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The objective of this report is to investigate the possible earthquake
response of a tripod-type ocean structure for the East Coast Air Combat
Maneuvering Range offshore Kitty Hawk, North Carolina.

The structure considered herein, a three-pile structure with (Con't)

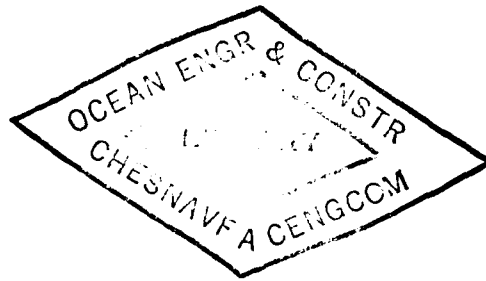
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NATURAL FREQUENCY & EARTHQUAKE ANALYSIS
EAST COAST AIR COMBAT MANEUVERING RANGE
OFFSHORE KITTY HAWK, NORTH CAROLINA
CONTRACT NO. N62477-76-C-0179
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Report No. 27-771-99

Prepared for

NAVAL FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
CHESAPEAKE DIVISION

By

CREST ENGINEERING, INC.
TULSA, OKLAHOMA

September 1976

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SECTION 1
INTRODUCTION

1.1 INTRODUCTION

*The objective of this report is to investigate the possible earthquake response of a tripod-type ocean structure for the East Coast Air Combat Maneuvering Range offshore Kitty Hawk, North Carolina.

The structure considered herein, a three-pile structure with equilaterally spaced jacket legs, is located in a water depth (MLW) of 105 feet. The anchoring of the structure is achieved by driving piles through the jacket legs into the seabed. A superstructure, consisting of an upper deck, an equipment deck, columns and stairs, is attached to the piling above the jacket.

1.2 ENGINEERING DATA

Engineering data which serve as the basis for the earthquake analysis are listed as follows:

A. Environmental Conditions

MLW Depth	105 feet
Earthquake Zoning	Zone 1
Effective Horizontal Ground Acceleration	G=0.05*

(where G=Ratio of effective horizontal acceleration to gravitational acceleration)

B. Live Loads on Structure

Equipment Deck	150 psf
Upper Deck	100 psf

C. Major Structural Dimensions

True Batter of Piling & Jacket Leg	1:6
Width at Jacket Base (Mudline)	64 feet
Width at Jacket Top (Work Point Level)	29 feet
Pile Out Side Diameter	42 inches
Jacket Leg Out Side Diameter	46 inches
Upper Deck Area	362.5 sq. ft.
Equipment Deck Area	591.5 sq. ft.
Height of Structure (From mudline to upper deck)	180 feet

*See Reference 5

1.3 PROCEDURES OF ANALYSIS

The analytical procedures presented in this report consist of two major steps: (1) Natural Frequency Analysis and (2) Space Frame Analysis due to Earthquake Loads. ICES STRUDL-II computer program was employed to perform the analyses in both steps.

Natural Frequency Analysis:

A sequence of data preparation is presented in Section 2 for the application of ICES STRUDL-II dynamic analysis capabilities. Brief descriptions of the data processing procedures are summarized as follows:

- (1) Code the structural joint coordinates and member incidences;
- (2) Calculate the member density which consists of the structural member mass, the mass of the entrapped water and the virtual mass;
- (3) Calculate joint loads (by STRUDL-II program) and rearrange new joint order list to produce improved banding.
- (4) Compute an approximate natural frequency estimate by means of Rayleigh's quotient.

Space Frame Analysis due to Earthquake Loads:

Section 3 presents the calculation of base shear due to earthquake and the distribution of the base shear

to each loading joint. The distributed joint loads are then treated as the structural loadings which in turn are applied to the idealized space frame structure. The space frame analysis then follows.

1.4 SUMMARY

Some significant results from the analyses are summarized as follows:

Vibrating in the X-Direction:

Natural Frequency	1.49 Hz.
Period	0.67 sec.
Maximum Base Shear	60.67 Kips

Vibrating in the Y-Direction:

Natural Frequency	1.45 Hz.
Period	0.69 sec.
Maximum Base Shear	60.76 Kips

1.5 PERSONNEL RESUMES

The personnel whose resumes follow were actively engaged in this project.

CREST OFFSHORE, INC.

Chingmiin (Charlie) Chern



Senior Engineer

<u>University</u>	<u>Degree</u>	<u>Year</u>
National Taiwan University	Bachelor of Science Civil Engineering	1961
North Dakota State University	Master of Science Civil Engineering	1966
Lehigh University	Ph. D. Civil Engineering	1969
Tulsa University	Graduate Study in Business Administration- Management	1974

Societies, Licenses,
and
Other Activities:

Member American Society of Civil Engineers
Member *International Association of Structural and
Bridge Engineers*
Member American Society of Engineering Education
Registered Professional Engineer in Oklahoma

Experience:

1973 to Present

Senior
Civil
Engineer

Crest Offshore, Inc.

Engaged in the feasibility studies, structural analysis and design of offshore structures, equipment supports and other various types of petroleum related civil engineering works. Assignments include:

- ... Evaluation of engineering designs from other agencies.
- ... Analysis and design of offshore structures for oil industry.
- ... Analysis and design of supports and foundations for onshore refinery facilities.
- ... Development of a sequence of computer programs for the analysis of offshore structures.

SECTION 2
NATURAL FREQUENCY ANALYSIS

2.1 INTRODUCTION

The natural frequencies calculated hereinafter are for the tripod-type ocean structure in the water depth (MLW) 105 feet. The dynamic analysis capabilities of ICES STRUDL-II were employed to perform the computation of the lumped joint loads and hence the natural frequencies of the structure in both X-and Y-direction.

The mass of the structure consists of the following three components:

- (1) Mass of structural members;
- (2) Mass of entrapped water; and
- (3) Virtual mass of water.

Since the frequency is computed by means of Rayleigh's approximation, no damping coefficient for the vibrating system has been specified in the calculation.

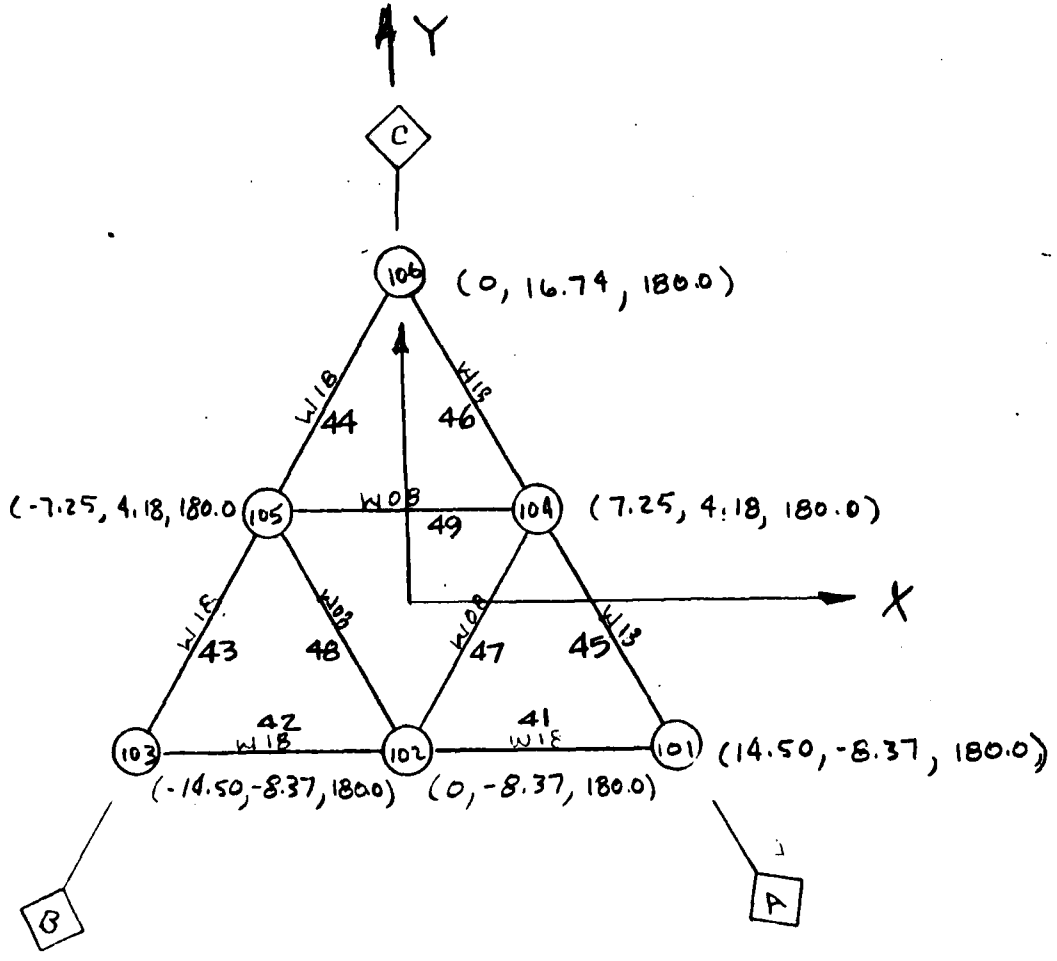
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Sheet 2.02 of 33

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 6-22-76 Job No. 27-771-99 Calculation Natural Frequency Calculation

2.2 JOINT COORDINATES AND MEMBER INCIDENCES

By C. Cheyn Client U. S. NAVY Subject Natural Frequency & Earthquake
Date 6-22-76 Job No. 27-771-99 Calculation Natural Frequency Calculation



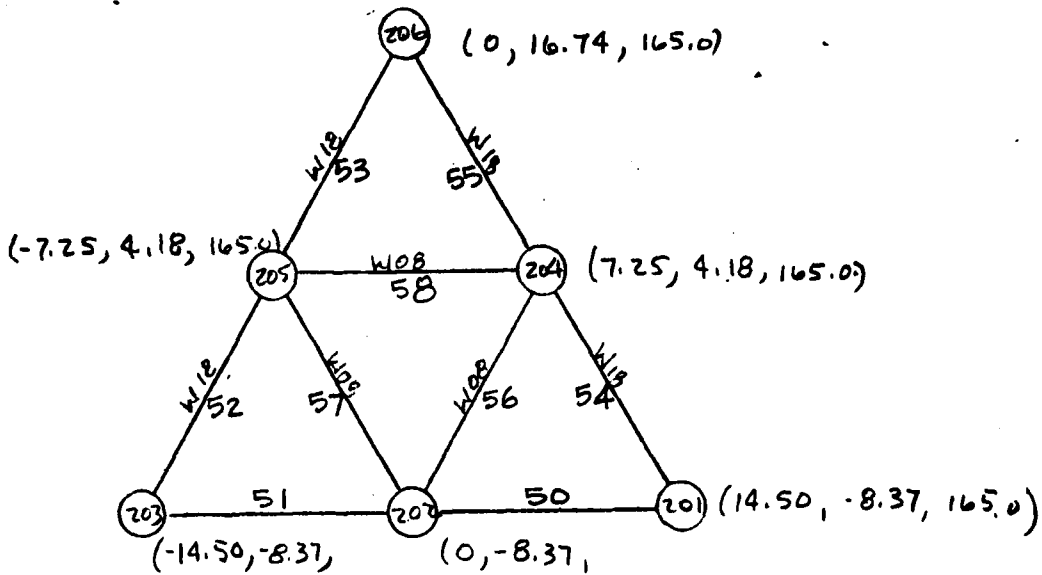
Plan at Elev. (+) 75'-0

Upper Deck

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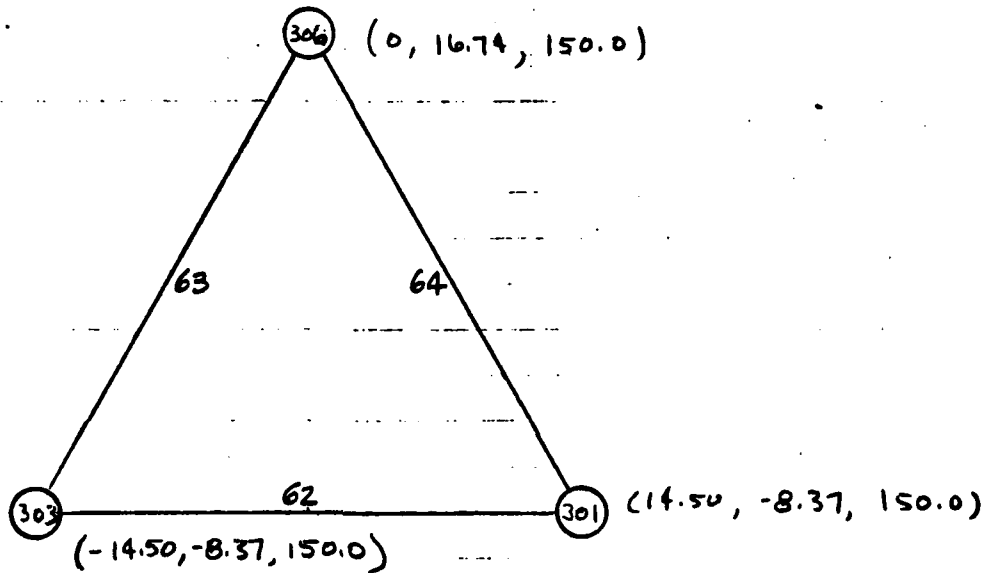
Plan at Elev. (+) 60'-0

Equipment Deck

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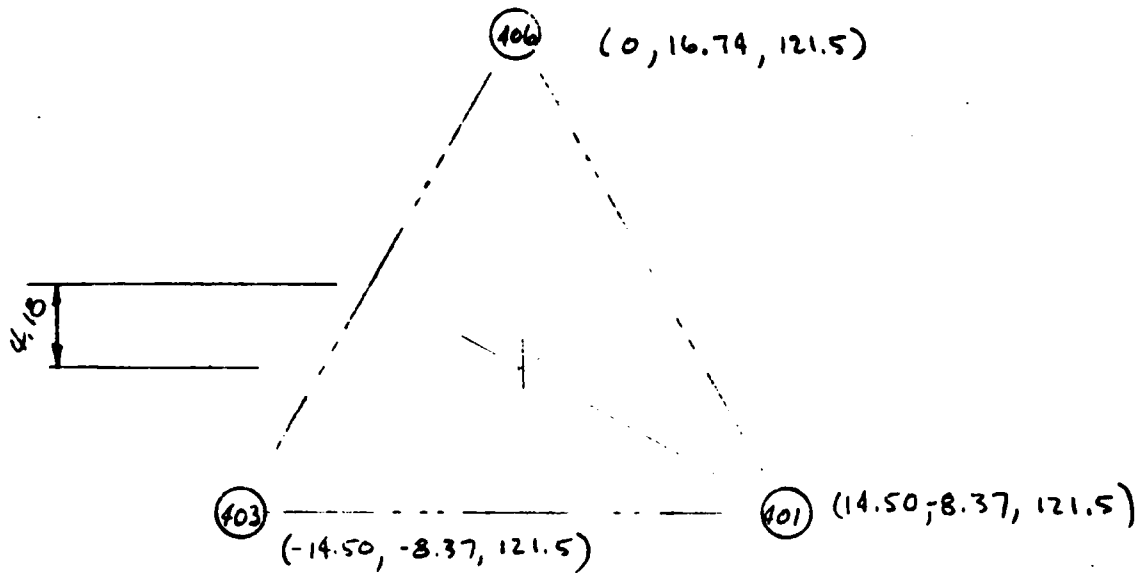
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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 6-22-76 Job No. 27-77L-99 Calculation Natural Frequency Calculation



Plan at Elev. (+) 45'-0

By C. Cherr Client U.S. Navy Subject Natural Frequency & Earthquake
Date 6-23-76 Job No. 27-77L-99 Calculation Natural Frequency Calculation



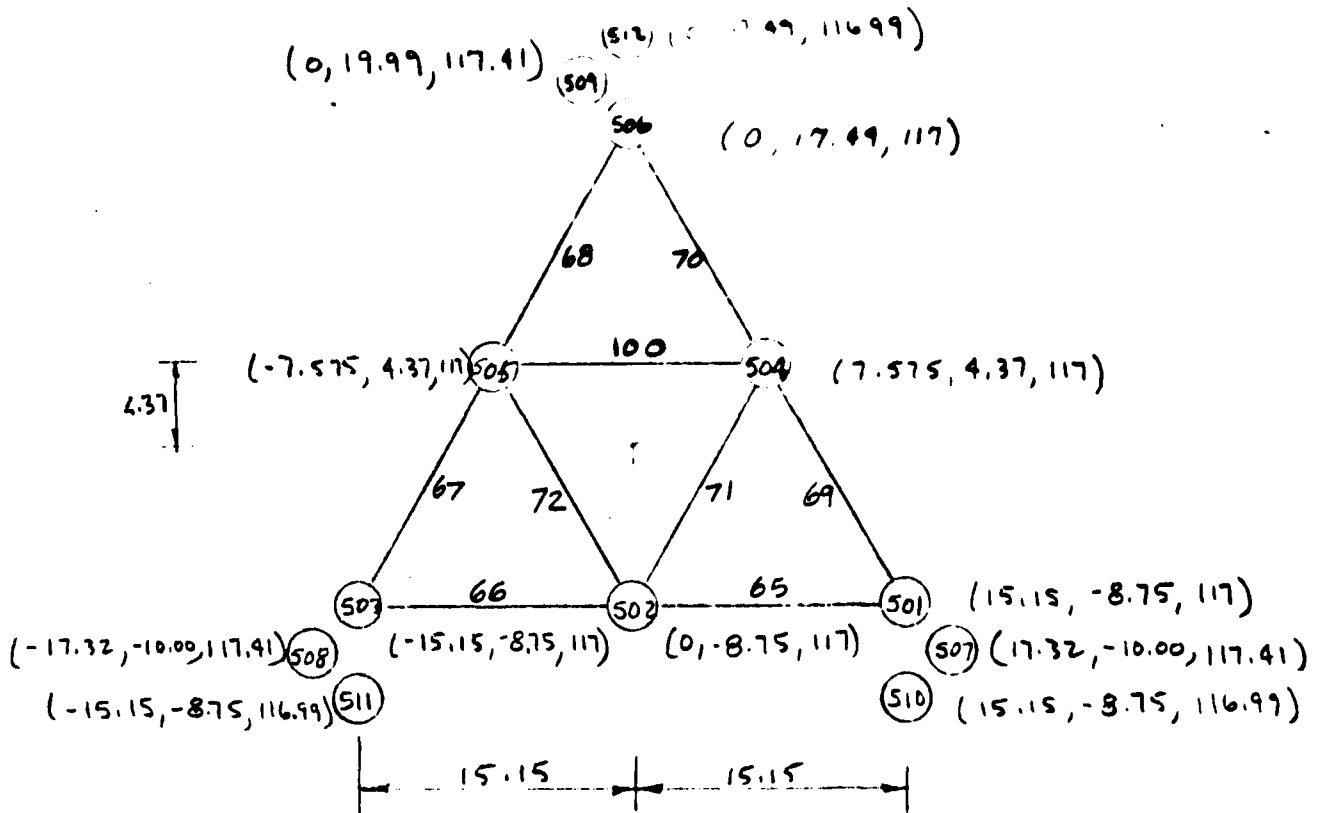
Plan at Elev. (+) 16'-6

Work Point

Mr. C. Chern... U.S. NAVY

Natural Frequency & Earthquake Calculation
Natural Frequency Calculation

Date 6-2-76 Job No. 27-771-99



Plan of Floor (+) 12'-0

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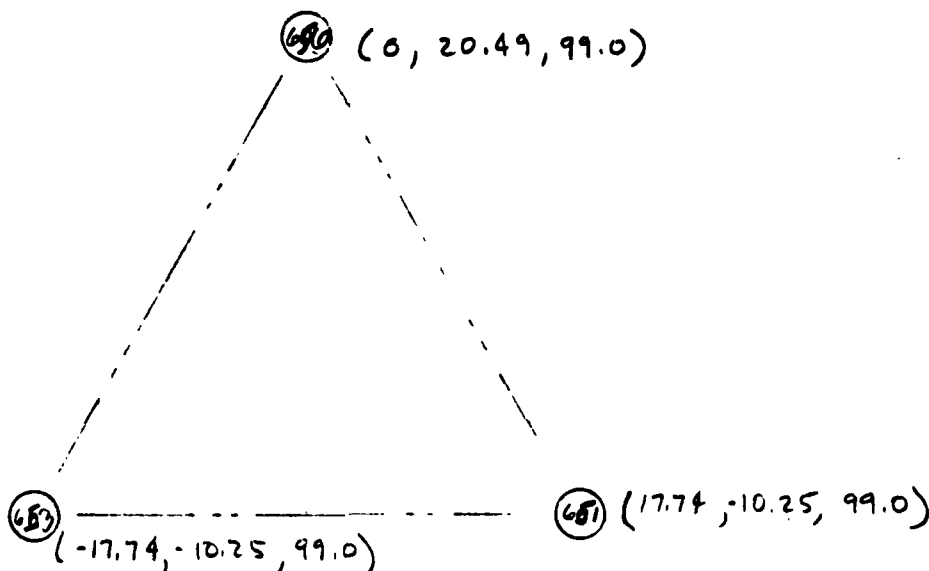
Sheet 208 of 33

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Subject Natural Frequency & Earthquake

Date 6-22-76 Job No. 27-771-99

Calculation Natural Frequency Calculation

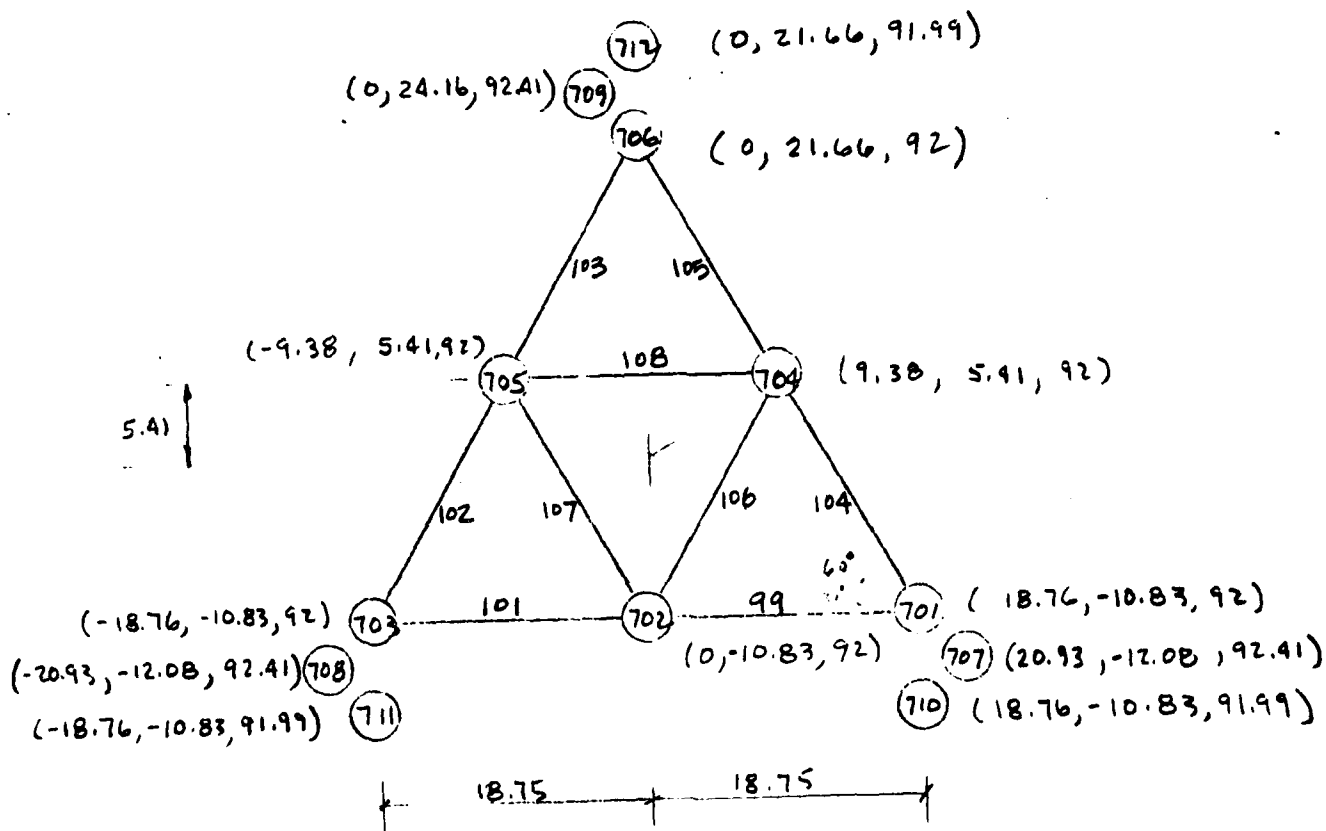


Plan at Elev. (68) 6'-0

C. Chern client U.S. NAVY

Natural Frequency & Earthquake Calculation

Date 6-22-76 Job No 27-771-99



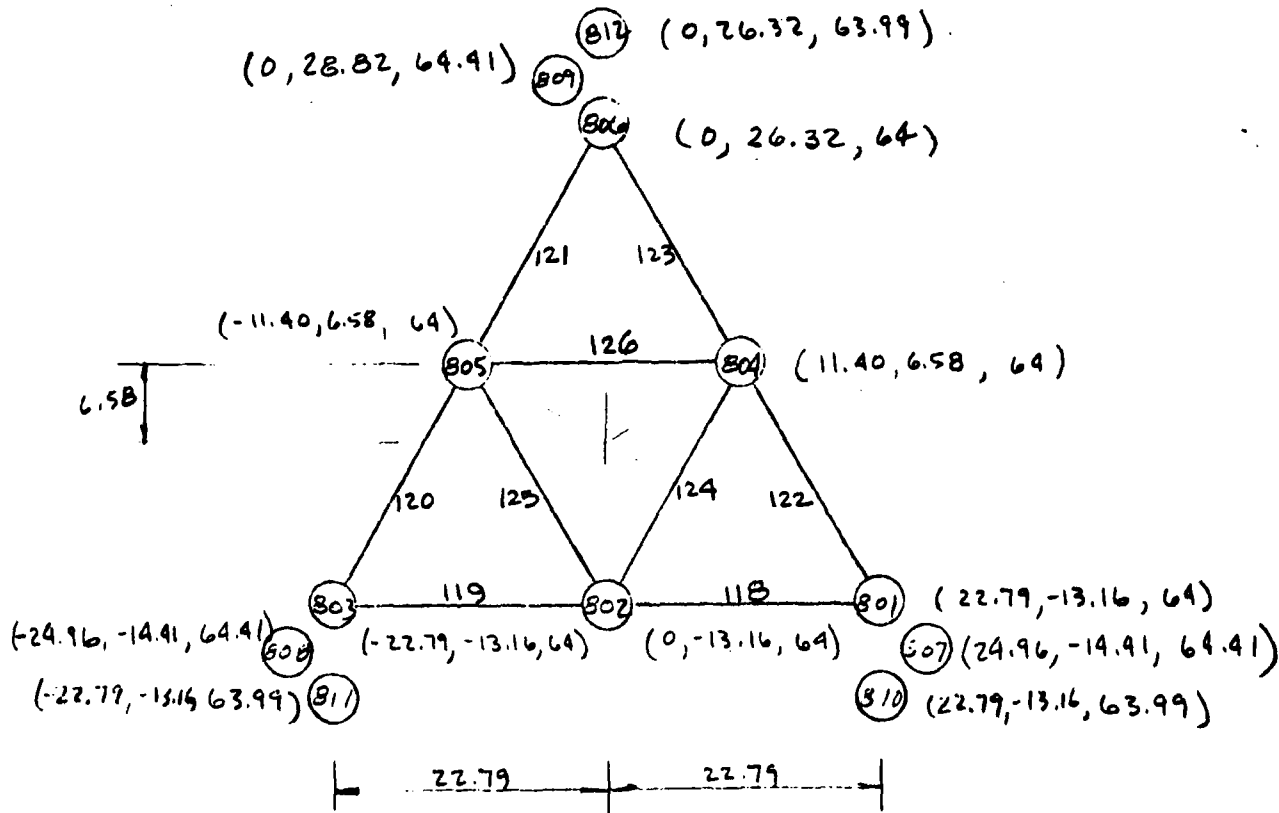
Span of 13'-0"

by C. Chern client U.S. NAVY

Subject: Natural Frequency & Earthquake

Date: 6-22-76 Job No. 27-77L-99

Calculation: Natural Frequency Calculation



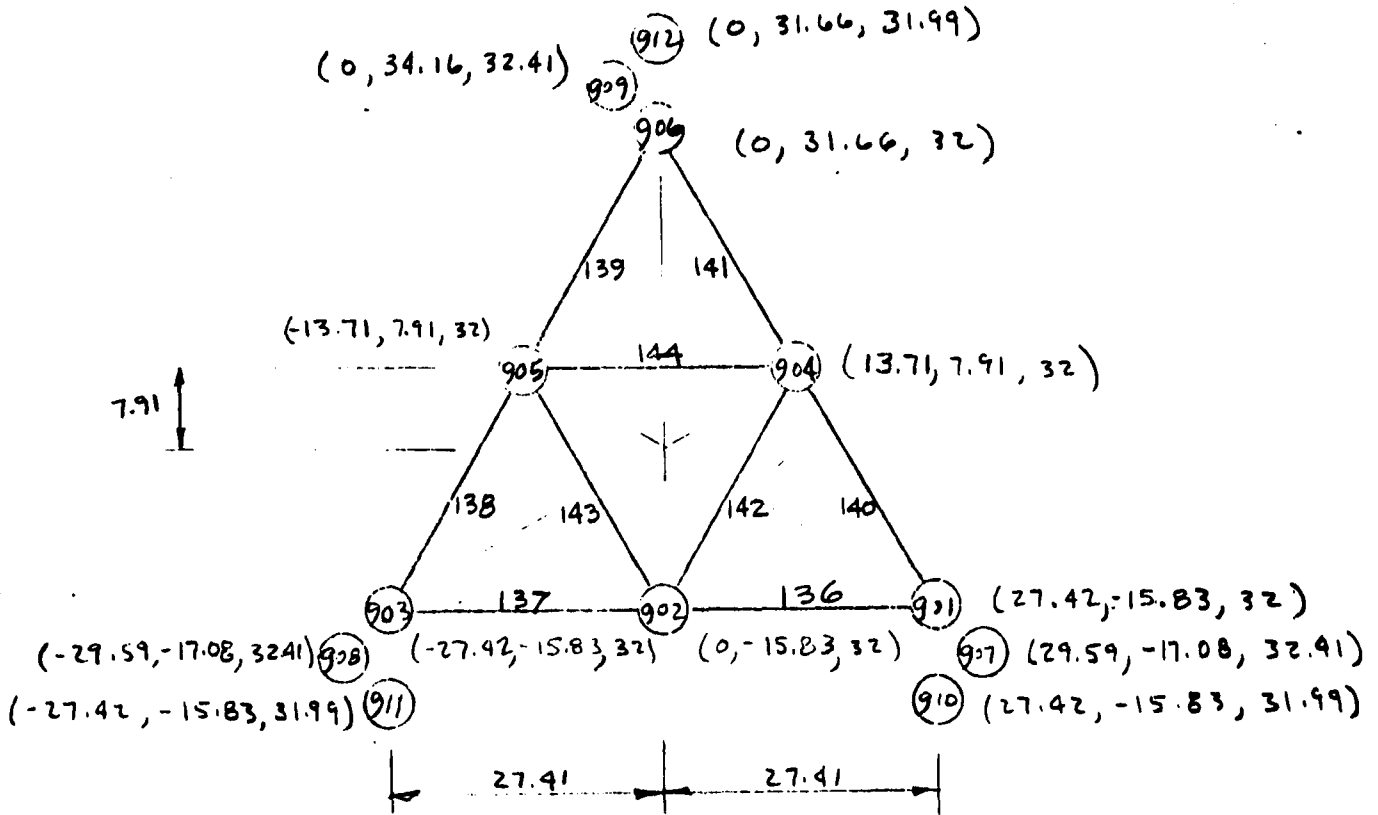
Plan at Elev. (±) 41'-0

By C. Chern U.S. NAVY

Subject: Natural Frequency & Earthquake

Date 6-22-76 Job No. 27-771-99

Calculation: Natural Frequency Calculation



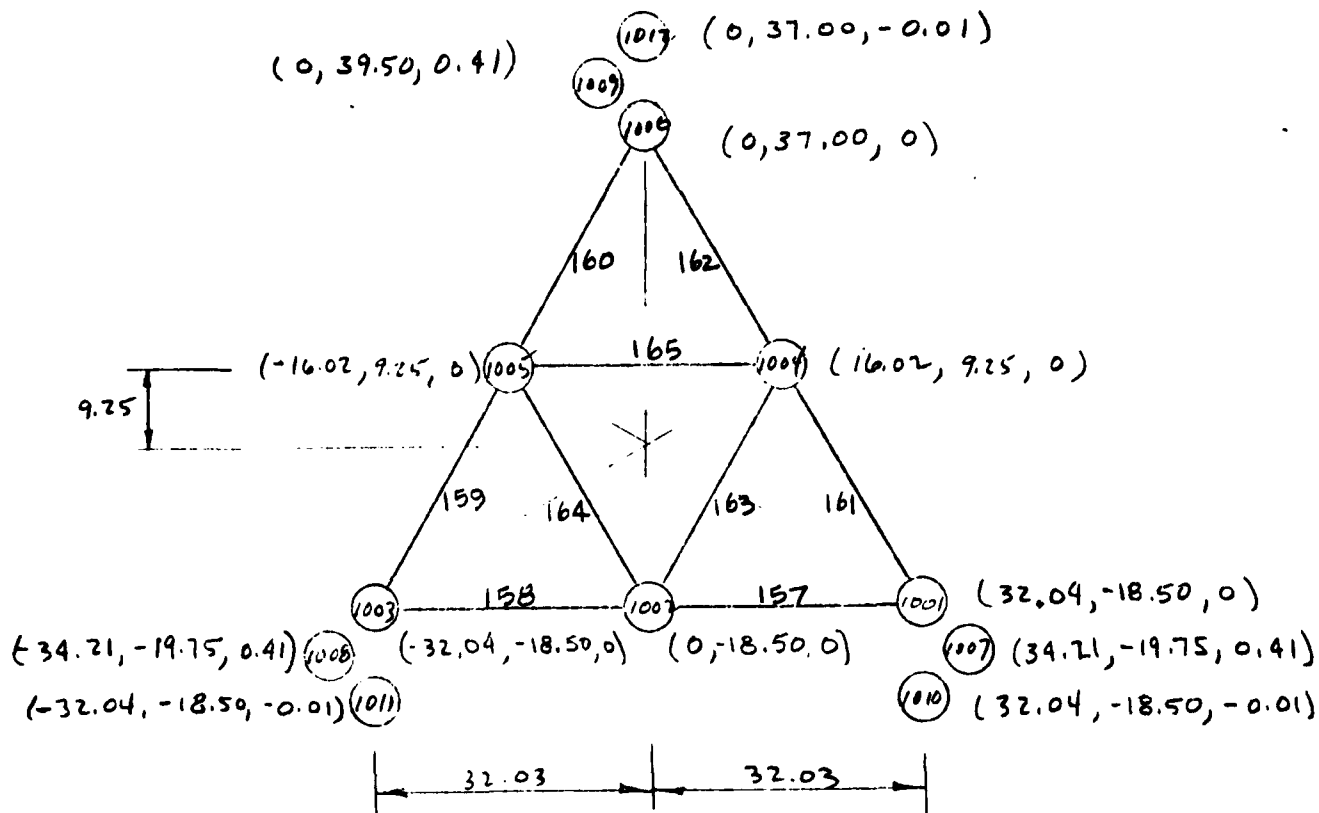
Plan of Floor @ 73'-0

C. Chern U.S. NAVY

Subject: Natural Frequency & Earthquake

Date 6-22-76 Job No. 27-771-99

Calculation: Natural Frequency Analysis

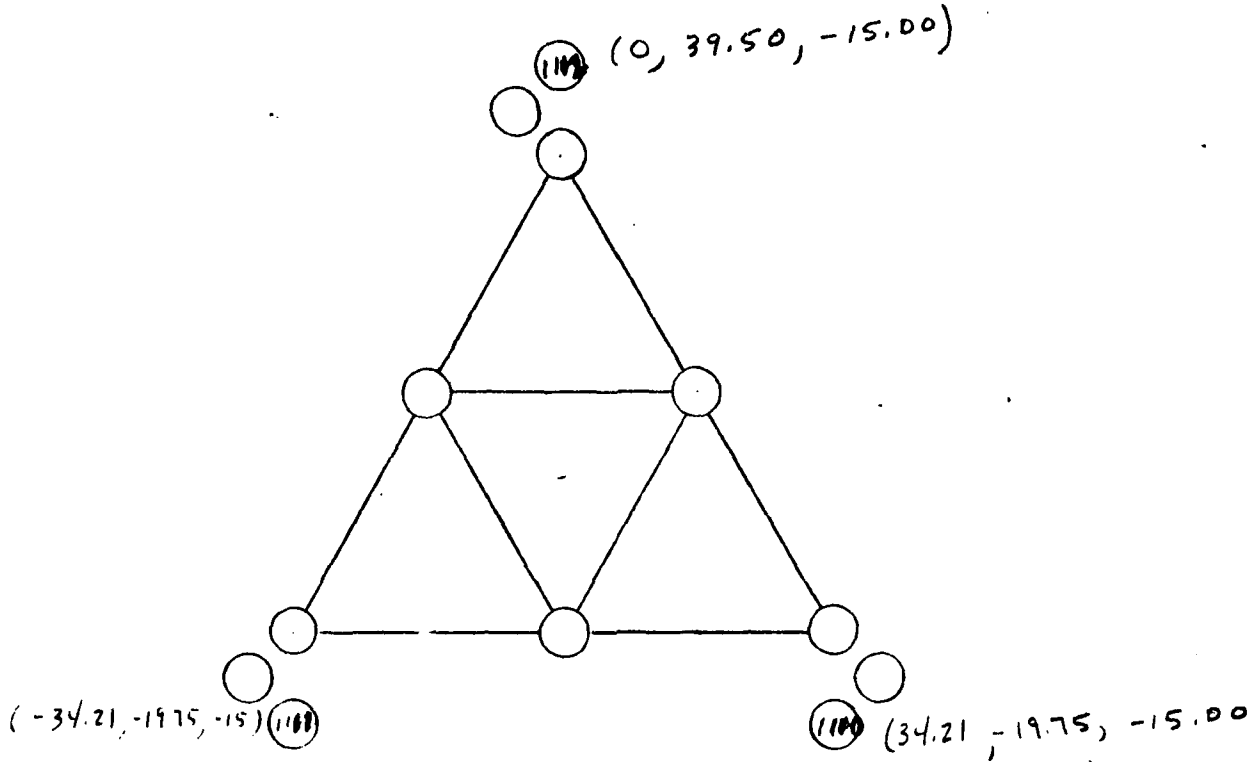


File of file () 105'-0

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 6-22-76 Job No. 27-77L-99 Calculation Natural Frequency Analysis



Plan at Elev. (+) 120'-0

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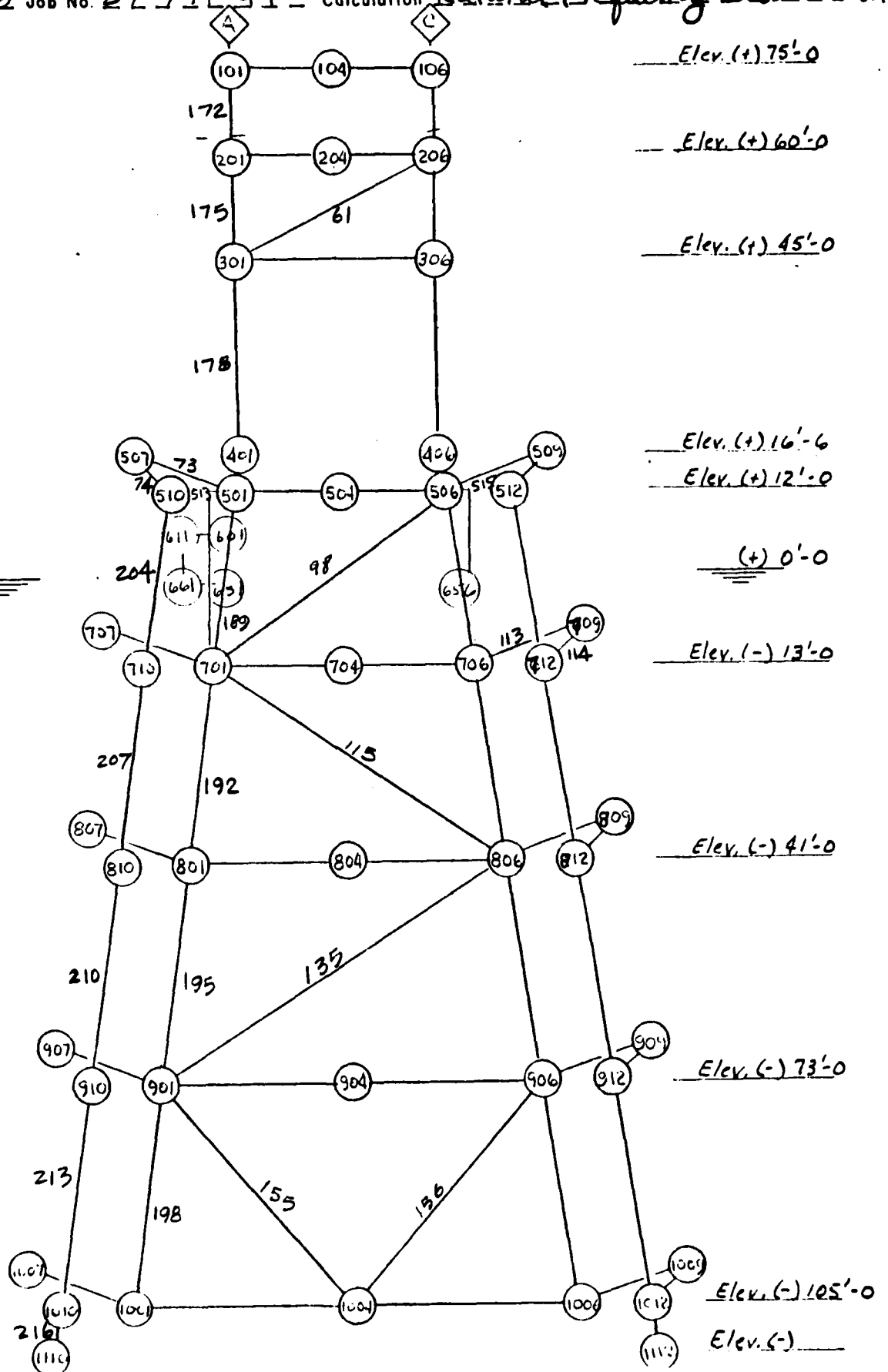
Sheet 214 of 33

By C. Chern Client U.S. NAVY

Subject Natural Frequency & Earthquake

Date 6-22-76 Job No. 27-771-99

Calculation Natural Frequency Calculation



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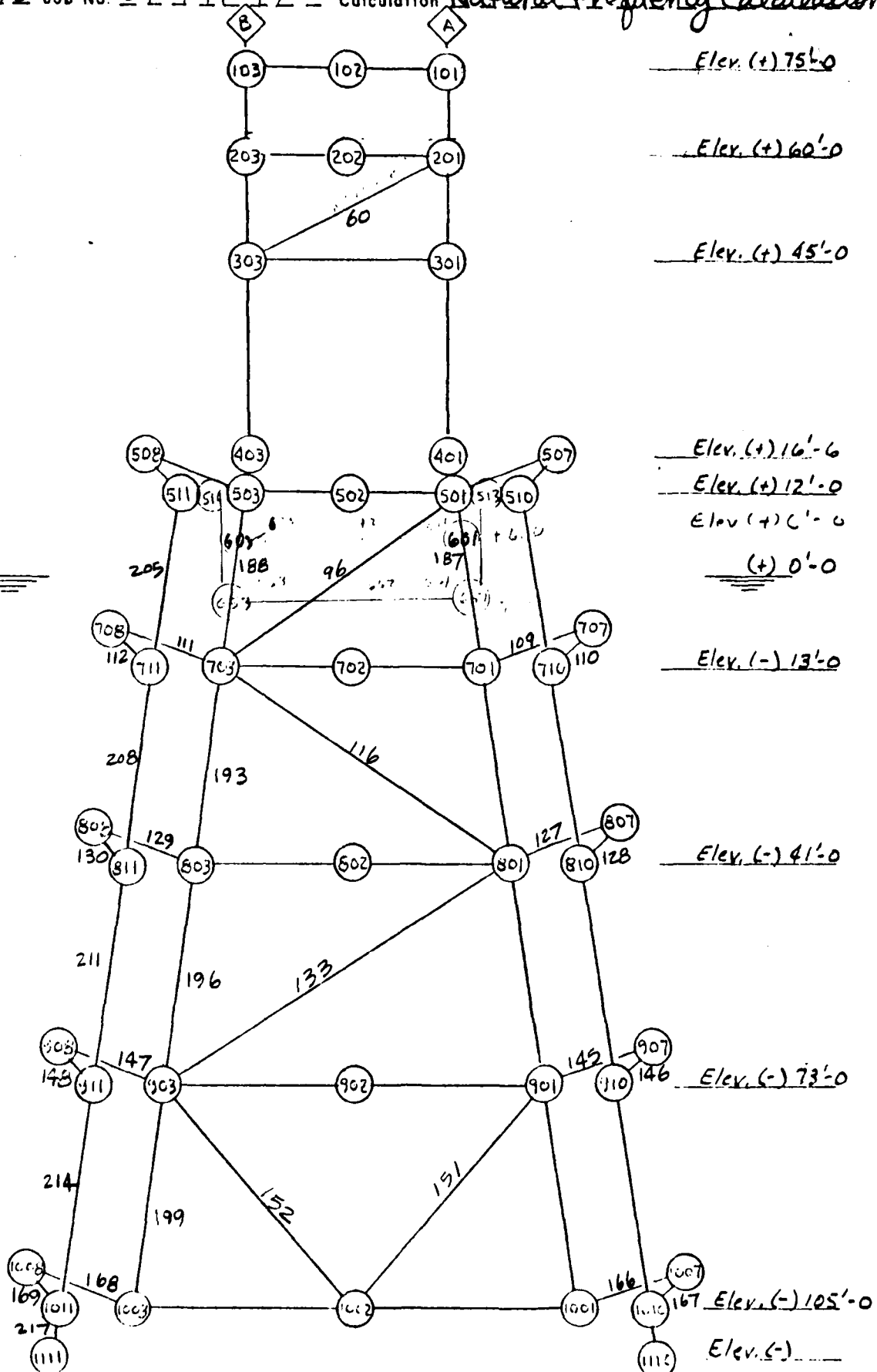
Sheet 2-15 of 3²

By C. Chern Client U.S. Navy

Subject Natural Frequency & Earthquake

Date 6-22-76 Job No. 27-771-99

Calculation Natural Frequency Calculation



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By C. Chern Client U.S. NAVY

Subject Natural Frequency & Earthquake

Date 6-22-76 Job No. 27-77L-99

Calculation Natural Frequency Calculation

2.3 MEMBER SIZES

MEMBER SIZES	MEMBER NUMBER
W18x50	41 TΦ 46 , 50 TΦ 55
W8x24	47 TΦ 49 , 56 TΦ 58
12 ³ / ₄ "Φ x .5" WT	59 TΦ 64, 71, 72, 79 TΦ 81, 99 TΦ 105
12 ³ / ₄ "Φ x .375" WT	106 TΦ 108
14"Φ x .375" WT	124 TΦ 126, 142 TΦ 144, 163 TΦ 165
8 ⁵ / ₈ "Φ x .5" WT	89 TΦ 92
10 ³ / ₄ "Φ x .844" WT	85 TΦ 88, 93 TΦ 95
16"Φ x .5" WT	65 TΦ 70, 151 TΦ 156
18"Φ x .5" WT	118 TΦ 123, 136 TΦ 141, 157 TΦ 162, 82 TΦ 84
20"Φ x .625" WT	96 TΦ 98, 115 TΦ 117, 133 TΦ 135
30"Φ x 1.0" WT	175 TΦ 180
42"Φ x 1.75" WT	201 TΦ 206, 213 TΦ 215
42"Φ x 2.0" WT	207 TΦ 212
46"Φ x 1.0" WT	181 TΦ 191
46"Φ x .5" WT	192 TΦ 200

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Sheet 2-18 of 33

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 6-23-76 Job No. 27-771-99 Calculation Natural Frequency Calculation

SHIM PLATES (WISHBONE MEMBERS)

5" x 10" ϕ

DUMY PILES

36" ϕ x 1.25" WT

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Sheet 3-12 of 33

By C. Chern Client U.S. NAVY

Subject Natural Frequency & Earthquake

Date 6-21-76 Job No. 27-771-99

Calculation Natural Frequency Calculation

2.4 MEMBER DENSITY

1. SUPERSTRUCTURAL MEMBERS

DENSITY OF ALL MEMBERS = 0.284 #/cu.in. (Steel Wt. Only)

2. WISHBONE MEMBERS ** Fictitious members, no member density is required in the analysis. **

ACTUAL SHIM SIZE = 10" x 5" x 1" (each).

