E+01-1.387E+02-4.029E-11-2.105E-11-3.803E+02
1.723E+01 4.954E+01 1.475E+02 4.911E-11 2.572E-11 6.279E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 1.050E+01 3.775E+01-8.515E+01 0. 2.577E-11 1.805E+02
1.242E+01 4.288E+01 9.092E+01 0. 3.034E-11 2.576E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 5.733E+00-1.443E+01-4.408E+01 0. -4.457E-11 2.179E+03
1.082E+01 2.582E+01 6.071E+01 0. 4.674E-11 2.631E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -3.172E+00 2.792E+01-1.225E+02 0. -4.013E-11-2.969E+02
6.670E+00 3.373E+01 1.317E+02 0. 4.804E-11 5.537E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	9	9
MAXIMUM	7.873E+00	-6.778E+00	-3.732E+01	0.	3.419E-11
RESULTANT	1.574E+01	1.088E+01	4.508E+01	0.	4.959E-11
					5.454E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
36	5	5	0	9	5
MAXIMUM	9.782E+00	2.474E+01	-7.661E+01	0.	-2.491E-11
RESULTANT	1.230E+01	3.815E+01	8.053E+01	0.	2.958E-11
					1.933E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	4	5	4	0	6
MAXIMUM	5.961E+00	-1.157E+01	-5.241E+01	2.514E-11	0.
RESULTANT	1.161E+01	2.200E+01	6.386E+01	3.498E-11	0.
					3.211E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
21	5	5	9	9	58
MAXIMUM	-9.782E+00	1.704E+01	-1.227E+02	-1.871E-11	-3.647E-11
RESULTANT	1.534E+01	2.390E+01	1.308E+02	2.247E-11	4.366E-11
					4.842E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	9	9
MAXIMUM	1.413E+01	-8.350E+00	-3.580E+01	0.	1.674E-11
RESULTANT	1.830E+01	1.319E+01	4.153E+01	0.	2.429E-11
					3.019E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
36	36	5	9	9	5
MAXIMUM	1.188E+01	2.034E+01	-7.513E+01	-1.155E-11	-2.273E-11
RESULTANT	1.484E+01	3.026E+01	7.849E+01	1.432E-11	2.798E-11
					2.648E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
9	9	5	4	4	4
MAXIMUM	1.040E+01	-7.391E+00	-4.070E+01	-2.606E-11	-2.296E-11
RESULTANT	1.850E+01	1.177E+01	4.823E+01	4.224E-11	3.428E-11
					4.786E+03

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
21	48	5	0	9	9
MAXIMUM	-2.752E+00	-5.301E+00	-1.494E+02	0.	3.301E-11
RESULTANT	5.379E+00	1.273E+01	1.617E+02	0.	4.091E-11
					6.913E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	36	5	0	9	5
MAXIMUM	1.667E+01	8.648E+00	-6.324E+01	0.	1.957E-11
RESULTANT	2.384E+01	1.347E+01	6.746E+01	0.	2.615E-11
					4.598E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	7	5	9	9	39
MAXIMUM	1.343E+01	1.296E+01	-4.386E+01	2.567E-11	8.446E-12
RESULTANT	1.946E+01	2.256E+01	6.041E+01	3.458E-11	1.138E-11
					1.421E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	5	5
MAXIMUM	2.291E+01	-1.525E+01	-8.897E+01	1.511E-11	-1.465E-12
RESULTANT	2.493E+01	1.857E+01	1.021E+02	1.991E-11	2.463E-12
					4.085E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	36
MAXIMUM	-1.520E+01	-4.298E+00	-1.084E+02	8.407E-12	1.681E-11
RESULTANT	3.280E+01	8.777E+00	1.178E+02	1.208E-11	2.415E-11
					1.447E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	9	9	5
MAXIMUM	2.430E+01	-8.591E+00	-6.437E+01	2.500E-11	8.978E-12
RESULTANT	3.029E+01	1.342E+01	7.071E+01	3.625E-11	1.290E-11
					2.638E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	9	9
MAXIMUM	1.953E+01	-3.355E+00	-2.775E+01	0.	3.497E-11
RESULTANT	2.524E+01	8.183E+00	4.178E+01	0.	5.087E-11
					5.518E+02