FICTITIOUS WISHBONE MEMBER = 10" x 5" x 30.5"

Jt. 701 To Jt. 707

$$\begin{aligned} \text{Length} &= \sqrt{(20.93 - 18.76)^2 + (-12.08 + 10.83)^2 + (92.41 - 92.0)^2} \\ &= \sqrt{4.71 + 1.56 + 0.17} \\ &= 2.54 \text{ FT} \\ &= 30.5 \text{ in.} \end{aligned}$$

DENSITY OF WISHBONE MEMBERS = $\frac{0.284 \times 2}{30.5} = 0.019$ #/cu.in.
 (Both sides of JKT Legs)

3. PILINGS

$$\text{DENSITY OF PILING} = \frac{\text{STEEL WT.} + 1.0 \times (\text{ENTRAPPED WATER WT.})}{\text{STEEL CROSS-SECTIONAL AREA}}$$

42" Ø.D. x 1.75" WT

$$\gamma_{1.75} = \frac{(752.28 + 504.47)}{221.29} = 0.473 \text{ #/cu.in.}$$

By C. Chem Client U.S. NAVY Subject Natural Frequency & Earthquake
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42" ϕ .D. x 2.00" WT

$$\gamma_{2.0} = \frac{(854.41 + 491.45) / 12}{251.33} = 0.446 \text{ \#/cu.in.}$$

4. JACKET LEGS

$$\text{DENSITY OF JACKET LEGS} = \frac{\text{STEEL WT} + 1.0 \times (\text{VIRTUAL MASS WT})}{\text{STEEL CROSS-SECTIONAL AREA}}$$

46" ϕ .D. x 1.00" WT

$$\gamma_{1.0} = \frac{(480.61 + 658.90) / 12}{141.37} = 0.672 \text{ \#/cu.in.}$$

46" ϕ .D. x .50" WT

$$\gamma_{0.5} = \frac{(242.97 + 689.19) / 12}{71.47} = 1.087 \text{ \#/cu.in.}$$

5. BRACINGS

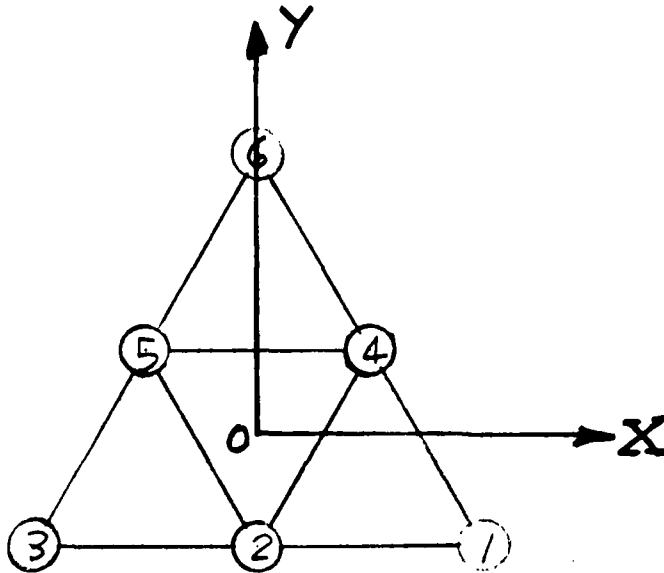
$$\text{DENSITY OF BRACING} = \frac{\text{STEEL WT} + 0.6 \times (\text{VIRTUAL MASS WT}) \times \frac{L_p}{L}}{\text{STEEL CROSS-SECTIONAL AREA}}$$

L_p = PROTECTED MEMBER LENGTH IN THE DIRECTION PERPENDICULAR TO VIBRATION

L = MEMBER LENGTH

By C. Chera Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 6-21-76 Job No. 27-771-99 Calculation Natural Frequency Calculation

(5-a) HORIZONTAL BRACINGS



(i) VIBRATION IN THE DIRECTION OF Y

MEMBER 1-2, 2-3, 4-5 ; $L_p/L = 1.0$

OTHERS $L_p/L = \cos 60^\circ = 0.5$

ELEVATION (+) 12'-0" Considered as Max. Water level for dynamic analysis

MEMBER 65, 66 (16" ϕ .D x .5" WT)

$$\gamma = \frac{(82.77 + 0.6 \times 76.58) / 12}{24.35} = 0.441 \text{ \#/cu.in.}$$

MEMBER 100 (12 3/4" ϕ .D x .5" WT)

$$\gamma = \frac{(65.42 + 0.6 \times 47) / 12}{19.24} = 0.405 \text{ \#/cu.in.}$$

By C. Cheryl Client U.S. NAVY Subject Natural Frequency & Earthquake
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MEMBER 67, 68, 69, 70 (16" ϕ .D. x .5" WT)

$$\gamma = \frac{(82.77 + 0.6 \times 76.58 \times 0.5)}{24.35} = 0.362 \text{ \#/cu. in.}$$

MEMBER 71, 72 (12 $\frac{3}{4}$ " ϕ .D. x .5" WT)

$$\gamma = \frac{(65.42 + 0.6 \times 47 \times .5)}{19.24} = 0.344 \text{ \#/cu. in.}$$

ELEVATION (-) 13'-0"

MEMBER 99, 101 (12 $\frac{3}{4}$ " ϕ .D. x .5" WT)

$$\gamma = \frac{(65.42 + 0.6 \times 47)}{19.24} = 0.405 \text{ \#/cu. in.}$$

MEMBER 108 (12 $\frac{3}{4}$ " ϕ .D. x .375" WT)

$$\gamma = \frac{(49.56 + 0.6 \times 49)}{14.58} = 0.451 \text{ \#/cu. in.}$$

MEMBER 102, 103, 104, 105 (12 $\frac{3}{4}$ " ϕ .D. x .5" WT)

$$\gamma = \frac{(65.42 + 0.6 \times 47 \times .5)}{19.24} = 0.344 \text{ \#/cu. in.}$$

MEMBER 106, 107 (12 $\frac{3}{4}$ " ϕ .D. x .375" WT)

$$\gamma = \frac{(49.56 + 0.6 \times 49 \times .5)}{14.58} = 0.367 \text{ \#/cu. in.}$$

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 6-21-76 Job No. 27-771-99 Calculation Natural Frequency Calculation

ELEVATION (-) 41'-0"

MEMBER 118, 119 (18" Ø.D. x .5" WT)

$$\uparrow = \frac{(93.45 + 0.6 \times 98.36)}{27.49} = 0.462 \text{ \#/cu. in.}$$

MEMBER 126 (14" Ø.D. x .375" WT)

$$\uparrow = \frac{(54.57 + 0.6 \times 59.75)}{16.05} = 0.469 \text{ \#/cu. in.}$$

MEMBER 120, 121, 122, 123 (18" Ø.D. x .5" WT)

$$\uparrow = \frac{(93.45 + 0.6 \times 98.36 \times .5)}{27.49} = 0.373 \text{ \#/cu. in.}$$

MEMBER 124, 125 (14" Ø.D. x .375" WT)

$$\uparrow = \frac{(54.57 + 0.6 \times 59.75 \times .5)}{16.05} = 0.376 \text{ \#/cu. in.}$$

ELEVATION (-) 73'-0"

MEMBER 136, 137 (18" Ø.D. x .5" WT)

$$\uparrow = 0.462 \text{ \#/cu. in.}$$

MEMBER 144 (14" Ø.D. x .375" WT)

$$\uparrow = 0.469 \text{ \#/cu. in.}$$

MEMBER 138, 139, 140, 141 (18" Ø.D. x .5" WT)

$$\uparrow = 0.373 \text{ \#/cu. in.}$$

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 6-21-76 Job No. 22-721-99 Calculation Natural Frequency Calculation

MEMBER 142, 143 (14" ϕ . D. x .375" WT)

$$\gamma = 0.376 \text{ \#/cu.in.}$$

ELEVATION (-) 105'-0"

MEMBER 157, 158 (18" ϕ . D. x .5" WT)

$$\gamma = 0.462 \text{ \#/cu.in.}$$

MEMBER 165 (14" ϕ . D. x .375" WT)

$$\gamma = 0.469 \text{ \#/cu.in.}$$

MEMBER 159, 160, 161, 162 (18" ϕ . D. x .5" WT)

$$\gamma = 0.373 \text{ \#/cu.in.}$$

MEMBER 163, 164 (14" ϕ . D. x .375" WT)

$$\gamma = 0.376 \text{ \#/cu.in.}$$

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
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(ii) VIBRATION IN THE DIRECTION OF X

MEMBER 1-2, 2-3, 4-5 $L_p/L = 0.0$

OTHERS $L_p/L = \cos 30^\circ = 0.866$

ELEVATION (+) 12'-0"

MEMBER 65, 66, 100

$$\gamma = 0.284 \text{ \#/cu.in.}$$

MEMBER 67, 68, 69, 70 (16" ϕ . D. x .5" WT)

$$\gamma = \frac{(82.77 + 0.6 \times 76.58 \times 0.866) / 12}{24.35} = 0.419 \text{ \#/cu.in.}$$

MEMBER 71, 72

$$\gamma = \frac{(65.42 + 0.6 \times 47 \times 0.866) / 12}{19.24} = 0.389 \text{ \#/cu.in.}$$

ELEVATION (-) 13'-0"

MEMBER 99, 101, 108

$$\gamma = 0.284 \text{ \#/cu.in.}$$

MEMBER 102, 103, 104, 105

$$\gamma = \frac{(65.42 + 0.6 \times 47 \times 0.866) / 12}{19.24} = 0.389 \text{ \#/cu.in.}$$

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
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MEMBER 106, 107

$$\gamma = \frac{(49.56 + 0.6 \times 49 \times 0.866) / 12}{14.58} = 0.429 \text{ \#/cu. in.}$$

ELEVATION (-) 41'-0"

MEMBER 118, 119, 126

$$\gamma = 0.284 \text{ \#/cu. in.}$$

MEMBER 120, 121, 122, 123

$$\gamma = \frac{(93.45 + 0.6 \times 98.36 \times 0.866) / 12}{27.49} = 0.440 \text{ \#/cu. in.}$$

MEMBER 124, 125

$$\gamma = \frac{(54.57 + 0.6 \times 59.75 \times 0.866) / 12}{16.05} = 0.445 \text{ \#/cu. in.}$$

ELEVATION (-) 73'-0"

MEMBER 136, 137, 144

$$\gamma = 0.284 \text{ \#/cu. in.}$$

MEMBER 138, 139, 140, 141

$$\gamma = 0.440 \text{ \#/cu. in.}$$

MEMBER 142, 143

$$\gamma = 0.445 \text{ \#/cu. in.}$$

CREST OFFSHORE, INC.

Sheet 2 of 33

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 6-21-76 Job No. 27-771-99 Calculation Natural Frequency Calculation

ELEVATION (-) 105'-0"

MEMBER 157, 158, 165

$$\gamma = 0.284 \text{ \#/cu.in.}$$

MEMBER 159, 160, 161, 162

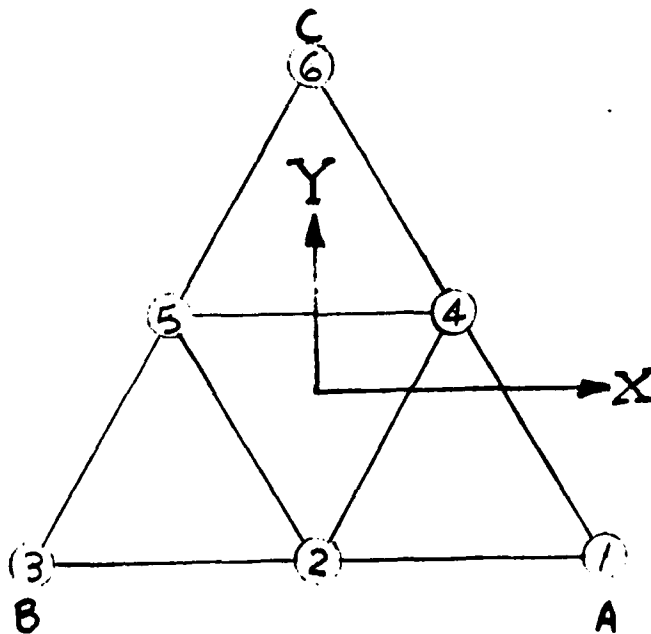
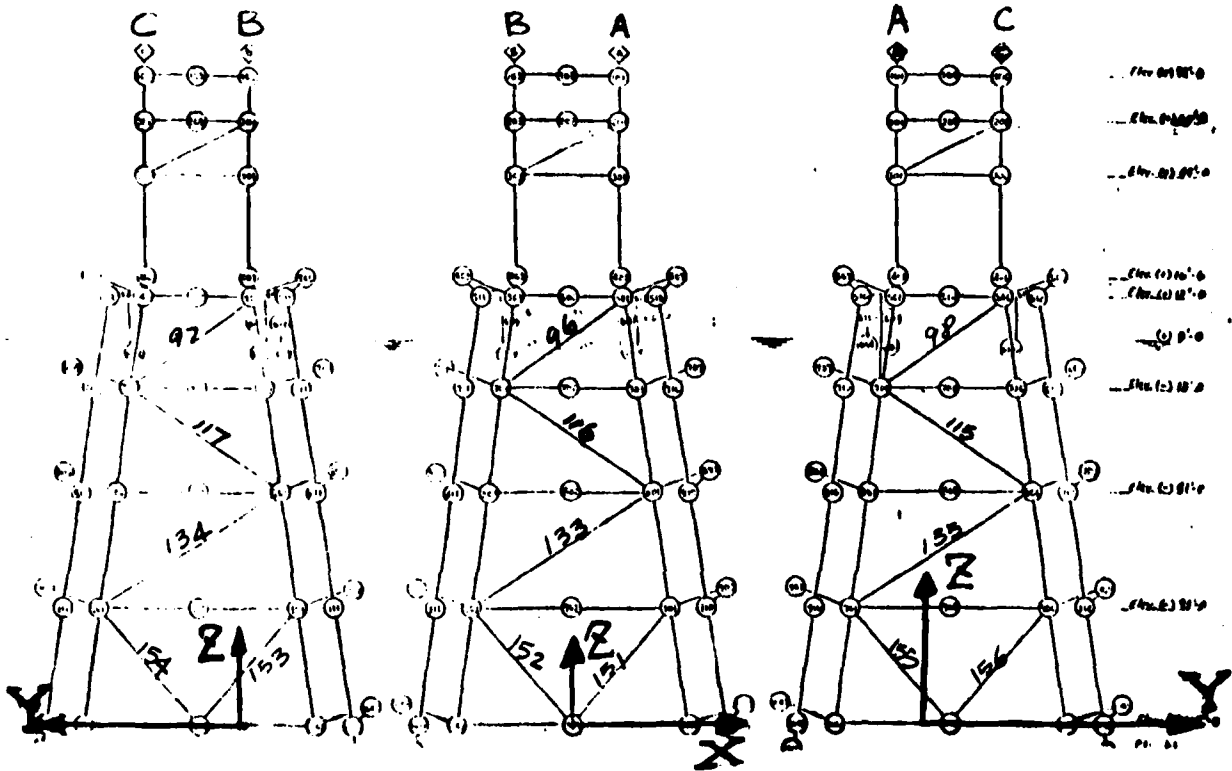
$$\gamma = 0.440 \text{ \#/cu.in.}$$

MEMBER 163, 164

$$\gamma = 0.445 \text{ \#/cu.in.}$$

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 6-21-76 Job No. 27-771-99 Calculation Natural Frequency Calculation

(5-b) VERTICAL BRACINGS



By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 6-21-76 Job No. 27-771-99 Calculation Natural Frequency Calculation

(i) VIBRATION IN THE DIRECTION OF Y

MEMBERS CONNECTING LEG A & B: $L_p/L = 1.0$

OTHERS : $L_p/L = \underbrace{\cos 60^\circ}_{\text{projected on to X-axis}} \cdot \underbrace{\frac{\Delta H}{L}}_{\text{projected onto Z-axis}}$

where L_p = projected length

ΔH = distance between horizontal braces

L = member length

BETWEEN EL.(+)12'-0" AND EL.(-)13'-0"

MEMBER 96 (20" ϕ .D. x .625" WT)

$$\gamma = \frac{(129.33 + 0.6 \times 119.65 \times 1)}{38.04} / 12 = 0.441 \text{ \#/cu.in.}$$

MEMBER 97, 98

$$\gamma = \frac{(129.33 + 0.6 \times 119.65 \times .5 \times \frac{25}{38.3})}{38.04} / 12 = 0.335 \text{ \#/cu.in.}$$

BETWEEN EL.(-)13'-0" AND EL.(-)41'-0"

MEMBER 116 (20" ϕ .D. x .625" WT)

$$\gamma = 0.441 \text{ \#/cu.in.}$$

MEMBER 115, 117

$$\gamma = 0.335 \text{ \#/cu.in.}$$

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 6-22-76 Job No. 27-271-99 Calculation Natural Frequency Calculation

BETWEEN EL. (-) 41'-0" AND EL. (-) 73'-0"

MEMBER 133 (20" ϕ . D. x .625" WT)

$$f = 0.441 \text{ \#/cu.in.}$$

MEMBER 134, 135

$$f = 0.335 \text{ \#/cu.in.}$$

BETWEEN EL. (-) 73'-0" AND EL. (-) 105'-0"

MEMBER 151, 152 (16" ϕ . D. x .5" WT)

$$f = \frac{(82.77 + 0.6 \times 76.58 \times 1.0)}{24.35} / 12 = 0.441 \text{ \#/cu.in.}$$

MEMBER 153, 154, 155, 156

$$f = \frac{(82.77 + 0.6 \times 76.58 \times .5 \times \frac{32}{45.25})}{24.35} / 12 = 0.339 \text{ \#/cu.in.}$$

CREST OFFSHORE, INC.

Sheet 31 of 33

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 6-22-76 Job No. 27-77L-99 Calculation Natural Frequency Calculation

(ii) VIBRATION IN THE DIRECTION OF X

MEMBERS CONNECTING LEG A & B : $L_p/L = \frac{\Delta H}{L}$
OTHERS : $L_p/L = \underbrace{\cos 30^\circ}_{\text{projected onto Y-axis}} \cdot \underbrace{\Delta H/L}_{\text{Projected onto Z-axis}}$

BETWEEN EL.(+)12'-0" AND EL.(-)13'-0"

MEMBER 96

$$f = \frac{(129.33 + 0.6 \times 119.65 \times \frac{2^2}{38.3})}{38.04} = 0.386 \text{ \#/cu.in.}$$

MEMBER 97, 98

$$f = \frac{(129.33 + 0.6 \times 119.65 \times 0.866 \times \frac{2^2}{38.3})}{38.04} = 0.372 \text{ \#/cu.in.}$$

BETWEEN EL.(-)13'-0" AND EL.(-)41'-0"

MEMBER 116

$$f = 0.386 \text{ \#/cu.in.}$$

MEMBER 115, 117

$$f = 0.372 \text{ \#/cu.in.}$$

CREST OFFSHORE, INC.

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By C. Cherr Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 6-22-76 Job No. 27-77L-99 Calculation Natural Frequency Analysis

BETWEEN EL. (-) 41'-0" AND EL. (-) 73'-0"

MEMBER 133

$$\uparrow = 0.386 \text{ \#/cu.in.}$$

MEMBER 134, 135

$$\uparrow = 0.372 \text{ \#/cu.in.}$$

BETWEEN EL. (-) 73'-0" AND EL. (-) 105'-0"

MEMBER 151, 152

$$\uparrow = \frac{(82.77 + 0.6 \times 76.58 \times \frac{3^2}{45.25})}{24.35} = 0.394 \text{ \#/cu.in.}$$

MEMBER 153, 154, 155, 156

$$\uparrow = \frac{(82.77 + 0.6 \times 76.58 \times \frac{8.66 \times 3^2}{45.25})}{24.35} = 0.380 \text{ \#/cu.in.}$$

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 6-23-76 Job No. 27-271-99 Calculation Natural Frequency Analysis

2.5 NATURAL FREQUENCIES OF THE STRUCTURE

(1) Natural Frequency of the Structure in the X-direction:

$$f = 1.49 \text{ Cycles/sec.}$$

$$\text{Period } T = 0.67 \text{ sec.}$$

(2) Natural Frequency of the Structure in the Y-direction:

$$f = 1.45 \text{ Cycles/sec.}$$

$$\text{Period } T = 0.69 \text{ sec.}$$

SECTION 3
EARTHQUAKE ANALYSIS

3.1 INTRODUCTION

This section evaluates the lateral loads on the structure due to earthquake. The empirical method was used to compute the base shear and to distribute the base shear to each loading joint. The stress analysis is then followed by treating the platform structure as a space frame subjected to lateral loads at the loading joints. ICES STRUDL-II computer program was employed to perform the computation.

The computer printout for the stress analysis due to earthquake is attached in APPENDIX C.

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 6-24-76 Job No. 27-77L-99 Calculation Earthquake Analysis

3.2 DATA PREPARATION

Lateral Loads at Base

$$V = ZKCW$$

where $Z = 0.25$ Zone #1

$K =$ Numerical Coefficient, See Table 22, ANSI A58.1-72

$$C = \frac{0.05}{\sqrt[3]{T}}$$

$W =$ total effective weight = $\sum_{i=1}^n W_i$ (SEAOC)

$$W = \sum_{i=1}^n W_i + 25\% \text{ floor live loads (NAVFAC)}$$

$T =$ fundamental period of vibration of the structure, in seconds, in the direction under consideration

$$0.12 \leq KC \leq 0.25$$

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 6-28-76 Job No. 27-771-99 Calculation Earthquake Analysis

$$F_x = \frac{V w_x h_x}{\sum_{i=1}^n w_i h_i}$$

NAVFAC P-355

$$M_x = \sum_{i=x}^n F_i (h_i - h_x)$$

where F_i, F_x = Lateral force applied to level i or x , respectively

Level i = level of the structure referred to by the subscript i

Level n = that level which is uppermost in the main portion of the structure

Level x = that level which is under design consideration

h_i, h_n, h_x = the height in feet above the base to level $i, n, \text{ or } x$, respectively

By C. Chern Client U. S. NAVY Subject Natural Frequency & Earthquake
 Date 7-6-76 Job No. 27-771-99 Calculation Earthquake Analysis

3.3 EARTHQUAKE LOADS IN X-DIRECTION

(1) Base Shear

Total Effective Weight $W = 1,184,414$ Lbs

Fundamental Period $T = 0.67$ SEC.

$Z = 0.25$ for Zone One

$$C = \frac{0.05}{\sqrt[3]{T}} = \frac{0.05}{\sqrt[3]{0.67}} = 0.0573$$

$$K = 3.00$$

$$KC = 3 \times 0.0573 = 0.172 < 0.25$$

$$\text{Base Shear} = ZKCW \quad (ZKC = 0.043)$$

$$= 0.25 \times 0.172 \times 1,184,414$$

$$= 50,930 \#$$

$$\text{API RP 2A Base Shear} = 0.05 \times 1,184,414$$

$$= 59,221 \#$$



By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-6-76 Job No. 27-771-99 Calculation Earthquake Analysis

(2) Distribution of Base Shear

NAVFAC P-355

$$F_x = \frac{V w_x h_x}{\sum_{i=1}^n w_i h_i} = \frac{V (\sum_{j=1}^n w_{jx}) h_x}{\sum_{i=1}^n (\sum_{j=1}^n w_{jx})_i h_i}$$

Joint Number	Lumped Joint Weight w_{jx} (LBS)	Joint ELEVATION h_x (FT)	$w_{jx} h_x$	$w_{jx} / \sum w_{jx}$	Earthquake Joint Load (LBS)
1110	5,549.719				0
1111	5,549.719				0
1112	5,549.461				0
	16,648.899	0	0		0
1001	18,962.758	15		.112	178
1002	10,609.203			.063	101
1003	18,962.758			.112	178
1004	11,588.656			.068	108
1005	11,588.656			.068	108
1006	19,787.609			.118	188
1007	28.938			.000	0
1008	28.938			.000	0

CREST OFFSHORE, INC.

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By C. Chern Client U.S. NAVY

Subject Natural Frequency & Earthquake

Date 7-2-76 Job No. 27-711-99

Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight (W_{jx}) (Lbs)	Joint ELEVATION h_x (FT)	$W_{jx} h_x$	$\frac{W_{jx}}{\sum W_{jx}}$	Earthquake Joint Load (Lbs)
1009	28.890			.000	0
1010	25,938.352			.153	244
1011	25,938.352			.153	244
1012	25,938.480			.153	244
	169,401.590	15	2,541,023.85	1.000	1,593
901	43,368.656	47		.158	1,277
902	4,918.473			.017	137
903	43,558.879			.159	1,285
904	5,904.473			.022	178
905	5,904.473			.022	178
906	43,988.242			.160	1,293
907	28.938			.000	0
908	28.938			.000	0
909	28.890			.000	0
910	42,208.660			.154	1,245
911	42,208.660			.154	1,245
912	42,208.527			.154	1,245

CREST OFFSHORE, INC.

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-77L-9d Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight ($w_j \times$) (Lbs)	Joint ELEVATION $h \times$ (FT)	$w_j \times h \times$	$\frac{w_j \times}{\sum w_j \times}$	Earthquake Joint Load (Lbs)
	274,355.809	47	12,844,723.02	1.000	8,083
801	40,759.152			.157	2,013
802	4,088.820			.016	205
803	40,408.461			.157	2,013
804	4,908.734			.019	244
805	4,908.734			.019	244
806	40,996.000			.158	2,025
807	28.938			.000	0
808	28.938			.000	0
809	28.890			.000	0
810	40,924.648			.158	2,026
811	40,924.648			.158	2,026
812	40,924.652			.158	2,026
	258,930.615	79	20,455,518.59	1.000	12,822

CREST OFFSHORE, INC.

Sheet 3-08 of 38

By C. Chern Client U.S. NAVY

Subject Natural Frequency & Earthquake

Date 7-2-76 Job No. 27-771-99

Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight (w_{jx}) (Lbs)	Joint ELEVATION h_x (FT)	$w_{jx} h_x$	$\frac{w_{jx}}{\sum w_{jx}}$	Earthquake Joint Load (Lbs)
701	30,846.754			.159	2,067
702	2,637.746			.014	182
703	26,883.199			.140	1,820
704	2,854.658			.015	194
705	2,854.658			.015	194
706	22,557.480			.116	1,508
707	28.938			.000	0
708	28.938			.000	0
709	28.890			.000	0
710	35,021.695			.180	2,340
711	35,021.695			.180	2,340
712	35,022.590			.181	2,353
	193,787.241	107.0	20,735,234.790	1.000	12,998

CREST OFFSHORE, INC.

Sheet 3.09 of 38

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-711-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight w_{jx} (Lbs)	Joint ELEVATION h_x (FT)	$w_{jx} h_x$	$\frac{w_{jx}}{\sum w_{jx}}$	Earthquake Joint Load (Lbs)	
651	12,046.922	114.0		.280	860	
653	12,046.922			.280	860	
656	15,290.152			.356	1,094	
661	1,152.264			.027	83	
662	1,308.612			.030	93	
663	1,152.264			.027	83	
	42,997.136			4,901,673.504	1.000	3,073
601	10,669.531	126.0		.429	844	
603	10,669.531			.429	844	
611	1,159.413			.046	90	
612	1,233.381			.050	98	
613	1,159.413			.046	90	
	24,891.269			3,136,299.894	1.000	1,966

CREST OFFSHORE, INC.

Sheet 3.10 of 38

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-771-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight (W_{jx}) (Lbs)	Joint ELEVATION h_x (FT)	$W_{jx} h_x$	$\frac{W_{jx}}{\sum W_{jx}}$	Earthquake Joint Load (Lbs)
501	11,452.137	132.0		.105	951
502	2,617.854			.024	217
503	11,373.055			.104	942
504	3,031.822			.027	244
505	3,031.822			.027	244
506	18,550.715			.170	1,540
507	28.938			.000	0
508	28.938			.000	0
509	28.890			.000	0
510	18,803.129			.172	1,557
511	18,864.285			.172	1,557
512	18,803.172			.172	1,557
513	941.299			.009	82
514	941.299			.009	82
515	941.528			.009	82
	109,438.883	132.0	14,445,932.56	1.000	9,055

CREST OFFSHORE, INC.

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By C. Chern Client U.S. NAVY
 Date 7-2-76 Job No. 27-771-99

Subject Natural Frequency & Earthquake
 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $\sum W_j$ (Lbs)	Joint ELEVATION h_j (FT)	$W_j \times h_j$	$\frac{W_j \times h_j}{\sum W_j \times h_j}$	Earthquake Joint Load (Lbs)
401	9,896.918	136.5		.332	847
403	10,014.379			.336	856
406	9,896.340			.332	847
	29,807.637		4,068,742.45	1.000	2,550
301	9,725.125	165.0		.333	1,005
303	9,725.922			.334	1,008
306	9,724.988			.333	1,005
	29,176.035		4,814,045.77	1.000	3,018
201	6,454.211	180.0		.285	726
202	1,075.139			.048	123
203	6,454.094			.286	727
204	1,075.113			.048	123
205	1,075.113			.048	123
206	6,454.367			.285	727
	22,588.037		4,066,027.02	1.000	2,549

By C. Choy Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-27L-99 Calculation Earthquake Analysis

3.4 EARTHQUAKE LOADS IN Y-DIRECTION

(1) Base Shear

Total Effective Weight $W = 1,186,264$ lbs

Fundamental Period $T = 0.69$ Sec.

$Z = 0.25$ for Zone One

$$C = \frac{0.05}{\sqrt[3]{T}} = \frac{0.05}{\sqrt[3]{0.69}} = 0.0566$$

$$K = 3.00$$

$$KC = 3 \times 0.0566 = 0.17 < 0.25$$

$$\text{Base Shear } V = ZKCW \quad (ZKC = 0.0425)$$

$$= 0.25 \times 0.17 \times 1,186,264$$

$$= 50,416 \#$$

$$\text{API RP 2A Base Shear } V = 0.05 \times 1,186,264$$

$$= 59,313 \#$$



By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-771-99 Calculation Earthquake Analysis

(2) Distribution of Base Shear

NAVFAC P-355

$$F_x = \frac{V w_j h_x}{\sum_{i=1}^n w_i h_i} = \frac{V \left(\sum_{j=1}^r w_{jx} \right) h_x}{\sum_{i=1}^n \left(\sum_{j=1}^r w_{jx} \right)_i h_i}$$

Joint Number	Lumped Joint Weight w_{jx} (Lbs)	Joint ELEVATION h_x (FT)	$w_{jx} h_x$	$\frac{w_{jx}}{\sum w_{jx}}$	Earthquake Joint Load (Lbs)
1110	5549.719	0			0
1111	5549.719				0
1112	5549.461				0
	16,648.899			0	0
1001	19,549.332	15		0.115	185
1002	12,644.625			0.073	118
1003	19,549.332			0.115	185
1004	10,732.500			0.063	102
1005	10,732.500			0.063	102
1006	19,079.418			0.112	180
1007	28.938			0.001	0
1008	28.938			0.001	0

CREST OFFSHORE, INC.

Sheet 3.15 of 38

By C. Chern Client U. S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-711-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $\sum W_j \times$ (Lbs)	Joint ELEVATION $h \times$ (FT)	$W_j \times h \times$	$\frac{W_j \times h \times}{\sum W_j \times}$	Earthquake Joint Load (Lbs)
1009	28.890	15.0		0.001	0
1010	25,938.352			0.152	243
1011	25,938.352			0.152	243
1012	25,938.480			0.152	243
	170,189.657			2,552,844.855 1.000	1,601
901	43,404.410	47.0		0.158	1,279
902	6,164.211			0.022	178
903	44,846.145			0.164	1,328
904	5,604.801			0.020	162
905	5,604.801			0.020	162
906	42,372.965			0.154	1,247
907	28.938			0.000	0
908	28.938			0.000	0
909	28.890			0.000	0
910	42,208.660			0.154	1,247
911	42,208.660			0.154	1,247
912	42,208.527			0.154	1,247

CREST OFFSHORE, INC.

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-711-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $w_j \times$ (Lbs)	Joint ELEVATION $h \times$ (FT)	$w_j \times h \times$	$\frac{w_j \times h \times}{\sum w_j \times h \times}$	Earthquake Joint Load (Lbs)
	274,709.993	47.0	12,911,369.671	1.000	8,097
801	42,554.211			0.163	2,094
802	5,124.078			0.020	257
803	39,898.813			0.154	1,979
804	4,659.695			0.018	231
805	4,659.695			0.018	231
806	39,565.238			0.153	1,966
807	28.938			0.000	0
808	28.938			0.000	0
809	28.938			0.000	0
810	40,924.648			0.158	2,030
811	40,924.648			0.158	2,030
812	40,924.652			0.158	2,030
	259,322.444	79.0	20,486,477.076	1.000	12,848

CREST OFFSHORE, INC.

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-711-96 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $\sum W_{jx}$ (Lbs)	Joint ELEVATION h_x (FT)	$W_{jx} h_x$	$\frac{W_{jx}}{\sum W_{jx}}$	Earthquake Joint Load (Lbs)
701	29,808.012			0.154	2,003
702	2,958.397			0.015	195
703	28,206.961			0.145	1,885
704	2,832.114			0.015	195
705	2,832.114			0.015	195
706	22,006.328			0.113	1,470
707	28.938			0.000	0
708	28.938			0.000	0
709	28.938			0.000	0
710	35,021.695			0.181	2,354
711	35,021.695			0.181	2,354
712	35,022.590			0.181	2,354
	193,796.672	107.0	20,736,243.904	1.000	13,005

CREST OFFSHORE, INC.

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-771-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $W_j \times$ (Lbs)	Joint ELEVATION h_x (FT)	$W_j \times h_x$	$\frac{W_j \times h_x}{\sum W_j \times h_x}$	Earthquake Joint Load (Lbs)	
651	12,046.922	114.0	4,901,673.504	0.280	861	
653	12,046.922			0.280	861	
656	15,290.152			0.356	1,094	
661	1,152.264			0.027	83	
662	1,308.612			0.030	92	
663	1,152.264			0.027	83	
	42,997.136				1.000	3,074
601	10,669.531	126.0	3,136,299.894	0.429	844	
603	10,669.531			0.429	844	
611	1,159.413			0.046	90	
612	1,233.381			0.050	99	
613	1,159.413			0.046	90	
	24,891.269				1.000	1,967

CREST OFFSHORE, INC.

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-2-76 Job No. 27-711-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $W_j \times$ (Lbs)	Joint ELEVATION $h \times$ (FT)	$W_j \times h \times$	$\frac{W_j \times h \times}{\sum W_j \times h \times}$	Earthquake Joint Load (Lbs)
501	12,202,984			0.111	1,008
502	3,155,468			0.029	263
503	11,238,180			0.102	927
504	2,912,415			0.026	236
505	2,912,415			0.026	236
506	17,942,203			0.163	1,480
507	28,938			0.000	0
508	28,938			0.000	0
509	28,890			0.000	0
510	18,803,129			0.172	1,563
511	18,864,285			0.172	1,563
512	18,803,172			0.172	1,563
513	941,299			0.009	82
514	941,299			0.009	82
515	941,528			0.009	82
	109,745,143	132.0	14,863,588.876	1.000	9,085

CREST OFFSHORE, INC.

Sheet 3-20 of 38

By C. Cherr Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-4-76 Job No. 27-771-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $\sum W_j \times$ (Lbs)	Joint ELEVATION $h \times$ (FT)	$W_j \times h \times$	$\frac{W_j \times h \times}{\sum W_j \times}$	Earthquake Joint Load (Lbs)
401	9,896.918	136.5	4,068,742.45	0.332	847
403	10,014.379			0.336	858
406	9,896.340			0.332	847
	29,807.637			1.000	2,552
301	9,725.125	165.0	4,814,045.775	0.333	1005
303	9,725.922			0.334	1009
306	9,724.988			0.333	1005
	29,176.035			1.000	3,019
201	6,454.211	180.0	4,065,846.660	0.286	729
202	1,075.139			0.047	120
203	6,454.094			0.286	729
204	1,075.113			0.047	120
205	1,075.113			0.047	120
206	6,454.357			0.287	732
	22,588.037			1.000	2,550

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-6-76 Job No. 27-771-99 Calculation Earthquake Analysis

3.5 GRAVITY LOADS AND BUOYANCY

MEMBER DENSITY

1. SUPERSTRUCTURAL MEMBERS

41 TØ 64
 79 TØ 95
 172 TØ 180

DENSITY OF ALL MEMBERS = 0.284 #/cu.in.

2. WISHBONE MEMBERS**

73 TØ 78, 109 TØ 114, 127 TØ 132
 145 TØ 150, 166 TØ 171

Actual Shim Size = 10" x 5" x 1" (ea.)

Fictitious Wishbone Member = 10" x 5" x 30.5"

$$\text{Density of Wishbone Members} = \frac{(.284 \times 10 \times 5 \times 1 - 0.037 \times 10 \times 5 \times 1) \times 2}{10 \times 5 \times 30.5}$$

$$= .016 \text{ \#/cu.in.}$$

** Fictitious members, no member density is required in the analysis **

3. PILINGS

$$\text{Density of Piling} = \frac{\text{Steel Wt.} - \text{Buoyancy (Flooded)}}{\text{Steel Cross-sectional Area}}$$

42" Ø.D. x 1.75" WT 201 TØ 206, 213 TØ 215

$$\gamma_{1.75} = \frac{752.28/2 - 0.037 \times 221.29}{221.29} = 0.247 \text{ \#/cu.in.}$$

CREST OFFSHORE, INC.

Sheet 3-23 of 38

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 7-6-76 Job No. 27-771-99 Calculation Earthquake Analysis

42" ϕ .D. x 2.00" WT

207 T ϕ 212, 216 T ϕ 218

$$\gamma_{2.0} = .284 - .037 = 0.247 \text{ \#/cu.in.}$$

4. JACKET LEGS

$$\text{Density of Jacket Legs} = \frac{\text{Steel Wt.} - \text{Buoyancy}}{\text{Steel Cross-Sectional Area}}$$

46" ϕ .D. x 1.00" WT

181 T ϕ 191

$$\gamma_{1.0} = 0.247 \text{ \#/cu.in.}$$

46" ϕ .D. x .5" WT

192 T ϕ 200

$$\gamma_{.5} = 0.247 \text{ \#/cu.in.}$$

5. BRACINGS

$$\text{Density of Bracing} = \frac{(\text{Steel Wt.} - 64.2 \times \pi \frac{D^2}{4})}{12 \text{ Steel Cross-sectional Area}}$$

(5-a) Horizontal Bracings

ELEVATION (+) 12'-0"

Member #65 T ϕ 70 (16" ϕ .D. x .5" WT)

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-7-76 Job No. 27-771-99 Calculation Earthquake Analysis

$$r = \frac{[82.77 - 64.2 \times \frac{\pi}{4} (\frac{16}{12})^2]}{24.35} = -0.024 \#/\text{in}^2$$

Member # 100, 71, 72 (12 $\frac{3}{4}$ " ϕ .D. x .5" WT)

$$r = \frac{[65.42 - 64.2 \times \frac{\pi}{4} \times (\frac{12.75}{12})^2]}{19.24} = 0.037 \#/\text{in}^3$$

ELEVATION (-) 13'-0"

Member # 99, 101 T ϕ 105 (12 $\frac{3}{4}$ " ϕ .D. x .5" WT)

$$r = \frac{[65.42 - 64.2 \times \frac{\pi}{4} \times (\frac{12.75}{12})^2]}{19.24} = 0.037 \#/\text{in}^3$$

Member # 106 T ϕ 108 (12 $\frac{3}{4}$ " ϕ .D. x .375" WT)

$$r = \frac{[49.56 - 64.2 \times \frac{\pi}{4} \times (\frac{12.75}{12})^2]}{14.58} = -0.042 \#/\text{in}^3$$

ELEVATION (-) 41'-0"

Member # 118 T ϕ 123 (18" ϕ .D. x .5" WT)

$$r = \frac{[93.45 - 64.2 \times \frac{\pi}{4} \times (\frac{18}{12})^2]}{27.49} = -0.061 \#/\text{in}^3$$

Member # 124 T ϕ 126 (14" ϕ .D. x .375" WT)

$$r = \frac{[54.57 - 64.2 \times \frac{\pi}{4} \times (\frac{14}{12})^2]}{16.05} = -0.073 \#/\text{in}^3$$

By C. Chern Client U. S. NAVY Subject Natural Frequency & Earthquake
 Date 7-7-76 Job No. 27-77L-99 Calculation Earthquake Analysis

ELEVATION (-) 73'-0"

Member #136 TΦ 141 (18"Φ.D. x .5" WT)

$$\gamma = -.061 \text{ \#/in}^3$$

Member #142 TΦ 144 (14"Φ.D. x .375" WT)

$$\gamma = -0.073 \text{ \#/in}^3$$

ELEVATION (-) 105'-0"

Member #157 TΦ 162 (18"Φ.D. x .5" WT)

$$\gamma = -.061 \text{ \#/in}^3$$

Member #163 TΦ 165 (14"Φ.D. x .375" WT)

$$\gamma = -0.073 \text{ \#/in}^3$$

(5-b) Vertical Bracings

Between EL (+) 12'-0" and EL (-) 13'-0"

Member #96 TΦ 93 (20"Φ.D. x .625" WT)

$$\gamma = \frac{[129.33 - 64.2 \times \frac{\pi}{4} \times (\frac{20}{12})^2]}{38.04} = -0.024 \text{ \#/in}^3$$

Between EL (-) 13'-0" and EL (-) 41'-0"

Member #115 TΦ 117 (20"Φ.D. x .625" WT)

$$\gamma = -0.024 \text{ \#/in}^3$$

CREST OFFSHORE, INC.