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
48	5	7	5	5	5
MAXIMUM	-9.667E+00	2.831E+01	2.190E+01	-1.548E-12	-1.548E-12
RESULTANT	1.954E+01	4.529E+01	4.382E+01	1.704E-12	1.704E-12
					8.036E+00

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
48	36	7	5	5	5
MAXIMUM	-4.750E+00	-1.597E+01	3.033E+01	2.821E-12	6.598E-13
RESULTANT	7.794E+00	4.084E+01	4.652E+01	3.002E-12	7.034E-13
					3.533E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R⁵ YY-S/R³⁹ XY-S/R⁷ XX-M/R⁵ YY-M/R⁵ XY-M/R⁵MAXIMUM 6.420E+01 -1.633E+01 4.118E+01 4.592E-12 4.592E-12 2.489E+01
RESULTANT 6.972E+01 4.108E+01 7.137E+01 4.810E-12 4.810E-12 2.876E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (4)

XX-S/R⁵ YY-S/R³⁶ XY-S/R⁵ XX-M/R⁵ YY-M/R⁵ XY-M/R⁵MAXIMUM 3.928E+01 -1.989E+01 -1.102E+02 -2.314E-13 6.354E-13 -3.190E+01
RESULTANT 4.368E+01 4.217E+01 1.242E+02 2.709E-13 6.801E-13 3.578E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (5)

XX-S/R⁵ YY-S/R⁵ XY-S/R⁵ XX-M/R⁵ YY-M/R⁰ XY-M/R⁵MAXIMUM -4.405E+01 5.079E+01 -6.986E+01 -3.510E-13 0. -2.002E+01
RESULTANT 4.841E+01 7.434E+01 8.693E+01 4.731E-13 0. 2.194E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (6)

XX-S/R⁵ YY-S/R⁵ XY-S/R⁵ XX-M/R⁵ YY-M/R⁵ XY-M/R⁵MAXIMUM -3.138E+01 5.088E+01 -4.844E+01 -4.544E-13 -4.544E-13 1.063E+01
RESULTANT 3.506E+01 7.389E+01 8.233E+01 5.563E-13 5.563E-13 1.623E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (7)

XX-S/R⁵ YY-S/R⁵ XY-S/R⁵ XX-M/R⁵ YY-M/R⁵ XY-M/R⁵MAXIMUM -3.181E+01 3.753E+01 8.158E+01 -1.162E-12 -1.162E-12 -1.993E+01
RESULTANT 3.507E+01 6.591E+01 1.020E+02 1.396E-12 1.396E-12 2.294E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (8)

XX-S/R⁵ YY-S/R⁹ XY-S/R⁵ XX-M/R⁵ YY-M/R⁵ XY-M/R³⁶MAXIMUM -3.835E+01 3.058E+01 6.521E+01 -2.654E-12 -3.990E-12 -3.802E+00
RESULTANT 4.240E+01 5.096E+01 8.007E+01 3.251E-12 4.880E-12 6.216E+00

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (9)

XX-S/R⁹ YY-S/R⁵ XY-S/R⁵ XX-M/R⁰ YY-M/R⁵ XY-M/R⁵MAXIMUM 7.102E+00 1.530E+01 7.986E+01 0. 7.123E-13 2.624E+01
RESULTANT 9.190E+00 2.409E+01 8.898E+01 0. 9.689E-13 2.960E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (10)