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By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
Date 7-7-76 Job No. 27-771-99 Calculation Earthquake Analysis

Between EL.(-)41'-0" and EL.(-)73'-0"

Member #133 T ϕ 135 (20" ϕ .D. x .625" WT)

$$\uparrow = -0.024 \text{ \#}/\text{in}^3$$

Between EL.(-)73'-0" and EL.(-)105'-0"

Member #151 T ϕ 156 (16" ϕ .D. x .5" WT)

$$\uparrow = -0.024 \text{ \#}/\text{in}^3$$

CREST OFFSHORE, INC.

Sheet 3.27 of 38

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-6-56 Job No. 27-71L-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $w_j \times h_j$ (Lbs)	Joint ELEVATION h_j (FT)	$w_j \times h_j$	$\frac{w_j \times h_j}{\sum w_j \times h_j}$	Earthquake Joint Load (Lbs)
1110	-3,073.498	0			
1111	-3,073.498				
1112	-3,073.355				
	-9,220.351				
1001	-2,803.619	15.0			
1002	1,391.355				
1003	-2,803.619				
1004	1,391.377				
1005	1,391.377				
1006	-2,803.645				
1007	-24.369				
1008	-24.369				
1009	-24.328				
1010	-13,725.039				
1011	-13,725.039				
1012	-13,725.094				
	-45,485.012				

CREST OFFSHORE, INC.

Sheet 3-28 of 30

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-6-76 Job No. 27-711-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $w_j \times$ (Lbs)	Joint ELEVATION $h \times$ (FT)	$w_j \times h \times$	$\frac{w_j \times}{\sum w_j \times}$	Earthquake Joint Load (Lbs)
901	-5,710.398				
902	937.205				
903	-5,710.410				
904	937.219				
905	937.219				
906	-5,710.270				
907	-24.369				
908	-24.369				
909	-24.328				
910	-22,735.727				
911	-22,735.727				
912	-22,735.633				
	-82,599.588	47.0			

CREST OFFSHORE, INC.

Sheet 30 of 38

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-6-76 Job No. 27-711-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $w_j \times$ (Lbs)	Joint ELEVATION $h \times$ (FT)	$w_j \times h \times$	$\frac{w_j \times h \times}{\sum w_j \times h \times}$	Earthquake Joint Load (Lbs)
801	-5,395.117				
802	779.093				
803	-5,395.113				
804	779.183				
805	779.183				
806	-5,394.973				
807	-24.369				
808	-24.369				
809	-24.328				
810	-22,668.715				
811	-22,668.715				
812	-22,668.711				
	-81,926.951	79.0			

CREST OFFSHORE, INC.

Sheet 3.30 of 38

By C. Chern Client U.S. NAVY

Subject Natural Frequency & Earthquake

Date 7-6-76 Job No. 27-JIL-99

Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight w_{jx} (Lbs)	Joint ELEVATION h_x (FT)	$w_{jx} h_x$	$\frac{w_{jx}}{\sum w_{jx}}$	Earthquake Joint Load (Lbs)
701	-3,885.314				
702	-22.446				
703	-4,160.063				
704	-22.413				
705	-22.413				
706	-4,434.809				
707	-24.369				
708	-24.369				
709	-24.328				
710	-18,896.406				
711	-18,896.406				
712	-18,896.883				
	-69,510.219	107.0			

CREST OFFSHORE, INC.

Sheet 3.3 of 38

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-6-76 Job No. 27-JIL-94 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight w_{jx} (Lbs)	Joint ELEVATION h_x (FT)	$w_{jx} h_x$	$\frac{w_{jx}}{\sum w_{jx}}$	Earthquake Joint Load (Lbs)
651	-5,102.770	114.0			
653	-5,102.770				
656	-6,153.293				
661	-1,152.264				
662	-1,308.612				
663	-1,152.264				
	-19,971.973				
601	-4,091.552	126.0			
603	-4,091.552				
611	-1,159.413				
612	-1,233.381				
613	-1,159.413				
	-11,735.311				

CREST OFFSHORE, INC.

Sheet 3-32 of 38

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-6-76 Job No. 27-711-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight $w_j \times$ (Lbs)	Joint ELEVATION h_j (FT)	$w_j \times h_j$	$\frac{w_j \times h_j}{\sum w_j \times h_j}$	Earthquake Joint Load (Lbs)
501	-2,003.133				
502	-23.174				
503	-2,023.574				
504	-23.177				
505	-23.177				
506	-4,552.242				
507	-24.369				
508	-24.369				
509	-24.328				
510	-9,823.598				
511	-9,855.535				
512	-9,823.609				
513	-941.299				
514	-941.299				
515	-941.528				
	-41,048.411	132.0			

CREST OFFSHORE, INC.

Sheet 3.33 of 38

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-6-76 Job No. 27-711-99 Calculation Earthquake Analysis

JOINT Number	Lumped Joint Weight w_{jx} (Lbs)	Joint ELEVATION h_x (FT)	$w_{jx} h_x$	$\frac{w_{jx}}{\sum w_{jx}}$	Earthquake Joint Load (Lbs)
401	-6,880.102	136.5			
403	-6,933.160				
406	-6,879.840				
	-20,693.102				
301	-9,725.125	165.0			
303	-9,725.922				
306	-9,724.988				
	-29,176.035				
201	-6,454.211	180.0			
202	-1,075.139				
203	-6,454.094				
204	-1,075.113				
205	-1,075.113				
206	-6,454.367				
	-22,588.037				

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-8-76 Job No. 22-771-99 Calculation Earthquake Analysis

3.6 TRANSIENT LIVE LOADS

REF: NAVFAC P-355 page 1-4 item e

ANSI A58.1-1972

API RP 2A 7th Edition, January 1976

W = 25% of Deck Floor Live Loads

(a) EQUIPMENT DECK EL.(+) 60'-0"

DESIGN LIVE LOAD = 150 PSF

$$W = .25 \times 150 \times \left[\frac{1}{2} \times (29 \times 25) + 8 \times 21 \right]$$

$$= 19,894 \text{ LBS}$$

Earthquake Load Coefficient = 0.05 (API RP2A)

Earthquake Lateral Load = $.05 \times 19,894$

$$= 995 \text{ LBS}$$

Equally distributed to Joints # 201, 203, 206

JOINT NO.	GRAVITY LOAD	EARTHQUAKE LATERAL LOAD
201	-6,632 LBS	332 LBS
203	-6,632	332
206	-6,632	332

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-8-76 Job No. 27-771-99 Calculation Earthquake Analysis

(b) UPPER DECK EL.(+) 75'-0"

DESIGN LIVE LOAD = 100 PSF

$$W = .25 \times 100 \times \frac{1}{2} \times (29 \times 25) = 9,063 \text{ LBS}$$

Earthquake Coefficient = 0.05 (API RP 2A)

$$\begin{aligned} \text{Earthquake Lateral Load} &= .05 \times 9,063 \\ &= 453 \text{ LBS} \end{aligned}$$

Equally distributed to Joints #101, 103, 106

JOINT NO.	GRAVITY LOAD	EARTHQUAKE LATERAL LOAD
101	-3,021 LBS	151 LBS
103	-3,021	151
106	-3,021	151

By C. Chern Client U. S. NAVY Subject Natural Frequency & Earthquake
Date 7-8-76 Job No. 27-771-99 Calculation Earthquake Analysis

LOADINGS AND LOADING COMBINATIONS

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

LOADING 3 GRAVITY LOADS AND BUOYANCY

LOADING 4 TRANSIENT LIVE LOADS IN Y-DIRECTION

LOADING 5 TRANSIENT LIVE LOADS IN X-DIRECTION

LOADING COMBINATIONS

COMBINE 6 (1+3+4) VIBRATION IN Y-DIRECTION

COMBINE 7 (2+3+5) VIBRATION IN X-DIRECTION

By C. Chern Client U.S. NAVY Subject Natural Frequency & Earthquake
 Date 7-8-76 Job No. 27-77-99 Calculation Earthquake Analysis

3.8 SUMMARY

The results of earthquake analysis may be summarized in the following table:

LOADING CONDITION	DESIGNATION	BASE SHEAR DUE TO LOADING CONDITION
		LBS
1	EARTHQUAKE LOADS IN Y-DIRECTION	59,313
2	EARTHQUAKE LOADS IN X-DIRECTION	59,221
3	GRAVITY LOADS AND BUOYANCY	0
4	TRANSIENT LIVE LOADS IN Y-DIRECTION	1,449
5	TRANSIENT LIVE LOADS IN X-DIRECTION	1,449
6 (=1+3+4)	VIBRATION IN Y-DIRECTION	60,762
7 (=2+3+5)	VIBRATION IN X-DIRECTION	60,670

SECTION 4

REFERENCES

1. Department of the Army, the Navy, and the Air Force
SEISMIC DESIGN FOR BUILDINGS, Army TM5-809-10,
Navy NAVFAC P-355, Air Force AFM 88-3, Chap. 13,
April 1973.
2. American National Standard Institute
BUILDING CODE REQUIREMENTS FOR MINIMUM DESIGN
LOADS IN BUILDINGS AND OTHER STRUCTURES, ANSI
A58.1, 1972.
3. American Institute of Steel Construction, Inc.
SPECIFICATION FOR THE DESIGN, FABRICATION AND
ERECTION OF STRUCTURAL STEEL FOR BUILDINGS,
7th Edition, 1969.
4. Massachusetts Institute of Technology
ICES STRUDL-II ENGINEERING USER'S MANUAL,
Volume 2, Second Edition, June 1971.
5. American Petroleum Institute
PROPOSED REVISIONS TO API RP2A FOR EARTH
DESIGN (Committee Correspondence from Mr.
L. P. Johnston)

APPENDIX A
LUMPED JOINT LOADS


```

ISV40 JOB ORIGIN FROM GROUP=H027 , DSP=CR , DEVICE=RM02TRD1, OAS
//LECS655 JOB (00442705002777101PCEIENG96), (CHERN , ,PRTY=4,CLASS=D,C
// TIME=(060,00),REGION=500K
//MAIL, LINES=(080,M),CAPDS=(00,C),SYSTEM=A,FAILURE=RESTART
//MINI5656 EXEC MINI5656
//MINI5656,SYSDA DD *
/

```

```

AMDS01 JOB 1353 (LECS655 ) IN SETUP ON MAIN=A
AMDS02 STEPLIB USING D ONL001 ON '00' TIME=10.27.19
LECS655 IEF403I LECS655 STARTED
LECS655 IEF234E D 681,ASP6H1
*LECS655 *64 IECASPO 6A8 IS LECS655 *A *MINI5656*MINI5656FT06F001
*LECS655 *75 IECASPO 6A9 IS LECS655 *MINI5656*MINI5656ASPI0001
LECS655 IEC202E K 6A9,01135,M,LECS655,MINI5656
LECS655 TIME=LECS655 CC=00442705 P=2777101 P J=CETENG96 M=CHERN A=1353
LECS655 IEF404I LECS655 ENDED TIME=10.42.02
//LECS655 JOB (00442705002777101PCEIENG96), (CHERN , ,PRTY=4,CLASS=D,*
// TIME=(060,00),REGION=500K
//MINI5656 EXEC MINI5656
XKASTEPLIB DD EXEC PGM=ORNLCEX5,KAMM=00000
XX DD DISP=SHR,UNIT=SYSDA,VOL=SER=ONL001,DSNAME=AC,ICESV2P3
XX DSN=ICES,STRU=DL,FI
XX DD DISP=SHR,UNIT=SYSDA,VOL=SER=ONL001,
XX DSN=MAC,SSUNHANG
XX DD DISP=SHR,UNIT=SYSDA,VOL=SER=ONL001,
XX DSN=MAC,STR2P5
XX DD DISP=SHR,UNIT=SYSDA,VOL=SER=ONL001,
XX DSN=MAC,TAL2P5
XKFT05F001 DD DDNAME=SYSIN
XKFT05F002 DD SYSOUT=,DCB=(RECFM=FB,LRECL=133,HLKSIZE=798)
XKFT07F001 DD SYSOUT=
XKFT10F001 DD DUMMY
XK001 DD UNIT=SYSDA,DCB=(DSORG=DA,SPACE=(TRK,10)
XK002 DD DSN=MAC,STR2P5,DD2,DISP=SHR,DCB=(DSORG=DA,UNIT=SYSDA,
XX VOL=SER=ONL001
XK003 DD DSN=003,SSUNHANG,DISP=SHR,DCB=(DSORG=DA,UNIT=SYSDA,
XX VOL=SER=ONL001
XK004 DD UNIT=SYSDA,DCB=(DSORG=DA,BLKSIZE=6300),SPACE=(6300,(500,50)
//MINI5656,SYSDA DD UNIT=(CTC,DEFER),DSNAME=KASPI0001,
// DISP=(OLD,DELETE),VOL=SER=011353,DCB=(LRECL=80,RLKSIZE=80,RECFM=FB)
//
IEF230I ALLOC. FOR LECS655 MINI5656
IEF237I 100 ALLOCATED TO STEPLIB
IEF237I 100 ALLOCATED TO
IEF237I 100 ALLOCATED TO
IEF237I 100 ALLOCATED TO
IEF237I 100 ALLOCATED TO
IEF237I 6A9 ALLOCATED TO FT05F001
IEF237I 6A8 ALLOCATED TO FT06F001
IEF237I 6H0 ALLOCATED TO FT06F002
IEF237I 6H1 ALLOCATED TO FT07F001
IEF237I 100 ALLOCATED TO DD1
IEF237I 100 ALLOCATED TO DD2
IEF237I 100 ALLOCATED TO DD3
IEF237I 102 ALLOCATED TO DD4
IEF142I * STEP WAS EXECUTED - FUND CODE 0000

```

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IEF245I L SER M0SE 0N1001.
IEF245I CES,STRUDL,FX
IEF245I L SER M0SE 0N1001.
IEF245I AC,SUUBANG
IEF245I VOL SER M0SE 0N1001.
IEF245I PAC,ST42PS
IEF245I VOL SER M0SE 0N1001.
IEF245I MAC,T4M1E20
IEF245I VOL SER M0SE 0N1001.
IEF245I SVS76189,T092931,MV001,LEC5655,ASPI0001
IEF245I VOL SER M0SE 01153.
IEF245I SVS76189,T092931,MV001,LEC5655,ASPD0001
IEF245I VOL SER M0SE A3P004.
IEF245I SVS76189,T092931,MV001,LEC5655,MV001181
IEF245I VOL SER M0SE SCH002.
IEF245I MAC,ST42PS,DD2
IEF245I DD3,SUUBANG
IEF245I VOL SER M0SE 0N1001.
IEF245I SVS76189,T092931,MV001,LEC5655,M0001182
IEF245I VOL SER M0SE SCH000.
IEF373I STEP /MIN15656/ START 76189,1027
IEF374I STEP /MIN15656/ STOP 76189,1042 CPU 0MIN 27.94SEC STOR VIRT 512K

```

```

PACES DATA ACQUISITION SYSTEM
*****
STEP NAME      MIN15656  START TIME 10.27.19.56  MAIN CORE RECD 500 K  LCS CORE RECD 0 K  STEP CPU 00.00.27.94 *
PGM NAME      M00ICEX5  STOP TIME 10.42.02.80  MAIN CORE USED 512 K  LCS CORE USED 0 K  JOB CPU 00.00.27.94 *
DISPATCH PRY 1  ELAP, TIME 00.14.43.24  MAIN CORE BORRWD 0 K  LCS CORE BORRWD 0 K  CONDITION CODE 0000 *
*****
UNIT  EXCP COUNT  UNIT  EXCP COUNT  UNIT  EXCP COUNT  UNIT  EXCP COUNT  UNIT  EXCP COUNT
300    0          300    0          300    0          300    0          300    0
648    133        648    0          648    0          648    0          648    0
502    2,305      502    0          502    0          502    0          502    0
EXCP TOTAL 3,015
*****
IEF375I JOB /LEC5655 / START 76189,1027
IEF376I JOB /LEC5655 / STOP 76189,1042 CPU 0MIN 27.94SEC

```

```

PACES DATA ACQUISITION SYSTEM
*****
JOB LOG NUMBER = LEC5655 76189 09.29.31.54
PRGNAME      CMERN          DATE      07/07/76 76,189  INITIATION TIME 10.27.19.56
ACCTG DATA 0044270500277101PCETENG96  CPU TIME 00.00.27.94  TERMINATION TIME 10.42.02.06
JOHNAME      LEC5655          PRIORITY  02          ELAPSED TIME 00.14.43.32
SYSTEM ID    66 - 6C          CLASS      D          COMPLETION STATUS C0000
AMDS09 JOB 1353 (LEC5655) IN BREAKDOWN

```


.....
*
* MCDONNELL-ECI ICES EXECUTIVE SYSTEM *
* * * * *

* MAC REL. 2.3 - RELEASED 2/5/73 *
* * * * *

* TI-810,27,28, 7/07/76 *
* * * * *

807	24.86	-14.41	64.41
710	18.76	-10.83	91.99
1003	-32.06	-18.50	0.0
1005	-16.02	9.25	0.0
903	-27.42	-15.83	32.00
1006	0.	37.00	0.0
906	0.	31.66	32.00
902	0.	-15.83	32.00
904	15.71	7.91	32.00
806	0.	26.32	64.00
801	22.79	-13.16	64.00
707	20.93	-12.00	92.41
510	15.15	-6.75	116.99
1008	-34.21	-19.75	0.41
908	-29.59	-17.06	32.41
905	-15.71	7.91	32.00
803	-22.79	-13.16	64.00
1009	0.	39.50	0.41
909	0.	34.16	32.41
809	0.	28.82	64.41
805	-11.40	6.58	64.00
804	11.40	6.58	64.00
706	0.	21.66	92.0
701	18.76	-10.83	92.0
802	0.	-13.16	64.00

703	-18,76	-10,83	92,0
507	17,32	-10,00	117,41
401	14,50	-8,37	121,5
1011	-52,04	-18,50	-0,01
911	-27,42	-15,83	31,99
608	-24,96	-14,41	64,41
1012	0,	37,00	-0,01
912	0,	31,66	31,99
812	0,	26,52	63,99
709	0,	24,16	92,41
656	0,	20,49	99,00
705	-9,38	5,41	92,0
704	9,38	5,41	92,0
503	-15,15	-8,75	117,0
702	0,	-10,63	92,0
651	17,74	-10,25	99,00
506	0,	17,49	117,0
708	-20,93	-12,08	92,41
653	-17,74	-10,25	99,00
501	15,15	-8,75	117,0
301	14,50	-8,37	150,0
1111	-54,21	-19,75	-15,00
811	-22,79	-13,16	63,99
1112	0,	39,50	-15,00
712	0,	21,66	91,99

515	0.	20.49	117.00
508	-17.32	-10.00	117.41
514	-17.74	-10.25	117.00
403	-14.	-8.37	121.5
603	-16.01	-9.25	111.00
502	0.	-8.75	117.0
505	-7.575	4.37	117.0
513	17.74	-10.25	117.00
601	17.74	-15.25	99.00
601	16.01	-9.25	111.00
509	0.	19.99	117.41
406	0.	16.74	121.5
504	7.575	4.37	117.0
711	-18.76	-10.83	91.99
663	-17.74	-15.25	99.00
206	0.	16.74	165.0
303	-14.50	-8.37	150.0
306	0.	16.74	150.0
201	14.50	-8.37	165.0
512	0.	17.49	116.99
511	-15.15	-8.75	116.99
613	-16.01	-15.25	111.00
662	0.	-15.25	99.00
611	16.01	-15.25	111.00
106	0.	16.74	180.0

205	-7,25	4,18	165,0
208	7,25	4,18	165,0
203	-14,50	-8,37	165,0
101	14,50	-8,37	180,0
202	0,	-8,37	165,0
612	0,	-15,25	111,00
105	-7,25	4,18	180,0
104	7,25	4,18	180,0
103	-14,50	-8,37	180,0
102	0,	-8,37	180,0

JOINT RELEASES

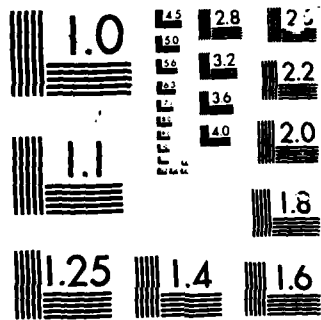
1110 1111 1112 MOM X MOM Y MOM Z

MEMBER INCIDENCES

41	101	102
42	102	103
43	103	105
44	105	106
45	101	104
46	104	106
47	102	108
48	102	105
49	104	105
50	201	202
51	202	203
52	203	205

59	2-5	2-20
50	2-1	2-0
61	2-0	2-0
62	2-2	2-0
63	2-2	2-5
64	2-0	2-5
65	2-1	3-3
66	2-3	3-0
67	2-0	3-1
68	3-1	3-3
69	3-0	3-0
70	3-1	3-0
71	5-1	5-2
72	5-2	5-3
73	5-3	5-0
74	5-1	5-0
75	5-0	5-10
76	5-3	5-8
77	5-0	5-11
78	5-0	5-9

78	509	512
79	501	513
80	503	514
81	506	515
82	513	651
83	514	653
84	515	656
85	601	611
86	603	613
87	651	661
88	653	663
89	611	612
90	612	613
91	661	662
92	662	663
93	611	661
94	612	662
95	613	663
96	501	703
97	503	706
98	506	701
99	701	702
100	504	505
101	702	703
102	703	705



MICROCOPY RESOLUTION TEST CHART

401 3

103	705	706
104	707	708
105	709	710
106	711	712
107	713	714
108	715	716
109	717	718
110	719	720
111	721	722
112	723	724
113	725	726
114	727	728
115	729	730
116	731	732
117	733	734
118	735	736
119	737	738
120	739	740
121	741	742
122	743	744
123	745	746
124	747	748
125	749	750
126	751	752
127	753	754

128	807	810
129	803	808
130	808	811
131	806	809
132	809	812
133	801	903
134	803	906
135	806	901
136	901	902
137	902	903
138	903	905
139	905	906
140	901	908
141	908	906
142	902	904
143	902	905
144	904	905
145	901	907
146	907	910
147	903	908
148	908	911
149	906	909
150	909	912
151	901	1002
152	903	1002

153 903 1005
154 906 1005
155 901 1004
156 906 1004
157 1001 1002
158 1002 1003
159 1003 1005
160 1005 1006
161 1001 1004
162 1004 1006
163 1002 1004
164 1002 1005
165 1004 1005
166 1001 1007
167 1007 1010
168 1003 1006
169 1006 1011
170 1006 1009
171 1009 1012
172 101 201
173 103 203
174 106 206
175 201 301
176 203 303
177 206 306

178 301 401
179 303 403
180 506 406
181 401 501
182 403 503
183 406 506
184 501 601
185 503 603
186 506 656
187 601 651
188 603 653
189 651 701
190 653 703
191 656 706
192 701 801
193 703 803
194 706 806
195 801 901
196 803 903
197 806 906
198 901 1001
199 903 1003
200 906 1006
201 401 510
202 403 511

203 406 512
204 510 710
205 511 711
206 512 712
207 710 810
208 711 811
209 712 812
210 810 910
211 811 911
212 812 912
213 910 1010
214 911 1011
215 912 1012
216 1010 1110
217 1011 1111
218 1012 1112

MEMBER RELEASES

74 76 78 110 112 114 128 150 132 END MUM Y Z END FORCE Y Z

146 148 150 167 169 171 END MUM Y Z END FORCE Y Z

UNIT INCH LBS

MEMBER PROPERTIES PRISMATIC

41 TO 46 50 TO 55 AX 14,70 IX 1,25 IY 802, IZ 40,2 SY 89,1 SZ 10,7

47 TO 49 56 TO 58 AX 7,06 IX 343 IY 82,5 IZ 18,2 SY 20,8 SZ 5,61

59 TO 64 71 72 79 TO 81 100 101 TO 105 99 "

AX 19,24 IX 725,28 IY 361,64 IZ 361,64 SY 56,73 SZ 56,73

106 TO 108 "

AX 14,58 IX 558,82 IV 279,41 IZ 279,41 SY 43,83 SZ 43,83
124 TU 126 182 TO 184 163 TO 165 -
AX 16,05 IX 745,72 IV 372,86 IZ 372,86 SY 53,26 SZ 53,26
89 TO 92 -
AX 12,76 IX 211,48 IV 105,74 IZ 105,74 SY 24,52 SZ 24,52
85 TO 88 93 TO 95 -
AX 26,27 IX 649,2 IV 324,6 IZ 324,6 SY 60,39 SZ 60,39
65 TO 70 151 TO 156 -
AX 24,35 IX 1464,2 IV 732,1 IZ 732,1 SY 91,52 SZ 91,52
118 TO 123 136 TO 141 157 TO 162 -
AX 27,49 IX 2106,88 IV 1053,44 IZ 1053,44 SY 117,05 SZ 117,05
96 TO 98 115 TO 117 133 TO 135 -
AX 38,04 IX 3574,86 IV 1787,43 IZ 1787,43 SY 178,74 SZ 178,74
172 TO 180 -
AX 91,11 IX 19182,8 IV 9591,4 IZ 9591,4 SY 639,43 SZ 639,43
201 TO 206 213 TO 215 -
AX 221,29 IX 89816,8 IV 44908,4 IZ 44908,4 SY 2138,5 SZ 2138,5
207 TO 212 -
AX 251,33 IX 100808, IV 50404, IZ 50404, SY 2400,2 SZ 2400,2
216 TO 218 -
AX 136,46 IX 41260,8 IV 20630,4 IZ 20630,4 SY 1146,1 SZ 1146,1
181 TO 191 -
AX 141,37 IX 71804,9 IV 35802,4 IZ 35802,4 SY 1556,6 SZ 1556,6
192 TO 200 -
AX 71,47 IX 36995,4 IV 18497,7 IZ 18497,7 SY 804,25 SZ 804,25
82 TO 84 -
AX 27,49 IX 2106,88 IV 1053,44 IZ 1053,44 SY 117,05 SZ 117,05
73 TO 78 109 TO 114 127 TO 132 145 TO 150 166 TO 171 -
AX 50,0 IX 30000, IV 30000, IZ 30000, SY 3000, SZ 6000,
CONSTANTS
E 30000000, ALL
DENSITY 0,284 41 TO 64 79 TO 95 65 66 99 TO 101 108 118 119 126 136 137 144 -
157 158 165 172 TO 180

BANDWIDTH USING INITIAL JOINT NUMBERING

JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.
1	1110	0	2	1010	1	3	1007	1	4	910	2	5	1001	2	5	1001	2
6	907	2	7	810	3	8	1002	3	9	1004	4	10	901	4	10	901	5
11	807	4	12	710	5	13	1003	5	14	1005	6	15	903	6	15	903	7
16	1006	7	17	906	8	18	902	8	19	904	9	20	806	9	20	806	10
21	801	11	22	707	10	23	510	11	24	1006	11	25	908	11	25	908	10
26	905	11	27	803	12	28	1009	12	29	909	12	30	809	12	30	809	10
31	805	11	32	804	12	33	706	13	34	701	14	35	802	14	35	802	14
36	703	15	37	507	14	38	401	15	39	1011	15	40	911	15	40	911	15
41	808	14	42	1012	14	43	912	14	44	812	14	45	709	14	45	709	12
46	656	13	47	705	14	48	704	15	49	503	16	50	702	16	50	702	16
51	651	17	52	506	18	53	708	17	54	653	18	55	501	18	55	501	19
56	301	18	57	1111	18	58	811	18	59	1112	17	60	712	17	60	712	16
61	515	15	62	508	13	63	514	14	64	403	15	65	603	15	65	603	16
66	502	17	67	505	18	68	513	17	69	661	18	70	601	18	70	601	19
71	509	19	72	406	20	73	504	21	74	711	21	75	663	21	75	663	21
76	206	20	77	303	21	78	306	22	79	201	23	80	512	23	80	512	20
81	511	19	82	613	17	83	662	14	84	611	15	85	106	15	85	106	9
86	205	10	87	204	11	88	203	11	89	101	10	90	202	10	90	202	11
91	612	9	92	105	7	93	104	8	94	103	6	95	102	6	95	102	6

THE MAXIMUM BANDWIDTH IS 23 AND OCCURES AT JOINT 201
 THE AVERAGE BANDWIDTH IS 12.537
 THE STANDARD DEVIATION OF THE BANDWIDTH IS 5.554

NEW JOINT ORDER LIST TO PRODUCE IMPROVED BANDING

1110	1010	1007	910	1001	907	810	1002	901	807	710
1003	1005	903	1006	906	902	904	806	707	510	1008
908	905	803	1009	909	809	805	804	701	802	703
507	401	1011	911	808	1012	912	709	656	705	704
503	702	651	506	708	653	501	301	811	1112	712
515	508	514	403	603	502	505	513	601	509	406
504	711	663	206	303	306	201	512	613	662	611
106	205	204	205	101	202	612	105	103	102	

BANDWIDTH AFTER INTERNALLY RENUMBERING STRUCTURE

* JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.
1	1110	0	2	1010	1	3	1007	1	4	910	2	5	1001	2
6	907	2	7	810	3	8	1002	3	9	1004	4	10	901	5
11	807	4	12	710	5	13	1003	5	14	1005	6	15	903	7
16	1006	7	17	906	8	18	902	8	19	904	9	20	806	10
21	801	11	22	707	10	23	510	11	24	1008	11	25	908	10
26	905	11	27	803	12	28	1009	12	29	909	12	30	809	10
31	605	11	32	804	12	33	706	13	34	701	14	35	802	14
36	703	15	37	507	14	38	401	15	39	1011	15	40	911	15
41	808	14	42	1012	14	43	912	14	44	812	14	45	709	12
46	656	13	47	705	14	48	704	15	49	503	16	50	702	16
51	651	17	52	506	18	53	708	17	54	653	18	55	501	19
56	301	18	57	1111	18	58	811	18	59	1112	17	60	712	16
61	515	15	62	508	13	63	514	14	64	403	15	65	603	16
66	502	17	67	505	18	68	513	17	69	661	18	70	601	19
71	509	19	72	406	20	73	504	21	74	711	21	75	663	21
76	206	20	77	303	21	78	306	22	79	201	23	80	512	20
81	511	19	82	613	17	83	662	14	84	611	15	85	106	9
86	205	10	87	204	11	88	203	11	89	101	10	90	202	11
91	612	9	92	105	7	93	104	8	94	103	6	95	102	6

THE MAXIMUM BANDWIDTH IS 23 AND OCCURS AT JOINT 201
 THE AVERAGE BANDWIDTH IS 12.537
 THE STANDARD DEVIATION OF THE BANDWIDTH IS 5.554

TIME FOR CONSISTENCY CHECKS 0.78 SECONDS.
 TIME TO GENERATE 178 ELEMENT STIF. MATRICES 1.30 SECONDS.
 TIME TO PROCESS MEMBER RELEASES 0.06 SECONDS
 TIME TO ASSEMBLE THE STIFFNESS MATRIX 3.33 SECONDS
 DEAD LOAD APPLIED TO JOINT 1110 5549.719 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 1010 25938.552 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 1007 28.938 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 910 42208.660 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 1001 18962.758 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 907 28.938 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 810 40924.648 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 1002 10609.203 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 1004 11588.656 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 901 43568.656 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 807 28.938 POUNDS ✓
 DEAD LOAD APPLIED TO JOINT 710 35021.695 POUNDS ✓

DEAD LOAD APPLIED TO JOINT 904	19787.609 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 906	43986.242 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 902	4918.473 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 908	5904.473 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 806	40996.000 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 801	40759.152 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 707	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 510	18803.129 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1008	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 908	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 905	5904.473 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 803	40308.461 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1009	24,890 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 909	24,890 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 809	28,890 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 805	4908.734 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 804	4908.734 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 706	27557.880 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 701	30846.754 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 802	4084.820 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 703	26883.199 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 507	24,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 401	9896.918 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1011	25533.352 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 911	42208.660 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 808	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1012	25938.480 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 912	42208.527 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 812	40924.652 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 709	28,890 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 656	15290.152 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 705	2854.658 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 704	2854.658 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 503	11373.055 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 702	2637.746 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 651	12046.922 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 506	18550.715 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 708	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 653	12046.922 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 501	11452.137 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 301	9725.125 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1111	5549.719 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 411	40924.648 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1112	5549.461 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 712	35022.590 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 515	941.528 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 508	28,938 POUNDS ✓

DEAD LOAD APPLIED TO JOINT 514	941,299 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 403	10014,379 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 603	10669,531 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 502	2617,854 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 505	3031,822 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 513	941,299 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 601	1152,264 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 601	10669,531 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 509	28,840 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 406	9896,340 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 504	3031,822 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 711	35021,695 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 603	1152,264 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 206	6454,367 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 303	9725,922 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 506	9724,988 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 201	6454,211 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 512	18803,172 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 511	18864,285 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 613	1159,413 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 602	1308,612 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 611	1159,413 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 106	3055,301 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 205	1075,113 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 204	1075,113 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 203	6454,094 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 101	3055,027 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 202	1075,139 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 612	1233,361 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 105	1075,113 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 104	1075,113 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 103	3055,027 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 102	1075,139 POUNDS ✓
TIME TO PROCESS 95 JOINTS	1.95 SECONDS.

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GRUSS #EIGHT OF STRUCTURE 1184405,000 POUNDS

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TIME TO SOLVE WITH 32 PARTITIONS	12.14 SECONDS
TIME TO PROCESS 95 JOINT DISPLACEMENTS	0.16 SECONDS.
TIME TO PROCESS 178 MEMBER DISTORTIONS	2.00 SECONDS.
TIME FOR STATICS CHECK	0.84 SECONDS.

LIST DISPLACEMENTS ALL

 RESULTS OF LATEST ANALYSES

PROBLEM = ACMR TITLE = DYNAMIC ANALYSIS OF TRIPUD STRUCTURE AT 105 FT WATER =U.S.NAVY

ACTIVE UNITS INCH LB RAD FMR SEC LBM

LOADING = DEAD VIBRATING IN THE X-DIRECTION

RESULTANT JOINT DISPLACEMENTS = SUPPORTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110	0.0	0.0	0.0	0.0048336	0.0177109	-0.0010835
1111	0.0	0.0	0.0	-0.0048769	0.0178389	-0.0009806
1112	0.0	0.0	0.0	-0.0001279	0.0095566	0.0005113

RESULTANT JOINT DISPLACEMENTS = FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010	2.6651459	-0.6137309	0.3710058	0.0009219	0.0086170	-0.0008914
1007	3.3567214	0.2714761	-0.3967080	-0.0014025	0.0033446	-0.0000761
910	4.0031834	0.0312270	0.4237088	-0.0016614	0.0012118	-0.0006543
1001	5.5509449	0.2610421	-0.5288583	-0.0007675	0.0029776	0.0000451
907	4.1775959	0.1272576	-0.2273594	-0.0005800	0.0021647	0.0000547
810	4.6179495	0.5094823	0.4154641	-0.0000055	0.0009413	-0.0004019
1002	3.4867401	0.0248294	-0.0423702	0.0001388	0.0002024	0.0006782
1004	5.5445587	0.1169334	-0.1214807	-0.0007127	0.0014577	0.0003623
901	4.1607189	0.1259617	-0.1806650	-0.0000907	0.0018836	0.0001480
807	4.6030006	0.1414164	-0.0038395	-0.0001648	0.0005955	0.0000408
710	4.6395178	0.2597544	0.3544977	0.0003744	-0.0006143	-0.0002262
1003	3.3558259	-0.2160825	0.5385414	0.0009198	0.0032449	0.0001863

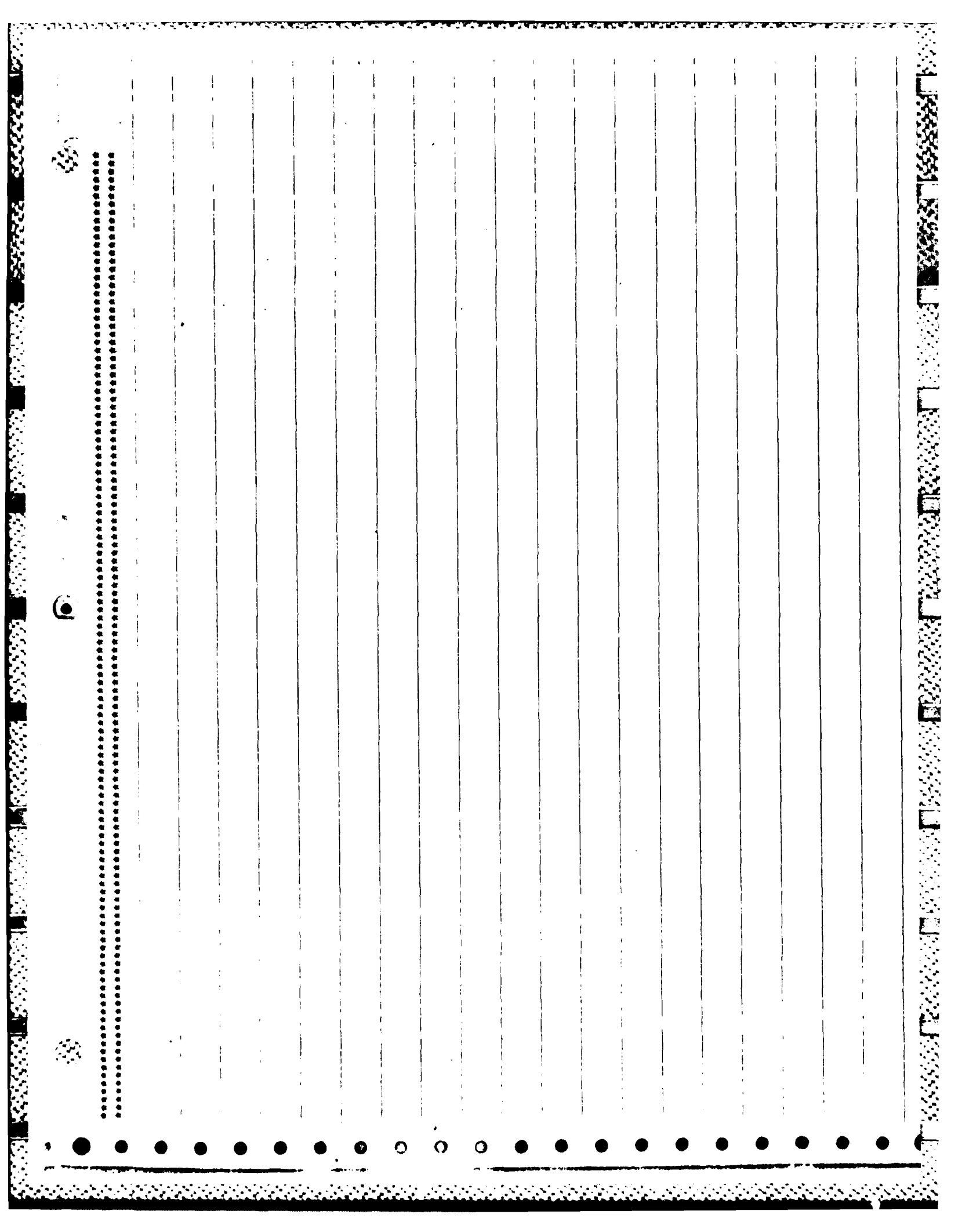
RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

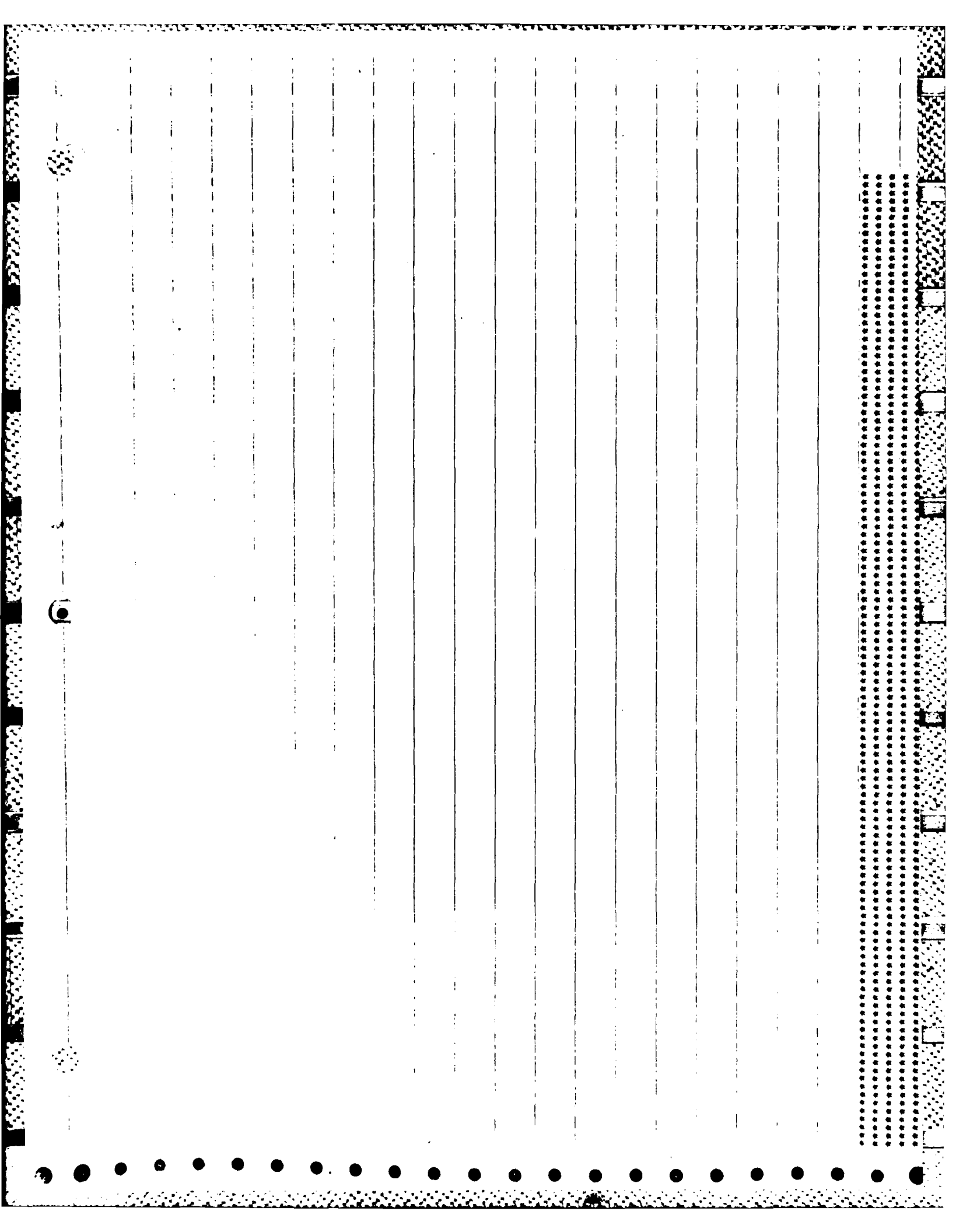
JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1005	3.3443042	-0.00675365	0.1652127	0.0007681	0.0015559	0.0004046
903	4.2360587	-0.01766301	0.1852736	0.0002772	0.0018991	0.0003738
1006	3.1475515	0.0271767	-0.0125466	-0.0001808	0.0045241	0.0008348
906	3.9369707	0.0625505	0.0069480	0.0000943	0.0021240	0.0004022
902	4.2105827	0.0315625	-0.0005005	0.0000339	-0.0000531	0.0005261
904	4.0910976	0.0113634	-0.1315830	-0.0006199	0.0009234	0.0003864
905	4.0975967	0.0625377	0.0150683	-0.0004436	0.0014424	0.0000026
901	4.0002302	0.1390961	0.0093409	-0.0000747	0.0005435	0.0000580
707	4.5913649	0.1205352	0.1839420	0.0002658	-0.0004925	-0.0001304
510	4.4275618	0.1024383	0.2700714	0.0004798	-0.0006220	-0.0002182
1008	3.3051128	-0.02508977	0.4108524	0.0014729	0.0035648	0.0000807
908	4.2758265	-0.01849395	0.2296463	0.0006567	0.0021171	0.0003014
905	4.0416450	-0.0472547	0.1276850	0.0005400	0.0010138	0.0006482
903	4.6673460	-0.01586299	-0.0233406	-0.0008352	0.0005098	0.0004104
1009	3.1447344	0.0281827	-0.0179999	-0.0001807	0.0038477	0.0010540
909	3.9353504	0.0616255	-0.0041463	0.0000942	0.0031641	0.0005777
809	4.5746167	0.0657162	0.019242	-0.0004435	0.0014074	-0.0000032
805	4.3443611	-0.0152424	0.0100772	0.0006149	-0.0000705	0.0005230
804	4.5440340	0.0969822	-0.0080191	-0.0002976	0.0003289	0.0003320
706	4.9145756	0.2718828	0.0403952	-0.0002490	0.0000157	-0.0007834
701	4.5950384	0.1256479	0.1749715	0.0001489	-0.0004251	-0.0001527
802	4.9353431	0.0405804	0.0010931	-0.0001820	-0.0003434	0.0005736
703	4.6202393	0.3547885	-0.2152577	0.0006080	-0.0004395	-0.0000521
507	4.4216194	0.0859720	0.2492636	0.0004044	-0.0005612	-0.0002505
401	4.4364383	0.0793602	0.2560577	0.0003927	-0.0004726	-0.0002445
1011	2.6864022	0.6225640	-0.3751124	-0.0009388	0.0087739	-0.0007948
911	4.0917252	0.0103714	-0.4327606	0.0016023	0.0010980	-0.0005287
408	4.6760443	-0.1451740	0.0024551	-0.0006084	0.0006404	0.0003671
1012	1.5941173	0.0245986	0.0041082	-0.0001543	0.0073617	0.0001453
912	4.0642223	0.0547954	0.0098266	0.0006672	0.0044281	-0.0003374
812	5.2147344	0.0652313	0.0109082	-0.0004044	0.0015078	-0.0008141
709	4.9351037	0.2721060	0.327597	-0.0002491	-0.0004051	-0.0008531
606	4.8053619	0.2844247	0.0440316	-0.0000725	-0.0002054	-0.0008835
705	4.7363524	0.3318510	-0.0888811	0.0004739	-0.0009914	-0.0007027
704	4.7362356	0.1873512	0.1081849	0.0000260	-0.0007449	-0.0007993
503	4.4731960	0.3467315	-0.2421835	-0.0000108	-0.0004383	-0.0002180
702	4.6066082	0.2544773	-0.0161144	0.0000430	-0.0010746	-0.0006643
601	4.5538540	0.1199096	0.1947321	0.0000946	-0.0005113	-0.0001756
506	4.7553720	0.2706572	0.0451259	0.0001461	-0.0007144	-0.0011283
708	4.6172457	0.3591055	-0.2175724	-0.0006952	-0.0004897	-0.0000355
603	4.5804014	0.3785481	-0.2372136	-0.0000805	-0.0004562	-0.0001494
501	4.8277849	0.0946435	0.2406576	0.0003202	-0.0005123	-0.0002667
501	4.4979506	0.0169744	0.2491922	0.0000877	-0.0004492	-0.0005187
811	4.5959787	-0.1492488	-0.4236566	-0.0006321	0.0010270	-0.0002088

RESULTANT JOINT DISPLACEMENTS • FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
712	5.2235794	0.2690465	0.0448387	-0.0004042	-0.0007817	-0.0011877
518	4.7962360	0.2707062	0.0456825	0.0000103	-0.0006233	-0.0011159
505	4.4093604	0.3533713	-0.2937381	-0.0002054	-0.0005506	-0.0001809
514	4.4654000	0.5534012	-0.2534372	-0.0000482	0.0005850	-0.0001984
403	4.4050036	0.3444944	-0.2937041	-0.0001664	-0.0005099	-0.0001666
503	4.5063685	0.3564664	-0.2669873	0.0001049	-0.0004621	-0.0002225
502	4.4509182	0.2510754	-0.0234407	0.0001944	-0.0018841	-0.0008731
505	4.5426092	0.3270940	-0.1241445	0.0005277	-0.0013987	-0.0008073
513	4.4238777	0.0871951	0.2102934	0.0008280	0.0004407	-0.0002156
601	4.5654350	0.1199507	0.2031454	-0.0002287	0.0006204	0.0003315
601	4.4693556	0.1068349	0.2247269	0.0001461	-0.0009257	-0.0002278
509	4.7657122	0.2703503	0.0495737	0.0001677	-0.0008522	-0.0011889
406	4.7046070	0.2621595	0.0437027	-0.0000578	-0.0013732	-0.0010652
504	4.5818420	0.1763951	0.1468620	-0.0000578	-0.0004202	-0.0000632
711	4.7132111	0.1318598	-0.3977242	-0.0008600	-0.0006097	-0.0002280
603	4.5676737	0.3785069	-0.2544823	0.0004365	-0.0006097	-0.0002280
206	4.5726471	0.1512271	0.0447244	0.0002214	-0.0012854	-0.0010679
303	4.519251	0.3197930	-0.2855056	0.0002770	-0.0004629	-0.0004463
306	4.7559146	0.1970638	0.0436392	0.0002122	-0.0003628	-0.0010947
201	4.5014727	-0.0065052	0.2467685	0.0001701	-0.0012945	-0.0005719
512	4.7494540	0.2714600	0.0452480	0.0001764	-0.0011301	-0.0012396
511	4.4789906	0.5336905	-0.3137893	-0.0003165	-0.0007959	-0.0001173
413	4.44349058	0.3568903	-0.2436778	-0.0003922	-0.0006350	-0.0004359
602	4.5673962	0.2140247	-0.0268950	0.0001112	-0.0007348	-0.0009237
511	4.4420757	0.1088162	0.1915716	0.0004444	-0.0006788	0.0003052
106	4.3503580	0.1033727	0.0447323	0.0002838	-0.0012213	-0.0010577
205	4.4390163	0.2167305	-0.1190060	0.0002660	-0.0015282	-0.0007956
204	4.4399791	0.0732571	0.1437771	0.0001441	-0.0015145	-0.0009040
203	4.3242493	0.2709542	-0.2842528	0.0002167	-0.0013327	-0.0004855
101	4.0997915	-0.0405190	0.2466751	0.0001867	-0.0010668	-0.0005818
202	4.5132582	0.1449592	-0.0171024	0.0001932	-0.0016302	-0.0008979
612	4.4430444	0.1995844	-0.0264956	0.0000942	-0.0007916	-0.0009323
105	4.2258242	0.1743397	-0.1261463	0.0002571	-0.0016021	-0.0008323
104	4.2258434	0.0316717	0.1456409	0.0001029	-0.0015498	-0.0008239
103	4.1010675	0.2450500	-0.2441673	0.0001170	-0.0012226	-0.0004983
102	4.1068224	0.1030183	-0.0120472	0.0001347	-0.0011714	-0.00009192

FINISH





ASP JOB NO. = 1355

DATE = 76,109

//CEC5655 JOB (00042705002777101PCETENG96), 'ICHERN', PRTY=H, CLASS=D, C1353

ELAPSED TIME ON MAIN = A = 014.92, START TIME = 10,27.18

DDNAME = SYSMSC

PRINTED ON RM027PH1, LINES = 000123

DDNAME = FT0AF001

PRINTED ON RM027PH1, LINES = 000798

LINES OUTPUT FOR THIS JOB = 000921

CARDS FROM MAIN FOR THIS JOB = NONE


```

13V40 JOB ORIGIN FROM GROUP=HQ27 , DSP=CR , DEVICE=RM027R01, 0A3
//LECS655 JOB (0044270500277710)PCETENG96), 'CHEMN ', PRTY=4, CLASS=D, C
// TIME=1060, 00), REGION=500K
//MAIN LINES=(000, *), CARDS=(00, C), SYSTEM=A, FAILURE=RESTART
//INI5656 EXEC WINI5656
//INI5656, SVSIN, DD *
//

```

```

AM901 JOB 9595 (LECS655 ) IN SETUP ON MAIN=A
AM902 STEPLIB USING D UNL001 UN 100
LECS655 IEF403I LECS655 STARTED TIME=18,00,55
LECS655 IEF234E D 6RC,ASP08C
*LECS655 69 IECASPO 68A 18 LECS655 A WINI5656WINI5656FT06F001
*LECS655 63 IECASPO 689 18 LECS655 WINI5656WINI5656ASPI0001
LECS655 IEC202E K 689,019595,NL,LECS655,WINI5656
LECS655 TI=LECS655 CC00042705 P2777101 P JSCETENG96 M=CHEMN A=9595
LECS655 IEF404I LECS655 ENDED TIME=18,08,54
//LECS655 JOB (0044270500277710)PCETENG96), 'CHEMN ', PRTY=4, CLASS=D, *
// TIME=(060,00), REGION=500K
//INI5656 EXEC WINI5656
XX=INI5656 EXEC PGM=UJICEX5, PARM=00000
XXSTEPLIB DD DISP=SHR, UNIT=SYSDA, VOL=SER=UNL001, DSN=MAC, ICESV2P3
XX DD DISP=SHR, UNIT=SYSDA, VOL=SER=UNL001,
XX DSN=ICES, STRUOL, FIX
XX DD DISP=SHR, UNIT=SYSDA, VOL=SER=ONL001,
XX USNAME=MAC, SDOUWANG
XX DD DISP=SHR, UNIT=SYSDA, VOL=SER=ONL001,
XX DSN=EMMAC, STR2P5
XX DD DISP=SHR, UNIT=SYSDA, VOL=SER=ONL001,
XX USNAME=MAC, TABLE2P5
XXFT05F001 DD DONAME=SYSIN
XXFT06F001 DD SYSOUT=A, DCH=(RECFM=FB, LRECL=135, BLKSIZE=798)
XXFT07F001 DD SYSOUT=B
XXFT09F001 DD DUMMY
XX001 DD UNIT=SYSDA, DCH=90RG=DA, SPACE=(TRK, 10)
XX002 DD DSN=EMMAC, STR2P5, DD2, DISP=SHR, DCH=DSURGEDA, UNIT=SYSDA,
XX VOL=SER=ONL001
XX003 DD DSN=DD3, SDOUWANG, DISP=SHR, DCB=DSURGEDA, UNIT=SYSDA,
XX VOL=SER=ONL001
XX004 DD UNIT=SYSDA, DCB=(DSURGEDA, BLKSIZE=6300), SPACE=(6300, (500, 50))
//INI5656, SVSIN, DD UNIT=(CTC, DEFER), DSN=EMMACASPI0001,
// DISP=(OLD, DELETE), VOL=SER=019595, DCH=(LRECL=80, BLKSIZE=80, RECFM=FB)
//
IEF236I ALLUC. FOR LECS655 WINI5656 WINI5656
IEF237I 100 ALLOCATED TO STEPLIB
IEF237I 100 ALLOCATED TO
IEF237I 100 ALLOCATED TO
IEF237I 100 ALLOCATED TO
IEF237I 100 ALLOCATED TO
IEF237I 699 ALLOCATED TO FT05F001
IEF237I 68A ALLOCATED TO FT06F001
IEF237I 68B ALLOCATED TO FT06F002
IEF237I 68C ALLOCATED TO FT07F001
IEF237I 281 ALLOCATED TO DD1
IEF237I 100 ALLOCATED TO DD2
IEF237I 100 ALLOCATED TO DD3
IEF237I 283 ALLOCATED TO DD4

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* MCDUNNELL-ECI ICES EXECUTIVE SYSTEM *
* * * * *

* MAC REL. 2.3 - RELEASED 2/5/73 *
* TIME=18.01.01, 7/08/76 *
* * * * *

807	24.96	-14.41	64.41
710	18.76	-10.83	91.99
1003	-32.04	-18.50	0.0
1005	-16.02	9.25	0.0
903	-27.42	-15.83	32.00
1006	0.	37.00	0.0
906	0.	31.66	32.00
902	0.	-15.83	32.00
904	13.71	7.91	32.00
806	0.	26.32	64.00
801	22.79	-13.16	64.00
707	20.93	-12.08	92.41
510	15.15	-8.75	116.99
1008	-34.21	-19.75	0.41
908	-29.59	-17.08	32.41
905	-13.71	7.91	32.00
803	-22.79	-13.16	64.00
1009	0.	39.50	0.41
909	0.	34.16	32.41
809	0.	28.82	64.41
805	-11.40	6.58	64.00
804	11.40	6.58	64.00
706	0.	21.66	92.0
701	18.76	-10.83	92.0
802	0.	-13.16	64.00

703	-10.76	-10.83	92.0
507	17.32	-10.00	117.41
431	14.50	-8.37	121.5
1011	-32.04	-14.50	-0.01
911	-27.42	-15.83	31.99
809	-24.96	-14.41	64.41
1012	0.	37.00	-0.01
912	0.	31.66	31.99
		20.32	63.99
709	0.	24.16	92.41
856	0.	20.49	99.00
705	-9.38	5.41	92.0
704	9.38	5.41	92.0
503	-15.15	-8.75	117.0
702	0.	-10.83	92.0
651	17.74	-10.25	99.00
506	0.	17.49	117.0
708	-20.93	-12.08	92.41
653	-17.74	-10.25	99.00
501	15.15	-8.75	117.0
301	14.50	-8.37	150.0
1111	-34.21	-19.75	-15.00
811	-22.79	-13.16	63.99
1112	0.	39.50	-15.00
712	0.	21.66	91.99

515	0,	20,49	117,00
508	-17,32	-10,00	117,41
514	-17,74	-10,25	117,00
403	-14,	-8,37	121,5
603	-16,01	-9,25	111,00
502	0,	-8,75	117,0
505	-7,575	4,37	117,0
513	17,74	-10,25	117,00
661	17,74	-15,25	99,00
601	16,01	-9,25	111,00
509	0,	19,99	117,41
406	0,	16,74	121,5
504	7,575	4,37	117,0
711	-18,76	-10,83	91,99
663	-17,74	-15,25	99,00
206	0,	16,74	165,0
201	14,50	-8,37	165,0
303	-14,50	-8,37	150,0
306	0,	16,74	150,0
512	0,	17,49	116,99
511	-15,15	-8,75	116,99
613	-16,01	-15,25	111,00
662	0,	-15,25	99,00
611	16,01	-15,25	111,00
205	-7,25	4,18	165,0

204	7.25	4.16	165.0
202	0.	-8.37	165.0
203	-16.50	-8.37	165.0
612	0.	-15.25	111.00
101	14.50	-8.37	180.0
102	0.	-8.37	180.0
103	-14.50	-8.37	180.0
104	7.25	4.16	180.0
105	-7.25	4.16	180.0
106	0.	16.74	180.0

JOINT RELEASES

1110 1111 1112 MOM X MOM Y MOM Z

MEMBER INCIDENCES

41	101	102
42	102	103
43	103	105
44	105	106
45	101	104
46	104	106
47	102	104
48	102	105
49	104	105
50	201	202
51	202	203
52	203	205

53	205	206
54	201	204
55	204	206
56	202	204
57	202	205
58	204	205
59	201	303
60	203	306
61	206	301
62	301	303
63	303	306
64	301	306
65	501	502
66	502	503
67	503	505
68	505	506
69	501	504
70	504	506
71	502	504
72	502	505
73	501	507
74	507	510
75	503	508
76	508	511
77	506	509

70	509	512
79	501	513
80	503	514
81	506	515
82	513	651
83	514	653
84	515	656
85	601	611
86	603	613
87	651	661
88	653	663
89	611	612
90	612	613
91	601	602
92	662	663
93	611	601
94	612	602
95	613	663
96	501	703
97	503	706
98	506	701
99	701	702
100	504	505
101	702	703
102	703	705

103	705	706
104	701	704
105	704	706
106	702	704
107	702	705
108	704	705
109	701	707
110	707	710
111	703	708
112	708	711
113	706	709
114	709	712
115	701	806
116	703	801
117	701	803
118	801	802
119	802	803
120	803	805
121	805	806
122	801	804
123	804	806
124	802	804
125	802	805
126	804	805
127	801	807

128 607 610
129 603 606
130 606 611
131 606 609
132 609 612
133 801 903
134 803 906
135 806 901
136 901 902
137 902 903
138 903 905
139 905 906
140 901 904
141 904 906
142 902 904
143 902 905
144 904 905
145 901 907
146 907 910
147 903 908
148 908 911
149 906 909
150 909 912
151 901 1002
152 903 1002

153	903	1005
154	906	1005
155	901	1004
156	906	1004
157	1001	1002
158	1002	1003
159	1003	1005
160	1005	1006
161	1001	1004
162	1004	1006
163	1002	1004
164	1002	1005
165	1004	1005
166	1001	1007
167	1007	1010
168	1003	1008
169	1008	1011
170	1006	1009
171	1009	1012
172	101	201
173	103	203
174	106	206
175	201	301
176	203	303
177	206	306

178	301	401
179	303	403
180	306	406
181	401	501
182	403	503
183	406	506
184	501	601
185	503	603
186	506	656
187	601	651
188	603	653
189	651	701
190	653	703
191	656	706
192	701	801
193	703	803
194	706	806
195	801	901
196	803	903
197	806	906
198	901	1001
199	903	1003
200	906	1006
201	401	510
202	403	511

203 406 512
 204 510 710
 205 511 711
 206 512 712
 207 710 810
 208 711 811
 209 712 812
 210 810 910
 211 811 911
 212 812 912
 213 910 1010
 214 911 1011
 215 912 1012
 216 1010 1110
 217 1011 1111
 218 1012 1112

MEMBER RELEASES

74 76 78 110 112 114 128 130 132 END MOM Y Z END FORCE Y Z

146 148 150 167 169 171 END MOM Y Z END FORCE Y Z

UNIT INCH LBS

MEMBER PROPERTIES PRISMATIC

41 TO 46 50 TO 55 AX 14.70 IX 1.25 IY 802. IZ 40.2 8Y 89.1 8Z 10.7

47 TO 49 56 TO 58 AX 7.06 IX .343 IY 82.5 IZ 18.2 8Y 20.8 8Z 5.61

59 TO 64 71 72 79 TO 81 100 101 TO 105 99 =

AX 19.24 IX 723.28 IY 361.64 IZ 361.64 8Y 56.73 8Z 56.73

106 TO 108 =

AX 14,58 IX 558,82 IY 279,41 IZ 279,41 SY 43,83 SZ 43,83
 126 TU 126 142 TO 144 163 TO 165 -
 AX 16,05 IX 745,72 IY 372,86 IZ 372,86 SY 53,26 SZ 53,26
 89 TO 92 -
 AX 12,76 IX 211,48 IY 105,74 IZ 105,74 SY 24,52 SZ 24,52
 95 TO 88 93 TO 95 -
 AX 26,27 IX 649,2 IY 324,6 IZ 324,6 SY 60,39 SZ 60,39
 65 TO 70 151 TO 156 -
 AX 24,35 IX 1484,2 IY 732,1 IZ 732,1 SY 91,52 SZ 91,52
 118 TO 123 136 TO 141 157 TO 162 -
 AX 27,49 IX 2106,88 IY 1053,44 IZ 1053,44 SY 117,05 SZ 117,05
 96 TO 98 115 TO 117 133 TO 135 -
 AX 38,04 IX 3574,86 IY 1787,43 IZ 1787,43 SY 178,74 SZ 178,74
 172 TO 180 -
 AX 91,11 IX 19182,8 IY 9591,4 IZ 9591,4 SY 639,43 SZ 639,43
 201 TO 206 213 TO 215 -
 AX 221,29 IX 89816,8 IY 44908,4 IZ 44908,4 SY 2138,5 SZ 2138,5
 207 TO 212 -
 AX 251,33 IX 100808, IY 50404, IZ 50404, SY 2400,2 SZ 2400,2
 216 TO 218 -
 AX 156,46 IX 41260,8 IY 20630,4 IZ 20630,4 SY 1146,1 SZ 1146,1
 181 TO 191 -
 AX 141,37 IX 71604,9 IY 35802,4 IZ 35802,4 SY 1556,6 SZ 1556,6
 192 TO 200 -
 AX 71,47 IX 36995,4 IY 18497,7 IZ 18497,7 SY 804,25 SZ 804,25
 82 TO 84 -
 AX 27,49 IX 2106,88 IY 1053,44 IZ 1053,44 SY 117,05 SZ 117,05
 73 TO 78 109 TO 114 127 TO 132 145 TO 150 166 TO 171 -
 AX 50,0 IX 30000, IY 30000, IZ 30000, SY 3000, SZ 6000,

CONSTANTS

E 3000000, ALL

DENSITY 0,284 41 TO 64 79 TO 95 172 TO 180

DENSITY 0.019 73 TO 76 109 TO 114 127 TO 132 145 TO 150 166 TO 171

DENSITY 0.073 201 TO 206 215 TO 215

DENSITY 0.386 207 TO 212 216 TO 218

DENSITY 0.672 181 TO 191

DENSITY 1.087 192 TO 200

DENSITY 0.401 65 66 96 116 133 151 152

DENSITY 0.405 99 7 101

DENSITY 0.362 67 TO 70

DENSITY 0.344 71 72 102 TO 105

DENSITY 0.451 106

DENSITY 0.367 106 107

DENSITY 0.462 116 119 136 137 157 158

DENSITY 0.469 126 144 165

DENSITY 0.373 120 TO 123 156 TO 141 159 TO 162

DENSITY 0.376 124 125 142 143 163 164

DENSITY 0.335 97 98 115 117 134 135

DENSITY 0.339 153 TO 156

LOADING 'DEAD' VIBRATING IN Y-DIRECTION

DEAD LOAD Y 1.0

LOADING LIST ALL

STIFFNESS ANALYSIS REDUCED

BANDWIDTH USING INITIAL JOINT NUMBERING

JOINT NO.	JOINT ID	HAND	JOINT NO.	JOINT ID	BAND	JOINT NO.	JOINT ID	BAND	JOINT NO.	JOINT ID	BAND	JOINT NO.	JOINT ID	BAND
1	1110	0	2	1010	1	1	1007	1	4	910	2	5	1001	2
6	907	2	7	610	3	6	1002	3	9	1004	4	10	901	5
11	807	4	12	710	5	13	1003	5	14	1005	6	15	903	7
16	1006	7	17	906	8	18	902	8	19	904	9	20	806	10
21	801	11	22	707	10	23	510	11	24	1008	11	25	908	10
26	905	11	27	803	12	28	1009	12	29	909	12	30	809	10
31	805	11	32	804	12	33	706	13	34	701	14	35	802	14
36	703	15	37	507	14	38	401	15	39	1011	15	40	911	15
41	608	14	42	1012	14	43	912	14	44	812	14	45	709	12
46	656	13	47	705	14	48	704	15	49	503	16	50	702	16
51	651	17	52	506	18	53	708	17	54	653	18	55	501	19
56	301	18	57	1111	18	58	811	18	59	1112	17	60	712	16
61	515	15	62	509	13	63	514	14	64	403	15	65	603	16
66	502	17	67	505	18	68	513	17	69	661	18	70	601	19
71	509	19	72	406	20	73	504	21	74	711	21	75	663	21
76	206	20	77	201	21	78	303	22	79	306	23	80	512	20
81	511	19	82	613	17	83	662	14	84	611	15	85	205	9
86	204	10	87	202	10	88	203	10	89	612	7	90	101	13
91	102	1	92	103	4	93	104	3	94	105	3	95	106	19

THE MAXIMUM BANDWIDTH IS 23 AND OCCURS AT JOINT 306
 THE AVERAGE BANDWIDTH IS 12.442
 THE STANDARD DEVIATION OF THE BANDWIDTH IS 5.843

NEW JOINT ORDER LIST TO PRODUCE IMPROVED HANDING

1110	1010	1007	910	1001	907	810	1002	1004	901	807	710
1003	1005	903	1006	906	902	904	806	801	707	510	1008
908	905	803	1009	909	809	805	804	706	701	802	703
507	401	1011	911	808	1012	912	812	709	656	705	704
503	702	651	506	708	653	501	301	1111	811	1112	712
515	508	514	403	603	502	505	513	661	601	509	406
504	711	603	206	303	306	201	512	511	613	611	611
106	205	204	203	101	202	612	105	104	103	102	

DEAD LOAD APPLIED TO JOINT 1003	19549,352 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1005	10732,500 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 903	44846,145 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1006	19079,416 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 906	42372,965 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 902	6164,211 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 904	5604,801 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 806	39565,238 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 801	42554,211 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 707	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 510	19803,129 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1008	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 908	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 905	5604,801 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 803	39898,813 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1009	28,890 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 909	28,890 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 809	28,890 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 805	4659,695 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 804	4659,695 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 706	22006,328 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 701	29808,012 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 802	5124,078 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 703	26206,961 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 507	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 401	9896,918 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1011	25938,352 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 911	42208,660 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 808	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1012	25938,480 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 912	42208,527 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 812	40924,652 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 709	28,890 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 656	15290,152 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 705	2832,114 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 704	2832,114 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 503	11238,180 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 702	2958,397 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 651	12046,922 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 509	17942,203 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 708	28,938 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 653	12046,922 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 501	12202,984 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 301	9725,125 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1111	5549,719 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 811	40924,648 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1112	5549,461 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 712	35022,590 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 515	941,528 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 508	28,938 POUNDS ✓

DEAD LOAD APPLIED TO JOINT 514	981,299 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 603	10014,379 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 603	10669,531 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 502	3155,068 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 505	2912,415 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 513	981,299 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 661	1152,264 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 601	10669,531 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 509	28,890 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 406	9896,340 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 504	2912,415 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 711	35021,695 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 603	1152,264 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 206	6454,367 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 303	9725,922 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 306	9724,980 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 201	6454,211 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 512	18803,172 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 511	18864,285 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 613	1159,413 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 602	1308,612 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 611	1159,413 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 106	3055,301 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 205	1075,113 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 204	1075,113 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 203	6454,094 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 101	5055,027 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 202	1075,139 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 612	1233,361 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 105	1075,113 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 104	1075,113 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 103	3055,027 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 102	1075,139 POUNDS ✓
TIME TO PROCESS 95 JOINTS	1.95 SECONDS.

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GROSS WEIGHT OF STRUCTURE 1186254,000 POUNDS

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TIME TO SOLVE WITH 32 PARTITIONS	11.95 SECONDS
TIME TO PROCESS 95 JOINT DISPLACEMENTS	0.15 SECONDS.
TIME TO PROCESS 178 MEMBER DISTORTIONS	2.00 SECONDS.
TIME FOR STATICS CHECK	0.83 SECONDS.

LIST DISPLACEMENTS ALL

 RESULTS OF LATEST ANALYSES

PROBLEM = ACMR TITLE = DYNAMIC ANALYSIS OF TRIPPOD STRUCTURE AT 105 FT WATER --U.S.NAVY

ACTIVE UNITS INCH LB RAD FMR SEC LBM

LOADING = DEAD VIBRATING IN Y-DIRECTION

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110 GLOBAL	0.0	0.0	0.0	-0.0122533	-0.0050375	-0.0024998
1111 GLOBAL	0.0	0.0	0.0	-0.0124526	0.0046090	-0.0000919
1112 GLOBAL	0.0	0.0	0.0	-0.0206777	0.0005758	-0.0015376

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010 GLOBAL	-0.6367483	1.9974012	-0.2208859	-0.0077158	-0.0010865	-0.0021724
1007 GLOBAL	0.1386565	3.5152473	0.2413847	-0.0052782	0.0013268	-0.0003595
910 GLOBAL	-0.0204961	4.1337967	-0.2598452	-0.0030543	0.0016681	-0.0017293
1001 GLOBAL	0.1520595	3.5017529	0.1957388	-0.0042569	0.0007592	-0.0001647
907 GLOBAL	0.0316048	4.3484221	0.1272035	-0.0028411	0.0006519	-0.0000551
810 GLOBAL	0.2454944	5.0471287	-0.2463524	-0.0008353	-0.0000216	-0.0012711
1002 GLOBAL	0.0674202	3.4194984	0.1096980	-0.0019352	-0.0000091	0.0005226
1004 GLOBAL	-0.0751481	3.4951115	-0.1548115	-0.0007351	0.0008640	0.0006736
901 GLOBAL	0.0319715	4.3342686	0.1021340	-0.0020224	0.0001819	0.0001011
807 GLOBAL	0.0744768	4.7419701	-0.0137452	-0.0007652	0.0001310	-0.0002193
710 GLOBAL	0.2225359	5.0251284	-0.2167550	0.0010409	-0.0004875	-0.0009833
1003 GLOBAL	0.0023794	3.1584787	0.1679726	-0.00039626	-0.00008983	0.00007663

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1005	0.0854754	5.3250246	-0.0476737	-0.0005596	-0.0006302	0.0003336
903	0.0477834	5.9254675	0.0875246	-0.0019588	-0.0002058	0.0003904
1006	-0.2255917	5.2175875	-0.4062231	-0.0027059	0.0003276	0.0001317
906	0.1106688	4.1547604	-0.2502210	0.0017109	0.0001803	-0.0000518
902	0.0400742	4.1524544	0.1431395	-0.0012479	-0.0000238	0.0007115
904	0.0432773	4.2214336	-0.0945630	0.0003861	0.0005945	0.0004447
901	0.0769615	4.7440023	-0.0218415	-0.0006296	0.0000529	-0.0001934
707	0.0547537	4.7653913	-0.1106421	0.0007608	-0.0003135	-0.0007731
510	0.0624217	4.6523237	-0.1701238	0.0011847	-0.0004812	0.0009457
1008	0.0339647	3.1548262	0.2050717	-0.0005081	-0.0014998	0.0009657
908	0.0551961	5.9263906	0.1110601	-0.0028477	-0.0007181	0.0005600
905	0.0479646	4.0751257	-0.0813111	-0.0002860	-0.0005241	0.0004624
803	0.0361914	4.5415382	-0.0281973	-0.0023685	0.0000761	0.0000145
1009	0.2279313	5.2182865	-0.4894937	-0.0027071	0.0003197	0.0001304
909	-0.1042491	4.1695525	-0.2805226	-0.0017103	0.0002773	-0.0000358
809	0.0004620	4.6766646	-0.0254324	-0.0016498	0.0010761	-0.0003599
805	0.0036065	4.6216917	-0.0066328	0.0008521	-0.0006975	0.0002415
804	0.0071862	4.6823883	0.0021649	0.0001680	0.0006095	0.0003005
706	0.0638852	5.1501598	0.3028325	-0.000821	0.0009514	-0.0012112
701	0.0661355	4.7891226	-0.1073446	0.0005100	-0.0001690	0.0008209
802	0.0568247	4.6550269	-0.0063069	-0.0003028	-0.0000797	0.0004933
703	0.0297760	5.4179878	-0.1880243	-0.0006471	-0.0000068	-0.0010593
507	0.0372147	4.6113844	-0.1579275	0.0010049	-0.0005944	-0.0009918
401	0.0426207	4.6024637	-0.1618699	0.0009345	-0.0003801	-0.0009842
1011	0.5995982	1.9673424	-0.2127116	-0.0079407	0.0006424	-0.0004143
911	-0.1044139	4.0921850	-0.2382672	-0.0035611	-0.0020574	-0.0008212
808	0.0377777	4.5533886	0.0091209	-0.0022345	0.0001532	-0.0001110
1012	0.0584141	3.0504217	0.4324765	-0.0093125	0.0005915	-0.0015350
912	0.1922086	4.0448761	0.4962365	-0.0001628	0.0006279	-0.0015290
812	0.0966902	4.5494814	0.5012830	-0.0020392	0.0010143	-0.0014641
709	0.7049041	5.1490746	0.3001217	-0.0000823	0.0008336	-0.0012307
656	0.7046665	5.1265697	0.5248375	0.0005070	0.0008356	-0.0013642
705	0.5373072	5.2906342	0.0543388	0.0017129	-0.0005444	-0.0015868
704	0.3388538	4.9555235	-0.0671666	0.0012435	0.0001903	-0.0016605
503	0.0160948	5.2643185	-0.2146274	0.0008023	-0.0000939	-0.0015532
702	0.0479082	5.1242819	-0.1461415	0.0008160	-0.0002482	-0.0015363
651	0.0434526	4.7562532	-0.1213490	0.0005208	-0.0001011	-0.0009190
506	0.6956156	4.9365244	0.3703222	0.0008485	0.0001350	-0.0016133
708	0.0126089	5.4480524	-0.1782587	-0.0002755	0.0002016	-0.0011284
653	0.0297247	5.4278030	-0.2009194	0.0000382	-0.0000346	-0.0012139
501	0.0542797	4.6420164	-0.1530787	0.0008304	-0.0002939	-0.0010251
301	-0.0081351	4.5309324	-0.1579586	0.0007692	-0.0000532	-0.0014461
811	-0.4004220	5.2305861	-0.2465019	-0.0023691	0.0003102	-0.0011872

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
712	0.6232073	5.1119967	0.5117130	-0.0003907	0.0007589	-0.0015074
515	0.7530866	4.9370375	0.3465332	-0.0005461	0.0001067	-0.0015682
508	-0.0063235	5.3015928	-0.2293633	0.0008937	-0.0000414	-0.0015706
514	-0.0116610	5.3127289	-0.2095221	0.0004510	0.0003961	-0.0015239
403	0.0160714	5.1988459	-0.2198664	0.0008205	-0.0000904	-0.0016107
603	0.0183379	5.3565936	-0.2111448	0.0007157	-0.0001695	-0.0014503
502	0.0553102	4.9408940	-0.1853699	0.0014187	-0.0001550	-0.0018798
505	0.3354410	5.1131392	0.0772737	0.0020779	-0.0004207	-0.0021617
513	0.0364004	4.6116352	-0.1316612	0.0003676	-0.0001607	-0.0009561
661	-0.0213295	4.7563686	-0.1699805	0.0009360	-0.0001607	-0.0017800
601	0.0624537	4.6879425	-0.1423787	0.0007029	-0.0001661	-0.0010081
509	0.7446782	4.9338980	0.3960356	0.0008487	0.0001827	-0.0016054
406	0.6891022	4.888826	0.3432402	0.0008023	0.0001623	-0.0016081
504	0.3362765	4.7673054	0.0945392	0.0019478	0.0002038	-0.0021104
711	-0.0921004	5.5918016	-0.2426720	-0.0001057	0.0006121	-0.0015375
603	-0.0238934	5.4279032	-0.2526379	0.0007588	-0.0001640	-0.0006715
206	0.5934571	4.6179495	0.3731173	0.0016617	-0.0001969	-0.0018906
201	-0.0268976	4.2872190	-0.1579356	0.0016240	-0.0001453	-0.0015230
303	0.0014562	5.2118034	-0.2161618	0.0006850	-0.0001644	-0.0018974
306	0.6281047	4.8790016	0.3752511	0.0007974	-0.0002492	-0.0018523
512	0.6929039	4.9340382	0.4046752	0.0009488	0.0002304	-0.0015966
511	0.0122825	5.2714605	-0.2524141	0.0010358	-0.0000953	-0.0016429
613	-0.0504772	5.3367853	-0.2295989	0.0001669	-0.0001785	-0.0006606
602	-0.0226323	5.3077240	-0.2018544	0.0008143	-0.0001794	-0.0017851
611	-0.0489378	4.6881485	-0.1744633	0.0004295	-0.0001859	-0.0019284
205	0.2709584	4.7969122	0.0776550	0.0019129	-0.0002309	-0.0020992
204	0.2719104	4.4464960	0.1072535	0.0019301	-0.0001049	-0.0021177
202	-0.0318674	4.6225300	-0.1841851	0.0018124	-0.0001580	-0.0020376
203	-0.0368310	4.9666948	-0.2141420	0.0016158	-0.0001922	-0.0014131
612	-0.0496887	5.1950226	-0.2018555	0.0007251	-0.0001698	-0.0018559
101	-0.0571520	4.0004682	-0.1578891	0.0015849	-0.0001710	-0.0015411
102	-0.0579209	4.3499708	-0.1893257	0.0016584	-0.0001753	-0.0020888
103	-0.0586635	4.6977777	-0.2140855	0.0014528	-0.0000995	-0.0019156
104	0.2446777	4.1745853	0.1149172	0.0020251	-0.0001409	-0.0020965
105	0.2437437	4.5237379	0.0754868	0.0019660	-0.0002994	-0.0020327
106	0.5478595	4.3480366	0.3730143	0.0014558	-0.0002804	-0.0018946

ASP JOB NO. = 9595

DATE = 76,100

//LECS655 JOB (00442705002777101PCETENG96), 'CHERN ' , PRTY=4, CLASS=0, C9595

ELAPSED TIME ON MAIN = A = 008.05, START TIME = 18.00.54

DDNAME = SYSMSG

PRINTED ON RM027PRI, LINES = 000123

DDNAME = FT06F001

PRINTED ON RM027PRI, LINES = 000800

LINES OUTPUT FOR THIS JOB = 000923

CARDS FROM MAIN FOR THIS JOB = NONE


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IS40 JOB UHGIN FROM GROUP#M027 , DSPSCR , DEVICE#M027R01, QAS
//LFC565 J04 (0004270500277710)PCE(TE#96),ICHEMN ',PRTY#A,CLASS#D,C
//TIME(00,00),REGIUM#5004
//MAIN LINES(000,0),CARDS(00,C),SYSTEM#A,FAILURE=RESTART
//IM1565 EXEC IM1565
//IM1565,SVSTN 00
//

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AMP501 J06 606 (LFC565) IN SETUP ON MAIN#A
APD502 STEPLIB USING D UNL001 UN 100
LFC565 JEF403I LFC565 STARTED TIME#17,00,57
LFC565 JEF234E D 606,ASP#6
LFC565 *68 IECASPO 685 IS LFC565 A *IM1565=IM15656FT06F001
LFC565 *76 IECASPO 682 IS LFC565 *IM1565=IM15656ASP10001
LFC565 IEC20E * 682,014866,ML,LFC565,IM1565
LFC565 TI=LFC565 CC=00442705 682777101 P JSCETENG96 M#CERN A#4866
LFC565 JEF404I LFC565 ENLU TIME#17,15,28
//LFC565 J04 (0004270500277710)PCE(TE#96),ICHEMN ',PRTY#A,CLASS#D,*
// TIME(00,00),REGIUM#5004
//IM1565 EXEC IM1565

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X#IM1565 EAC PGM=ICEX5,PARM#0000 00020000
X#STEPLIB DD DISP=SMR,UNIT=SYSDA,VOL=SER#UNL001,DSN#MAC.ICESV2P3 00040000
X# DD DISP=SMR,UNIT=SYSDA,VOL=SER#UNL001, 00060000
X# US=ICES.SYMBOL.FIX 00080000
X# DD DISP=SMR,UNIT=SYSDA,VOL=SER#UNL001, 00100000
X# DSP#A#EMAC.SINHANG 00120000
X# DD DISP=SMR,UNIT=SYSDA,VOL=SER#UNL001, 00140000
X# DS'A#EMAC.SR2P5 00160000
X# DD DISP=SMR,UNIT=SYSDA,VOL=SER#UNL001, 00180000
X# US#A#EMAC.TABL2P5 00200000
X#FT05F001 DD DUNAME#SYSIN 00220000
X#FT06F001 DD SYSOUT#A,DCB=(RECFM#FB,LRECL#133,BLKSIZE#796) 00240000
X#FT06F002 DD SYSOUT#A 00260000
X#FT07F001 DD SYSOUT#B 00280000
X#FT10F001 DD DUMY 00300000
X#01 DD UNIT=SYSDA,DCB=(SDRG#DA,SPACE=(TRK,10) 00320000
X#02 DD US#A#AC.SR2P5,DD2,DISP=SMR,DCB=(SDRG#DA,UNIT=SYSDA, 00340000
X# VOL=SER#UNL001 00360000
X#03 DD DS#003,DUUB#AG,DISP=SMR,DCB=(SU#NG#DA,UNIT=SYSDA, 00380000
X# VOL=SER#UNL001 00400000
X#04 DD UNIT=SYSDA,DCB=(DSUR#DA,BLKSIZE#300),SPACE=(6300,(500,50)) 00420000
//IM1565,SYSN DD UNIT=(CTC,DEFEN)DSNAME#68ASP10001,
// DISP=(OLD,DELETE),VOL=SER#014866,UCB=(LRECL#80,BLKSIZE#80,RECFM#F)
//

```

```

IEF2501 ALLOC. FOR LFC565 *IM1565 *IM1565
IEF2371 100 ALLOCATED TO STEPLIB
IEF2371 100 ALLOCATED TO
IEF2371 100 ALLOCATED TO
IEF2371 100 ALLOCATED TO
IEF2371 100 ALLOCATED TO
IEF2371 082 ALLOCATED TO FT05F001
IEF2371 685 ALLOCATED TO FT06F001
IEF2371 686 ALLOCATED TO FT06F002
IEF2371 687 ALLOCATED TO FT07F001
IEF2371 102 ALLOCATED TO DD1
IEF2371 100 ALLOCATED TO DD2
IEF2371 100 ALLOCATED TO DD3
IEF2371 100

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IEF1821 - SMP PAB EXECUTEU - CUMD LUME 0000
 IEF285 MAC,ICF3V293 KEPT
 IEF285 VUL SER NUSB UML001, KEPT
 IEF285 ICES,STRUHL,PIX KEPT
 IEF285 VUL SER NUSB UML001, KEPT
 IEF285 MAC,SOUUBANG KEPT
 IEF285 VUL SER NUSB UML001, KEPT
 IEF285 PAC,STR2PS KEPT
 IEF285 VUL SER NUSB UML001, KEPT
 IEF285 MAC,TABLE2PS KEPT
 IEF285 VUL SER NUSB UML001, DELETED
 IEF285 SYS76189,117049,RV001,LECS655,ASPI0001 DELETED
 IEF285 VUL SER NUSB 01806, DELETED
 IEF285 SYS76189,117049,RV001,LECS655,ASPUA001 DELETED
 IEF285 VUL SER NUSB ASP655, DELETED
 IEF285 SYS76189,117049,RV001,LECS655,40005301 DELETED
 IEF285 VUL SER NUSB SCH004, KEPT
 IEF285 MAC,STR2PS,DD2 KEPT
 IEF285 VUL SER NUSB UML001, DELETED
 IEF285 DD3,SOUUBANG DELETED
 IEF285 VUL SER NUSB UML001, DELETED
 IEF285 SYS76189,117049,RV001,LECS655,M0005302 DELETED
 IEF285 VUL SER NUSB SCH002, DELETED
 IEF3731 STEP /MIN15656/ START 76189,1704
 IEF3741 STEP /MIN15656/ START 76189,1715 CPU OMIN 27,56SEC STOR VIRT 512K

PACES DATA ACQUISITION SYSTEM

 STEP NAME MIN15656 START TIME 17.04.57.27 MAIN CORE RECD 500 K LCS CURE HEAD 0 K STEP CPU 00.00.27.56
 PGM NAME QUICENS STOP TIME 17.15.28.68 MAIN CORE USED 512 K LCS CURE USED 0 K JOB CPU 00.00.27.56
 DISPATCH PRTY 1 ELAP. TIME 00.10.31.41 MAIN CORE BURRWD 0 K LCS CURE BURRWD 0 K CONDITION CODE 0000

 EXCP STATISTICS

UNIT	EXCP COUNT	UNIT	EXCP COUNT	UNIT	EXCP COUNT	UNIT	EXCP COUNT	UNIT	EXCP COUNT
400	0	400	0	400	0	400	0	400	0
685	132	686	0	687	0	145	10	400	77
406	27340								
EXCP TOTAL 3,041									

IEF3741 STEP/MIN15656/ TOTAL EXCP 003041
 IEF3751 JOB /LECS655 / START 76189,1704
 IEF3761 JOB /LECS655 / STUP 76189,1715 CPU OMIN 27,56SEC

 PACES DATA ACQUISITION SYSTEM

JOB LUG NUMBER = LECS655 76189 17.04.49.38
 PROGRAMMER CHERN DATE 07/0776 76.189 INITIATION TIME 17.06.57.27
 ACCTG DATA 0042705002777101PCETENG96 CPU TIME 00.00.27.56 TERMINATION TIME 17.15.28.70
 JOBNAME LECS655 PRIORITY 02 ELAPSED TIME 00.10.31.51
 SYSTEM ID 68 = 6C CLASS 0 COMPLETION STATUS C0000

AM0809 JOB 4866 (LECS655) IN BREAKDOWN

807	28,96	-18,81	68,41
710	18,76	-10,83	91,99
1003	-52,04	-18,50	0,0
1005	-18,02	9,25	0,0
903	-27,42	-15,83	32,00
1006	0,	37,00	0,0
906	0,	31,66	32,00
902	0,	-15,83	32,00
908	13,71	7,91	32,00
806	0,	26,32	68,00
801	22,79	-13,16	68,00
707	20,93	-12,08	92,41
510	15,15	-6,75	118,99
1008	-34,21	-19,75	0,41
906	-29,59	-17,08	32,41
905	-13,71	7,91	52,00
803	-22,79	-13,16	68,00
1009	0,	39,50	0,41
909	0,	34,16	32,41
809	0,	28,82	68,41
805	-11,40	6,58	68,00
804	11,40	6,58	68,00
706	0,	21,66	92,0
701	18,76	-10,83	92,0
802	0,	-13,16	68,00

703	-10,76	-10,83	92,0
507	17,52	-10,00	117,41
401	14,50	-8,37	121,5
1011	-32,08	-10,50	-0,01
911	-27,42	-15,63	31,99
808	-24,96	-14,41	64,41
1012	0,	37,00	-0,01
912	0,	31,66	31,99
812	0,	26,52	63,99
709	0,	24,16	92,41
656	0,	20,49	99,00
705	-9,58	5,41	92,0
704	9,58	5,41	92,0
503	-15,15	-8,75	117,0
702	0,	-10,83	92,0
651	17,74	-10,25	99,00
506	0,	17,69	117,0
706	-20,93	-1,76	92,41
653	-17,74	-10,25	99,00
501	15,15	-8,75	117,0
301	14,50	-8,57	150,0
1111	-34,21	-19,75	-15,00 8
811	-22,79	-13,16	63,99
1112	0,	59,50	-15,00 8
712	0,	21,66	91,99

515	0.	20.44	117.00
508	-17.52	-10.00	117.41
514	-17.74	-10.25	117.00
403	-14.	-8.37	121.5
603	-16.01	-9.25	111.00
502	0.	-6.75	117.0
505	-7.575	4.57	117.0
513	17.74	-10.25	117.00
601	17.74	-15.25	99.00
601	16.01	-9.25	111.00
509	0.	19.99	117.41
406	0.	16.74	121.5
504	7.575	4.37	117.0
711	-16.76	-10.63	91.99
603	-17.74	-15.25	99.00
206	0.	16.74	165.0
303	-14.50	-8.37	150.0
306	0.	16.74	150.0
201	14.50	-8.37	165.0
512	0.	17.49	116.99
511	-15.15	-8.75	116.99
615	-16.01	-15.25	111.00
602	0.	-15.25	99.00
611	16.01	-15.25	111.00
106	0.	16.74	180.0

205	-7.25	4.18	165.0
206	7.25	4.18	165.0
203	-14.50	-8.37	165.0
101	14.50	-8.37	160.0
202	0.	-8.37	165.0
612	0.	-15.25	111.00
105	-7.25	4.18	160.0
104	7.25	4.18	160.0
103	-14.50	-8.37	160.0
102	0.	-8.37	160.0