XX-S/R⁵ YY-S/R⁴ XY-S/R⁵ XX-M/R⁵ YY-M/R⁵ XY-M/R⁹MAXIMUM 3.934E+01 -4.842E+01 -4.472E+01 9.611E-13 5.181E-13 2.695E+01
RESULTANT 5.765E+01 5.769E+01 8.019E+01 1.287E-12 7.439E-13 4.670E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (11)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	5	0	5
MAXIMUM	7.776E+01	4.897E+01	4.493E+01	-5.519E-13	0.
RESULTANT	1.175E+02	8.227E+01	9.086E+01	7.410E-13	0.
					2.282E+01
					3.072E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (12)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
48	5	7	0	0	9
MAXIMUM	-6.678E+01	4.607E+01	3.586E+01	0.	0.
RESULTANT	1.195E+02	7.619E+01	6.544E+01	0.	0.
					-8.487E+00
					1.372E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (13)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	4	7	5	0	5
MAXIMUM	6.237E+01	-2.601E+01	3.694E+01	8.141E-13	0.
RESULTANT	8.946E+01	5.604E+01	6.712E+01	9.476E-13	0.
					-2.127E+01
					2.718E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (14)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	4	5	0	0	5
MAXIMUM	7.943E+01	-1.944E+01	7.079E+01	0.	0.
RESULTANT	9.070E+01	4.669E+01	1.068E+02	0.	0.
					3.717E+01
					4.677E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (15)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	36	5	5	5	5
MAXIMUM	4.800E+01	-2.322E+01	-1.293E+02	1.635E-13	5.099E-13
RESULTANT	6.018E+01	4.555E+01	1.445E+02	1.732E-13	6.081E-13
					2.691E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (16)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
54	5	5	40	40	5
MAXIMUM	-3.405E+01	4.811E+01	-7.253E+01	-2.271E-13	-2.271E-13
RESULTANT	6.004E+01	7.052E+01	9.261E+01	4.608E-13	4.608E-13
					2.263E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (17)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
54	5	5	40	5	5
MAXIMUM	-3.210E+01	3.642E+01	-4.072E+01	-1.717E-13	-6.507E-14
RESULTANT	6.322E+01	6.242E+01	7.574E+01	3.604E-13	1.377E-13
					2.100E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (18)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	0	0	36
MAXIMUM	4.162E+01	2.976E+01	6.617E+01	0.	0.
RESULTANT	7.682E+01	5.313E+01	8.533E+01	0.	0.
					1.921E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (19)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
36	5	5	36	36	36

MAXIMUM	1.814E+01	3.216E+01	7.830E+01	1.119E-12	1.119E-12	1.607E+01
RESULTANT	6.180E+01	5.129E+01	9.054E+01	2.153E-12	2.153E-12	2.490E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (20)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	9	5	36	36	36

MAXIMUM	3.153E+01	1.870E+01	8.661E+01	-5.160E-13	-5.160E-13	-4.022E+01
RESULTANT	5.098E+01	3.299E+01	9.381E+01	7.559E-13	7.559E-13	6.523E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (21)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	4	5	5	5	5

MAXIMUM	2.392E+01	-1.020E+02	-5.866E+01	4.842E-13	4.842E-13	3.352E+01
RESULTANT	4.350E+01	1.109E+02	9.493E+01	7.572E-13	7.572E-13	3.694E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (22)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
48	4	12	0	0	0

MAXIMUM	-4.428E+01	-6.653E+01	-3.202E+01	0.	0.	0.
RESULTANT	7.660E+01	7.470E+01	6.969E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (23)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
48	4	7	0	0	0

MAXIMUM	-5.594E+01	-4.447E+01	3.999E+01	0.	0.	0.
RESULTANT	8.698E+01	5.634E+01	6.283E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (24)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
48	4	5	0	0	0

MAXIMUM	-4.076E+01	-3.163E+01	4.976E+01	0.	0.	0.
RESULTANT	6.960E+01	4.614E+01	8.434E+01	0.	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (25)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	4	5	5	5	5

MAXIMUM	4.055E+01	-2.268E+01	7.724E+01	2.132E-12	1.552E-12	-3.453E+01
RESULTANT	5.326E+01	4.368E+01	1.112E+02	2.397E-12	1.739E-12	3.590E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (26)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
54	36	5	5	5	5