JOINT RELEASES

1110 1111 1112 MUM X MUM Y MUM Z

MEMBER INCIDENCES

41	101	102
42	102	103
43	103	105
44	105	106
45	101	104
46	104	106
47	102	104
48	102	105
49	104	105
50	201	202
51	202	203
52	203	205

53	205	206
54	201	206
55	204	206
56	202	206
57	202	205
58	204	205
59	201	303
60	203	306
61	206	301
62	301	303
63	303	306
64	301	306
65	501	502
66	502	503
67	503	505
68	505	506
69	501	504
70	504	506
71	502	504
72	502	505
73	501	507
74	507	510
75	503	508
76	508	511
77	506	509

76	509	512
79	501	513
80	503	514
81	506	515
82	513	651
83	514	653
84	515	656
95	601	611
85	603	613
87	651	661
88	653	663
89	611	612
90	612	613
91	661	662
92	662	663
93	611	661
94	612	662
95	613	663
96	501	703
97	503	706
98	506	701
99	701	702
100	504	505
101	702	703
102	703	705

103	705	706
104	701	704
105	704	706
106	702	704
107	702	705
108	704	705
109	701	707
110	707	710
111	703	708
112	708	711
113	706	709
114	709	712
115	701	806
116	703	801
117	701	803
118	801	802
119	802	803
120	803	805
121	805	806
122	801	804
123	804	806
124	802	804
125	802	805
126	804	805
127	801	807

128	807	810
129	803	808
130	806	811
131	806	809
132	809	812
133	801	903
134	803	906
135	806	901
136	901	902
137	902	903
138	903	905
139	905	906
140	901	904
141	904	906
142	902	904
143	902	905
144	904	905
145	901	907
146	907	910
147	903	908
148	908	911
149	906	909
150	909	912
151	901	1002
152	903	1002

153	903	1005
154	906	1005
155	901	1004
156	906	1004
157	1001	1002
158	1002	1003
159	1003	1005
160	1005	1006
161	1001	1006
162	1004	1006
163	1002	1004
164	1002	1005
165	1004	1005
166	1001	1007
167	1007	1010
168	1003	1008
169	1008	1011
170	1006	1009
171	1009	1012
172	101	201
173	105	203
174	106	206
175	201	301
176	203	303
177	206	506

178	501	401
179	503	403
180	306	406
181	401	501
182	403	503
183	406	506
184	501	601
185	503	603
186	506	606
187	601	651
188	603	653
189	651	701
190	653	703
191	656	706
192	701	801
193	703	803
194	706	806
195	801	901
196	803	903
197	806	906
198	901	1001
199	903	1003
200	906	1006
201	401	510
202	403	511

203 406 512
204 510 710
205 511 711
206 512 712
207 710 810
208 711 811
209 712 812
210 810 910
211 811 911
212 812 912
213 910 1010
214 911 1011
215 912 1012
216 1010 1110
217 1011 1111
218 1012 1112

MEMBER RELEASES

74 76 78 110 112 114 128 132 END MOM Y Z END FORCE Y Z

146 148 150 167 169 171 END MOM Y Z END FORCE Y Z

UNIT INCH LBS

MEMBER PROPERTIES PRISMATIC

41 TO 46 50 TO 55 AX 14.70 IX 1.25 IY 802. IZ 40.2 SY 89.1 SZ 10.7

47 TO 49 56 TO 58 AX 7.06 IX .543 IY 82.5 IZ 18.2 SY 20.8 SZ 5.61

59 TO 64 71 72 79 TO 81 100 101 TO 105 99

AX 19.24 IX 723.28 IY 561.64 IZ 561.64 SY 56.73 SZ 56.73

106 TO 108

AX 14.58 IX 558.82 IV 279.41 IZ 279.41 8Y 43.03 SZ 43.03
124 TU 126 142 TO 144 165 TU 165 -
AX 16.05 IX 745.72 IV 572.06 IZ 372.06 8Y 53.26 SZ 53.26
89 TO 92 -
AX 12.76 IX 211.48 IV 105.74 IZ 105.74 8Y 24.52 SZ 24.52
85 TO 88 93 TO 95 -
AX 26.27 IX 649.2 IV 324.6 IZ 324.6 8Y 60.39 SZ 60.39
65 TO 70 151 TO 156 -
AX 24.35 IX 1464.2 IV 732.1 IZ 732.1 8Y 91.52 SZ 91.52
118 TU 123 136 TO 141 157 TO 162 -
AX 27.49 IX 2106.88 IV 1053.44 IZ 1053.44 8Y 117.05 SZ 117.05
96 TO 98 115 TO 117 133 TO 135 -
AX 30.04 IX 3574.06 IV 1787.43 IZ 1787.43 8Y 178.74 SZ 178.74
172 TO 180 -
AX 91.11 IX 19182.8 IV 9591.4 IZ 9591.4 8Y 639.43 SZ 639.43
201 TO 206 215 TO 215 -
AX 221.29 IX 69816.6 IV 44908.4 IZ 44908.4 8Y 2134.5 SZ 2134.5
207 TO 212 -
AX 251.33 IX 100808. IV 50404. IZ 50404. 8Y 2400.2 SZ 2400.2
216 TO 218 -
AX 156.46 IX 41260.8 IV 20630.4 IZ 20630.4 8Y 1146.1 SZ 1146.1
181 TO 191 -
AX 141.37 IX 71604.9 IV 35802.4 IZ 35802.4 8Y 1556.6 SZ 1556.6
192 TO 200 -
AX 71.47 IX 36995.4 IV 18497.7 IZ 18497.7 8Y 804.25 SZ 804.25
62 TO 64 -
AX 27.49 IX 2106.88 IV 1053.44 IZ 1053.44 8Y 117.05 SZ 117.05
73 TO 78 109 TO 114 127 TO 132 145 TO 150 166 TO 171 -
AX 50.0 IX 30000. IV 30000. IZ 30000. 8Y 3000. SZ 6000.
CONSTANTS
E 30000000. ALL
DENSITY 0.288 41 TO 64 79 TO 95 172 TO 180

DENSITY 0.016 73 TO 78 109 114 127 TO 132 145 TO 150 166 TO 171

DENSITY 0.297 181 TO 218

DENSITY -0.024 65 TO 70 96 TO 98 115 TO 117 133 TO 135 151 TO 156

DENSITY 0.057 71 72 99 TO 105

DENSITY -0.042 106 TO 108

DENSITY -0.061 116 TO 123 136 TO 141 157 TO 162

DENSITY -0.073 124 TO 126 142 TO 144 163 TO 165

LOADING 'DEAD' GRAVITY AND BUOYANCY'

DEAD LOAD Z =1.0

LOADING LIST ALL

STIFFNESS ANALYSIS REDUCED

BANDWIDTH USING INITIAL JOINT NUMBERING

JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.	JOINT NO.	JOINT ID	BAND NO.
1	1110	0	2	1010	1	3	1007	1	4	910	2	5	1001	2
6	907	2	7	810	3	8	1002	3	9	1004	4	10	901	5
11	807	4	12	710	5	13	1003	5	14	1005	6	15	903	7
16	1006	7	17	906	8	18	902	8	19	904	9	20	808	10
21	801	11	22	707	10	23	510	11	24	1008	11	25	908	10
26	905	11	27	803	12	28	1009	12	29	909	12	30	809	10
31	805	11	32	804	12	33	706	13	34	701	14	35	802	14
36	703	15	37	507	14	38	401	15	39	1011	15	40	911	15
41	808	14	42	1012	18	43	912	14	44	812	14	45	709	12
46	656	13	47	705	14	48	704	15	49	503	16	50	702	16
51	651	17	52	506	18	53	708	17	54	653	18	55	501	19
56	301	18	57	1111	18	58	611	18	59	1112	17	60	712	16
61	515	15	62	508	13	63	514	14	64	403	15	65	603	16
66	502	17	67	505	18	68	513	17	69	661	18	70	601	19
71	509	19	72	406	20	73	504	21	74	711	21	75	663	21
76	206	20	77	303	21	78	306	22	79	201	23	80	512	20
81	511	19	82	613	17	83	662	14	84	611	15	85	106	9
86	205	10	87	204	11	88	203	11	89	101	10	90	202	11
91	612	9	92	105	7	93	104	8	94	103	6	95	102	6

THE MAXIMUM BANDWIDTH IS 23 AND OCCURS AT JOINT 201
 THE AVERAGE BANDWIDTH IS 12.537
 THE STANDARD DEVIATION OF THE BANDWIDTH IS 5.554

NEW JOINT ORDER LIST TO PRODUCE IMPROVED BANDING

1110	1010	1007	910	1001	907	810	1002	1004	901	807	710
1003	1005	903	1006	906	902	904	806	801	707	510	1008
908	905	803	1009	909	809	805	804	706	701	802	703
507	401	1011	911	808	1012	912	812	709	656	705	704
503	702	651	506	708	653	501	301	1111	811	1112	712
515	508	514	403	603	502	503	513	661	601	509	406
504	711	206	303	303	306	201	512	511	613	662	611
106	205	204	203	101	202	612	105	104	103	102	

DEAD LOAD APPLIED TO JOINT 1003	2603.619 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1005	-1391.377 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 903	5710.410 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1006	2603.645 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 906	5710.270 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 902	-937.205 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 904	-937.219 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 806	5394.973 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 801	5395.117 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 707	24.369 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 510	9823.598 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1008	24.369 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 908	24.369 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 803	-937.219 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1009	5395.115 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 909	24.328 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 809	24.328 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 805	-779.163 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 804	-779.163 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 706	4434.809 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 701	3885.314 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 602	-779.093 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 703	4160.063 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 507	24.369 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 401	6880.102 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1011	13725.039 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 911	22755.727 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 808	24.369 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1012	13725.094 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 912	22755.633 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 812	22668.711 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 709	24.328 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 656	6153.293 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 705	22.413 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 704	22.413 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 503	2023.574 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 702	22.446 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 651	5102.770 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 506	4552.242 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 708	24.369 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 653	5102.770 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 501	2003.133 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 301	9725.125 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1311	3073.498 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 811	22668.715 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 1312	5073.555 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 712	18896.883 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 515	941.528 POUNDS ✓
DEAD LOAD APPLIED TO JOINT 508	24.369 POUNDS ✓

DEAD LOAD APPLIED TO JOINT 514	941,299 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 403	693,160 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 603	4091,552 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 502	23,174 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 505	23,177 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 513	941,299 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 661	1152,264 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 601	4091,552 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 509	23,528 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 406	6879,840 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 504	23,177 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 711	18896,406 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 665	1152,264 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 206	6856,367 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 305	9725,922 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 306	9720,968 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 201	6856,211 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 512	9823,609 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 511	9855,535 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 613	1152,413 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 662	1308,612 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 611	1152,413 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 106	3055,301 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 205	1075,113 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 204	1075,113 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 203	6458,094 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 101	3055,027 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 202	1075,159 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 612	1253,581 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 105	1075,113 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 104	1075,113 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 103	3055,027 POUNDS	✓
DEAD LOAD APPLIED TO JOINT 102	1075,159 POUNDS	✓
TIME TO PROCESS 95 JOINTS	1.92 SECONDS	

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GROSS WEIGHT OF STRUCTURE 446142,750 POUNDS

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TIME TO SOLVE WITH 32 PARTITIONS 12.06 SECONDS

TIME TO PROCESS 95 JOINT DISPLACEMENTS 0.15 SECONDS

TIME TO PROCESS 178 MEMBER DISTORTIONS 2.01 SECONDS

TIME FOR STATICS CHECK 0.80 SECONDS

LIST DISPLACEMENTS ALL

 RESULTS OF LATEST ANALYSES

PROBLEM = ACMH TITLE = DYNAMIC ANALYSIS OF TRIPUD STRUCTURE AT 105 FT WATER --U.S.NAVY

ACTIVE UNITS INCH LB RAD FAHR SEC LBM

LOADING = DEAD GRAVITY AND BUOYANCY

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110	0.0	0.0	0.0	-0.0000269	-0.0000404	0.0000042
1111	0.0	0.0	0.0	-0.0000246	0.0000425	0.0000137
1112	0.0	0.0	0.0	0.0000294	-0.0000021	0.0000099

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010	-0.0046751	0.0032998	-0.0076826	-0.0000122	-0.0000152	0.0000043
1007	0.0001800	0.0030518	-0.0344624	-0.0000051	-0.0000050	0.0000050
910	-0.0038539	0.0039348	-0.0156048	-0.0000007	0.0000053	0.0000042
1001	0.0001710	0.0029435	-0.0346669	-0.0000044	-0.0000054	0.0000051
907	-0.0004258	0.0033276	-0.0345815	0.0000033	0.0000110	0.0000034
810	-0.0020760	0.0038618	-0.0212267	-0.0000014	0.0000019	0.0000044
1002	0.0005353	0.0019408	-0.0341938	-0.0000023	-0.0000002	0.0000015
1004	-0.0001542	0.0023953	-0.0338253	0.0000026	-0.0000015	0.0000016
901	-0.0004536	0.0032114	-0.0342319	0.0000036	0.0000108	0.0000034
807	0.0003815	0.0039743	-0.0331364	0.0000022	0.0000074	0.0000045
710	-0.0007533	0.0034069	-0.0251229	0.0000012	0.0000032	0.0000047
1003	0.0008650	0.0013261	-0.0347001	-0.0000036	-0.0000055	0.0000044

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1005	0.0002042	0.0015702	-0.0337275	0.0000025	0.0000020	0.0000012
903	0.0014571	0.0015202	-0.0342556	0.0000077	-0.0000083	0.0000050
1006	-0.0004592	0.0013827	-0.0359757	0.0000065	-0.0000022	0.0000037
906	0.0007287	0.0008001	-0.0355057	-0.0000108	-0.0000023	0.0000041
902	0.0005017	0.0018634	0.0115601	0.0000018	-0.0000005	0.0000020
904	-0.0001722	0.0022476	0.0117006	0.0000003	0.0000036	0.0000017
806	-0.0018137	0.0008083	-0.0320124	-0.0000059	-0.0000016	0.0000063
801	0.0003415	0.0034301	-0.0324998	0.0000025	0.0000002	0.0000046
707	0.0004263	0.0034038	-0.0304810	-0.0000004	-0.0000031	0.0000051
510	-0.0000260	0.0024799	-0.0282543	0.0000004	0.0000053	0.0000049
1008	0.0004984	0.0012347	-0.0345045	-0.0000040	-0.0000089	0.0000045
908	0.0015673	0.0013478	-0.0346022	0.0000068	-0.0000032	0.0000051
905	-0.0001689	0.0014690	0.0116911	-0.0000004	-0.0000032	0.0000016
803	0.0018746	0.0004091	-0.0329251	0.0000042	-0.0000052	0.0000076
1009	-0.0009710	0.0013259	-0.0337862	0.0000064	-0.0000021	0.0000036
909	-0.0004634	0.0007704	-0.0338442	-0.0000108	-0.0000020	0.0000063
809	-0.0020122	0.0007635	-0.0322024	-0.0000059	-0.0000025	0.0000059
805	-0.0003623	0.0008366	-0.0107507	0.0000009	0.0000023	0.0000059
804	-0.0003624	0.0025366	-0.0106493	0.0000014	0.0000023	0.0000055
706	-0.0014201	0.0002907	-0.0298454	0.0000040	-0.0000024	0.0000062
802	0.0004025	0.0032458	-0.0308426	-0.0000002	-0.0000003	0.0000050
703	0.0011083	0.0016953	-0.0110412	0.0000029	-0.0000005	0.0000063
507	0.0002052	0.0009148	-0.0305465	0.0000044	0.0000032	0.0000099
401	-0.0002123	0.0023245	-0.0240425	0.0000002	-0.0000038	0.0000051
1011	0.0044670	0.0033227	-0.0267958	-0.0000005	-0.0000056	0.0000052
911	0.0041007	0.0035607	-0.0077021	-0.0000094	0.0000169	0.0000136
808	0.0020297	0.0002276	-0.0156189	0.0000036	-0.0000029	0.0000134
1012	-0.0000792	-0.0031816	-0.0331364	0.0000046	-0.0000050	0.0000076
912	-0.0004137	-0.0025057	-0.0071082	0.0000120	-0.0000020	0.0000099
812	-0.0004213	-0.0012969	-0.0148498	-0.0000001	-0.0000029	0.0000098
709	-0.0016781	0.0002126	-0.0247542	0.0000040	-0.0000028	0.0000081
656	-0.0015629	-0.0000905	-0.0295457	0.0000030	-0.0000037	0.0000084
705	-0.0001253	0.0007187	-0.0315545	0.0000028	0.0000004	0.0000084
704	-0.0001224	0.0019935	-0.0315060	0.0000033	-0.0000003	0.0000062
503	0.0004811	-0.0015408	-0.0293515	0.0000043	0.0000106	0.0000118
702	0.0004811	0.0013643	-0.0321148	0.0000027	-0.0000008	0.0000048
651	0.0003252	0.0031428	-0.0305402	0.0000031	0.0000006	0.0000052
506	-0.0022044	-0.0012122	-0.0284679	0.0000102	-0.0000048	0.0000093
706	0.0017668	0.0006583	-0.0309879	0.0000050	0.0000035	0.0000098
655	0.0018276	0.0004986	-0.0306638	0.0000102	0.0000035	0.0000100
501	0.0001795	0.0023741	-0.0291816	0.0000004	-0.0000039	0.0000051
301	-0.00003571	0.0003248	-0.0314563	0.0000058	-0.0000018	0.0000092
611	0.0028802	0.0027727	-0.0212767	0.0000023	0.0000017	0.0000132

APPENDIX B
NATURAL FREQUENCIES

ASP JOB NO. = 4866

DATE = 76.109

//LECS655 JOB (00442705002777101PCETENG96), ICHERN 1, PRTY=4, CLASS=D, C4866

ELAPSED TIME ON MAIN = A = 010.55, START TIME = 17.04.56

DDNAME = SYSMSG

DDNAME = FT06J01

LINES OUTPUT FOR THIS JOB = 000913

PRINTED ON HMO27PRI, LINES = 000123

PRINTED ON HMO27PRI, LINES = 000790

CARDS FROM MAIN FOR THIS JOB = NONE

CMERN 00002705 9103 A LEC5655 FT06F001

LL	EEEEEEEEEEEE	CCCCCCCCCC	SSSSSSSSSS	6666666666	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS
LL	EEEEEEEEEEEE	CCCCCCCCCC	SSSSSSSSSS	6666666666	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS
LL	EE	CC	SS	66	SS	SS	SS
LL	EE	CC	SS	66	SS	SS	SS
LL	EEEEEEEE	CC	SSSSSSSSSS	6666666666	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS
LL	EEEEEEEE	CC	SSSSSSSSSS	6666666666	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS
LL	EE	CC	SS	66	SS	SS	SS
LL	EE	CC	SS	66	SS	SS	SS
LL	EEEEEEEEEEEE	CCCCCCCCCC	SSSSSSSSSS	6666666666	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS
LLLLLLLLLLLL	EEEEEEEEEEEE	CCCCCCCCCC	SSSSSSSSSS	6666666666	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS
LLLLLLLLLLLL	EEEEEEEEEEEE	CCCCCCCCCC	SSSSSSSSSS	6666666666	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS

JJ	UUUUUUUUUU	HHHHHHHHHH	9999999999	11	00000000	33333333	33333333
JJ	UUUUUUUUUU	HHHHHHHHHH	9999999999	111	00000000	33333333	33333333
JJ	UU	HH	99	1111	00	33	33
JJ	UU	HH	99	11	00	33	33
JJ	UU	HH	99	11	00	33	33
JJ	UU	HH	99	11	00	33	33
JJ	UU	HH	9999999999	11	00000000	333	333
JJ	UU	HH	9999999999	11	00000000	333	333
JJ	UU	HH	99	11	00	33	33
JJ	UU	HH	99	11	00	33	33
JJ	UU	HH	99	11	00	33	33
JJ	UU	HH	99	11	00	33	33
JJ	UUUUUUUUUU	HHHHHHHHHH	9999999999	11111	00000000	33333333	33333333
JJJJJJJJJJ	UUUUUUUUUU	HHHHHHHHHH	9999999999	11111	00000000	33333333	33333333

FFFFFFFFFF	TTTTTTTTTT	000000	6666666666	FFFFFFFFFF	000000	000000	11
FFFFFFFFFF	TTTTTTTTTT	UUUUUUUU	6666666666	FFFFFFFFFF	00000000	000000	111
FF	TT	00	66	FF	00	00	1111
FF	TT	00	66	FF	00	00	11
FF	TT	00	66	FF	00	00	11
FFFFFFFFFF	TTTTTTTTTT	00	6666666666	FFFFFFFFFF	00	00	11
FFFFFFFFFF	TTTTTTTTTT	00	6666666666	FFFFFFFFFF	00	00	11
FF	TT	00	66	FF	00	00	11
FF	TT	00	66	FF	00	00	11
FF	TT	00	66	FF	00	00	11
FF	TT	00	66	FF	00	00	11
FF	TT	00000000	6666666666	FF	00000000	00000000	111111
FF	TT	00000000	6666666666	FF	00000000	00000000	111111

CMERN 00002705 9103 A LEC5655 FT06F001

807	24.96	-14.41	64.41
710	18.76	-10.83	91.99
1003	-32.04	-18.50	0.0
1005	-16.02	9.25	0.0
903	-27.82	-15.81	32.00
1006	0.	37.00	0.0
906	0.	31.66	32.00
902	0.	-15.83	32.00
904	13.71	7.91	32.00
806	0.	26.32	64.00
801	22.79	-13.16	64.00
707	20.93	-12.08	92.41
510	15.15	-8.75	116.99
1008	-34.21	-19.75	0.41
908	-29.59	-17.08	32.41
905	-15.71	7.91	32.00
803	-22.79	-13.16	64.00
1009	0.	39.50	0.41
909	0.	34.16	32.41
809	0.	26.82	64.41
805	-11.40	6.58	64.00
804	11.40	6.58	64.00
706	0.	21.66	92.0
701	18.76	-10.83	92.0
802	0.	-15.16	64.00

703	-18,76	-10,83	92,0
507	17,32	-10,00	117,41
401	14,50	-8,37	121,5
1011	-32,04	-18,50	-0,01
911	-27,42	-15,83	31,99
808	-24,96	-14,41	64,41
1012	0,	37,00	-0,01
912	0,	31,66	31,99
812	0,	26,32	63,99
709	0,	24,16	92,41
656	0,	20,49	99,00
705	-9,38	5,41	92,0
704	9,38	5,41	92,0
503	-15,15	-8,75	117,0
702	0,	-10,83	92,0
651	17,74	-10,25	99,00
506	0,	17,49	117,0
708	-20,93	-12,08	92,41
653	-17,74	-10,25	99,00
501	15,15	-8,75	117,0
301	14,50	-8,37	150,0
1111	-34,21	-19,75	-15,00 8
811	-22,79	-13,16	63,99
1112	0,	39,50	-15,00 8
712	0,	21,66	91,99

515	0.	20.69	117.00
508	-17.32	-10.00	117.41
514	-17.74	-10.25	117.00
403	-14.	-8.37	121.5
603	-16.01	-9.25	111.00
502	0.	-8.75	117.0
505	-7.575	4.37	117.0
513	17.74	-10.25	117.00
661	17.74	-15.25	99.00
601	16.01	-9.25	111.00
509	0.	19.99	117.41
406	0.	16.74	121.5
504	7.575	4.37	117.0
711	-16.76	-10.83	91.99
663	-17.74	-15.25	99.00
206	0.	16.74	165.0
303	-14.50	-8.37	150.0
306	0.	16.74	150.0
201	14.50	-8.37	165.0
512	0.	17.49	116.99
511	-15.15	-8.75	116.99
613	-16.01	-15.25	111.00
662	0.	-15.25	99.00
611	16.01	-15.25	111.00
106	0.	16.74	160.0

205	-7.25	4.10	165.0
204	7.25	4.10	165.0
203	-14.50	-8.37	165.0
101	14.50	-8.37	180.0
202	0.	-8.37	165.0
612	0.	-15.25	111.00
105	-7.25	4.10	180.0
104	7.25	4.10	180.0
103	-14.50	-8.37	180.0
102	0.	-8.37	180.0

JOINT RELEASES

1110 1111 1112 MOM X MUM Y MUM Z

MEMBER INCIDENCES

41	101	102
42	102	103
43	103	105
44	105	106
45	101	104
46	104	106
47	102	104
48	102	105
49	104	105
50	201	202
51	202	203
52	203	205

53	205	206
54	201	204
55	204	206
56	202	204
57	202	205
58	204	205
59	201	303
60	203	306
61	206	301
62	301	303
63	303	306
64	301	306
65	501	502
66	502	503
67	503	505
68	505	506
69	501	504
70	504	506,
71	502	504
72	502	505
73	501	507
74	507	510
75	503	508
76	508	511
77	506	509

78 509 512
79 501 513
80 503 514
81 506 515
82 513 651
83 514 653
84 515 656
85 601 611
86 603 613
87 651 661
88 653 663
89 611 612
90 612 613
91 661 662
92 662 663
93 611 661
94 612 662
95 613 663
96 501 703
97 503 706
98 506 701
99 701 702
100 504 505
101 702 703
102 703 705

103	705	706
104	701	704
105	704	706
106	702	704
107	702	705
108	704	705
109	701	707
110	707	710
111	703	708
112	708	711
113	706	709
114	709	712
115	701	806
116	703	801
117	701	803
118	801	802
119	802	803
120	803	805
121	805	806
122	801	804
123	804	806
124	802	804
125	802	805
126	804	805
127	801	807

128 807 810
129 803 808
130 808 811
131 806 809
132 809 812
133 801 903
134 803 906
135 806 901
136 901 902
137 902 903
138 903 905
139 905 906
140 901 904
141 904 906
142 902 904
143 902 905
144 904 905
145 901 907
146 907 910
147 903 908
148 908 911
149 906 909
150 909 912
151 901 1002
152 903 1002

153 903 1005
154 906 1005
155 901 1004
156 906 1004
157 1001 1002
158 1002 1003
159 1003 1005
160 1005 1006
161 1001 1004
162 1004 1006
163 1002 1004
164 1002 1005
165 1004 1005
166 1001 1007
167 1007 1010
168 1003 1008
169 1008 1011
170 1006 1009
171 1009 1012
172 101 201
173 103 203
174 106 206
175 201 301
176 203 303
177 206 306

178 301 401
179 303 403
180 306 406
181 401 501
182 403 503
183 406 506
184 501 601
185 503 603
186 506 656
187 601 651
188 603 653
189 651 701
190 653 703
191 656 706
192 701 801
193 703 803
194 706 806
195 801 901
196 803 903
197 806 906
198 901 1001
199 903 1003
200 906 1006
201 401 510
202 403 511

203 406 512

204 510 710

205 511 711

206 512 712

207 710 810

208 711 811

209 712 812

210 810 910

211 811 911

212 812 912

213 910 1010

214 911 1011

215 912 1012

216 1010 1110

217 1011 1111

218 1012 1112

MEMBER RELEASES

74 76 78 110 112 114 128 130 132 END MOM Y Z END FORCE Y Z

146 148 150 167 169 171 END MOM Y Z END FORCE Y Z

UNIT INCH LBS

MEMBER PROPERTIES PRISMATIC

41 10 46 50 55 AX 14.70 IX 1.25 IV 802. 12 40.2 8Y 89.1 SZ 10.7

47 10 49 56 70 58 AX 7.06 IX 3.303 IV 82.5 12 18.2 8Y 20.8 SZ 5.61

59 10 64 71 72 79 10 81 100 101 T 105 99 •
AX 19.24 IX 725.28 IV 361.64 12 361.64 8Y 56.73 SZ 56.73

106 TO 108 •

AX 14,58 IX 558,82 IY 279,41 IZ 279,41 SY 43,83 SZ 43,83
124 TU 126 142 TU 144 163 TU 165 -
AX 16,05 IX 745,72 IY 372,86 IZ 372,86 SY 53,26 SZ 53,26
89 TO 92 -
AX 12,76 IX 211,48 IY 105,74 IZ 105,74 SY 24,52 SZ 24,52
85 TO 88 93 TO 95 -
AX 26,27 IX 649,2 IY 324,6 IZ 324,6 SY 60,39 SZ 60,39
65 TO 70 151 TO 158 -
AX 24,35 IX 1464,2 IY 732,1 IZ 732,1 SY 91,52 SZ 91,52
118 TO 123 136 TO 141 157 TO 162 -
AX 27,49 IX 2106,88 IY 1053,44 IZ 1053,44 SY 117,05 SZ 117,05
96 TO 98 115 TO 117 133 TO 135 -
AX 38,04 IX 3574,86 IY 1787,43 IZ 1787,43 SY 178,74 SZ 178,74
172 TO 180 -
AX 91,11 IX 19182,8 IY 9591,4 IZ 9591,4 SY 639,43 SZ 639,43
201 TO 206 213 TO 215 -
AX 221,29 IX 89816,8 IY 44908,4 IZ 44908,4 SY 2138,5 SZ 2138,5
207 TO 212 -
AX 251,33 IX 100808, IY 50404, IZ 50404, SY 2400,2 SZ 2400,2
216 TO 218 -
AX 136,46 IX 41260,8 IY 20630,4 IZ 20630,4 SY 1146,1 SZ 1146,1
181 TO 191 -
AX 141,37 IX 71604,9 IY 35802,4 IZ 35802,4 SY 1556,6 SZ 1556,6
192 TO 200 -
AX 71,47 IX 36995,4 IY 18497,7 IZ 18497,7 SY 804,25 SZ 804,25
82 TO 84 -
AX 27,49 IX 2106,88 IY 1053,44 IZ 1053,44 SY 117,05 SZ 117,05
73 TO 78 109 TO 114 127 TO 132 145 TO 150 166 TO 171 -
AX 50,0 IX 30000, IY 30000, IZ 30000, SY 3000, SZ 6000,

CONSTANTS

E 3000000. ALL

RAYLEIGH LOADING 'DEAD' 'VIBRATING IN X-DIRECTION'

JOINT LOADS

1110	FORCE X	5549,719
1010	FORCE X	25930,352
1007	FORCE X	28,938
910	FORCE X	42200,600
1001	FORCE X	18962,758
907	FORCE X	28,938
810	FORCE X	40924,648
1002	FORCE X	10609,203
1004	FORCE X	11588,656
901	FORCE X	43368,656
807	FORCE X	28,938
710	FORCE X	35021,695
1003	FORCE X	18962,758
1005	FORCE X	11588,656
903	FORCE X	43558,879
1006	FORCE X	19787,609
906	FORCE X	43988,242
902	FORCE X	4918,473
904	FORCE X	5904,473
806	FORCE X	40996,000
801	FORCE X	40759,152
707	FORCE X	28,938
510	FORCE X	18803,129
1008	FORCE X	28,938

908	FORCE X	28,938
905	FORCE X	5904,473
803	FORCE X	40408,461
1009	FORCE X	28,890
909	FORCE X	28,890
809	FORCE X	28,890
805	FORCE X	4908,734
804	FORCE X	4908,734
706	FORCE X	22557,480
701	FORCE X	30846,754
602	FORCE X	4088,420
703	FORCE X	26803,199
507	FORCE X	28,938
401	FORCE X	9896,918
1011	FORCE X	25938,352
911	FORCE X	42208,660
808	FORCE X	28,938
1012	FORCE X	25938,480
912	FORCE X	42208,527
812	FORCE X	40924,652
709	FORCE X	28,890
656	FORCE X	15290,152
705	FORCE X	2854,658
704	FORCE X	2854,658
503	FORCE X	11373,055

702	FORCE X	2637,746
651	FORCE X	12046,922
506	FORCE X	18550,715
708	FORCE X	28,438
653	FORCE X	12046,922
501	FORCE X	11452,137
301	FORCE X	9725,125
1111	FORCE X	5549,719
811	FORCE X	40924,648
1112	FORCE X	5549,461
712	FORCE X	35022,590
515	FORCE X	941,528
508	FORCE X	28,938
514	FORCE X	941,299
403	FORCE X	10014,379
603	FORCE X	10669,531
502	FORCE X	2617,854
505	FORCE X	3031,822
513	FORCE X	941,299
601	FORCE X	1152,264
601	FORCE X	10669,531
509	FORCE X	28,890
406	FORCE X	9886,340
504	FORCE X	3031,822
711	FORCE X	35021,695

603 FORCE X 1152,264
 206 FORCE X 6459,367
 303 FORCE X 9725,922
 306 FORCE X 9724,988
 201 FORCE X 6454,211
 512 FORCE X 18803,172
 511 FORCE X 18866,285
 613 FORCE X 1159,413
 602 FORCE X 1308,612
 611 FORCE X 1159,413
 106 FORCE X 3055,301
 205 FORCE X 1075,113
 204 FORCE X 1075,113
 203 FORCE X 6454,094
 101 FORCE X 3055,027
 202 FORCE X 1075,139
 612 FORCE X 1233,381
 105 FORCE X 1075,113
 104 FORCE X 1075,113
 103 FORCE Y 3055,027
 102 FORCE X 1075,139

LOADING LIST ALL

STIFFNESS ANALYSIS
 TIME FOR CONSISTENCY CHECKS 0.15 SECONDS,
 TIME TO GENERATE 178 ELEMENT STIF. MATRICES 1.30 SECONDS,
 TIME TO PROCESS MEMBER RELEASES 0.07 SECONDS,
 TIME TO ASSEMBLE THE STIFFNESS MATRIX 3.44 SECONDS,
 TIME TO PROCESS 95 JOINTS 1.23 SECONDS,

TIME TO SOLVE WITH 32 PARTITIONS 12.16 SECONDS
TIME TO PROCESS 95 JOINT DISPLACEMENTS 0.16 SECONDS
TIME TO PROCESS 178 MEMBER DISTURBIONS 2.00 SECONDS
TIME FOR STATICS CHECK 0.33 SECONDS

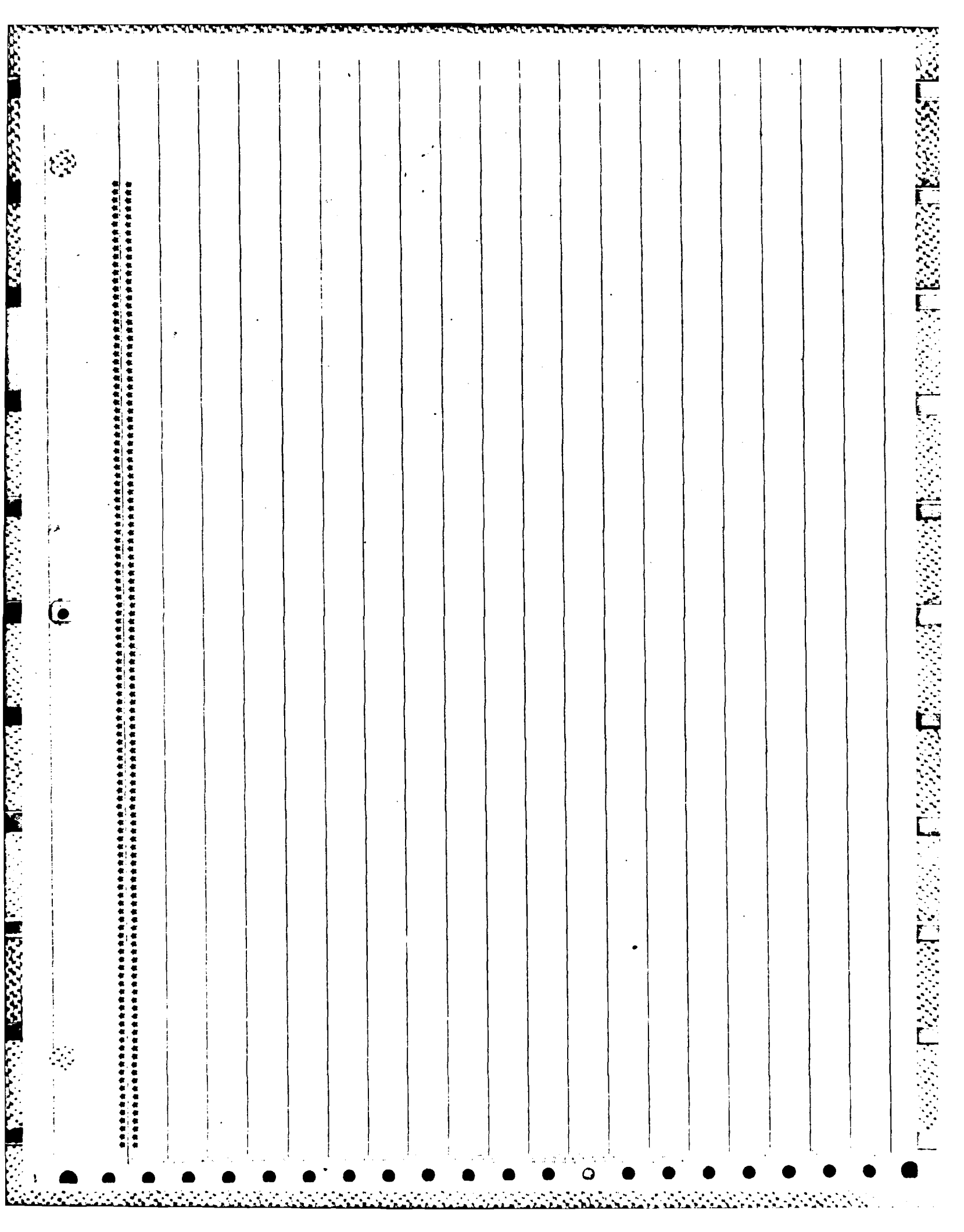
UNIT CYCLES SECONDS

LIST RAYLEIGH NATURAL FREQUENCY

RESULTS OF RAYLEIGH ANALYSIS
=====

LOAD DEAD FREQUENCY 1.4905 HZ, PERIOD 0.6709 SEC

FINISH



ASP JOB NO. = 9103

DATE = 76.190

//LE05655 JOB (0040270500277101PCETENG96),ICHERN 1,PTY=0,CLASS=D,C9103

ELAPSED TIME ON MAIN = A = 015.01, START TIME = 15.05.25

DDNAME = SYMSG

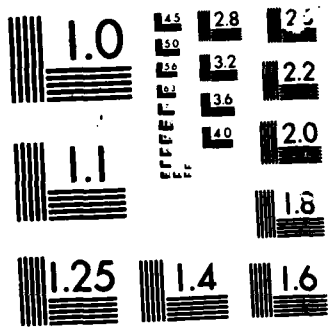
DDNAME = FT06F001

LINES OUTPUT FOR THIS JOB = 000672

PRINTED ON RM027PRI, LINES = 000124

PRINTED ON RM027PRI, LINES = 000546

CARDS FROM MAIN FOR THIS JOB = NONE



MICROCOPY RESOLUTION TEST CHART

* MCDONNELL-ECI ICES EXECUTIVE SYSTEM *

* MAC REL. 2.3 - RELEASED 2/5/73 *
* TIMES 15.46.22, 7/08/76 *

607	24.96	-14.41	64.41
710	18.76	-10.83	91.99
1003	-32.04	-18.50	0.0
1005	-16.02	9.25	0.0
903	-27.42	-15.83	32.00
1006	0.	37.00	0.0
906	0.	31.66	32.00
902	0.	-15.83	32.00
904	13.71	7.91	52.00
806	0.	26.32	64.00
801	22.79	-13.16	64.00
707	20.93	-12.08	92.41
510	15.15	-8.75	116.99
1008	-34.21	-19.75	0.41
908	-29.59	-17.08	32.41
905	-13.71	7.91	32.00
803	-22.79	-13.16	64.00
1009	0.	39.50	0.41
909	0.	34.16	32.41
809	0.	26.82	64.41
805	-11.40	6.58	64.00
804	11.40	6.58	64.00
706	0.	21.66	92.0
701	18.76	-10.83	92.0
802	0.	-13.16	64.00

807	24.96	-16.41	64.41
710	18.76	-10.83	91.99
1003	-32.04	-18.50	0.0
1005	-16.02	9.25	0.0
903	-27.42	-15.83	32.00
1006	0.	37.00	0.0
906	0.	31.66	32.00
902	0.	-15.83	32.00
904	13.71	7.91	32.00
806	0.	26.32	64.00
801	22.79	-13.16	64.00
707	20.93	-12.08	92.41
510	15.15	-8.75	116.99
1008	-34.21	-19.75	0.41
908	-29.59	-17.06	32.41
905	-13.71	7.91	32.00
803	-22.79	-13.16	64.00
1009	0.	39.50	0.41
909	0.	34.16	32.41
809	0.	28.82	64.41
805	-11.40	6.58	64.00
804	11.40	6.58	64.00
706	0.	21.66	92.0
701	18.76	-10.83	92.0
802	0.	-13.16	64.00

703	-10.70	-10.03	92.0
507	17.32	-10.00	117.01
401	14.50	-0.37	121.5
3011	-32.00	-10.50	-0.01
911	-27.02	-15.01	31.99
808	-24.90	-14.01	64.41
1012	0.	37.00	-0.01
912	0.	31.66	51.99
612	0.	20.32	65.99
709	0.	24.16	92.41
656	0.	20.49	99.00
705	-9.30	5.41	92.0
704	9.30	5.41	92.0
503	-15.15	-0.75	117.0
702	0.	-10.03	92.0
651	17.74	-10.25	99.00
506	0.	17.49	117.0
700	-20.93	-12.00	92.41
653	-17.74	-10.25	99.00
501	15.15	-0.75	117.0
301	14.50	-0.37	150.0
1111	-34.21	-19.75	-15.00 8
611	-22.79	-13.16	63.99
1112	0.	39.50	-15.00 8
712	0.	21.66	91.99

515	0.	20.69	117.00
500	-17.52	-10.00	117.41
514	-17.74	-10.25	117.00
403	-14.	-8.37	121.5
603	-16.01	-9.25	111.00
502	0.	-8.75	117.0
505	-7.575	4.37	117.0
513	17.74	-10.25	117.00
601	17.74	-15.25	99.00
601	16.01	-9.25	111.00
509	0.	19.99	117.41
406	0.	16.74	121.5
504	7.575	4.37	117.0
711	-16.76	-10.83	91.99
663	-17.74	-15.25	99.00
206	0.	16.74	165.0
303	-14.50	-8.37	150.0
306	0.	16.74	150.0
201	14.50	-8.37	165.0
512	0.	17.49	116.99
511	-15.15	-8.75	116.99
613	-16.01	-15.25	111.00
662	0.	-15.25	99.00
611	16.01	-15.25	111.00
106	0.	16.74	180.0

205	-7.25	4.10	165.0
204	7.25	4.10	165.0
203	-14.50	-6.37	165.0
101	14.50	-6.37	160.0
202	0.	-6.37	165.0
612	0.	-15.25	111.00
105	-7.25	4.10	160.0
104	7.25	4.10	160.0
103	-14.50	-6.37	160.0
102	0.	-6.37	160.0

JOINT RELEASES

1110 1111 1112 MOM X MOM Y MOM Z

MEMBER INCIDENCES

41	101	102
42	102	103
43	103	105
44	105	106
45	101	104
46	104	106
47	102	104
48	102	105
49	104	105
50	201	202
51	202	203
52	203	205

53 205 206
54 201 204
55 204 206
56 202 204
57 202 205
58 204 205
59 201 303
60 203 306
61 206 301
62 301 303
63 303 306
64 301 306
65 501 502
66 502 503
67 503 505
68 505 506
69 501 504
70 504 506
71 502 504
72 502 505
73 501 507
74 507 510
75 503 508
76 508 511
77 506 509

78	509	512
79	501	513
80	503	514
81	506	515
82	513	651
83	514	653
84	515	656
85	601	611
86	603	613
87	651	661
88	653	663
89	611	612
90	612	613
91	661	662
92	662	663
93	611	661
94	612	662
95	613	663
96	501	703
97	503	706
98	506	701
99	701	702
100	504	505
101	702	703
102	703	705

128	807	810
129	803	808
130	808	811
131	806	809
132	809	812
133	801	903
134	803	906
135	806	901
136	901	902
137	902	903
138	903	905
139	905	906
140	901	904
141	904	906
142	902	904
143	902	905
144	904	905
145	901	907
146	907	910
147	903	908
148	908	911
149	906	909
150	909	912
151	901	1002
152	903	1002

153	903	1005
154	906	1005
155	901	1004
156	906	1004
157	1001	1002
158	1002	1003
159	1003	1005
160	1005	1006
161	1001	1004
162	1004	1006
163	1002	1004
164	1002	1005
165	1004	1005
166	1001	1007
167	1007	1010
168	1005	1008
169	1008	1011
170	1006	1009
171	1009	1012
172	101	201
173	105	203
174	106	206
175	201	301
176	203	305
177	206	306

178 301 401
179 303 403
180 306 406
181 401 501
182 403 503
183 406 506
184 501 601
185 503 603
186 506 656
187 601 651
188 603 653
189 651 701
190 653 703
191 656 706
192 701 801
193 703 803
194 706 806
195 801 901
196 803 903
197 806 906
198 901 1001
199 903 1003
200 906 1006
201 401 510
202 403 511

203 406 512

204 510 710

205 511 711

206 512 712

207 710 810

208 711 811

209 712 812

210 810 910

211 811 911

212 812 912

213 910 1010

214 911 1011

215 912 1012

216 1010 1110

217 1011 1111

218 1012 1112

MEMBER RELEASES

74 76 78 110 112 114 128 130 132 END MOM Y Z END FORCE Y Z

146 148 150 167 169 171 END MOM Y Z END FORCE Y Z

UNIT INCH LBS

MEMBER PROPERTIES PRISMATIC

41 TO 46 50 TO 55 AX 14.70 IX 1.25 IV 802. IZ 40.2 SY 89.1 SZ 10.7

47 TO 49 56 TO 58 AX 7.06 IX .343 IV 82.5 IZ 18.2 SY 20.8 SZ 5.61

59 TO 64 71 72 79 TO 81 100 101 TO 105 99 "

AX 19.24 IX 723.28 IV 361.64 IZ 361.64 SY 56.73 SZ 56.73

106 TO 108 "

AX 14,56 IX 556,82 IV 279,41 IZ 279,41 SV 43,83 SZ 43,83
 124 TO 126 142 TO 144 163 TO 165 -
 AX 16,05 IX 745,72 IV 372,86 IZ 372,86 SV 53,26 SZ 53,26
 89 TO 92 -
 AX 12,76 IX 211,48 IV 105,74 IZ 105,74 SV 24,52 SZ 24,52
 85 TO 88 93 TO 95 -
 AX 26,27 IX 649,2 IV 324,6 IZ 324,6 SV 60,39 SZ 60,39
 65 TO 70 151 TO 156 -
 AX 24,35 IX 1464,2 IV 732,1 IZ 732,1 SV 91,52 SZ 91,52
 118 TO 123 136 TO 141 157 TO 162 -
 AX 27,49 IX 2106,88 IV 1053,44 IZ 1053,44 SV 117,05 SZ 117,05
 96 TO 98 115 TO 117 135 TO 135 -
 AX 58,04 IX 3574,86 IV 1787,43 IZ 1787,43 SV 178,74 SZ 178,74
 172 TO 180 -
 AX 91,11 IX 19162,8 IV 9591,4 IZ 9591,4 SV 639,43 SZ 639,43
 201 TO 206 213 TO 215 -
 AX 221,29 IX 89816,8 IV 44908,4 IZ 44908,4 SV 2138,5 SZ 2138,5
 207 TO 212 -
 AX 251,35 IX 100808, IV 50404, IZ 50404, SV 2400,2 SZ 2400,2
 216 TO 218 -
 AX 136,46 IX 41260,8 IV 20630,4 IZ 20630,4 SV 1146,1 SZ 1146,1
 191 TO 191 -
 AX 141,37 IX 71604,9 IV 35802,4 IZ 35802,4 SV 1556,6 SZ 1556,6
 192 TO 200 -
 AX 71,47 IX 36995,4 IV 18497,7 IZ 18497,7 SV 804,25 SZ 804,25
 82 TO 84 -
 AX 27,49 IX 2106,88 IV 1053,44 IZ 1053,44 SV 117,05 SZ 117,05
 75 TO 76 109 TO 114 127 TO 132 145 TO 150 166 TO 171 -
 AX 50,0 IX 30000, IV 30000, IZ 30000, SV 3000, SZ 6000,

CONSTANTS

E 30000000, ALL

RAYLEIGH LOADING 'DEAD' 'VIBRATING IN THE Y-DIRECTION'

JOINT LOADS

1110	FORCE Y	5549,719
1010	FORCE Y	25938,352
1007	FORCE Y	28,938
910	FORCE Y	42208,660
1001	FORCE Y	19549,332
907	FORCE Y	28,938
810	FORCE Y	40924,648
1002	FORCE Y	12644,625
1004	FORCE Y	10732,500
901	FORCE Y	43404,410
807	FORCE Y	28,938
710	FORCE Y	35021,695
1003	FORCE Y	19549,332
1005	FORCE Y	10732,500
903	FORCE Y	44846,145
1006	FORCE Y	19079,418
906	FORCE Y	42372,965
902	FORCE Y	6164,211
904	FORCE Y	5604,801
806	FORCE Y	59565,238
801	FORCE Y	42554,211
707	FORCE Y	28,938
510	FORCE Y	18803,129
1008	FORCE Y	28,938

908	FORCE Y	28,938
905	FORCE Y	5604,801
803	FORCE Y	39898,013
1009	FORCE Y	28,890
909	FORCE Y	28,890
809	FORCE Y	28,890
805	FORCE Y	4659,695
804	FORCE Y	4659,695
706	FORCE Y	22006,328
701	FORCE Y	29808,012
802	FORCE Y	5124,078
703	FORCE Y	28206,961
507	FORCE Y	28,938
401	FORCE Y	9896,918
1011	FORCE Y	25938,352
911	FORCE Y	42208,660
608	FORCE Y	28,938
1012	FORCE Y	25938,480
912	FORCE Y	42208,527
812	FORCE Y	40924,652
709	FORCE Y	28,890
656	FORCE Y	15290,152
705	FORCE Y	2832,114
704	FORCE Y	2832,114
503	FORCE Y	11238,180

702	FUNCE Y	2958,397
651	FURCE Y	12046,922
506	FUNCE Y	17942,203
708	FURCE Y	28,938
653	FURCE Y	12046,922
501	FUNCE Y	12202,984
301	FURCE Y	9725,125
1111	FURCE Y	5549,719
811	FUNCE Y	40924,648
1112	FURCE Y	5549,461
712	FURCE Y	35022,590
515	FURCE Y	941,528
508	FURCE Y	28,938
514	FURCE Y	941,299
403	FURCE Y	10014,379
603	FURCE Y	10669,531
502	FURCE Y	3155,468
505	FUNCE Y	2912,415
513	FUNCE Y	941,299
661	FUNCE Y	1152,264
601	FURCE Y	10669,531
509	FURCE Y	28,890
406	FURCE Y	9896,340
504	FUNCE Y	2912,415
711	FURCE Y	35021,695

663 FORCE Y 1152,264
 204 FORCE Y 6954,367
 303 FORCE Y 9725,922
 306 FORCE Y 9724,988
 201 FORCE Y 6454,211
 512 FORCE Y 18803,172
 511 FORCE Y 18864,285
 613 FORCE Y 1159,413
 662 FORCE Y 1308,612
 611 FORCE Y 1159,413
 106 FORCE Y 3055,501
 205 FORCE Y 1075,113
 204 FORCE Y 1075,113
 203 FORCE Y 6954,094
 101 FORCE Y 3055,027
 202 FORCE Y 1075,139
 612 FORCE Y 1233,361
 105 FORCE Y 1075,113
 104 FORCE Y 1075,113
 103 FORCE Y 3055,027
 102 FORCE Y 1075,139

LOADING LIST ALL

STIFFNESS ANALYSIS
 TIME FOR CONSISTENCY CHECKS 0.15 SECONDS,
 TIME TO GENERATE 176 ELEMENT STIF. MATRICES 1.28 SECONDS,
 TIME TO PROCESS MEMBER RELEASES 0.06 SECONDS
 TIME TO ASSEMBLE THE STIFFNESS MATRIX 3.37 SECONDS
 TIME TO PROCESS 95 JOINTS 1.21 SECONDS.