MAXIMUM	-1.754E+01	-2.351E+01	-1.428E+02	-4.349E-13	-2.899E-13	1.329E+01
RESULTANT	3.533E+01	4.674E+01	1.571E+02	4.930E-13	3.287E-13	1.381E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (27)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵⁴
 MAXIMUM -3.396E+01 -2.879E+01 -8.650E+01 0. 0. 0.
 RESULTANT 6.505E+01 4.900E+01 1.032E+02 0. 0. 0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (28)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵⁴
 MAXIMUM -3.244E+01 -2.971E+01 3.236E+01 0. 0. 0.
 RESULTANT 6.329E+01 4.871E+01 6.650E+01 0. 0. 0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (29)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵⁴
 MAXIMUM -2.281E+01 -2.529E+01 5.402E+01 0. 0. 0.
 RESULTANT 5.808E+01 4.391E+01 7.515E+01 0. 0. 0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (30)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁵⁶
 MAXIMUM 1.947E+01 2.453E+01 8.142E+01 0. 0. 0.
 RESULTANT 5.254E+01 4.262E+01 9.353E+01 0. 0. 0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (31)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
³⁶
 MAXIMUM 2.209E+01 2.638E+01 1.012E+02 0. 3.450E-13 -3.375E+01
 RESULTANT 4.364E+01 4.170E+01 1.092E+02 0. 4.712E-13 3.608E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (32)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁹
 MAXIMUM -1.914E+01 -8.186E+01 -5.919E+01 3.404E-13 0. 3.190E+01
 RESULTANT 3.518E+01 9.408E+01 9.816E+01 6.081E-13 0. 3.503E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (33)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁴⁸
 MAXIMUM -4.166E+01 -5.909E+01 -3.551E+01 0. 0. 0.
 RESULTANT 6.066E+01 7.292E+01 7.597E+01 0. 0. 0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (34)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R
⁴⁸
 MAXIMUM -5.433E+01 -4.110E+01 3.864E+01 0. 0. 0.
 RESULTANT 7.619E+01 5.849E+01 6.338E+01 0. 0. 0.

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ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (35)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁴⁸	⁴	⁵	0	0	0
MAXIMUM	-4.109E+01	-2.939E+01	5.666E+01	0.	0.
RESULTANT	5.776E+01	4.673E+01	8.990E+01	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (36)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁴⁸	⁵	⁵	0	0	⁵
MAXIMUM	-2.094E+01	-2.512E+01	8.506E+01	0.	-3.090E+01
RESULTANT	3.218E+01	4.449E+01	1.185E+02	0.	3.242E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (37)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R	
⁵	³⁶	⁵	⁵	⁹	⁵	
MAXIMUM	-2.388E+01	-2.180E+01	-1.554E+02	-3.181E-14	-3.200E-14	1.189E+01
RESULTANT	4.624E+01	4.588E+01	1.704E+02	4.472E-14	6.530E-14	1.247E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (38)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	³⁶	⁵	0	0	0
MAXIMUM	-7.155E+01	-3.005E+01	-9.053E+01	0.	0.
RESULTANT	1.057E+02	4.301E+01	1.053E+02	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (39)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	³⁶	⁴⁰	0	0	0
MAXIMUM	-6.813E+01	-3.434E+01	3.225E+01	0.	0.
RESULTANT	9.871E+01	5.273E+01	6.403E+01	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (40)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	0	0	0
MAXIMUM	-4.440E+01	-3.250E+01	5.105E+01	0.	0.
RESULTANT	7.701E+01	5.888E+01	7.478E+01	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (41)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	0	0	0
MAXIMUM	-3.195E+01	-2.909E+01	7.377E+01	0.	0.
RESULTANT	6.601E+01	5.635E+01	8.649E+01	0.	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (42)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
³⁶	⁹	⁵	0	0	⁵
MAXIMUM	1.788E+01	2.472E+01	9.751E+01	0.	-3.513E+01
RESULTANT	4.043E+01	4.471E+01	1.064E+02	0.	3.674E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (43)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	5	40
MAXIMUM -3.223E+01 -3.691E+01 -5.023E+01 -6.495E-13 -3.492E-13 -2.359E+01					
RESULTANT 5.082E+01 6.170E+01 8.486E+01 1.170E-12 5.360E-13 4.011E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (44)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	7	9	0	5
MAXIMUM -5.350E+01 -7.659E+01 5.108E+01 1.986E-13 0. 2.784E+01					
RESULTANT 1.003E+02 1.071E+02 1.053E+02 3.843E-13 0. 3.937E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (45)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
48	5	7	0	0	5
MAXIMUM -6.815E+01 -6.150E+01 2.480E+01 0. 0. -1.114E+01					
RESULTANT 1.215E+02 8.763E+01 5.550E+01 0. 0. 2.006E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (46)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	5	0	5
MAXIMUM -4.422E+01 -3.334E+01 4.747E+01 -3.623E-13 0. -1.311E+01					
RESULTANT 8.409E+01 5.657E+01 8.540E+01 5.609E-13 0. 2.208E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (47)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	0	0	9
MAXIMUM -3.268E+01 -2.217E+01 9.297E+01 0. 0. 1.498E+01					
RESULTANT 5.202E+01 4.595E+01 1.295E+02 0. 0. 2.694E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (48)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	21	5	21
MAXIMUM -6.938E+01 -2.542E+01 -1.665E+02 8.695E-14 -3.140E-13 1.267E+01					
RESULTANT 8.925E+01 4.756E+01 1.849E+02 1.309E-13 4.290E-13 1.545E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (49)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	5	21	21	21
MAXIMUM -1.319E+02 -3.720E+01 -8.574E+01 2.714E-13 2.714E-13 -5.198E+00					
RESULTANT 1.748E+02 5.853E+01 1.012E+02 3.822E-13 3.822E-13 1.105E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (50)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
5	5	40	9	9	36
MAXIMUM -1.233E+02 -5.976E+01 3.351E+01 1.585E-13 6.453E-14 -1.154E+01					
RESULTANT 1.535E+02 8.311E+01 6.688E+01 3.572E-13 1.417E-13 2.023E+01					

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (51)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	⁰	⁰	²⁵
MINUM	-6.415E+01	-1.364E+02	6.165E+01	0.	1.869E+01
RESULTANT	1.001E+02	1.733E+02	8.698E+01	0.	4.748E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (52)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	³⁶	³⁶	³⁶	⁵
MINUM	-4.743E+01	-8.180E+01	-3.304E+01	1.581E-12	1.581E-12
RESULTANT	9.510E+01	9.528E+01	5.240E+01	2.757E-12	2.757E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (53)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	⁵	⁵	³⁶
MINUM	-3.905E+01	-4.671E+01	6.622E+01	-7.020E-13	-7.020E-13
RESULTANT	6.109E+01	5.641E+01	7.774E+01	9.033E-13	9.033E-13

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (54)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁴⁸	⁵	⁵	⁵	⁵	⁷
MINUM	-2.101E+01	-3.844E+01	-2.710E+01	8.342E-13	8.342E-13
RESULTANT	4.228E+01	6.752E+01	4.082E+01	1.038E-12	1.038E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (55)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁴⁸	⁹	⁷	⁵	⁵	⁵
MINUM	-1.876E+01	-3.103E+01	3.313E+01	-1.858E-12	-4.745E-13
RESULTANT	3.490E+01	4.948E+01	5.723E+01	2.080E-12	5.301E-13

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (56)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁹	⁹	⁵	⁵	⁵	⁵
MINUM	-1.853E+01	-3.587E+01	8.254E+01	-3.243E-12	-3.243E-12
RESULTANT	3.211E+01	6.296E+01	1.177E+02	3.418E-12	3.418E-12

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (57)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	³⁶	⁵	⁵	⁵	²¹
MINUM	-1.959E+01	-2.333E+01	-1.732E+02	2.512E-13	-5.130E-13
RESULTANT	2.614E+01	4.108E+01	1.898E+02	2.659E-13	5.480E-13

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (58)

XX-S/R	YY-S/R	XY-S/R	XX-M/R	YY-M/R	XY-M/R
⁵	⁵	⁵	⁵	⁰	²¹
MINUM	-2.222E+01	-6.902E+01	-9.469E+01	4.398E-13	0.
RESULTANT	3.273E+01	8.575E+01	1.067E+02	4.955E-13	0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (59)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -1.347E+01 -8.337E+01 3.049E+01 5.388E-13 5.388E-13 -1.664E+01
2.506E+01 1.008E+02 6.253E+01 6.200E-13 6.200E-13 2.078E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (60)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 9.060E+00 -1.305E+02 1.140E+02 1.529E-12 1.529E-12 -5.031E+01
1.390E+01 1.629E+02 1.307E+02 1.778E-12 1.778E-12 7.216E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (61)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 2.354E+01 -4.973E+01 7.255E+01 3.978E-12 5.782E-12 1.921E+01
2.697E+01 5.691E+01 9.215E+01 4.591E-12 6.703E-12 2.500E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (62)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -5.365E+00 -1.963E+01 2.317E+01 1.435E-11 1.022E-11 -1.905E+01
9.624E+00 3.198E+01 3.463E+01 1.546E-11 1.101E-11 2.681E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (63)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT -5.319E+00 -1.816E+01 3.481E+01 -1.391E-11 -7.907E-12 1.333E+01
1.162E+01 2.750E+01 5.630E+01 1.476E-11 8.403E-12 2.461E+01