ASP JOB NO. = 9642

DATE = 76.190

//L6C955 JOB (0046270500277101PCEIENG96) CHERN ,PRIY#1CLASSED,C9642

ELAPSED TIME ON MAIN = A = 006.30, START TIME = 15.46.15

DDNAME = SYSMG PRINTED ON RMU27PRI, LINES = 000124
DDNAME = FTO6F001 PRINTED ON RM027PRI, LINES = 000540
LINES OUTPUT FOR THIS JOB = 000672

CARDS FROM MAIN FOR THIS JOB = NONE

APPENDIC C
EARTHQUAKE ANALYSIS


```

1340 J0H URIGIN FROM GROUP=MM027 , OSP=CR , DEVICE=RP027R01, 0A3
//LECS055 J0H (00002705002777101PCETENG96), 'CERN', , PRTY=4, CLASS=RD,C
// TIME=(00,00), REGIUN=500K
// *MAIN LINES=(00,0), CARDS=(00,C), SYSTEM=4, FAILURE=RESTART
// *MINI5056 EXEC MINI5056
// *MINI5056, SVSIN DD *
//

```

```

ANDS01 J0H 0030 (LECS055) IN SETUP ON MAIN=2A
ANDS02 STEPLIB USING 0 UNL001 UN 100 TIME=16,38,39
LECS055 IEF4031 LECS055 STARTED
LECS055 IEF234E D 083,ASP083
LECS055 IEF234E D 086,ASP086
LECS055 IEF234E D 087,ASP087
*LECS055 +90 IECA890 083 IS LECS055 A MINI5056MINI5056FT06F001
*LECS055 +97 IECA890 08C IS LECS055 MINI5056MINI5056ASPI0001
LECS055 IEC202E K 08C,010038,NL,LECS055,MINI5056
LECS055 TI=LECS055 CC=00042705 P=2777101 P J=CETENG96 N=CERN A=0030
LECS055 IEF4041 LECS055 ENDED TIME=16,53,24
//LECS055 J0H (00042705002777101PCETENG96), 'CERN', , PRTY=4, CLASS=RD,*
// TIME=(00,00), REGIUN=500K
// *MINI5056 EXEC MINI5056
XASIN15056 EXEC PGM=DDICERS5, PARM=00000
XRSTEPLIB 00 DISP=SHR,UNIT=SYSDA,VOL=SER=ONL001,DSNM=AC,ICESV2P3
XX DSN=ICES,STMU0L,FIK
XX DSN=SER=AC,SDDU0BANG
XX DSN=SER=AC,STR2P5
XX DSN=SER=SHR,UNIT=SYSDA,VOL=SER=ONL001,
XX DSN=SER=AC,TARLE2P5
XX FT05F001 DD DSN=SER=SYSIN
XX FT06F001 DD SYSJUT=2A,DCB=(RECFM=FB,LRECL=133,BLKSIZE=798)
XX FT07F001 DD SYSJUT=2A
XX FT10F001 DD DUMHY
XXD01 DD UNIT=SYSDA,DCB=(DSORG=DA,SPACE=(TRK,10))
XXD02 DD DSN=MAC,STR2P5,DD2,DISP=SHR,DCB=(DSORG=DA,UNIT=SYSDA,
XX VOL=SER=ONL001)
XXD03 DD DSN=DDJ,SDDU0BANG,DISP=SHR,UCB=(DSORG=DA,UNIT=SYSDA,
XX VOL=SER=ONL001)
XXD04 DD UNIT=SYSDA,DCB=(DSORG=DA,BLKSIZE=6300),SPACE=(6300,(500,50))
// *MINI5056, SVSIN DD UNIT=(CTIC,DEFER),DSNM=ASPI0001,
// DISP=(ULD,DELETE),VOL=SER=U10038,DCB=(LRECL=80,BLKSIZE=80,RECFM=FB)
//
IEF2501 ALLUC. FOR LECS055 MINI5056
IEF2571 100 ALLOCATED TO STEPLIB
IEF2571 100 ALLOCATED TO
IEF2571 100 ALLOCATED TO
IEF2571 100 ALLOCATED TO
IEF2571 100 ALLOCATED TO
IEF2571 08C ALLOCATED TO FT05F001
IEF2571 083 ALLOCATED TO FT06F001
IEF2571 086 ALLOCATED TO FT06F002
IEF2571 087 ALLOCATED TO FT07F001
IEF2571 2AA ALLOCATED TO

```

IEP237I 100 ALLOCATED TO DD3
IEP237I 101 ALLOCATED TO DD3
IEP237I 10 ALLOCATED TO DD4
IEP142I * WAS EXECUTED - CUND CODE 0000
IEP205I MAC,ICESV2P3 KEPT
IEP205I VUL SER NUS= ONL001, KEPT
IEP205I ICES,STRUOL,PIA KEPT
IEP205I VUL SER NUS= UNL001, KEPT
IEP205I MAC,SUMUMANG KEPT
IEP205I VUL SER NUS= UNL001, KEPT
IEP205I MAC,STR2P5 KEPT
IEP205I VUL SER NUS= ONL001, KEPT
IEP205I MAC,TAMLE2P5 KEPT
IEP205I VUL SER NUS= ONL001, KEPT
IEP205I SYS76190,7163751,HV001,LECS655,ASPI0001 DELETED
IEP205I VUL SER NUS= 010038, DELETED
IEP205I SYS76190,7163751,RV001,LECS655,ASPOA001 DELETED
IEP205I VUL SER NUS= ASP0H3, DELETED
IEP205I SYS76190,7163751,HV001,LECS655,00005641 DELETED
IEP205I VUL SER NUS= SCH008, KEPT
IEP205I MAC,STR2P5,DD2 KEPT
IEP205I VUL SER NUS= 04L001, KEPT
IEP205I DD3,SOUUBANG KEPT
IEP205I VUL SER NUS= UNL001, KEPT
IEP205I SYS76190,7163751,HV001,LECS655,00005642 DELETED
IEP205I VUL SER NUS= SCH002, KEPT
IEP205I VUL SER NUS= SCH002, KEPT
IEP205I STEP /MINI5656/ START 76190,1638
IEP205I STEP /MINI5656/ STOP 76190,1653 CPU IMIN 18,05SEC STOR VIRT 512K
#####

PACES DATA ACQUISITION SYSTEM

STEP NAME	START TIME	STOP TIME	ELAP, TIME	500 K	512 K	0 K	LCS CORE RECD	LCS CURE USED	0 K	0 K	0 K	STEP CPU
PGM NAME	00UCERS	00UCERS	00,14,45,46	512 K	512 K	0 K	0	0	0	0	0	00,01,14,05
DISPATCH PRTY	1			0 K	0 K	0 K	0	0	0	0	0	00,01,14,05

EXCP STATISTICS

UNIT	EXCP COUNT	UNIT	EXCP COUNT	UNIT	EXCP COUNT	UNIT	EXCP COUNT	UNIT	EXCP COUNT	UNIT	EXCP COUNT
400	0	400	0	400	0	400	0	400	0	400	0
643	3,141	686	0	687	0	294	145	400	10	68C	640
308	3,387										68

EXCP TOTAL 7,411

IEP374I STEP /MINI5656/ TOTAL EXCP 007411
IEP375I JOB /LECS655 / START 76190,1638
IEP376I JOB /LECS655 / STOP 76190,1653 CPU IMIN 14,05SEC

PACES DATA ACQUISITION SYSTEM
JOB LOG NUMBER = LECS655 76190 16.37.50.78
PROGRAMMER CHERN DATE 07/08/76 76.190 INITIATION TIME 16.38.39.17
ACCTG DATA 00482705002777101PCEIENG96 CPU TIME 00.01.14.05 TERMINATION TIME 16.53.24.12
JOBNAME LECS655 PRIORITY 02 ELAPSED TIME 00.16.45.55
SYSTEM ID 08 - 0C CLASS D COMPLETION STATUS C0000

4-DS09 JOB 0038 (LECS655) IN HHEARDOWN

807	26.96	-14.41	64.41
710	16.76	-10.83	91.99
1003	-32.04	-16.50	0.0
1005	-16.02	9.25	0.0
903	-27.42	-15.83	32.00
1006	0.	37.00	0.0
906	0.	31.66	32.00
902	0.	-15.83	32.00
904	13.71	7.91	32.00
806	0.	26.32	64.00
801	22.79	-13.16	64.00
707	20.93	-12.08	92.41
510	15.15	-6.75	116.99
1008	-34.21	-19.75	0.41
908	-29.59	-17.08	32.41
905	-13.71	7.91	32.00
803	-22.79	-13.16	64.00
1009	0.	59.50	0.41
909	0.	34.16	32.41
809	0.	28.82	64.41
805	-11.40	6.58	64.00
804	11.40	6.58	64.00
706	0.	21.66	92.0
701	16.76	-10.83	92.0
802	0.	-13.16	64.00

703	-10,76	-10,03	92,0
507	17,32	-10,00	117,41
401	14,50	-8,37	121,5
1011	-32,04	-16,50	-0,01
911	-27,42	-15,83	31,99
808	-24,96	-14,41	64,41
1012	0,	37,00	-0,01
912	0,	31,66	31,99
812	0,	24,32	63,99
709	0,	24,16	92,41
656	0,	20,49	99,00
705	-9,38	5,41	92,0
704	9,38	5,41	92,0
503	-15,15	-8,75	117,0
702	0,	-10,83	92,0
651	17,74	-10,25	99,00
506	0,	17,49	117,0
708	-20,93	-12,08	92,41
653	-17,74	-10,25	99,00
501	15,15	-8,75	117,0
501	14,50	-8,37	150,0
1111	-34,21	-19,75	-15,00 3
811	-22,79	-13,16	65,99
1112	0,	39,50	-15,00 3
712	0,	21,66	91,99

515	0.	20.49	117.00
508	-17.32	-10.00	117.41
514	-17.74	-10.25	117.00
403	-14.	-8.37	121.5
603	-16.01	-9.25	111.00
502	0.	-8.75	117.0
505	-7.575	4.37	117.0
513	17.74	-10.25	117.00
601	17.74	-15.25	99.00
601	16.01	-9.25	111.00
509	0.	19.99	117.41
406	0.	16.74	121.5
504	7.575	4.37	117.0
711	-18.76	-10.83	91.99
603	-17.74	-15.25	99.00
206	0.	16.74	165.0
303	-14.50	-8.37	150.0
506	0.	16.74	150.0
201	14.50	-8.37	165.0
512	0.	17.49	116.99
5:1	-15.15	-6.75	116.99
613	-16.01	-15.25	111.00
602	0.	-15.25	99.00
611	16.01	-15.25	111.00
106	0.	16.74	160.0

205	-7.25	4.18	165.0
204	7.25	4.18	165.0
203	-14.50	-8.37	165.0
101	14.50	-8.37	180.0
202	0.	-8.37	165.0
012	0.	-15.25	111.00
105	-7.25	4.18	180.0
104	7.25	4.18	180.0
103	-14.50	-8.37	180.0
102	0.	-8.37	180.0

JOINT RELEASES

1110 1111 1112 MOM X MOM Y MOM Z

MEMBER INCIDENCES

41	101	102
42	102	103
43	103	105
44	105	106
45	101	104
46	104	106
47	102	104
48	102	105
49	104	105
50	201	202
51	202	203
52	203	205

53 205 206
54 201 204
55 204 206
56 202 204
57 202 205
58 204 205
59 201 303
60 203 306
61 206 301
62 301 303
63 303 306
64 301 306
65 501 502
66 502 503
67 503 505
68 505 506
69 501 504
70 504 506
71 502 504
72 502 505
73 501 507
74 507 510
75 503 508
76 508 511
77 506 509

78 509 512
79 501 513
80 503 514
81 506 515
82 513 651
83 514 653
84 515 656
85 601 611
86 603 613
87 651 661
88 653 663
89 611 612
90 612 613
91 661 662
92 662 663
93 611 661
94 612 662
95 613 663
96 501 703
97 503 706
98 506 701
99 701 702
100 504 505
101 702 703
102 703 705

103	705	706
104	701	704
105	704	706
106	702	704
107	702	705
108	704	705
109	701	707
110	707	710
111	703	708
112	708	711
113	706	709
114	709	712
115	701	806
116	703	801
117	701	803
118	801	802
119	802	803
120	803	805
121	805	806
122	801	804
123	804	806
124	802	804
125	802	805
126	804	805
127	801	807

128 807 810
129 803 808
130 808 811
131 806 809
132 809 812
133 801 903
134 803 906
135 806 901
136 901 902
137 902 903
138 903 905
139 905 906
140 901 904
141 904 906
142 902 904
143 902 905
144 904 905
145 901 907
146 907 910
147 903 908
148 908 911
149 906 909
150 909 912
151 901 1002
152 903 1002

153	903	1005
154	909	1005
155	901	1004
156	906	1004
157	1001	1002
158	1002	1003
159	1003	1005
160	1005	1006
161	1001	1004
162	1004	1006
163	1002	1004
164	1002	1005
165	1004	1005
166	1001	1007
167	1007	1010
168	1003	1008
169	1008	1011
170	1006	1009
171	1009	1012
172	101	201
173	103	203
174	106	206
175	201	301
176	203	303
177	206	306

178 301 401
179 303 403
180 306 406
181 401 501
182 403 503
183 406 506
184 501 601
185 503 603
186 506 656
187 601 651
188 603 653
189 651 701
190 653 703
191 656 706
192 701 801
193 703 803
194 706 806
195 801 901
196 803 903
197 806 906
198 901 1001
199 903 1006
200 906 1006
201 401 510
202 403 511

203 406 512
204 510 710
205 511 711
206 512 712
207 710 810
208 711 811
209 712 812
210 810 910
211 811 911
212 812 912
213 910 1010
214 911 1011
215 912 1012
216 1010 1110
217 1011 1111
218 1012 1112

MEMBER RELEASES

74 76 78 110 112 114 128 130 132 END MOM Y Z END FORCE Y Z
146 148 150 167 169 171 END MOM Y Z END FORCE Y Z

UNIT INCH LBS

MEMBER PROPERTIES PRISMATIC

41 TO 46 50 TU 55 AX 14,70 IX 1,25 IY 802, IZ 40,2 SY 89,1 SZ 10,7
47 TO 49 56 TU 58 AX 7,06 IX ,343 IY 82,5 IZ 18,2 SY 20,8 SZ 5,61
59 TO 64 71 72 79 TU 81 100 101 TU 105 99 -
AX 19,24 IX 72,28 IY 561,64 IZ 361,64 SY 56,73 SZ 56,73
106 TU 108 -

AX 14.58 IX 558.82 IV 279.41 IZ 279.41 SY 43.83 SZ 43.83
124 TO 126 TO 144 163 TO 165 -
AX 16.05 IX 745.72 IV 372.86 IZ 372.86 SY 53.26 SZ 53.26
89 TO 92 -
AX 12.76 IX 211.48 IV 105.74 IZ 105.74 SY 24.52 SZ 24.52
65 TO 88 93 TO 95 -
AX 26.27 IX 649.2 IV 324.6 IZ 324.6 SY 60.39 SZ 60.39
65 TO 70 151 TO 156 -
AX 24.35 IX 1468.2 IV 732.1 IZ 732.1 SY 91.52 SZ 91.52
118 TO 123 136 TO 141 157 TO 162 -
AX 27.49 IX 2108.88 IV 1053.44 IZ 1053.44 SY 117.05 SZ 117.05
96 TO 98 115 TO 117 133 TO 135 -
AX 38.04 IX 3574.86 IV 1787.43 IZ 1787.43 SY 178.74 SZ 178.74
172 TO 180 -
AX 91.11 IX 19182.8 IV 9591.4 IZ 9591.4 SY 639.43 SZ 639.43
201 TO 206 213 TO 215 -
AX 221.29 IX 89818.8 IV 44908.4 IZ 44908.4 SY 2138.5 SZ 2138.5
207 TO 212 -
AX 251.33 IX 108808. IV 50404. IZ 50404. SY 2400.2 SZ 2400.2
216 TO 218 -
AX 136.46 IX 41260.8 IV 20630.4 IZ 20630.4 SY 1146.1 SZ 1146.1
181 TO 191 -
AX 141.37 IX 71604.9 IV 35802.4 IZ 35802.4 SY 1556.6 SZ 1556.6
192 TO 200 -
AX 71.47 IX 36995.4 IV 18497.7 IZ 18497.7 SY 804.25 SZ 804.25
82 TO 84 -
AX 27.49 IX 2108.88 IV 1053.44 IZ 1053.44 SY 117.05 SZ 117.05
73 TO 78 109 TO 114 127 TO 132 145 TO 150 166 TO 171 -
AX 50.0 IX 30000. IV 30000. IZ 30000. SY 3000. SZ 6000.

CONSTANTS

E 3000000, ALL

LOADING 1 'EARTHQUAKE LOADS IN Y-DIRECTION'

JOINT LOADS

1110	FORCE	Y	0.
1010	FORCE	Y	243.
1007	FORCE	Y	0.
910	FORCE	Y	1247.
1001	FORCE	Y	185.
907	FORCE	Y	0.
810	FORCE	Y	2030.
1002	FORCE	Y	116.
1004	FORCE	Y	102.
901	FORCE	Y	1279.
807	FORCE	Y	0.
710	FORCE	Y	2354.
1003	FORCE	Y	185.
1005	FORCE	Y	102.
903	FORCE	Y	1328.
1006	FORCE	Y	180.
906	FORCE	Y	1247.
902	FORCE	Y	178.
904	FORCE	Y	162.
806	FORCE	Y	1966.
801	FORCE	Y	2094.
707	FORCE	Y	0.
510	FORCE	Y	1563.
1008	FORCE	Y	0.

908 FORCE Y 0.
905 FORCE Y 162.
803 FORCE Y 1979.
1009 FORCE Y 0.
909 FORCE Y 0.
809 FORCE Y 0.
805 FORCE Y 231.
804 FORCE Y 231.
706 FORCE Y 1470.
701 FORCE Y 2003.
902 FORCE Y 257.
703 FORCE Y 1885.
507 FORCE Y 0.
901 FORCE Y 847.
1011 FORCE Y 243.
911 FORCE Y 1247.
809 FORCE Y 0.
1012 FORCE Y 243.
912 FORCE Y 1247.
812 FORCE Y 2030.
709 FORCE Y 0.
656 FORCE Y 1090.
705 FORCE Y 195.
704 FORCE Y 195.
503 FORCE Y 927.

702 FORCE Y 195,
651 FORCE Y 861,
506 FORCE Y 1480,
708 FORCE Y 0,
653 FORCE Y 861,
501 FORCE Y 1008,
301 FORCE Y 1005,
1111 FORCE Y 0,
811 FORCE Y 2030,
1112 FORCE Y 0,
712 FORCE Y 2354,
515 FORCE Y 82,
508 FORCE Y 0,
514 FORCE Y 82,
403 FORCE Y 858,
603 FORCE Y 844,
502 FORCE Y 263,
505 FORCE Y 236,
513 FORCE Y 82,
661 FORCE Y 83,
601 FORCE Y 844,
509 FORCE Y 0,
406 FORCE Y 847,
504 FORCE Y 236,
711 FORCE Y 2354.

663 FORCE Y 85.
206 FORCE Y 752.
303 FORCE Y 1009.
306 FORCE Y 1005.
201 FORCE Y 729.
512 FORCE Y 1563.
511 FORCE Y 1565.
613 FORCE Y 90.
602 FORCE Y 92.
611 FORCE Y 90.
106 FORCE Y 374.
205 FORCE Y 120.
204 FORCE Y 120.
203 FORCE Y 729.
101 FORCE Y 374.
202 FORCE Y 120.
612 FORCE Y 99.
105 FORCE Y 130.
104 FORCE Y 150.
103 FORCE Y 374.
102 FORCE Y 153.

LOADING 2 (EARTHQUAKE LOADS IN X-DIRECTION)

JOINT LOADS

1110 FORCE X 0.
1010 FORCE X 244.

1007 FORCE X 0.
910 FORCE X 1285.
1001 FUMCE X 178.
907 FUMCE X 0.
810 FORCE X 2026.
1002 FORCE X 101.
1004 FUMCE X 108.
901 FORCE X 1277.
807 FORCE X 0.
710 FORCE X 2340.
1003 FUMCE X 178.
1005 FUMCE X 108.
903 FUMCE X 1285.
1006 FORCE X 188.
906 FORCE X 1293.
902 FUMCE X 137.
904 FUMCE X 178.
806 FORCE X 2025.
801 FUMCE X 2013.
707 FUMCE X 0.
510 FUMCE X 1557.
1008 FUMCE X 0.
908 FUMCE X 0.
905 FUMCE X 178.
803 FUMCE X 2013.

1009 FORCE X 0.
909 FORCE X 0.
809 FORCE X 0.
805 FORCE X 244.
804 FORCE X 244.
706 FORCE X 1508.
701 FORCE X 2067.
802 FORCE X 205.
703 FORCE X 1820.
507 FORCE X 0.
801 FORCE X 847.
1011 FORCE X 244.
911 FORCE X 1245.
808 FORCE X 0.
1012 FORCE X 244.
912 FORCE X 1245.
812 FORCE X 2026.
709 FORCE X 0.
656 FORCE X 1094.
705 FORCE X 194.
704 FORCE X 194.
503 FORCE X 942.
702 FORCE X 182.
651 FORCE X 860.
506 FORCE X 1540.

708 FORCE X 0.
653 FORCE X 860.
501 FORCE X 951.
301 FORCE X 1005.
1111 FORCE X 0.
811 FORCE X 2026.
1112 FORCE X 0.
712 FORCE X 2353.
515 FORCE X 82.
508 FORCE X 0.
514 FORCE X 82.
403 FORCE X 856.
603 FORCE X 844.
502 FORCE X 217.
505 FORCE X 244.
513 FORCE X 82.
601 FORCE X 83.
601 FORCE X 844.
509 FORCE X 0.
406 FORCE X 847.
504 FORCE X 244.
711 FORCE X 2340.
603 FORCE X 83.
206 FORCE X 727.
303 FORCE X 1006.

306 FORCE X 1005,
201 FORCE X 726,
512 FORCE X 1557,
511 FORCE X 1557,
613 FORCE X 90,
662 FORCE X 93,
611 FORCE X 90,
106 FORCE X 374,
205 FORCE X 123,
206 FORCE X 123,
203 FORCE X 727,
101 FORCE X 572,
202 FORCE X 123,
612 FORCE X 96,
105 FORCE X 132,
104 FORCE X 132,
103 FORCE X 372,
102 FORCE X 132,

LOADING 3 (GRAVITY AND BUOYANCY)

JOINT LOADS

1110 FORCE Z =5073,498
1010 FORCE Z =13725,039
1007 FORCE Z =24,369
910 FORCE Z =22735,727
1001 FORCE Z =2803,619

907 FORCE Z -24,369
910 FORCE Z -22006,715
1-02 FORCE Z 1391,355
1-04 FORCE Z 1391,377
911 FORCE Z -5710,396
907 FORCE Z -24,369
710 FORCE Z -10896,400
1003 FORCE Z -2403,019
1005 FORCE Z 1391,377
903 FORCE Z -5710,410
1006 FORCE Z -2803,045
906 FORCE Z -5710,270
902 FORCE Z 937,205
904 FORCE Z 937,219
806 FORCE Z -5394,973
801 FORCE Z -5395,117
707 FORCE Z -24,369
510 FORCE Z -9823,598
1000 FORCE Z -24,369
908 FORCE Z -24,369
905 FORCE Z 937,219
803 FORCE Z -5395,113
1009 FORCE Z -24,328
909 FORCE Z -24,328
809 FORCE Z -24,328

805 FORCE Z 779,183
804 FORCE Z 779,183
706 FORCE Z -8434,809
701 FORCE Z -3685,314
802 FORCE Z 779,093
703 FORCE Z -4160,063
507 FORCE Z -24,369
401 FORCE Z -6880,102
1011 FORCE Z -13725,039
911 FORCE Z -22735,727
808 FORCE Z -24,369
1012 FORCE Z -13725,094
912 FORCE Z -22735,633
812 FORCE Z -22668,711
709 FORCE Z -24,328
656 FORCE Z -8153,293
705 FORCE Z -22,413
704 FORCE Z -22,413
503 FORCE Z -2023,574
702 FORCE Z -22,446
651 FORCE Z -5102,770
506 FORCE Z -4552,242
708 FORCE Z -24,369
653 FORCE Z -5102,770
501 FORCE Z -2003,133

301 FORCE Z -9725,125
1111 FORCE Z -3073,499
811 FORCE Z -22664,715
1112 FORCE Z -3073,355
712 FORCE Z -18896,883
515 FORCE Z -941,528
508 FORCE Z -24,369
514 FORCE Z -941,299
403 FORCE Z -6955,160
603 FORCE Z -4091,552
502 FORCE Z -23,174
505 FORCE Z -23,177
513 FORCE Z -941,299
601 FORCE Z -1152,264
501 FORCE Z -4091,552
509 FORCE Z -24,328
406 FORCE Z -6879,840
504 FORCE Z -23,177
711 FORCE Z -18896,406
603 FORCE Z -1152,264
206 FORCE Z -6454,367
303 FORCE Z -9725,922
306 FORCE Z -9724,988
201 FORCE Z -6454,211
512 FORCE Z -9823,609

511 FORCE Z -9855.535
 613 FORCE Z -1159.413
 662 FORCE Z -1306.612
 611 FORCE Z -1159.413
 106 FORCE Z -3055.301
 205 FORCE Z -1075.113
 204 FORCE Z -1075.113
 203 FORCE Z -6454.094
 101 FORCE Z -3055.027
 202 FORCE Z -1075.139
 612 FORCE Z -1235.581
 105 FORCE Z -1075.113
 104 FORCE Z -1075.113
 103 FORCE Z -3055.027
 102 FORCE Z -1075.139

LOADING 4 'TRANSIENT LIVE LOADS == VIBRATING IN Y-DIRECTION'

JOINT LOADS

101 FORCE Y 151.0 FORCE Z -3021.0
 103 FORCE Y 151.0 FORCE Z -3021.0
 106 FORCE Y 151.0 FORCE Z -3021.0
 201 FORCE Y 332.0 FORCE Z -6632.0
 203 FORCE Y 332.0 FORCE Z -6632.0
 206 FORCE Y 332.0 FORCE Z -6632.0

LOADING 5 'TRANSIENT LIVE LOADS == VIBRATING IN X-DIRECTION'

JOINT LOADS

101 FORCE X 151.0 FORCE Z -5021.0
 103 FORCE X 151.0 FORCE Z -5021.0
 106 FORCE X 151.0 FORCE Z -5021.0
 201 FORCE X 332.0 FORCE Z -6632.0
 203 FORCE X 332.0 FORCE Z -6632.0
 206 FORCE X 332.0 FORCE Z -6632.0

LOADING LIST ALL

STIFFNESS ANALYSIS

TIME FOR CONSISTENCY CHECKS 0.15 SECONDS.
 TIME TO GENERATE 178 ELEMENT STIF. MATRICES 1.29 SECONDS.
 TIME TO PROCESS MEMBER RELEASES 0.06 SECONDS
 TIME TO ASSEMBLE THE STIFFNESS MATRIX 3.61 SECONDS
 TIME TO PROCESS 95 JOINTS 1.58 SECONDS
 TIME TO SOLVE WITH 52 PARTITIONS 13.43 SECONDS
 TIME TO PROCESS 95 JOINT DISPLACEMENTS 0.57 SECONDS.
 TIME TO PROCESS 178 MEMBER DISTORTIONS 5.16 SECONDS.
 TIME FOR STATICS CHECK 0.69 SECONDS.

LOADING COMBINATION 6 (VIBRATION IN Y-DIRECTION (COMBINED LOADS))

COMBINE 6 1 1.0 3 1.0 4 1.0
 TIME TO GENERATE COMBINED RESULTS 0.44 SECONDS.

LOADING COMBINATION 7 (VIBRATION IN X-DIRECTION (COMBINED LOADS))

COMBINE 7 2 1.0 3 1.0 5 1.0
 TIME TO GENERATE COMBINED RESULTS 0.44 SECONDS.

OUTPUT DECIMAL 3

LIST FORCES REACTIONS DISPLACEMENTS ALL

RESULTS OF LATEST ANALYSES*

PROBLEM - ACMR TITLE - EARTHQUAKE ANALYSIS OF TRIPUD STRUCTURES AT 105 FT WATER - NAVY

ACTIVE UNITS INCH LB RAD FAHR SEC LBM

LOADING - 1 EARTHQUAKE LOADS IN Y-DIRECTION

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
41	101	-222.617	-7.026	-7.990	2.818	772.543	-895.651		
41	102	222.617	7.026	7.990	-2.818	617.746	-326.933		
42	102	-217.516	0.588	-4.874	-4.220	-714.827	128.382		
42	103	217.516	-0.588	4.874	4.220	1562.914	-26.062		
43	103	-164.566	0.854	-98.493	-0.967	17677.543	121.880		
43	105	164.566	-0.854	98.493	0.967	-547.272	26.665		
44	105	55.795	1.815	-96.037	2.390	766.049	101.904		
44	106	-55.795	-1.815	96.037	-2.390	15947.051	213.929		
45	101	167.554	6.650	93.497	1.982	-14749.793	-867.133		
45	104	-167.554	-6.650	-93.497	-1.982	-1511.586	-289.439		
46	104	387.775	0.008	92.837	-1.721	1176.206	90.657		
46	106	-387.775	-0.008	-92.837	1.721	-17332.418	-89.350		
47	102	75.719	-1.214	1.335	-0.334	100.753	-103.592		
47	104	-75.719	1.214	-1.335	0.334	-332.637	-107.543		
48	102	69.245	0.938	-1.783	0.470	93.090	94.958		
48	105	-69.245	-0.938	1.783	-0.470	216.989	68.112		
49	104	-143.206	0.872	-0.673	-0.155	337.425	91.239		
49	105	143.206	-0.872	0.673	0.155	-220.296	60.456		
50	201	-1327.903	4.518	0.429	1.898	252.390	-641.762		
50	202	1327.903	-4.518	-0.429	-1.898	-327.004	-144.363		
51	202	-1326.849	0.463	2.884	-2.091	302.416	73.131		
51	203	1326.849	-0.463	-2.884	2.091	-804.201	7.510		
52	203	-2116.780	-0.325	-51.541	-1.198	9202.352	68.257		

***** JOINT *****

NO	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
52	205	2118.780	0.325	51.541	1.198	-238.154	-124.868
53	205	-1912.124	5.580	-50.058	0.949	434.967	379.724
54	204	1912.124	-5.540	50.058	-0.949	8276.449	591.235
55	204	3309.965	-3.359	54.816	1.254	-9402.414	-605.690
56	204	-3309.965	3.359	-54.816	-1.254	151.430	21.449
57	204	3510.066	-4.200	53.845	-0.586	-105.541	-258.662
58	204	-3510.066	4.200	-53.845	0.586	-9264.895	-472.267
59	202	64.119	-0.635	1.202	-0.297	26.670	-25.866
60	204	-64.119	0.635	-1.202	0.297	-235.703	84.507
61	202	68.586	0.853	-1.253	0.330	22.426	45.363
62	205	-68.586	-0.853	1.253	-0.330	195.524	103.076
63	204	132.349	1.750	-0.230	-0.048	237.746	152.706
64	205	132.349	-1.750	0.230	0.048	-197.699	151.780
65	201	-126.713	-19.424	-1.701	-2208.622	385.040	-3324.898
66	203	126.713	19.424	1.701	2208.622	281.389	-4285.492
67	203	7132.422	-26.129	-39.820	959.156	6466.973	-3432.092
68	206	-7132.422	26.129	39.820	-959.156	-9132.461	-6803.863
69	206	7220.352	-14.895	-47.290	1468.375	-7485.668	1695.273
70	201	-7220.352	14.895	47.290	-1468.375	11040.156	-4139.891
71	201	1510.164	-19.426	-4.127	-130.805	884.667	-4497.922
72	203	-1510.164	19.426	4.127	130.805	551.572	-2262.512
73	203	4341.613	-11.599	-112.741	-76.768	19870.105	1910.475
74	206	-4341.613	11.599	112.741	76.768	-19358.219	2125.339
75	206	3044.728	-35.521	-111.247	265.688	-19174.156	-7190.379
76	201	-3044.728	35.521	111.247	-265.688	19534.328	-5169.309
77	201	6070.543	-105.976	-34.697	5381.309	-3733.964	-17185.340
78	202	-6070.543	105.976	34.697	-5381.309	2610.582	-2081.155
79	202	6165.383	-30.345	-22.550	-5536.227	2693.044	-5241.281
80	203	-6165.383	30.345	22.550	5536.227	-1406.610	8859.723
81	203	9379.852	-34.322	-166.116	-3812.047	29214.555	-232.714
82	206	-9379.852	34.322	166.116	3812.047	-984.755	1892.933
83	205	8451.285	-194.047	-196.853	1018.396	3879.967	12914.289
84	206	-8451.285	194.047	196.853	-1018.396	-31907.313	22362.843
85	201	10965.414	-61.455	-142.322	2049.263	-26905.262	-15439.609
86	204	-10965.414	61.455	142.322	-2049.263	1031.503	4267.273
87	204	11184.758	-193.774	-169.033	-3396.983	-4262.902	-13435.242
88	206	-11184.758	193.774	169.033	3396.983	-26466.691	-21792.285
89	202	36.229	-20.970	-51.212	-2752.988	4643.957	-769.427
90	204	-36.229	20.970	51.212	2752.988	1030.242	-5042.931
91	202	245.996	32.442	26.236	2741.867	-4790.055	1544.441
92	205	-245.996	-32.442	-26.236	-2741.867	20.428	4357.141
93	201	1151.035	0.415	4.459	-95867.063	-170.328	-358.709
94	207	-1151.035	-0.415	-4.459	95867.063	54.559	371.344
95	207	1151.044	0.0	0.0	95867.813	0.0	0.0

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
74	510	1151.044	0.0	0.0	-9507.813	0.0	0.0
75	503	5393.540	1.944	-20.891	15908.367	641.916	-2.572
75	508	-5393.540	-1.944	20.891	-15908.367	-5.749	61.777
76	508	5393.383	0.0	0.0	-15948.488	0.0	0.0
77	511	5393.383	0.0	0.0	15948.488	0.0	0.0
77	506	-5810.637	22.641	0.000	-43313.254	168.773	608.517
77	509	5810.637	-22.641	-0.000	43313.254	-168.773	-0.000
78	509	5810.680	0.0	0.0	43313.582	0.0	0.0
78	512	-5810.680	0.0	0.0	-43313.582	0.0	0.0
79	501	250.069	-77.841	-2383.724	-297.564	5507.648	-3159.281
79	513	-250.069	77.841	2383.724	297.564	-29916.191	362.545
80	503	241.589	-120.957	1838.673	1146.774	-42583.313	-1856.252
80	514	-241.589	120.957	-1838.673	-1146.774	-23454.465	-2488.033
81	506	-515.816	42.542	4454.348	561.270	-103682.875	-242.916
81	515	515.816	-42.542	-4454.348	-561.270	-56673.633	1774.414
82	513	2343.724	-110.687	177.346	362.545	-25738.828	-15250.570
82	651	-2343.724	110.687	-177.346	-362.545	-12576.480	-8657.727
83	514	1656.673	-143.647	148.266	2488.033	19721.578	-12747.016
83	653	-1656.673	143.647	-148.266	-2488.033	12303.875	-16240.656
84	515	-4454.348	-433.816	42.542	1774.414	561.270	-56673.633
84	656	4454.348	433.816	-42.542	-1774.414	6627.719	-37030.719
85	601	172.384	124.943	-134.036	-325.776	5942.941	13658.633
85	611	-172.384	-124.943	134.036	325.776	-3707.640	-4462.746
86	603	161.489	-159.832	-231.943	182.814	12046.261	-15726.027
86	613	-161.489	159.832	231.943	-182.814	-4653.540	2218.141
87	651	106.466	145.652	129.216	-610.319	-7402.816	14415.230
87	661	-106.466	-145.652	-129.216	610.319	-350.170	-5676.137
88	653	94.662	-110.763	236.762	-166.276	-14096.328	-9734.688
88	663	-94.662	110.763	-236.762	166.276	-109.595	3088.934
89	611	-115.833	-59.238	2.999	157.142	-277.520	-5611.086
89	612	115.833	59.238	-2.999	-157.142	-255.944	-5769.750
90	612	-122.498	42.844	2.452	-395.656	-311.248	5494.773
90	613	122.498	-42.844	-2.452	395.656	-311.248	2736.083
91	661	-134.762	-48.611	1.820	-132.664	-173.734	-5208.305
91	662	134.762	48.611	-1.820	132.664	-213.614	-5140.098
92	662	-148.096	40.506	1.867	-23.757	-212.545	5415.074
92	663	148.096	-40.506	-1.867	23.757	-184.879	3165.247
93	611	130.996	-23.146	9.681	432.009	624.406	-3649.486
93	661	-130.996	23.146	-9.681	-432.009	784.053	262.036
94	612	0.047	-3.083	6.666	274.976	533.465	-552.798
94	662	-0.047	3.083	-6.666	-274.976	426.409	106.907
95	613	237.818	-26.644	3.434	94.531	128.435	-4244.324
95	663	-237.818	26.644	-3.434	-94.531	371.155	120.900
96	501	-397.423	-124.381	10.651	-5970.141	-8108.242	-26830.641