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (1)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 1.001E+05 2.327E+04 -2.035E+03 0. 2.930E+05 3.350E+06 -1.001E+05 -2.327E+04 2.035E+03 0.
1.281E+05 4.446E+04 3.153E+03 0. 4.541E+05 6.403E+06 1.281E+05 4.446E+04 3.153E+03 0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (2)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 5.783E+04 2.010E+04 -3.364E+03 0. 3.734E+05 2.231E+06 -5.783E+04 -2.010E+04 3.364E+03 0.
7.723E+04 3.366E+04 4.739E+03 0. 5.261E+05 3.736E+06 7.723E+04 3.366E+04 4.739E+03 0.

ELEMENT TYPE (P L A T E / S H E L L) / / / ELEMENT NUMBER (3)

XX-S/R YY-S/R XY-S/R XX-M/R YY-M/R XY-M/R

MAXIMUM
RESULTANT 2.587E+04 1.756E+04 -1.242E+03 0. 2.086E+05 2.950E+06 -2.587E+04 -1.756E+04 1.242E+03 0.
4.225E+04 2.700E+04 1.952E+03 0. 3.279E+05 4.536E+06 4.225E+04 2.700E+04 1.952E+03 0.

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ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (4)

P1(I)	5	V2(I)	19	V3(I)	5	T1(I)	0	M2(I)	5	M3(I)	19	P1(J)	5	V2(J)	19	V3(J)	5	T1(J)	0	M2(J)	5	M3(J)	19
MAXIMUM	1.069E+04	1.792E+04	1.512E+03	0.	-2.404E+05	2.849E+06	-1.069E+04	1.792E+04	-1.512E+03	0.	-2.404E+05	2.849E+06	2.311E+04	3.333E+04	2.241E+03	0.	3.564E+05	5.299E+06	2.311E+04	3.333E+04	2.241E+03	0.	
RESULTANT	2.311E+04	3.333E+04	2.241E+03	0.	3.564E+05	5.299E+06	2.311E+04	3.333E+04	2.241E+03	0.	3.564E+05	5.299E+06											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (5)

P1(I)	5	V2(I)	5	V3(I)	9	T1(I)	0	M2(I)	9	M3(I)	5	P1(J)	5	V2(J)	5	V3(J)	9	T1(J)	0	M2(J)	9	M3(J)	5
MAXIMUM	-3.037E+04	-1.368E+04	1.257E+03	0.	-2.112E+05	-2.298E+06	3.037E+04	1.368E+04	-1.257E+03	0.	-2.112E+05	-2.298E+06	5.184E+04	2.305E+04	2.027E+03	0.	3.405E+05	3.872E+06	5.184E+04	2.305E+04	2.027E+03	0.	
RESULTANT	5.184E+04	2.305E+04	2.027E+03	0.	3.405E+05	3.872E+06	5.184E+04	2.305E+04	2.027E+03	0.	3.405E+05	3.872E+06											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (6)

P1(I)	40	V2(I)	43	V3(I)	9	T1(I)	0	M2(I)	9	M3(I)	43	P1(J)	40	V2(J)	43	V3(J)	9	T1(J)	0	M2(J)	9	M3(J)	43
MAXIMUM	-1.679E+04	1.337E+04	1.654E+03	0.	-2.633E+05	2.125E+06	1.679E+04	-1.337E+04	-1.654E+03	0.	-2.633E+05	2.125E+06	3.181E+04	1.976E+04	2.868E+03	0.	4.560E+05	3.142E+06	3.181E+04	1.976E+04	2.868E+03	0.	
RESULTANT	3.181E+04	1.976E+04	2.868E+03	0.	4.560E+05	3.142E+06	3.181E+04	1.976E+04	2.868E+03	0.	4.560E+05	3.142E+06											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (7)