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
96	703	387,423	124,381	-10,651	5970,181	-1287,063	-36127,227
97	503	28276,074	-95,130	-178,866	-2912,787	36082,707	-22327,781
97	706	-28276,074	95,130	178,866	2912,787	54455,005	-25824,091
99	506	-19358,113	-8,151	128,958	2602,000	-27138,719	-4733,230
98	701	19358,113	8,151	-128,958	-2602,000	-38131,313	607,633
99	701	-2466,517	-62,032	6,676	989,686	-309,550	-9507,516
99	702	2466,517	62,032	-6,676	-989,686	-1193,276	-4457,086
100	504	-224,312	70,348	4,501	409,013	3433,016	6125,035
100	505	224,312	-70,348	-4,501	-409,013	-4251,343	6664,215
101	702	-2456,747	7,131	-10,505	-4165,418	562,319	2314,130
101	703	2456,747	-7,131	10,505	4165,418	1802,400	-708,750
102	703	-9227,527	18,053	-91,019	-2199,456	16504,422	3746,654
102	705	8896,270	-18,053	91,019	2199,456	1979,466	316,113
103	705	-8896,270	36,232	-94,912	-1200,622	2612,512	2856,511
103	706	8896,270	-36,232	94,912	1200,622	18757,445	5301,505
104	701	-993,166	-36,614	20,770	330,956	-5461,102	-7251,086
104	704	993,166	36,614	-20,770	-330,956	786,900	-968,993
105	704	-730,605	-48,987	34,056	-3610,765	-1133,956	-3890,897
105	706	730,605	48,987	-34,056	3610,765	-6534,027	-7138,691
106	702	63,128	-15,747	18,178	-1398,815	2529,748	-1304,495
106	704	-63,128	15,747	-18,178	1398,815	1561,290	-2239,451
107	702	66,176	8,848	-0,998	1632,421	-1672,668	838,463
107	705	-66,176	-8,848	0,998	-1632,421	1897,261	1152,712
108	704	187,419	20,702	4,891	1017,613	1594,902	2640,429
108	705	-187,419	-20,702	-4,891	-1017,613	-2696,042	2019,912
109	701	646,883	0,234	2,513	-63359,813	-106,588	-315,773
109	707	-646,883	-0,234	-2,513	63359,813	30,050	322,896
110	707	646,883	0,0	0,0	83360,438	0,0	0,0
110	710	-646,883	-0,0	0,0	-83360,438	0,0	0,0
111	703	5545,356	-1,999	21,480	192902,375	-584,556	-808,045
111	708	-5545,356	1,999	-21,480	-192902,375	-69,538	747,212
112	708	5545,379	0,0	0,0	-192903,813	0,0	0,0
112	711	-5545,379	0,0	0,0	192903,813	0,0	0,0
113	706	6140,632	-24,084	0,000	103388,938	-402,661	-732,170
113	709	-6140,632	24,084	-0,000	-103388,938	402,661	-0,000
114	709	6140,679	0,0	0,0	-103389,688	0,0	0,0
114	712	-6140,679	0,0	0,0	103389,688	0,0	0,0
115	701	20347,667	-24,860	48,652	-7813,871	-17812,270	4276,203
115	806	-20347,667	24,860	-48,652	7813,871	-11472,688	-19239,742
116	703	2739,671	26,041	-26,342	1586,809	7831,742	2186,896
116	801	-2739,671	-26,041	26,342	-1586,809	9227,219	13485,063
117	701	869,562	24,433	10,550	-8807,352	-4775,449	20964,215
117	803	-869,562	-24,433	-10,550	8807,352	-1574,448	-6258,031
118	801	-3037,527	53,484	25,990	375,185	-2437,985	12841,164

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
118	802	3037.527	-53.484	-25.990	-375.185	-4669.637	1785.630
119	802	-3153.631	65.861	-27.703	-11779.031	2712.778	5036.109
119	803	3133.631	-65.861	27.703	11779.031	4863.445	12975.426
120	803	-11313.559	-48.913	-211.189	-6406.992	55116.004	-8980.965
120	805	11313.559	48.913	211.189	6406.992	2636.694	-4396.082
121	805	-10881.480	-26.602	-222.721	-3446.701	4110.934	1321.309
121	806	10881.480	26.602	222.721	3446.701	56812.938	-8598.102
122	801	2683.333	90.607	44.164	-572.550	-14181.398	16327.082
122	804	-2683.333	-90.607	-44.164	572.550	2103.230	8452.352
123	804	3104.271	0.867	86.325	-10115.188	-1919.934	-4927.965
123	806	-3104.271	-0.867	-86.325	10115.188	-21693.688	5165.078
124	802	80.267	22.018	-43.992	-2304.528	6897.461	3574.222
124	804	-80.267	-22.018	43.992	2304.528	5136.406	2448.081
125	802	200.710	-19.405	9.700	2950.522	-4103.137	-5247.512
125	805	-200.710	19.405	-9.700	-2950.522	1449.712	-2060.516
126	804	-310.201	-7.639	1.832	1636.158	3608.152	-1075.703
126	805	310.201	7.639	-1.832	-1636.158	-4109.320	-1014.260
127	801	-259.320	0.093	-1.004	160785.750	88.548	619.960
127	807	259.320	-0.093	1.004	-160785.750	-57.961	-622.807
128	807	-259.322	0.0	0.0	160787.000	0.0	0.0
128	810	259.322	0.0	0.0	-160787.000	0.0	0.0
129	805	4574.066	-1.649	-17.718	104877.500	577.336	-356.035
129	808	-4574.066	1.649	17.718	-104877.500	-37.807	406.245
130	806	-4574.102	0.0	0.0	104878.313	0.0	0.0
130	811	4574.102	0.0	0.0	-104878.313	0.0	0.0
131	806	-4686.930	18.263	0.000	212753.375	-829.006	555.205
131	809	4686.930	-18.263	-0.000	-212753.375	829.006	-0.000
132	809	-4686.965	0.0	0.0	212755.000	0.0	0.0
132	812	4686.965	0.0	0.0	-212755.000	0.0	0.0
133	801	-354.680	36.729	12.372	-1826.667	-3211.233	17944.957
133	803	354.680	-36.729	-12.372	1826.667	-5637.020	8323.938
134	803	-25650.691	-105.273	-49.889	-2264.238	20161.645	-42240.652
134	806	25650.691	105.273	49.889	2264.238	15519.129	-33011.059
135	806	-20727.141	-86.428	-7.751	-2604.929	2908.633	-32976.934
135	901	20727.141	86.428	7.751	2604.929	-8452.934	-28439.094
136	901	-1392.129	33.881	8.962	3033.016	-381.071	9413.749
136	902	1392.129	-33.881	-8.962	-3033.016	-2567.942	1734.254
137	902	-1326.074	36.048	-9.531	-2743.165	2725.250	3456.077
137	903	1326.074	-36.048	9.531	2743.165	410.688	8403.055
138	903	-10226.477	-40.761	-52.182	-2481.720	16804.207	-7658.164
138	905	10226.477	40.761	52.182	2481.720	358.409	-5751.082
139	905	-9925.359	1.538	-61.578	250.281	1904.558	3898.482
139	906	9925.359	-1.538	61.578	-250.281	18359.270	-3392.405
140	901	6757.621	46.056	46.735	1876.731	-16060.680	9679.624

-LEADER FORCES

MEMBER	JOINT	AXIAL	SHEAR V	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
140	904	-6757.621	-46.056	-46.735	-1876.731	686.276	5471.496
141	904	7037.918	-3.022	55.832	-1288.902	-2414.969	-3927.865
141	906	-7037.918	3.022	-55.832	1288.902	-15958.117	2933.301
142	902	56.875	12.027	-9.621	-1452.818	2427.126	2592.809
142	904	-56.875	-12.027	9.621	1452.818	737.949	1363.639
143	902	146.457	-12.518	8.872	1376.329	-2609.233	-2597.520
143	905	-146.457	12.518	-8.872	-1376.329	-309.410	-1520.496
144	904	199.601	-1.556	0.523	173.233	1978.455	-179.994
144	905	-199.601	1.556	-0.523	-173.233	-2150.671	-332.108
145	901	6421.434	2.459	26.423	535014.938	-611.753	2147.276
145	907	-6421.434	-2.459	-26.423	-535014.938	-192.863	-2072.396
146	907	-6421.484	0.0	0.0	-535018.938	0.0	0.0
146	910	6421.484	0.0	0.0	535018.938	0.0	0.0
147	903	5474.805	2.118	-22.756	-599351.563	476.902	2386.094
147	908	-5474.805	-2.118	22.756	599351.563	216.055	-2321.606
148	908	-5474.852	0.0	0.0	599356.125	0.0	0.0
148	911	5474.852	0.0	0.0	-599356.125	0.0	0.0
149	906	-12944.078	50.048	0.000	-89251.000	347.772	1521.486
149	909	12944.078	-50.048	-0.000	89251.000	-347.772	-1521.486
150	909	-12844.176	0.0	0.0	89251.688	0.0	0.0
150	912	12844.176	0.0	0.0	-89251.688	0.0	0.0
151	901	77.378	8.359	-6.932	1065.294	2812.777	2344.337
151	1002	-77.378	-8.359	6.932	-1065.294	1713.242	1891.271
152	903	144.053	-11.972	6.502	84.866	-2192.833	-3621.083
152	1002	-144.053	11.972	-6.502	-84.866	-1101.553	-2245.421
153	903	20788.730	-6.132	9.243	-323.473	-1339.706	-4772.172
153	1005	-20788.730	6.132	-9.243	323.473	-3343.532	1664.889
154	906	-20949.453	26.803	-2.773	986.388	2023.862	5002.980
154	1005	20949.453	-26.803	2.773	-986.388	-3428.854	8577.559
155	901	20782.773	9.505	-15.001	866.152	1293.903	71.423
155	1004	-20782.773	-9.505	15.001	-866.152	6307.117	4744.617
156	906	-20851.461	7.272	-6.901	1118.543	1091.238	-1039.406
156	1004	20851.461	-7.272	6.901	-1118.543	2405.258	4724.156
157	1001	-6215.129	4.208	-49.243	6769.828	11608.938	3709.165
157	1002	6215.129	-4.208	49.243	-6769.828	7324.148	-2091.394
158	1002	-6244.289	9.443	51.549	5494.387	-7009.777	2064.521
158	1003	6244.289	-9.443	-51.549	-5494.387	-12809.703	1566.145
159	1003	-10675.211	10.685	-119.261	5403.453	33065.223	2974.064
159	1005	10675.211	-10.685	119.261	-5403.453	12791.352	1154.257
160	1005	16593.840	-0.602	-49.170	686.807	-86.396	1508.438
160	1006	-16593.840	0.602	49.170	-686.807	1892.449	-1740.036
161	1001	-10350.281	26.830	99.511	4181.520	-30871.516	6543.551
161	1004	10350.281	-26.830	-99.511	-4181.520	7391.258	1772.916
162	1004	16887.574	45.263	61.968	-1995.317	-4437.793	5537.227

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
102	1006	-16997.574	-43.263	-61.968	1995.317	-19389.489	11097.637
103	1002	72.372	7.922	-25.505	-1466.092	5610.605	1351.219
104	1004	-72.372	-7.922	25.505	1466.092	4196.223	1694.717
105	1002	33.632	1.217	-31.296	-1268.146	-7262.668	-471.260
106	1005	-33.632	-1.217	31.296	1268.146	-4770.547	3.525
107	1004	94.257	-6.121	6.655	274.512	704.102	-1201.334
108	1005	-94.257	6.121	-6.655	-274.512	-3262.625	-382.977
109	1001	-14544.501	-5.238	-56.282	581448.375	1923.291	2090.535
100	1007	14544.501	5.238	56.282	-581448.375	-209.410	-2250.045
107	1007	14544.410	0.0	0.0	-581452.750	0.0	0.0
107	1010	-14544.410	0.0	0.0	581452.750	0.0	0.0
108	1003	-14737.484	-5.308	57.030	-603089.625	-1953.850	2172.162
108	1008	14737.484	5.308	-57.030	603089.625	217.204	-2333.790
109	1008	14737.594	0.0	0.0	603094.125	0.0	0.0
109	1011	-14737.594	0.0	0.0	-603094.125	0.0	0.0
170	1006	29256.750	-113.889	-0.000	4143.945	-16.131	-3462.310
170	1009	-29256.750	113.889	0.000	-4143.945	16.131	-0.000
171	1009	-29256.949	0.0	0.0	-4143.977	0.0	0.0
171	1012	29256.949	0.0	0.0	4143.977	0.0	0.0
172	101	-85.507	239.268	-133.045	1762.784	6603.865	12775.629
172	201	85.507	-239.268	133.045	-1762.784	17344.211	30292.594
173	103	-103.368	516.658	300.574	147.942	-10404.742	15311.660
173	203	103.368	-516.658	-300.574	-147.942	43698.621	77686.750
174	106	184.675	759.074	-167.529	303.278	693.154	28824.426
174	206	-184.675	-759.074	167.529	-303.278	29462.109	107808.875
175	101	-81.027	1872.202	85.905	6978.164	-13279.449	-22582.730
175	301	81.027	-1872.202	-85.905	-6978.164	2185.398	-314413.625
176	103	-3471.316	2386.343	-484.267	958.947	35030.148	-64217.051
176	303	3471.316	-2386.343	484.267	-958.947	48537.973	-345684.625
177	106	3651.450	2668.592	294.274	3653.600	-23054.469	-86047.625
177	306	-3651.450	-2668.592	-294.274	-3653.600	29914.922	-392262.938
178	101	-3546.619	2077.587	-31.535	22569.234	16582.973	540550.813
178	401	3546.619	-2077.587	31.535	-22569.234	-5798.004	369915.438
179	103	-3641.762	2335.778	582.436	14709.211	-59373.836	386716.000
179	303	3641.762	-2335.778	-582.436	-14709.211	71459.375	412242.750
180	106	7194.727	2670.834	-286.962	11710.523	25201.133	436048.813
180	406	-7194.727	-2670.834	286.962	-11710.523	72939.750	477376.625
181	101	50356.262	6279.828	2159.294	-30953.176	-130032.675	135197.000
181	501	-50356.262	-6279.828	-2159.294	30953.176	11810.152	206627.675
182	103	-50280.555	5672.746	1957.864	89748.125	-83672.188	18436.039
182	503	50280.555	-5672.746	-1957.864	-89748.125	25814.836	298793.500
183	106	-100525.063	2737.858	-248.702	-677.756	50316.270	-88252.375
183	506	100525.063	-2737.858	248.702	677.756	-36701.113	238136.063
184	101	48573.793	-1454.694	521.105	27300.824	-83434.125	-120133.375

MEMBER FORCES

MEMBER	JUINT	AXIAL	FURCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
184	601	-48573.793	1434.694	-521.105	-27300.824	45402.391	15425.281
185	503	32292.551	-4243.586	-506.225	78552.000	34086.820	-243148.500
186	603	-32292.551	4243.586	506.225	-78552.000	2858.925	-66560.688
187	506	-85454.750	-2996.642	-2049.881	55349.555	87412.125	-274804.250
188	606	85454.750	2996.642	2049.881	-55349.555	361469.688	-341398.563
189	601	44316.656	-434.554	377.120	39942.582	44486.797	-23275.547
190	651	-44316.656	434.554	-377.120	-39942.582	-10366.277	-40161.898
191	603	31958.738	-3262.525	-355.121	66656.188	-3657.417	52742.644
192	653	-31958.738	3262.525	355.121	-66656.188	55498.949	-529015.313
193	651	50753.699	601.471	-26.841	55912.941	23462.191	53462.051
194	701	-50753.699	-601.471	26.841	-55912.941	-21376.105	-2633.550
195	653	33943.563	-300.453	-45.069	55050.305	-69012.750	560102.313
196	703	-33943.563	300.453	45.069	-55050.305	72851.375	-756036.375
197	606	90140.688	-1571.604	-2092.423	55510.773	-370297.375	418429.513
198	706	-90140.688	1571.604	2092.423	-55510.773	548499.063	-552275.313
199	601	27072.691	-108.788	272.041	69655.125	32976.664	76267.813
200	701	-27072.691	108.788	-272.041	-69655.125	59683.836	-113522.375
201	603	30539.949	4595.789	-90.026	81932.188	9860.363	971904.313
202	703	-30539.949	-4595.789	90.026	-81932.188	20403.465	-593476.688
203	606	71115.188	-2650.634	-3749.809	78305.125	-706359.813	616038.250
204	706	-71115.188	2650.634	3749.809	-78305.125	584530.750	-246824.938
205	601	28777.223	-574.882	-131.058	37770.352	20959.992	-27492.883
206	701	-28777.223	574.882	131.058	-37770.352	30065.313	-196319.625
207	603	17979.203	-1568.279	195.863	36512.512	-9793.656	-390286.938
208	703	-17979.203	1568.279	-195.863	-36512.512	66459.438	-220273.813
209	606	49253.793	-685.205	-1191.304	38119.996	346667.938	-166321.688
210	706	-49253.793	685.205	1191.304	-38119.996	117118.250	-92649.188
211	601	2400.032	-1776.618	-1356.767	6488.859	242815.125	-222229.813
212	701	-2400.032	1776.618	1356.767	-6488.859	285378.938	-469411.250
213	603	2507.663	-1979.770	1551.415	4500.066	-230318.563	-282162.813
214	703	-2507.663	1979.770	-1551.415	-4500.066	-295790.000	448565.563
215	606	4947.555	-475.715	-104.866	12811.898	39429.813	154081.313
216	706	-4947.555	475.715	104.866	-12811.898	-2952.890	-3119.125
217	601	54102.637	-3698.541	-1700.478	212.455	133279.813	-504535.875
218	701	-54102.637	3698.541	1700.478	-212.455	-39976.152	304343.688
219	603	54143.953	-2775.177	-2523.645	27071.238	164901.063	-412121.000
220	703	-54143.953	2775.177	2523.645	-27071.238	-23481.922	256606.563
221	606	108200.375	-411.749	-38.260	282.425	-124188.688	-389124.188
222	706	-108200.375	411.749	38.260	-282.425	120287.750	366534.250
223	601	54250.320	-2603.088	-645.035	270.245	87350.000	-387696.563
224	701	-54250.320	2603.088	645.035	-270.245	-121014.813	-403999.875
225	603	54237.945	-5916.493	-1451.293	247.609	15374.871	-272089.750
226	703	-54237.945	5916.493	1451.293	-247.609	428017.750	-919062.313
227	606	108464.063	-4733.637	-38.260	270.971	-169601.438	-366533.625
228	706	-108464.063	4733.637	38.260	-270.971	169601.438	366533.625

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110	0.0	0.0	0.0	-0.001	-0.000	-0.000
1111	0.0	0.0	0.0	-0.001	0.000	-0.000
1112	0.0	0.0	0.0	-0.001	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010	-0.055	0.091	-0.010	-0.000	-0.000	-0.000
1007	0.008	0.172	0.018	-0.000	0.000	-0.000
910	-0.007	0.199	-0.012	-0.000	0.000	-0.000
1001	0.008	0.171	0.015	-0.000	0.000	0.000
907	0.003	0.223	0.011	-0.000	0.000	0.000
910	0.010	0.260	-0.012	-0.000	0.000	-0.000
1002	0.005	0.162	0.013	-0.000	-0.000	0.000
1004	-0.006	0.168	-0.010	-0.000	0.000	0.000
901	0.002	0.222	0.010	-0.000	0.000	0.000
807	0.005	0.255	0.003	-0.000	0.000	-0.000
710	0.010	0.276	-0.011	-0.000	-0.000	-0.000
1003	0.002	0.146	0.013	-0.000	-0.000	0.000
1005	-0.006	0.156	-0.005	-0.000	-0.000	0.000
903	0.004	0.193	0.009	-0.000	-0.000	0.000
1006	-0.016	0.154	-0.032	-0.000	0.000	-0.000
906	-0.008	0.209	-0.021	-0.000	-0.000	-0.000
902	0.003	0.209	0.012	-0.000	-0.000	0.000
904	-0.006	0.214	-0.004	-0.000	0.000	0.000
806	0.001	0.251	-0.005	-0.000	0.000	-0.000
801	0.005	0.255	0.002	-0.000	0.000	-0.000
707	0.003	0.267	-0.003	0.000	-0.000	-0.000
510	0.004	0.271	-0.008	0.000	-0.000	-0.000
1008	0.002	0.146	0.015	-0.000	-0.000	0.000
908	0.004	0.193	0.010	-0.000	-0.000	0.000
905	-0.006	0.203	-0.007	-0.000	-0.000	-0.000
803	0.003	0.241	0.001	-0.000	0.000	0.000
1009	-0.016	0.153	-0.036	-0.000	0.000	-0.000
909	-0.004	0.210	-0.025	-0.000	0.000	-0.000
809	0.002	0.252	-0.010	-0.000	0.000	-0.000
805	-0.000	0.247	-0.002	-0.000	-0.000	0.000
804	0.000	0.252	-0.002	-0.000	0.000	0.000
706	0.008	0.295	0.013	-0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
701	0.004	0.268	-0.004	-0.000	-0.000	-0.000
802	0.004	0.250	0.003	-0.000	-0.000	0.000
703	0.002	0.313	-0.009	-0.000	-0.000	-0.000
507	0.002	0.269	-0.007	0.000	-0.000	-0.000
401	0.003	0.272	-0.004	-0.000	-0.000	-0.000
1011	0.050	0.089	-0.009	-0.000	-0.000	-0.000
911	-0.002	0.196	-0.010	-0.000	-0.000	-0.000
808	0.005	0.242	0.004	-0.000	0.000	-0.000
1012	0.004	0.143	0.019	-0.000	0.000	-0.000
912	0.014	0.202	0.022	-0.000	0.000	-0.000
812	0.029	0.246	0.024	-0.000	0.000	-0.000
709	0.051	0.295	0.012	-0.000	0.000	-0.000
556	0.051	0.296	0.015	-0.000	0.000	-0.000
705	0.024	0.305	0.002	0.000	-0.000	-0.000
704	0.024	0.290	0.004	0.000	0.000	-0.000
503	0.000	0.315	-0.012	-0.000	-0.000	-0.000
702	0.003	0.292	-0.006	-0.000	-0.000	-0.000
651	0.004	0.269	-0.005	-0.000	-0.000	-0.000
506	0.050	0.292	0.019	0.000	0.000	-0.000
708	0.001	0.315	-0.008	-0.000	0.000	-0.000
653	0.002	0.317	-0.010	-0.000	-0.000	-0.000
501	0.004	0.271	-0.007	-0.000	-0.000	-0.000
301	0.001	0.301	-0.008	-0.000	-0.000	-0.000
811	0.018	0.274	-0.012	-0.000	-0.000	-0.000
712	0.045	0.292	0.027	-0.000	0.000	-0.000
515	0.055	0.292	0.017	-0.000	0.000	-0.000
508	0.001	0.318	-0.012	-0.000	-0.000	-0.000
514	0.002	0.319	-0.011	-0.000	-0.000	-0.000
403	0.000	0.314	-0.012	-0.000	-0.000	-0.000
603	0.001	0.316	-0.011	-0.000	-0.000	-0.000
502	0.002	0.292	-0.009	0.000	-0.000	-0.000
505	0.024	0.304	0.003	0.000	-0.000	-0.000
513	0.002	0.269	-0.005	-0.000	-0.000	-0.000
601	0.002	0.269	-0.005	0.000	-0.000	-0.000
601	0.004	0.270	-0.006	0.000	-0.000	-0.000
509	0.054	0.292	0.020	0.000	0.000	-0.000
406	0.050	0.291	0.020	0.000	0.000	-0.000
504	0.024	0.280	0.005	0.000	0.000	-0.000
711	0.001	0.316	-0.015	-0.000	0.000	-0.000
603	0.002	0.317	-0.010	0.000	-0.000	-0.000
206	0.043	0.317	0.019	0.000	-0.000	-0.000
303	0.000	0.349	-0.012	-0.000	-0.000	-0.000
306	0.046	0.326	0.020	-0.000	-0.000	-0.000
201	0.002	0.293	-0.008	0.000	-0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
512	0.050	0.292	0.021	0.000	0.000	-0.000
511	0.000	0.515	-0.013	0.000	-0.000	-0.000
613	-0.004	0.316	-0.010	-0.000	-0.000	-0.000
662	-0.002	0.508	-0.008	0.000	-0.000	-0.000
611	-0.004	0.270	-0.006	-0.000	-0.000	-0.000
106	0.040	0.507	0.019	0.000	-0.000	-0.000
205	0.019	0.530	0.004	0.000	-0.000	-0.000
204	0.019	0.504	0.006	0.000	-0.000	-0.000
203	-0.003	0.342	-0.011	0.000	-0.000	-0.000
101	-0.004	0.282	-0.008	0.000	-0.000	-0.000
202	-0.003	0.517	-0.009	0.000	-0.000	-0.000
612	-0.004	0.507	-0.008	0.000	-0.000	-0.000
105	0.018	0.320	0.003	0.000	-0.000	-0.000
104	0.018	0.294	0.007	0.000	-0.000	-0.000
103	-0.004	0.332	-0.011	0.000	-0.000	-0.000
102	-0.004	0.507	-0.010	0.000	-0.000	-0.000

LOADING - 2 EARTHQUAKE LOADS IN X-DIRECTION

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
41	101	305,491	-2,448	-110,949	-0,478	20320,051	-376,332		
41	102	-505,491	2,448	110,949	0,478	-1014,935	-49,614		
42	102	53,485	-5,634	-104,952	-0,181	1336,128	-105,063		
42	103	-53,485	5,634	109,952	0,181	1795,563	-527,295		
43	103	548,611	-5,660	-47,414	2,672	9312,887	659,354		
43	105	348,611	5,660	47,414	-2,672	-1066,552	325,094		
44	105	-220,557	-4,549	-49,589	-3,570	1307,785	-271,414		
44	106	220,557	4,549	49,589	3,570	7322,031	-520,280		
45	101	166,056	-4,697	-59,130	3,841	10290,285	-524,442		
45	104	-166,056	4,697	59,130	-3,841	-6,275	-292,538		
46	104	39,894	4,323	-62,501	-2,127	74,910	248,302		
46	106	-39,894	-4,323	62,501	2,127	10767,246	503,964		
47	102	120,411	-0,623	-1,432	-0,357	-320,891	-75,695		
47	104	120,411	0,623	1,432	0,357	71,776	-32,704		
48	102	121,749	0,679	0,436	-0,109	-320,405	78,943		
48	105	-121,749	-0,679	-0,436	0,109	244,635	39,071		
49	104	-1,576	0,150	1,740	0,456	-65,556	11,532		

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
49	105	1,376	-0,150	-1,740	-0,456	-237,339	14,609
50	201	3392,289	-5,784	-61,452	0,276	10865,301	-654,470
50	202	-3392,289	5,784	61,452	-0,276	-172,591	-352,003
51	202	3156,075	0,515	-61,160	0,258	424,009	245,357
51	203	-3156,075	-0,515	61,160	-0,258	-10217,762	-155,723
52	203	-2491,947	1,871	-28,973	1,463	4842,203	286,056
52	205	2491,947	-1,871	28,973	-1,463	-196,824	4,597
53	205	-2777,766	-2,372	-30,930	-1,972	-50,879	-43,570
53	206	2777,766	2,372	30,930	1,972	5433,566	-369,167
54	201	-250,286	-7,050	-29,048	1,808	4640,586	-793,770
54	204	250,286	7,050	29,048	-1,808	-411,471	-432,314
55	204	-374,691	3,462	-51,298	-1,687	-316,446	227,755
55	206	374,691	-3,462	51,298	1,687	5763,117	374,787
56	202	-117,319	-1,237	-0,887	-0,219	-96,697	-94,235
56	204	117,319	1,237	0,887	0,219	250,981	-120,880
57	202	-110,656	-0,169	-0,594	0,146	147,592	12,411
57	205	110,656	0,169	0,594	-0,146	-93,161	-41,826
58	204	5,935	-0,497	1,363	0,355	-144,000	83,699
58	205	-5,935	0,497	-1,363	-0,355	6466,191	2,852
59	201	-4354,480	-17,208	-56,161	270,026	13537,496	-3244,146
59	303	4354,480	17,208	56,161	-270,026	-3497,881	3497,881
60	203	-4123,641	-14,420	-23,796	-2153,829	3567,148	-1902,932
60	306	4123,641	14,420	23,796	2153,829	-5754,922	-3746,244
61	206	-4010,525	-16,063	-21,204	2028,212	3332,149	2548,436
61	301	4010,525	16,063	21,204	-2028,212	-4974,711	3744,119
62	301	-4035,228	-30,444	-129,265	286,800	22490,227	-5120,301
62	303	4035,228	30,444	129,265	-286,800	-22494,066	5474,230
63	303	-617,669	-3,398	-64,055	-30,532	10963,687	921,349
63	306	617,669	3,398	64,055	30,532	-11324,031	-2103,775
64	301	-3321,023	-6,469	-62,051	2,076	10540,844	-2461,069
64	306	3321,023	6,469	62,051	-2,076	-11049,852	210,053
65	501	-6125,656	-185,443	-189,838	-34,387	32465,105	-22276,629
65	502	6125,656	185,443	189,838	34,387	-2047,475	-11436,945
66	502	-7429,586	-28,099	-194,749	-613,978	1948,439	8401,563
66	503	7429,586	28,099	194,749	613,978	-33456,863	-3293,137
67	503	-12210,715	-23,662	-135,246	4589,401	21557,683	7269,875
67	505	12210,715	23,662	135,246	-4589,401	-5029,455	-2968,132
68	505	-12169,934	-5,873	-84,441	-4203,688	-759,529	3855,957
68	506	12169,934	5,873	84,441	4203,688	16110,633	-2768,182
69	501	-1604,919	-185,385	-114,015	4688,707	17567,211	-24239,449
69	504	1604,919	185,385	114,015	-4688,707	-3160,349	-9462,957
70	504	-1206,552	-10,848	-58,299	-4723,277	-1255,012	360,717
70	506	1206,552	10,848	58,299	4723,277	11853,629	1611,334
71	502	-223,716	-45,268	-20,575	-1590,240	-1139,732	-2960,651

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR	Y	SHEAR	Z	TORSIONAL	MOMENT	BENDING	Y	MOMENT	BENDING	Z
71	504	223.716	43.268	20.575	1590.240	4880.148	-4905.254							
72	502	3.929	-15.664	-15.664	-1288.600	-1865.776	74.733							
73	505	-3.929	15.664	15.664	1288.600	4713.484	-644.932							
74	501	-1616.890	-0.584	-6.271	-36335.176	177.856	-158.517							
75	507	1616.890	0.584	6.271	36335.176	13.098	140.745							
76	507	1616.902	0.0	0.0	36335.449	0.0	0.0							
77	510	-1616.902	0.0	0.0	-36335.449	0.0	0.0							
78	503	6404.867	2.309	-24.809	-138126.688	705.687	605.346							
79	504	-6404.867	-2.309	24.809	138126.688	49.793	-535.038							
80	508	-6404.918	0.0	0.0	138127.750	0.0	0.0							
81	511	6404.918	0.0	0.0	-138127.750	0.0	0.0							
82	506	-1477.952	5.759	-0.000	96447.563	-375.814	175.075							
83	509	1477.952	-5.759	0.000	-96447.563	375.814	-0.000							
84	509	1477.963	0.0	0.0	-96448.313	0.0	0.0							
85	512	-1477.963	0.0	0.0	96448.313	0.0	0.0							
86	501	-568.719	-48.815	3394.461	-654.891	-78442.000	-2225.372							
87	513	568.719	48.815	-3394.461	654.891	-43473.445	472.141							
88	503	404.544	7.913	-3640.958	428.295	-84269.875	710.572							
89	514	-404.544	-7.913	3640.958	-428.295	84498.758	-430.355							
90	506	-61.507	106.905	-506.622	873.560	-12363.020	1989.934							
91	515	61.507	-106.905	506.622	-873.560	12363.020	-1854.632							
92	513	-3394.461	142.549	-261.535	37947.926	37947.926	21220.844							
93	501	3394.461	-142.549	261.535	-37947.926	18543.656	9569.688							
94	514	-3640.958	195.897	-272.038	430.555	40023.020	-23674.371							
95	503	3640.958	-195.897	272.038	-430.555	18737.254	-18639.473							
96	515	-506.622	-61.307	-24.905	1838.632	473.560	-5875.379							
97	504	506.622	61.307	24.905	-1838.632	4505.836	-7366.977							
98	601	-18.682	-248.379	205.970	-1280.157	-9444.336	-10443.344							
99	611	18.682	248.379	-205.970	1280.157	-5265.531	-2939.957							
100	603	15.447	49.109	-307.667	-1873.000	16293.777	4897.203							
101	613	-15.447	-49.109	307.667	1873.000	5458.223	-1361.326							
102	601	40.590	-344.869	141.789	-855.967	7688.988	-17603.344							
103	601	-40.590	344.869	-141.789	855.967	1818.335	-3088.809							
104	603	-37.155	7.139	-243.485	-1316.623	-12332.242	2989.323							
105	603	37.155	-7.139	243.485	1316.623	-1876.857	-2560.942							
106	611	166.047	-11.954	-36.030	-286.254	3661.265	-2799.240							
107	612	-166.047	11.954	36.030	286.254	3260.736	502.704							
108	612	153.158	-11.004	-36.190	-418.945	3252.151	-523.501							
109	613	-153.158	11.004	36.190	418.945	3700.645	-1590.603							
110	601	254.202	-9.754	-28.152	-250.601	5106.930	-2593.480							
111	602	-254.202	9.754	28.152	250.601	2886.085	516.947							
112	602	76.090	-10.704	-27.992	-246.515	2457.133	-496.149							
113	603	-76.090	10.704	27.992	246.515	3101.759	-1782.585							
114	611	-167.106	30.636	31.636	-571.271	-2381.107	4948.395							

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
93	661	167.108	-30.636	-31.838	-571.271	-2250.963	-2250.963	-491.246
94	612	0.160	-0.950	85.112	-20.797	-6512.887	-6512.887	-132.690
94	662	0.160	0.950	-85.112	-20.797	-5743.215	-5743.215	-4.086
95	615	270.703	-26.451	24.832	1003.067	-1627.645	-1627.645	-5350.902
95	663	-270.703	26.451	-24.832	-1003.067	1785.135	1785.135	1502.589
96	501	-1923.484	-92.729	-111.811	-3041.008	29315.410	29315.410	-18720.590
96	703	1923.484	92.729	111.811	3041.008	27080.020	27080.020	-28216.164
97	503	-15745.797	-63.571	-127.843	-2869.195	32690.504	32690.504	-11351.234
97	706	15745.797	63.571	127.843	2869.195	32020.754	32020.754	-20827.078
98	506	9990.117	44.189	3.423	3267.440	4421.027	4421.027	6601.125
98	701	-9990.117	-44.189	-3.423	-3267.440	-6153.480	-6153.480	15764.414
99	701	3347.701	-42.946	-21.136	-138.508	4800.672	4800.672	-6783.879
99	702	-3347.701	42.946	21.136	138.508	-42.540	-42.540	-2684.182
100	504	-199.526	-31.517	-35.141	2924.955	3360.998	3360.998	4196.984
100	505	199.526	31.517	35.141	-2924.955	3007.627	3007.627	1537.757
101	702	3022.746	9.180	-26.744	-1692.168	577.838	577.838	1199.228
101	703	-3022.746	-9.180	26.744	1692.168	-5442.719	-5442.719	-3265.916
102	703	-6963.258	21.659	-50.660	-147.993	9915.441	9915.441	4620.234
102	705	6963.258	-21.659	50.660	147.993	1885.733	1885.733	261.003
103	705	-6794.051	6.605	-45.659	-1598.188	852.673	852.673	1301.778
103	706	6794.051	-6.605	45.659	1598.188	9427.395	9427.395	185.452
104	701	2032.414	-46.834	-16.112	604.233	2651.855	2651.855	-7638.875
104	704	-2032.414	46.834	16.112	-604.233	974.255	974.255	-2901.069
105	704	1810.692	-7.014	-5.503	-2451.044	-94.486	-94.486	-875.904
105	706	-1810.692	7.014	5.503	2451.044	1333.466	1333.466	-703.338
106	702	-174.664	-13.717	-9.821	-667.664	466.534	466.534	-1220.181
106	704	174.664	13.717	9.821	667.664	1743.654	1743.654	-1866.797
107	702	141.420	3.762	-4.213	243.058	-801.629	-801.629	464.772
107	705	-141.420	-3.762	4.213	-243.058	1749.778	1749.778	381.885
108	704	27.273	15.731	-0.789	1113.387	755.706	755.706	1910.176
108	705	-27.273	-15.731	0.789	-1113.387	-578.158	-578.158	1180.096
109	701	-2186.331	-0.789	-8.477	-3601.356	256.824	256.824	-37.972
109	707	2186.331	0.789	8.477	3601.356	1.298	1.298	13.950
110	707	2186.347	0.0	0.0	3601.363	0.0	0.0	0.0
110	710	-2186.347	0.0	0.0	-3601.363	0.0	0.0	0.0
111	703	-1024.028	-0.371	3.986	24145.570	-112.674	-112.674	-104.824
111	708	1024.028	0.371	-3.986	-24145.570	-8.704	-8.704	93.528
112	708	1029.036	0.0	0.0	-24145.754	0.0	0.0	0.0
112	711	-1029.036	0.0	0.0	24145.754	0.0	0.0	0.0
113	706	3681.613	-14.546	0.000	183252.688	-714.055	-714.055	-436.141
113	709	-3681.613	14.546	-0.000	-183252.688	714.055	714.055	-0.000
114	709	-3681.641	0.0	0.0	-183254.063	0.0	0.0	0.0
114	712	3681.641	0.0	0.0	183254.063	0.0	0.0	0.0
115	701	-1069.063	21.928	-24.232	-7271.680	2406.987	2406.987	10071.625

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
115	806	10689.063	-21.928	29.232	7271.680	15186.418	3127.484
116	703	18162.219	25.679	-45.352	-1456.040	8503.004	5345.867
116	801	-18162.219	-25.679	45.352	1056.040	18709.281	10110.043
117	701	-8504.613	12.570	-54.163	-2193.439	11196.785	9930.859
117	803	8504.613	-12.570	54.163	2193.439	21403.773	-2564.900
118	601	6609.609	17.499	-47.189	-587.194	13675.156	6461.762
118	802	-6609.609	-17.499	47.189	587.194	-769.978	-1676.262
119	802	6126.410	54.156	-63.329	-6297.352	1463.055	6040.199
119	803	-6126.410	-54.156	63.329	4297.352	15856.184	8770.273
120	803	8409.172	47.858	-120.405	-1454.200	29316.332	-7695.477
120	605	-8409.172	-47.858	120.405	1454.200	3612.405	-5542.805
121	805	-8206.586	-21.128	-106.222	-5150.547	283.343	1692.223
121	606	8206.586	21.128	106.222	5150.547	28773.004	-7471.656
122	801	1133.657	21.752	-42.966	380.298	8170.262	5445.141
122	804	-1133.657	-21.752	42.966	-380.298	3580.141	503.650
123	804	869.813	25.040	-12.642	-7074.129	-1723.323	227.060
123	806	-869.813	-25.040	12.642	7074.129	5181.590	6622.520
124	804	272.574	8.125	-22.541	-1244.569	1741.937	1676.799
124	604	-272.574	-8.125	22.541	1244.569	4369.414	545.690
125	802	236.578	-19.094	-6.201	368.539	-1610.896	-2687.137
125	805	-236.578	19.094	6.201	-368.539	3507.150	-2535.896
126	805	33.769	4.933	-7.942	-2175.121	2265.030	-185.020
126	605	-33.769	-4.933	7.942	2175.121	-81.217	-1164.649
127	801	2449.662	0.883	9.449	124066.813	-244.223	507.466
127	607	-2449.662	-0.883	-9.449	-124066.813	-44.724	-460.575
128	810	2449.681	0.0	0.0	124067.750	0.0	0.0
128	610	-2449.681	-0.0	0.0	-124067.750	0.0	0.0
129	803	943.640	0.340	-3.655	254676.313	203.113	-976.135
129	608	-943.640	-0.340	3.655	-254676.313	-91.607	986.494
130	808	943.647	0.0	0.0	254678.250	0.0	0.0
130	611	-943.647	-0.0	0.0	-254678.250	0.0	0.0
131	806	3608.256	14.060	-0.000	15949.832	-62.149	427.427
131	609	-3608.256	-14.060	0.000	-15949.832	62.149	-0.000
132	809	3608.284	0.0	0.0	15949.953	0.0	0.0
132	612	-3608.284	-0.0	0.0	-15949.953	0.0	0.0
133	801	21959.148	25.850	-54.479	-2107.622	14638.641	9757.801
133	903	-21959.148	-25.850	54.479	2107.622	24324.617	8730.023
134	803	14623.563	-61.183	-30.714	-5123.587	9411.016	-25711.785
134	906	-14623.563	61.183	30.714	5123.587	12555.930	-18046.930
135	806	9918.551	-15.258	-39.666	-371.222	14037.605	-7724.551
135	901	-9918.551	15.258	39.666	371.222	14547.574	-3184.129
136	901	7945.605	-11.382	-71.322	616.398	22008.148	520.722
136	902	-7945.605	11.382	71.322	-616.398	1459.735	-4265.969
137	902	7622.113	42.056	-69.189	1197.906	1076.014	5952.246

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
137	903	-7622.113	-42.056	69.189	-1197.906	21689.762	7885.949
138	903	-4016.266	-36.344	-36.799	2737.725	9319.004	-7456.574
139	905	-3891.520	-9.836	36.799	-2737.725	2786.854	-3841.746
139	906	5891.520	9.836	-17.742	-3089.022	-1837.101	481.793
140	901	-4542.969	-6.699	17.742	3089.022	7675.563	-3718.504
140	904	4582.969	6.699	-46.983	2447.038	12623.516	487.423
141	904	-4796.980	18.081	30.060	-2771.100	-1564.276	-2691.234
141	906	4796.980	-18.081	-30.060	2771.100	11456.293	2519.193
142	902	-205.233	-0.264	4.574	-776.796	-1231.960	241.406
142	904	205.233	0.264	-4.574	776.796	2736.525	-328.093
143	902	149.792	-10.592	6.707	-1030.394	-709.210	-1444.873
143	905	-149.792	10.592	-6.707	1030.394	2915.738	-2039.754
144	904	52.142	-4.487	12.350	1726.137	1843.200	-156.055
144	905	-52.142	4.487	-12.350	-1726.137	2220.336	-1320.200
145	901	-13401.977	-4.631	-51.913	337165.875	1702.359	1158.906
145	907	13401.977	4.631	51.913	-337165.875	-121.542	-1306.022
146	907	13402.078	0.0	0.0	-337168.375	0.0	0.0
146	910	-13402.078	0.0	0.0	337168.375	0.0	0.0
147	903	11900.820	4.290	-46.098	235432.875	1488.619	-781.319
147	908	-11900.820	-4.290	46.098	-235432.875	-84.869	911.956
148	908	11900.910	0.0	0.0	-235434.688	0.0	0.0
148	911	-11900.910	0.0	0.0	235434.688	0.0	0.0
149	906	1620.600	-6.315	-0.000	-573270.313	2233.782	-191.973
149	909	-1620.600	6.315	0.000	573270.313	-2233.782	-0.000
150	912	1620.612	0.0	0.0	-573274.688	0.0	0.0
150	912	-1620.612	0.0	0.0	573274.688	0.0	0.0
151	901	-24456.105	-4.036	2.080	939.907	3441.896	-678.919
151	1002	24456.105	4.036	-2.080	-939.907	-4495.754	-1366.234
152	903	24507.551	7.146	18.881	389.934	-843.408	1653.322
152	1002	-24507.551	-7.146	-18.881	-389.934	-8723.500	1967.522
153	903	11768.875	5.506	10.558	497.757	-1705.165	49.201
153	1005	-11768.875	-5.506	-10.558	-497.757	3644.640	1677.275
154	906	11614.828	16.406	5.999	-126.152	3377.520	3283.709
154	1005	-11614.828	-16.406	-5.999	126.152	-338.094	5231.887
155	901	12137.063	-9.379	7.326	893.501	-855.519	-1105.960
155	1004	-12137.063	9.379	-7.326	-893.501	2856.445	-3646.650
156	906	11928.663	2.187	-8.785	227.041	4397.645	1926.050
156	1004	-11928.663	-2.187	8.785	-227.041	53.466	-817.946
157	1001	16351.254	31.888	101.755	2531.958	29940.234	8715.042
157	1002	-16351.254	-31.888	-101.755	-2531.958	9182.594	3545.328
158	1002	15639.250	22.264	-83.031	1976.949	4154.531	2452.103
158	1003	-15639.250	-22.264	83.031	-1976.949	27765.246	6107.820
159	1003	-13373.160	16.493	-9.949	4695.070	4917.117	2228.677

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
159	1005	13375.160	-16.493	9.949	-4695.070	-1091.776	4112.871
160	1005	1922.159	-0.566	-85.019	-5322.785	8035.355	-993.112
160	1006	-1922.159	0.566	85.019	5322.785	24655.176	775.673
161	1001	13160.480	-4.009	6.236	3944.231	1846.240	692.171
161	1004	-13160.480	4.009	-6.236	-3944.231	-4244.133	-2233.634
162	1004	-2550.043	3.198	-67.924	-6666.461	10239.055	1735.326
162	1006	2550.043	-3.198	67.924	6666.461	23568.160	-505.778
163	1002	-65.035	5.204	-19.746	-652.129	1961.841	1013.021
163	1004	65.035	-5.204	19.746	652.129	5630.652	218.914
164	1002	76.707	-4.469	-10.267	-976.741	394.846	-1172.684
164	1005	-76.707	4.469	10.267	976.741	3552.731	-545.752
165	1004	-12.115	1.939	-30.898	1550.617	5716.066	456.511
165	1005	12.115	-1.939	30.898	-1550.617	-2879.937	1803.791
166	1001	25042.199	9.235	99.228	393456.688	-2879.937	1803.791
166	1007	-25042.199	-9.235	-99.228	-393456.688	-141.705	-1522.569
167	1007	25042.391	0.0	0.0	-393459.625	0.0	0.0
167	1010	-25042.391	0.0	0.0	393459.625	0.0	0.0
168	1003	-25337.434	-9.125	98.049	315499.438	-2872.101	-1498.776
168	1008	25337.434	9.125	-98.049	-315499.438	-113.628	1220.896
169	1008	25337.625	0.0	0.0	-315501.813	0.0	0.0
169	1011	-25337.625	0.0	0.0	315501.813	0.0	0.0
170	1006	-392.848	1.529	0.000	-626839.500	2440.125	46.491
170	1009	392.848	-1.529	-0.000	626839.500	-2440.125	-0.000
171	1009	392.851	0.0	0.0	626844.250	0.0	0.0
171	1012	-392.851	0.0	0.0	-626844.250	0.0	0.0
172	101	170.078	-138.990	764.623	900.775	-25470.785	-8908.898
172	201	-170.078	138.990	-764.623	-900.775	-112161.313	-16109.297
173	103	-157.360	295.569	497.898	1186.649	-22456.375	8062.859
173	203	157.360	-295.569	-497.898	-1186.649	67165.313	45139.637
174	106	-12.713	150.579	251.479	-1024.245	-9048.156	-2984.521
174	206	12.713	-150.579	-251.479	1024.245	-36217.992	-23199.777
175	201	4148.703	104.251	-2630.980	5106.469	90506.938	13822.477
175	301	-4148.703	-104.251	2630.980	-5106.469	383069.500	4942.715
176	203	2166.720	363.110	-2305.251	3268.171	53901.152	-36716.000
176	303	-2166.720	-363.110	2305.251	-3268.171	561044.063	-28643.875
177	206	-1879.434	188.011	-1992.368	-2771.626	30047.945	20399.770
177	306	1879.434	-188.011	1992.368	2771.626	328578.313	13442.234
178	501	6206.371	-60.584	2526.752	13470.918	-415571.875	-18233.617
178	401	-6206.371	60.584	-2526.752	-13470.918	449261.250	-2486.097
179	303	6205.060	125.829	2477.491	13560.914	-402531.563	39001.836
179	403	-6205.060	-125.829	-2477.491	-13560.914	444900.250	4038.329
180	306	41.792	-65.245	2183.993	-5496.234	345125.813	-8407.754
180	406	-41.792	65.245	-2183.993	5496.234	-401799.688	-13906.086
181	401	-86972.188	1892.800	4173.270	-24793.906	74072.125	100075.250