P1(I)	5	V2(I)	4	V3(I)	5	T1(I)	0	M2(I)	5	M3(I)	4	P1(J)	5	V2(J)	4	V3(J)	5	T1(J)	0	M2(J)	5	M3(J)	4
MAXIMUM	9.510E+04	-1.644E+05	-1.219E+04	0.	1.756E+06	-2.368E+07	-9.510E+04	1.644E+05	1.219E+04	0.	1.756E+06	-2.368E+07	1.585E+05	1.707E+05	1.618E+04	0.	2.331E+06	2.458E+07	1.585E+05	1.707E+05	1.618E+04	0.	
RESULTANT	1.585E+05	1.707E+05	1.618E+04	0.	2.331E+06	2.458E+07	1.585E+05	1.707E+05	1.618E+04	0.	2.331E+06	2.458E+07											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (8)

P1(I)	5	V2(I)	4	V3(I)	5	T1(I)	0	M2(I)	5	M3(I)	4	P1(J)	5	V2(J)	4	V3(J)	5	T1(J)	0	M2(J)	5	M3(J)	4
MAXIMUM	6.489E+04	-1.019E+05	-1.933E+04	0.	2.145E+06	-1.131E+07	-6.489E+04	1.019E+05	1.933E+04	0.	2.145E+06	-1.131E+07	1.073E+05	1.089E+05	2.343E+04	0.	2.600E+06	1.209E+07	1.073E+05	1.089E+05	2.343E+04	0.	
RESULTANT	1.073E+05	1.089E+05	2.343E+04	0.	2.600E+06	1.209E+07	1.073E+05	1.089E+05	2.343E+04	0.	2.600E+06	1.209E+07											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (9)

P1(I)	5	V2(I)	4	V3(I)	5	T1(I)	0	M2(I)	5	M3(I)	4	P1(J)	5	V2(J)	4	V3(J)	5	T1(J)	0	M2(J)	5	M3(J)	4
MAXIMUM	4.364E+04	3.258E+04	-9.132E+03	0.	1.534E+06	5.473E+06	-4.364E+04	-3.258E+04	9.132E+03	0.	1.534E+06	5.473E+06	6.438E+04	5.575E+04	1.036E+04	0.	1.740E+06	9.366E+06	6.438E+04	5.575E+04	1.036E+04	0.	
RESULTANT	6.438E+04	5.575E+04	1.036E+04	0.	1.740E+06	9.366E+06	6.438E+04	5.575E+04	1.036E+04	0.	1.740E+06	9.366E+06											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (10)

P1(I)	5	V2(I)	4	V3(I)	5	T1(I)	0	M2(I)	5	M3(I)	4	P1(J)	5	V2(J)	4	V3(J)	5	T1(J)	0	M2(J)	5	M3(J)	4
MAXIMUM	1.704E+04	1.117E+05	-9.668E+03	0.	1.537E+06	1.777E+07	-1.704E+04	-1.117E+05	9.668E+03	0.	1.537E+06	1.777E+07	1.191E+05	1.072E+04	0.	1.704E+06	1.894E+07	2.574E+04	1.191E+05	1.072E+04	0.		
RESULTANT	2.574E+04	1.191E+05	1.072E+04	0.	1.704E+06	1.894E+07	2.574E+04	1.191E+05	1.072E+04	0.	1.704E+06	1.894E+07											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (11)

P1(I)	39	V2(I)	4	V3(I)	5	T1(I)	0	M2(I)	5	M3(I)	4	P1(J)	39	V2(J)	4	V3(J)	5	T1(J)	0	M2(J)	5	M3(J)	4
MAXIMUM	-5.917E+04	-2.183E+05	-1.149E+04	0.	1.654E+06	-3.144E+07	5.917E+04	2.183E+05	1.149E+04	0.	1.654E+06	-3.144E+07	1.332E+05	2.329E+05	1.528E+04	0.	2.201E+06	3.354E+07	1.332E+05	2.329E+05	1.528E+04	0.	
RESULTANT	1.332E+05	2.329E+05	1.528E+04	0.	2.201E+06	3.354E+07	1.332E+05	2.329E+05	1.528E+04	0.	2.201E+06	3.354E+07											

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (12)

MAXIMUM 5.506E+04 -1.105E+05 -1.860E+04 0. 2.065E+06 -1.226E+07 -5.506E+04 1.105E+05 1.860E+04 0. 2.065E+06 -1.226E+07
 RESULTANT 1.012E+05 1.143E+05 2.236E+04 0. 2.482E+06 1.269E+07 1.012E+05 1.143E+05 2.236E+04 0. 2.482E+06 1.269E+07

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (13)

MAXIMUM 3.769E+04 -4.531E+04 -9.470E+03 0. 1.591E+06 -7.612E+06 -3.769E+04 4.531E+04 9.470E+03 0. 1.591E+06 -7.612E+06
 RESULTANT 6.858E+04 7.255E+04 1.076E+04 0. 1.808E+06 1.219E+07 6.858E+04 7.255E+04 1.076E+04 0. 1.808E+06 1.219E+07

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (14)

MAXIMUM -1.140E+04 1.625E+05 -9.781E+03 0. 1.555E+06 2.583E+07 1.140E+04 -1.625E+05 9.781E+03 0. 1.555E+06 2.583E+07
 RESULTANT 2.466E+04 1.684E+05 1.088E+04 0. 1.730E+06 2.677E+07 2.466E+04 1.684E+05 1.088E+04 0. 1.730E+06 2.677E+07

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (15)

MAXIMUM -3.828E+04 -1.103E+05 -8.478E+03 0. 1.221E+06 -1.588E+07 3.828E+04 1.103E+05 8.478E+03 0. 1.221E+06 -1.588E+07
 RESULTANT 6.856E+04 1.577E+05 1.168E+04 0. 1.682E+06 2.270E+07 6.856E+04 1.577E+05 1.168E+04 0. 1.682E+06 2.270E+07

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (16)

MAXIMUM -3.011E+04 -6.215E+04 -1.629E+04 0. 1.808E+06 -6.899E+06 3.011E+04 6.215E+04 1.629E+04 0. 1.808E+06 -6.899E+06
 RESULTANT 5.813E+04 8.995E+04 1.959E+04 0. 2.175E+06 9.985E+06 5.813E+04 8.995E+04 1.959E+04 0. 2.175E+06 9.985E+06

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (17)

MAXIMUM -3.408E+04 -5.909E+04 -1.045E+04 0. 1.755E+06 -9.928E+06 3.408E+04 5.909E+04 1.045E+04 0. 1.755E+06 -9.928E+06
 RESULTANT 5.692E+04 7.903E+04 1.196E+04 0. 2.010E+06 1.328E+07 5.692E+04 7.903E+04 1.196E+04 0. 2.010E+06 1.328E+07

ELEMENT TYPE (B E A M) / / / ELEMENT NUMBER (18)

MAXIMUM -1.992E+04 8.306E+04 -1.017E+04 0. 1.617E+06 1.321E+07 1.992E+04 -8.306E+04 1.017E+04 0. 1.617E+06 1.321E+07
 RESULTANT 3.164E+04 1.232E+05 1.148E+04 0. 1.826E+06 1.960E+07 3.164E+04 1.232E+05 1.148E+04 0. 1.826E+06 1.960E+07

R. M. S. TIME LOG

COMPUTE MAXIMUM NODAL DISPLACEMENTS = 6.69
 OUTPUT MAXIMUM NODAL DISPLACEMENTS = 13.10
 COMPUTE ELEMENT STRESSES = 19.51

TOTAL FOR SPECTRUM ANALYSIS = 39.30
 OVERALL TIME LOG

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NODAL POINT INPUT	=	0.00
ELEMENT STIFFNESS FORMATION	=	0.00
NODAL LOAD INPUT	=	0.00
TOTAL STIFFNESS FORMATION	=	0.00
STATIC ANALYSIS	=	0.00
EIGENVALUE EXTRACTION	=	0.00
STRUCTURE PLOTTING	=	0.00
FORCED RESPONSE ANALYSIS	=	0.00
RESPONSE SPECTRUM ANALYSIS	=	42.00
STEP-BY-STEP INTEGRATION	=	0.00
FREQUENCY RESPONSE ANALYSIS	=	0.00
TOTAL SOLUTION TIME	=	42.00