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
181	501	86972.188	-1892.800	-4175.270	24793.906	-302670.875	3556.787
182	403	86358.188	-3958.630	10008.863	-15518.512	-279794.500	-272024.500
182	503	-86358.188	3958.630	-10008.863	15518.512	-279917.875	50651.528
183	406	42.076	-179.783	7810.605	61435.273	-178307.625	27255.920
183	506	-42.076	179.783	-7810.605	-61435.273	-249283.000	-37098.094
184	501	-72199.688	254.026	-2239.434	40767.426	282551.875	55873.281
184	601	72199.688	-254.026	2239.434	-40767.426	-119111.500	-37283.758
185	503	-74609.613	2221.955	-1525.029	3922.189	216994.563	-168903.688
185	603	74609.613	-2221.955	1525.029	-3922.189	-105693.563	6739.023
186	506	-5748.641	524.752	-1690.523	54947.484	129941.063	20341.707
186	606	5748.641	-524.752	1690.523	-54947.484	240248.813	-135251.563
187	601	-71841.438	265.524	-1128.863	27523.887	116734.125	46841.309
187	651	71841.438	-265.524	1128.863	-27523.887	48060.418	-10079.363
188	603	74192.188	-2241.533	-721.584	11230.449	104416.875	-22154.988
188	653	-74192.188	2241.533	721.584	-11230.449	922.010	-305068.313
189	651	-75209.938	207.808	423.075	9725.281	-66995.875	-4564.388
189	701	75209.938	-207.808	-423.075	-9725.281	52961.801	22263.789
190	653	-77958.688	2202.529	525.144	11271.770	-21045.211	336621.813
190	703	77958.688	-2202.529	-525.144	-11271.770	-23682.328	-524215.438
191	656	-6258.676	499.052	-621.428	55927.145	245024.688	142618.500
191	706	6258.676	-499.052	621.428	-55927.145	297948.750	-145120.375
192	701	-58608.629	411.056	254.781	27971.047	-45304.332	-51868.059
192	801	58608.629	-411.056	-254.781	-27971.047	132085.875	-86142.418
193	703	-55010.855	3171.737	-462.357	44504.078	-7515.516	578041.938
193	803	55010.855	-3171.737	462.357	-44504.078	164999.813	502289.063
194	706	-4248.211	1155.560	2142.764	58997.105	-515195.688	220865.750
194	806	4248.211	-1155.560	-2142.764	-58997.105	-214676.000	172674.875
195	801	-35756.242	173.858	156.851	15464.020	-122993.083	-35298.938
195	901	35756.242	-173.858	-156.851	-15464.020	61928.027	-32587.285
196	803	-42357.148	593.611	7.901	18297.016	-94514.500	-223271.188
196	903	42357.148	-593.611	-7.901	-18297.016	91438.375	-7833.070
197	806	-8041.488	516.827	-874.538	27724.496	149855.625	-157418.063
197	906	8041.488	-516.827	874.538	-27724.496	190610.500	-43767.797
198	401	-4350.125	1558.842	-568.956	5676.711	58595.211	-270486.375
198	1001	4350.125	-1558.842	568.956	-5676.711	162121.750	-536374.063
199	403	-4276.477	1233.525	-243.540	700.286	-29173.332	207924.375
199	1003	4276.477	-1233.525	243.540	-700.286	123983.750	272211.563
200	906	92.583	141.733	2427.205	5099.039	352324.625	53518.176
200	1006	-92.583	-141.733	-2427.205	-5099.039	592610.188	-1659.644
201	401	-93578.688	1418.222	-1692.209	1115.513	374770.625	-99530.375
201	510	93578.688	-1418.222	1692.209	-1115.513	-281920.625	21715.816
202	403	-93201.438	3540.733	-8382.727	-6374.820	724381.188	271694.938
202	511	93201.438	-3540.733	8382.727	6374.820	-254632.688	-73280.563
203	406	-11.618	108.550	-4779.613	-1008.422	575543.625	-13349.840

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE			TORSIONAL			MOMENT		
			SHEAR	Y	Z	X	Y	Z	BENDING	Y	Z
203	512	11,618	-108,550	4779,613	1008,622				-313317,958		19305,277
204	510	93801,125	-697,781	-1583,943	1440,779				299669,250		-53312,215
204	710	-93801,125	697,781	1583,943	-1440,779				161867,188		-156909,313
205	511	-93797,750	263,289	-2341,623	1254,438				323497,583		191436,438
205	711	93797,750	-263,289	2341,623	-1254,438				449505,125		-111362,500
206	512	-9,649	-1369,406	-3222,615	-967,217				409766,250		-19305,082
206	712	9,649	1369,406	3222,615	967,217				570374,563		-397192,188
207	610	-94137,188	-412,640	-1127,238	1376,224				-180093,938		155771,875
207	710	94137,188	412,640	1127,238	-1376,224				564044,625		-15221,687
208	611	-94129,688	-742,396	-712,384	1280,370				-461430,148		90345,675
208	711	94129,688	742,396	712,384	-1280,370				216783,625		162482,938
209	612	-14,957	-2312,427	-869,615	-1040,571				-347121,000		397192,188
209	712	14,957	2312,427	869,615	1040,571				683350,813		-390470,250
210	610	-94423,750	-753,876	-2937,941	1423,741				-625332,563		123127,500
210	710	94423,750	753,876	2937,941	-1423,741				518463,938		-416625,938
211	611	-94420,063	-232,492	-1827,273	1277,457				-544584,563		-383928,125
211	711	94420,063	232,492	1827,273	-1277,457				366807,613		474441,625
212	612	-10,029	-1295,848	-1156,384	-1354,125				-667380,148		-590470,125
212	712	10,029	1295,848	1156,384	1354,125				217188,375		-114016,313
213	910	94616,625	5881,930	-7453,469	981,213				351844,625		709789,413
213	1010	-94616,625	-5881,930	7453,469	-981,213				2549764,000		1580057,000
214	911	-94607,675	-5661,738	-7238,934	912,409				250485,563		-679149,250
214	1011	94607,675	5661,738	7238,934	-912,409				2575430,000		-1524975,000
215	912	-11,792	-324,763	-2401,384	-731,408				-790462,250		114016,250
215	1012	11,792	324,763	2401,384	731,408				-144419,668		12417,000
216	1010	94626,750	-6787,617	15047,082	0,000				-2744181,000		-1237876,000
216	1110	-94626,750	6787,617	-15047,082	0,000				0,000		0,000
217	1011	-94624,250	-6457,254	14976,645	0,000				-2731334,000		1250577,000
217	1111	94624,250	6457,254	-14976,645	0,000				0,000		0,000
218	1012	-11,356	-68,089	-2645,384	0,000				-482424,125		-12417,000
218	1112	11,356	68,089	2645,384	0,000				0,000		0,000

RESULTANT JOINT LOADS - SUPPORTS

JOINT	X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1110	GLOBAL	-28323,395	14547,746	90626,875	0,000	0,000
1111	GLOBAL	-28252,219	-14616,773	-40626,875	0,000	0,000
1112	GLOBAL	-2645,384	69,029	-0,000	0,000	0,000
		<u>-59,220,998</u>	<u>0,002</u>	<u>0,000</u>		

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110	0.0	0.0	0.0	0.000	0.001	-0.000
1111	0.0	0.0	0.0	-0.000	0.001	-0.000
1112	0.0	0.0	0.0	-0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010	0.124	-0.030	0.016	0.000	0.000	-0.000
1007	0.164	0.023	-0.030	-0.000	0.000	0.000
910	0.197	-0.002	0.019	-0.000	0.000	-0.000
1001	0.164	0.022	-0.026	-0.000	0.000	0.000
907	0.214	0.014	-0.020	-0.000	0.000	0.000
810	0.243	0.014	0.019	-0.000	0.000	-0.000
1002	0.171	0.002	-0.003	0.000	0.000	0.000
1004	0.156	0.010	-0.010	-0.000	0.000	0.000
901	0.213	0.014	-0.017	-0.000	0.000	0.000
807	0.249	0.014	-0.007	-0.000	0.000	0.000
710	0.256	0.015	0.017	0.000	0.000	-0.000
1003	0.164	-0.019	0.026	0.000	0.000	0.000
1005	0.156	-0.007	0.013	0.000	0.000	0.000
903	0.219	-0.017	0.017	0.000	0.000	0.000
1006	0.159	0.002	-0.001	-0.000	0.000	0.000
916	0.149	0.004	-0.001	0.000	0.000	0.000
902	0.216	0.002	0.000	0.000	0.000	0.000
904	0.203	0.010	-0.011	-0.000	0.000	0.000
806	0.234	0.005	0.001	-0.000	0.000	0.000
801	0.248	0.014	-0.005	-0.000	0.000	0.000
707	0.256	0.012	0.005	0.000	0.000	0.000
510	0.256	0.010	0.013	0.000	0.000	-0.000
1008	0.165	-0.020	0.031	0.000	0.000	0.000
908	0.221	-0.018	0.020	0.000	0.000	0.000
905	0.203	-0.006	0.011	0.000	0.000	0.000
803	0.253	-0.012	0.004	-0.000	0.000	0.000
1009	0.138	0.002	-0.001	-0.000	0.000	0.000
909	0.168	0.004	-0.000	-0.000	0.000	0.000
809	0.234	0.005	0.000	-0.000	0.000	0.000
805	0.241	-0.002	0.004	0.000	0.000	0.000
804	0.241	0.009	-0.004	-0.000	0.000	0.000
706	0.274	0.020	0.003	-0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
701	GLOBAL	0.256	0.012	0.005	0.000	0.000
802	GLOBAL	0.251	0.003	-0.000	-0.000	0.000
703	GLOBAL	0.258	0.023	-0.008	-0.000	0.000
507	GLOBAL	0.256	0.009	0.010	0.000	-0.000
401	GLOBAL	0.257	0.009	0.012	0.000	-0.000
1011	GLOBAL	0.125	0.031	-0.016	0.000	-0.000
911	GLOBAL	0.200	0.005	-0.019	0.000	-0.000
808	GLOBAL	0.253	-0.013	0.007	0.000	0.000
1012	GLOBAL	0.069	0.002	0.000	-0.000	-0.000
912	GLOBAL	0.189	0.004	0.001	0.000	-0.000
812	GLOBAL	0.264	0.005	0.001	0.000	-0.000
709	GLOBAL	0.276	0.020	-0.002	0.000	-0.000
658	GLOBAL	0.276	0.021	0.003	0.000	-0.000
705	GLOBAL	0.264	0.023	-0.002	0.000	-0.000
704	GLOBAL	0.264	0.015	0.004	0.000	-0.000
503	GLOBAL	0.260	0.023	-0.014	0.000	-0.000
702	GLOBAL	0.257	0.019	-0.001	0.000	-0.000
651	GLOBAL	0.256	0.011	0.007	0.000	0.000
506	GLOBAL	0.277	0.021	0.003	0.000	0.000
708	GLOBAL	0.259	0.023	-0.008	0.000	0.000
653	GLOBAL	0.259	0.025	-0.010	0.000	0.000
501	GLOBAL	0.256	0.009	0.011	0.000	-0.000
501	GLOBAL	0.299	0.004	0.011	0.000	-0.000
811	GLOBAL	0.241	-0.001	-0.020	-0.000	0.000
712	GLOBAL	0.284	0.020	0.003	0.000	-0.000
515	GLOBAL	0.280	0.021	0.003	0.000	-0.000
504	GLOBAL	0.260	0.023	-0.014	0.000	-0.000
514	GLOBAL	0.260	0.023	-0.011	0.000	-0.000
403	GLOBAL	0.261	0.023	-0.015	0.000	-0.000
603	GLOBAL	0.259	0.024	-0.013	0.000	-0.000
502	GLOBAL	0.258	0.019	-0.002	0.000	-0.000
505	GLOBAL	0.266	0.023	-0.005	0.000	-0.000
513	GLOBAL	0.256	0.009	0.008	0.000	-0.000
601	GLOBAL	0.258	0.011	0.007	-0.000	0.000
509	GLOBAL	0.256	0.010	0.009	0.000	-0.000
509	GLOBAL	0.279	0.021	0.004	0.000	-0.000
408	GLOBAL	0.277	0.020	0.003	0.000	-0.000
504	GLOBAL	0.266	0.015	0.007	-0.000	-0.000
711	GLOBAL	0.262	0.014	-0.020	0.000	0.000
663	GLOBAL	0.259	0.025	-0.011	0.000	-0.000
206	GLOBAL	0.312	0.012	0.003	0.000	-0.000
303	GLOBAL	0.302	0.021	-0.014	0.000	-0.000
306	GLOBAL	0.314	0.015	0.003	0.000	-0.000
201	GLOBAL	0.295	0.002	0.011	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS • FREE JOINTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
512	GLOBAL	0.278	0.021	0.003	0.000	-0.000
511	GLOBAL	0.260	0.023	-0.016	0.000	0.000
613	GLOBAL	0.258	0.024	-0.011	-0.000	-0.000
602	GLOBAL	0.258	0.015	0.002	0.000	-0.000
611	GLOBAL	0.258	0.010	0.007	0.000	-0.000
106	GLOBAL	0.205	0.008	0.003	0.000	-0.000
205	GLOBAL	0.204	0.015	-0.005	0.000	-0.000
204	GLOBAL	0.204	0.007	0.007	0.000	-0.000
203	GLOBAL	0.208	0.018	-0.014	0.000	-0.000
101	GLOBAL	0.291	-0.000	0.011	0.000	-0.000
212	GLOBAL	0.297	0.011	-0.001	0.000	-0.000
612	GLOBAL	0.258	0.014	-0.002	0.000	-0.000
105	GLOBAL	0.298	0.012	-0.006	0.000	-0.000
104	GLOBAL	0.298	0.004	0.007	0.000	-0.000
103	GLOBAL	0.291	0.018	-0.014	0.000	-0.000
102	GLOBAL	0.291	0.008	-0.001	0.000	-0.000

LOADING • 3 GRAVITY AND BUOYANCY

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
41	101	431.452	1.429	-540.087	0.702	45627.012	178.229
41	102	-431.452	-1.429	540.087	-0.702	48348.195	70.361
42	102	430.768	0.171	555.152	-0.410	-48326.766	-17.745
42	103	-430.768	-0.171	-555.152	0.410	-48789.695	47.877
43	103	435.587	0.400	559.410	0.665	-45547.277	-99.588
43	105	-435.587	-0.400	-559.410	-0.665	-48268.816	-39.560
44	105	435.702	-0.480	555.678	-0.379	48251.149	-5.894
44	106	-435.702	0.480	-555.678	0.379	44971.457	-77.715
45	101	419.505	0.855	535.239	-0.395	44804.020	129.562
45	104	-419.505	-0.855	-535.239	0.395	46266.570	19.135
46	104	420.473	0.842	539.797	0.614	-48302.559	36.955
46	106	-420.473	-0.842	-539.797	-0.614	-45636.824	116.525
47	102	0.270	0.270	-0.270	-0.014	-20.739	28.126
47	104	-0.270	-0.270	0.270	0.014	-26.166	29.272
48	102	0.074	0.268	0.169	-0.026	-22.030	-24.510
48	105	-0.074	-0.268	-0.169	0.026	-7.376	-22.145
49	104	-0.321	-0.268	-0.193	-0.013	5.784	-26.816

SEWER FORCES

LINE#	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
49	105	0.521	0.208	0.193	0.013	27.785	-23.309
50	201	-572.697	0.778	-540.953	0.394	46626.211	107.827
51	202	572.697	-0.778	540.953	-0.394	47499.684	27.542
52	203	-573.171	0.285	-534.276	-0.114	-47478.145	6.821
53	204	573.171	-0.285	534.276	0.114	-45485.840	42.737
54	205	-369.112	0.165	-539.259	0.408	-46354.805	0.474
55	206	369.112	-0.165	539.259	-0.408	-47434.992	28.231
56	207	-368.387	0.821	-535.809	-0.030	47412.168	-51.366
57	208	368.387	-0.821	535.809	0.030	45833.242	-91.446
58	209	-417.112	1.271	-534.891	-0.045	45658.352	154.381
59	210	417.112	-1.271	534.891	0.045	47371.688	66.637
60	211	-415.046	0.068	-540.176	0.315	-47391.465	-22.125
61	212	415.046	-0.068	540.176	-0.315	-46613.652	33.545
62	213	0.115	0.259	0.291	-0.014	-21.195	20.809
63	214	-0.115	-0.259	-0.291	0.014	-29.390	24.170
64	215	0.383	0.135	0.201	-0.027	-21.790	-13.553
65	216	-0.383	-0.135	-0.201	0.027	-13.090	-9.852
66	217	-1.634	0.193	-0.245	-0.020	10.128	-20.342
67	218	1.634	-0.193	0.245	0.020	32.471	-13.283
68	219	-289.638	1.697	8.269	186.672	-1399.242	305.664
69	220	289.638	-1.697	-8.269	-186.672	-1840.405	359.245
70	221	-12.707	3.444	-3.279	204.821	789.966	-567.862
71	222	12.707	-3.444	3.279	-204.821	494.477	-781.457
72	223	42.626	1.298	-5.352	72.574	941.948	350.660
73	224	-42.626	-1.298	5.352	-72.574	1154.552	157.977
74	225	-114.342	2.723	4.797	11.277	-376.496	590.237
75	226	114.342	-2.723	-4.797	-11.277	-1292.979	357.222
76	227	-19.386	-1.068	3.522	-60.037	-869.693	-148.614
77	228	19.386	1.068	-3.522	60.037	-255.891	-223.079
78	229	66.936	3.375	-1.241	45.848	114.509	666.413
79	230	-66.936	-3.375	1.241	-45.848	-546.246	507.830
80	231	5429.195	37.476	-21.106	333.254	1696.220	4183.664
81	232	-5429.195	-37.476	21.106	-333.254	-2140.820	2629.500
82	233	5430.194	-25.378	2.972	433.407	-1803.448	-2282.585
83	234	-5430.194	25.378	-2.972	-433.407	1263.114	-2331.158
84	235	4543.001	-32.112	21.347	903.872	-2055.242	-3042.110
85	236	-4543.001	32.112	-21.347	-903.872	-1825.583	-2795.846
86	237	4540.355	17.477	-0.444	297.382	1267.385	2010.325
87	238	-4540.355	-17.477	0.444	-297.382	-1206.653	1166.951
88	239	3834.650	21.365	-12.590	100.418	743.874	-1130.808
89	240	-3834.650	-21.365	12.590	-100.418	1545.020	-2753.203
90	241	3847.558	38.713	11.069	451.629	-1578.968	3210.604
91	242	-3847.558	-38.713	-11.069	-451.629	-833.254	3827.344
92	243	41.964	1.520	1.994	46.101	-151.883	121.347

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
71	504	41.964	-1.520	-1.994	-46.101	-210.547	155.040
72	502	31.632	-3.283	1.090	-233.762	-197.816	-225.568
73	501	1658.656	3.283	-1.090	233.762	-0.273	-371.211
74	507	-1458.656	2.897	31.130	2181.216	-947.153	96.668
75	507	-1854.733	-2.897	-31.130	-2181.216	-0.786	-8.449
76	510	1854.733	0.0	0.0	-2181.233	0.0	0.0
77	503	333.607	2.347	-25.223	18207.699	774.641	0.952
78	508	-324.873	0.0	25.223	-18207.699	-6.564	70.528
79	511	324.873	0.0	0.0	-18207.840	0.0	0.0
80	506	1986.885	-31.734	-0.000	-639.133	2.490	0.0
81	509	-1986.885	31.734	0.000	639.133	-2.490	0.000
82	509	-1982.963	0.0	0.0	639.138	0.0	0.0
83	512	1982.963	0.0	0.0	-639.138	0.0	0.0
84	513	136.377	0.841	1703.880	-65.007	-41808.445	-31.348
85	503	136.377	0.841	-1703.880	65.007	-19348.109	1.166
86	514	137.381	-5.003	-1714.931	160.116	42247.281	-300.512
87	506	-136.073	5.003	1714.931	-160.116	-19346.168	120.813
88	515	136.073	-1.874	-1667.626	22.146	191027.109	131.638
89	515	-762.581	1.874	1667.626	-22.146	-19007.445	-64.149
90	651	762.581	-67.620	-118.435	1.166	16410.066	9660.469
91	514	-773.632	64.521	121.390	-120.613	8771.875	4945.477
92	515	773.632	-64.521	-121.390	120.613	-16621.441	9557.145
93	653	726.099	64.521	-121.390	-64.189	-9398.734	8379.433
94	653	-593.057	136.073	-1.474	64.189	22.146	-19007.445
95	601	593.057	-146.196	1494.469	-15976.484	382.545	-10344.418
96	611	593.057	146.196	-1494.469	15976.484	-66757.750	-6209.230
97	603	-587.640	158.571	1487.990	-15732.461	-41204.012	-4316.844
98	613	587.640	-158.571	-1487.990	15732.461	80995.848	6850.309
99	651	592.908	-354.304	2088.731	-12366.625	-81358.063	-13150.465
100	653	-592.908	354.304	-2088.731	12366.625	-43965.801	-8107.777
101	603	547.634	341.924	2088.155	-12879.527	-81467.375	12705.926
102	603	-547.634	-341.924	-2088.155	12879.527	-43641.914	7409.619
103	611	867.630	13.045	-726.339	-756.844	67331.563	1201.174
104	612	-867.630	-13.045	726.339	756.844	-7212.668	1305.065
105	612	875.187	-11.134	-720.059	849.362	-71647.250	-1173.430
106	613	-875.187	11.134	720.059	-849.362	-66690.438	-965.717
107	601	367.330	-12.896	-550.184	-891.290	57109.676	-1584.766
108	602	-367.330	12.896	550.184	891.290	-60013.527	-1160.603
109	602	374.687	11.283	545.409	984.384	-59519.602	1028.948
110	603	-374.687	-11.283	-545.409	-984.384	-56567.078	1373.039
111	611	485.301	580.011	659.131	309.894	-51355.102	40820.652

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
93	601	-885.301	-580.011	-659.131	-309.894	-44541.047	43564.516
94	602	-213.018	24.180	7.357	-131.655	-565.415	1606.207
94	602	213.018	-24.180	-7.357	131.655	-493.928	1875.673
95	603	489.731	576.556	-653.422	-252.664	50958.008	40525.109
95	603	-489.731	-576.556	653.422	252.664	44107.547	43557.246
96	501	-83.582	-4.455	-9.616	-542.398	1720.191	-968.633
96	501	83.582	4.455	9.616	542.398	3146.875	-1286.229
97	503	-179.774	13.553	2.771	-750.838	323.744	4015.239
97	503	179.774	-13.553	-2.771	750.838	-1726.238	2846.631
98	506	903.556	7.207	6.137	-426.910	-1707.591	-669.546
98	506	-903.556	-7.207	-6.137	426.910	1398.658	-2978.412
99	701	1483.514	8.922	-12.558	108.553	1437.291	997.158
99	701	-1483.514	-8.922	12.558	-108.553	1389.836	1011.258
100	504	26.008	-3.942	2.476	-45.721	592.030	-302.362
100	504	-26.008	3.942	-2.476	45.721	-141.982	-414.310
101	702	1486.826	-13.813	9.773	65.859	-1292.297	-1307.813
101	702	-1486.826	13.813	-9.773	-65.859	907.844	-1801.710
102	703	2594.656	2.579	12.114	123.034	-1360.125	567.872
102	703	-2594.656	-2.579	-12.114	-123.034	1366.106	12.588
103	705	2609.587	5.542	-10.301	70.410	1277.813	430.014
103	705	-2609.587	-5.542	10.301	-70.410	1041.501	817.713
104	701	2107.974	2.515	-10.211	66.818	1003.684	-203.670
104	701	-2107.974	-2.515	10.211	-66.818	1294.360	-362.429
105	704	2117.377	3.520	12.314	84.313	-1365.249	473.104
105	704	-2117.377	-3.520	-12.314	-84.313	1407.364	319.397
106	702	13.764	0.127	0.347	-22.759	-26.989	-52.482
106	702	-13.764	-0.127	-0.347	22.759	-51.040	81.077
107	702	11.043	2.379	0.461	-26.359	-79.527	244.074
107	702	-11.043	-2.379	-0.461	26.359	24.268	291.385
108	704	-5.763	0.540	-0.459	-14.752	25.821	-29.594
108	704	5.763	-0.540	0.459	14.752	-77.594	151.216
109	701	2819.847	3.244	34.853	3365.340	-1060.103	111.606
109	701	-2819.847	-3.244	-34.853	-3365.340	-1.213	-13.036
110	707	2815.931	0.0	0.0	-3365.366	0.0	0.0
110	707	-2815.931	0.0	0.0	3365.366	0.0	0.0
111	703	2377.615	3.084	-33.140	9037.679	1012.411	546.907
111	703	-2377.615	-3.084	33.140	-9037.679	-3.258	35.008
112	708	2373.696	0.0	0.0	-9037.949	0.0	0.0
112	708	-2373.696	0.0	0.0	9037.949	0.0	0.0
113	706	2916.133	-35.355	-0.000	4483.595	-17.470	-1076.613
113	706	-2916.133	35.355	0.000	-4483.595	17.470	0.000
114	709	2912.218	0.0	0.0	-4483.430	0.0	0.0
114	709	-2912.218	0.0	0.0	4483.430	0.0	0.0
115	701	655.465	-0.490	0.800	-29.991	-27.921	347.758

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
115	806	-655.465	0.490	-0.800	29.991	-453.624	-642.743		
116	703	157.614	5.502	-2.394	-86.604	357.271	2148.063		
116	801	-157.614	-5.502	2.394	86.604	1083.416	1167.641		
117	701	-99.459	1.081	-2.065	346.083	1077.109	308.707		
117	803	99.459	-1.081	2.065	-346.083	165.861	342.207		
118	801	2312.184	11.974	348.372	33.962	-52219.410	1838.405		
118	802	-2312.184	-11.974	-348.372	-33.962	-53992.548	1440.158		
119	802	2311.011	11.502	391.242	121.011	54044.066	-1417.003		
119	803	-2311.011	-11.502	-391.242	-121.011	52952.824	-1726.562		
120	805	2254.735	5.553	-390.514	68.026	52918.316	-557.092		
120	805	-2254.735	-5.553	390.514	-68.026	53881.000	961.509		
121	805	2262.101	7.998	388.597	246.749	-53884.309	1041.756		
121	806	-2262.101	-7.998	-388.597	-246.749	-52414.086	1146.122		
122	801	2317.590	4.717	391.958	337.879	-53207.844	-429.619		
122	804	-2317.590	-4.717	-391.958	-337.879	-53986.367	-860.375		
123	804	2323.633	6.856	-386.775	-21.776	53860.566	925.197		
123	806	-2323.633	-6.856	386.775	21.776	51959.406	950.181		
124	802	12.305	0.328	-0.079	-56.076	-98.601	36.333		
124	804	-12.305	-0.328	0.079	56.076	120.144	51.255		
125	802	14.482	0.231	0.443	25.109	48.807	15.178		
125	805	-14.482	-0.231	-0.443	-25.109	-169.870	44.039		
126	804	0.266	0.068	-0.371	-15.460	247.967	-13.567		
126	805	-0.266	-0.068	0.371	15.460	-146.466	32.200		
127	801	3697.059	3.560	38.251	4762.453	-1163.071	126.847		
127	807	-3697.059	-3.560	-38.251	-4762.453	-1.717	-18.447		
128	807	3693.150	0.0	0.0	-4762.488	0.0	0.0		
128	810	-3693.150	0.0	0.0	4762.488	0.0	0.0		
129	803	3407.546	3.600	-38.679	5544.969	1179.834	87.979		
129	808	-3407.546	-3.600	38.679	-5544.969	-2.013	21.633		
130	808	3403.638	0.0	0.0	-5585.012	0.0	0.0		
130	811	-3403.638	0.0	0.0	5585.012	0.0	0.0		
131	806	3700.414	38.411	0.000	4076.352	-15.884	-1167.717		
131	809	-3700.414	-38.411	-0.000	-4076.352	15.884	-0.000		
132	809	3496.505	0.0	0.0	-4076.382	0.0	0.0		
132	812	-3496.505	0.0	0.0	4076.382	0.0	0.0		
133	801	172.897	2.444	-1.956	231.255	1675.545	688.681		
133	803	-172.897	-2.444	1.956	-231.255	-476.089	1059.451		
134	803	621.784	0.938	1.072	96.780	-87.314	732.876		
134	806	-621.784	-0.938	-1.072	-96.780	90.595	-1403.927		
135	806	186.176	3.267	0.635	168.715	-1330.182	-1570.553		
135	901	-186.176	-3.267	-0.635	-168.715	875.750	-765.755		
136	901	2394.576	4.797	467.468	34.223	-75821.875	650.455		
136	902	-2394.576	-4.797	-467.468	-34.223	-77993.625	927.989		
137	902	2394.415	-8.534	-470.068	275.205	76082.313	-1120.611		

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
137	903	-2394.415	6.534	470.068	-275.205	76586.613	-1667.296
138	903	2109.699	-5.260	-468.404	-31.388	76124.563	-213.087
139	905	-2149.699	3.260	468.404	31.388	-77967.668	-859.561
139	905	2153.137	6.394	-468.673	358.331	-78020.625	1134.438
139	906	-2153.137	-6.394	-468.673	-358.331	-76208.750	1623.860
140	901	2445.122	-6.527	470.722	347.594	-76806.313	-1239.585
140	904	-2445.122	6.527	-470.722	-347.594	-78048.458	-907.924
141	904	2444.597	2.600	-466.307	-35.734	77931.625	657.670
141	906	-2444.597	-2.600	466.307	35.734	75519.000	198.063
142	902	6.371	-0.612	0.117	-46.449	-201.293	-91.147
142	904	-6.371	0.612	-0.117	46.449	162.793	110.213
143	902	6.971	0.704	0.449	0.267	103.967	101.675
143	905	-6.971	-0.704	-0.449	-0.267	-251.516	129.881
144	904	4.635	0.879	0.507	-20.112	280.956	140.040
144	905	-4.635	-0.879	-0.507	20.112	-179.944	149.178
145	901	4427.770	3.623	41.081	5309.719	-1249.063	136.947
145	907	-4427.770	-3.623	-41.081	-5309.719	-1.914	-20.567
146	907	4423.667	0.0	0.0	-5309.762	0.0	0.0
146	910	-4423.667	0.0	0.0	5309.762	0.0	0.0
147	903	4432.535	3.825	-41.100	-12682.637	1246.968	165.598
147	908	-4432.535	-3.825	41.100	12682.637	4.572	-49.127
148	908	4426.633	0.0	0.0	12682.734	0.0	0.0
149	911	-4426.633	0.0	0.0	-12682.734	0.0	0.0
149	906	4106.469	-40.149	0.000	-1685.396	6.567	-1220.556
149	909	-4106.469	40.149	-0.000	1685.396	-6.567	-0.000
150	909	4142.563	0.0	0.0	1685.409	0.0	0.0
150	912	-4142.563	0.0	0.0	-1685.409	0.0	0.0
151	901	851.675	1.532	-6.728	-208.255	2164.025	527.588
151	1002	-851.675	-1.532	6.728	208.255	-1244.996	248.727
152	903	966.617	3.448	5.748	150.730	-1796.963	1307.966
152	1002	-966.617	-3.448	-5.748	-150.730	1115.475	459.257
153	903	1180.759	4.609	4.673	-262.048	-1499.179	1434.064
153	1005	-1180.759	-4.609	-4.673	262.048	-866.686	901.300
154	906	633.918	-6.346	-0.757	177.768	111.791	-2176.363
154	1005	-633.918	6.346	0.757	-177.768	-271.901	1037.284
155	901	1259.615	2.892	-6.195	194.852	2051.737	748.075
155	1004	-1259.615	-2.892	6.195	-194.852	-1087.482	717.499
156	906	557.276	-5.778	3.296	-228.949	-1052.010	-1935.088
156	1004	-557.276	5.778	-3.296	228.949	-617.812	-992.699
157	1001	781.494	0.791	10.341	137.648	-2425.283	20.760
157	1002	-781.494	-0.791	-10.341	-137.648	1565.848	283.452
158	1002	707.097	-3.490	-10.176	-89.628	1487.530	-431.103
158	1003	-707.097	3.490	10.176	89.628	-2424.992	-910.759
159	1003	693.037	0.257	-12.617	-2.210	3003.112	311.228

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
159	1005	-693,037	-0,257	12,617	2,210	1646,291	-212,225
160	1005	1050,637	5,166	10,581	-7,212	-1621,267	406,088
160	1006	-1050,837	-5,166	-10,581	7,212	-2370,203	611,049
161	1001	689,529	-2,523	12,037	6,863	-2970,581	-569,481
161	1004	-689,529	2,523	-12,037	-6,863	-1657,797	-323,677
162	1004	1124,916	0,653	-9,985	49,348	1586,887	297,671
162	1006	-1124,916	-0,653	9,985	-49,348	2250,564	-46,630
163	1002	-61,215	-0,538	-0,349	-29,987	209,100	-106,357
163	1004	61,215	0,538	0,349	29,987	-75,080	-100,367
164	1002	-61,074	0,709	0,615	10,563	-269,724	128,467
164	1005	61,074	-0,709	-0,615	-10,563	53,418	143,981
165	1004	-62,637	0,661	0,009	-3,243	-104,785	116,265
165	1005	62,637	-0,661	-0,009	3,243	101,508	137,751
166	1001	623,118	2,452	26,341	9816,684	-798,547	112,650
166	1007	-623,118	-2,452	-26,341	-9816,684	-3,536	-37,996
167	1007	-619,186	0,0	0,0	-9816,758	0,0	0,0
167	1010	619,186	0,0	0,0	9816,758	0,0	0,0
168	1003	-582,651	-2,437	-26,185	-5143,012	795,512	94,112
168	1008	582,651	2,437	26,185	5143,012	1,652	-19,902
169	1008	-578,718	0,0	0,0	5143,051	0,0	0,0
169	1011	578,718	0,0	0,0	-5143,051	0,0	0,0
170	1006	1250,556	-28,860	-0,000	4728,297	-18,406	-877,367
170	1009	-1250,556	28,860	0,000	-4728,297	18,406	-0,000
171	1009	-1246,628	0,0	0,0	-4728,332	0,0	0,0
171	1012	1246,628	0,0	0,0	4728,332	0,0	0,0
172	101	410,352	-365,105	640,557	-307,791	-68038,500	-38795,223
172	201	-410,352	365,105	-640,557	307,791	-47261,645	-26923,742
173	103	4124,586	-374,871	-648,350	-147,065	67572,750	-59439,234
173	203	-4124,586	374,871	648,350	147,065	49130,219	-28037,535
174	106	4130,773	719,976	7,793	-194,240	332,536	78472,625
174	206	-4130,773	-719,976	-7,793	194,240	-1735,649	54723,063
175	201	11519,996	-7,039	111,574	-927,257	-20804,516	-12586,000
175	301	-11519,996	7,039	-111,574	927,257	721,174	11318,930
176	203	11658,871	-43,080	115,762	-241,250	18880,504	-11561,488
176	303	-11658,871	43,080	-115,762	241,250	-39717,653	3607,045
177	206	11637,102	92,354	16,508	-629,773	1580,005	24554,570
177	306	-11637,102	-92,354	-16,508	629,773	-4551,402	-7950,871
178	301	21263,105	-101,371	43,561	-2679,251	-1255,290	-12082,445
178	401	-21263,105	101,371	-43,561	2679,251	-13662,676	-22586,582
179	303	21529,953	-21,539	-392,310	-1063,748	43367,871	-4740,957
179	403	-21529,953	21,539	392,310	1063,748	90802,613	-2557,690
180	306	21354,148	122,710	-28,972	-1536,248	4781,781	9046,539
180	406	-21354,148	-122,710	28,972	1536,248	5126,586	32920,316
181	401	-33968,375	2141,225	-3989,198	-612,542	75507,500	42002,758

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
203	512	-59009.125	148.702	4.088	-15.197	4399.191	-65396.079
204	510	71428.458	-115.702	220.249	-26.534	-61370.883	-21046.129
205	710	-71428.458	115.702	-220.249	26.534	-5615.207	-14143.066
205	511	71520.934	-282.480	522.061	41.526	143708.875	-57181.012
205	711	-71520.934	282.480	-522.061	-41.526	15069.332	-48731.805
206	512	68596.438	189.163	4.088	13.788	-5038.556	65396.852
206	712	-68596.438	-189.163	-4.088	-13.788	6281.695	-78663.953
207	710	90064.938	29.749	9.422	-37.920	3951.995	17069.211
207	810	-90064.938	-29.749	-9.422	37.920	-7161.148	-6919.422
208	711	90157.875	81.499	73.222	51.284	-19532.727	40874.492
208	811	-90157.875	-81.499	-73.222	-51.284	5407.699	-13115.031
209	712	87332.458	25.806	-4.088	9.229	-1798.267	7863.953
209	812	-87332.458	-25.806	4.088	-9.229	3190.746	244.998
210	810	112421.438	70.695	-92.410	-37.466	4808.871	11059.797
210	910	-112421.438	-70.695	92.410	37.466	31168.270	16463.238
211	811	112514.250	67.829	79.061	36.701	2647.918	8259.434
211	911	-112514.250	-67.829	-79.061	-36.701	-33424.023	18147.500
212	812	109687.938	48.782	-4.088	3.410	865.630	-244.992
212	912	-109687.938	-48.782	4.088	-3.410	705.889	-18746.383
213	910	134443.438	262.387	539.460	-37.260	-33790.910	-11847.426
213	1010	-134443.438	-262.387	-539.460	37.260	-17622.000	-90300.375
214	911	134936.250	267.807	556.980	42.825	38693.012	-7121.309
214	1011	-134936.250	-267.807	-556.980	-42.825	177140.188	-97058.750
215	912	132108.938	351.353	4.088	5.241	-2391.297	18746.313
215	1012	-132108.938	-351.353	-4.088	-5.241	3982.815	118038.613
216	1010	148380.625	541.922	939.692	0.000	171374.375	98831.938
216	1110	-148380.625	-541.922	-939.692	0.000	0.000	0.000
217	1011	148473.438	556.688	957.393	-0.000	-174602.563	101524.938
217	1111	-148473.438	-556.688	-957.393	0.000	0.000	0.000
218	1012	145645.563	647.269	4.088	-0.000	745.515	-118038.750
218	1112	-145645.563	-647.269	-4.088	0.000	-0.000	0.000

RESULTANT JOINT LOADS - SUPPRTS

JOINT	X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1110	GLOBAL	-20262.888	11664.078	0.000	0.000	0.000
1111	GLOBAL	20250.762	14969.996	0.000	0.000	-0.000
1112	GLOBAL	4.088	-23521.078	0.000	-0.000	-0.000
		0.002	-0.004	446145.376		

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110	0.0	0.0	0.0	-0.000	-0.000	0.000
1111	0.0	0.0	0.0	-0.000	-0.000	0.000
1112	0.0	0.0	0.0	0.000	-0.000	0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010	-0.005	0.003	-0.008	-0.000	-0.000	0.000
1007	0.000	0.003	-0.034	-0.000	-0.000	0.000
910	-0.004	0.004	-0.016	-0.000	0.000	0.000
1001	0.000	0.003	-0.035	-0.000	-0.000	0.000
907	-0.000	0.003	-0.035	0.000	0.000	0.000
810	-0.002	0.004	-0.021	-0.000	0.000	0.000
1002	0.001	0.002	-0.034	-0.000	-0.000	0.000
1004	0.000	0.002	-0.034	0.000	-0.000	0.000
901	-0.000	0.003	-0.034	0.000	0.000	0.000
807	0.000	0.004	-0.033	0.000	0.000	0.000
710	-0.001	0.003	-0.025	0.000	0.000	0.000
1003	0.001	0.001	-0.035	-0.000	0.000	0.000
1005	-0.000	0.002	-0.034	0.000	0.000	0.000
903	0.001	0.002	-0.034	-0.000	-0.000	0.000
1006	-0.001	0.001	-0.034	0.000	-0.000	0.000
908	-0.001	0.001	-0.034	-0.000	-0.000	0.000
902	0.001	0.002	0.011	0.000	-0.000	0.000
904	-0.000	0.002	0.012	0.000	-0.000	0.000
808	-0.002	0.001	-0.032	-0.000	-0.000	0.000
801	0.000	0.004	-0.033	0.000	0.000	0.000
707	0.000	0.003	-0.031	-0.000	-0.000	0.000
510	-0.000	0.002	-0.028	-0.000	-0.000	0.000
1004	0.001	0.001	-0.035	-0.000	-0.000	0.000
906	0.002	0.001	-0.035	0.000	-0.000	0.000
905	-0.000	0.001	-0.012	-0.000	-0.000	0.000
803	0.002	0.000	-0.033	0.000	-0.000	0.000
1003	-0.001	0.001	-0.034	-0.000	-0.000	0.000
909	-0.001	0.001	-0.034	0.000	-0.000	0.000
809	-0.002	0.001	-0.034	-0.000	-0.000	0.000
605	-0.000	0.001	-0.032	0.000	-0.000	0.000
604	-0.000	0.003	-0.011	0.000	-0.000	0.000
706	-0.001	0.000	-0.030	0.000	-0.000	0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
701	0.000	0.003	-0.031	-0.000	-0.000	0.000
802	0.001	0.002	-0.011	0.000	-0.000	0.000
703	0.002	0.001	-0.031	0.000	0.000	0.000
507	0.000	0.003	-0.029	0.000	-0.000	0.000
401	-0.000	0.002	-0.029	0.000	-0.000	0.000
1011	0.005	0.003	-0.008	-0.000	0.000	0.000
911	0.004	0.004	-0.016	0.000	-0.000	0.000
80A	0.002	0.000	-0.033	0.000	-0.000	0.000
1012	-0.000	-0.003	-0.007	0.000	-0.000	0.000
912	-0.000	-0.003	-0.015	-0.000	-0.000	0.000
812	-0.001	-0.001	-0.020	0.000	-0.000	0.000
709	-0.002	0.000	-0.030	0.000	-0.000	0.000
656	-0.002	-0.000	-0.030	0.000	-0.000	0.000
705	-0.000	0.001	-0.032	0.000	0.000	0.000
704	-0.000	0.002	-0.032	0.000	-0.000	0.000
503	0.003	-0.002	-0.029	0.000	0.000	0.000
702	0.001	0.001	-0.032	0.000	-0.000	0.000
651	0.000	0.003	-0.031	0.000	0.000	0.000
506	-0.002	-0.001	-0.028	0.000	-0.000	0.000
708	0.002	0.001	-0.031	0.000	0.000	0.000
653	0.002	0.000	-0.031	0.000	0.000	0.000
501	0.000	0.002	-0.029	0.000	-0.000	0.000
301	-0.000	0.000	-0.031	0.000	0.000	0.000
611	0.003	0.003	-0.021	0.000	0.000	0.000
712	-0.001	-0.001	-0.024	0.000	-0.000	0.000
515	-0.003	-0.001	-0.029	-0.000	-0.000	0.000
508	0.003	-0.002	-0.029	0.000	0.000	0.000
514	0.003	-0.002	-0.030	0.000	-0.000	0.000
403	0.004	-0.002	-0.029	0.000	0.000	0.000
603	0.002	-0.001	-0.030	0.000	-0.000	0.000
502	0.002	0.000	-0.030	0.000	-0.000	0.000
505	-0.000	-0.001	-0.030	0.000	0.000	0.000
513	0.000	0.003	-0.030	0.000	0.000	0.000
601	0.002	0.003	-0.038	0.000	-0.000	0.000
601	0.000	0.003	-0.030	0.000	0.000	0.000
509	-0.003	-0.001	-0.028	0.000	-0.000	0.000
406	-0.002	-0.002	-0.028	0.000	-0.000	0.000
504	-0.000	0.001	-0.029	0.000	-0.000	0.000
711	0.002	0.002	-0.025	0.000	0.000	0.000
603	0.001	0.001	-0.039	0.000	0.000	-0.000
206	-0.005	-0.002	-0.032	0.000	-0.000	0.000
303	0.000	-0.004	-0.032	0.000	-0.000	0.000
306	-0.004	-0.002	-0.031	-0.000	-0.000	0.000
201	-0.000	-0.000	-0.032	-0.000	-0.000	0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
512	GLOBAL	-0.002	-0.020	0.000	-0.000	0.000
511	GLOBAL	-0.001	-0.028	0.000	0.000	0.000
613	GLOBAL	-0.001	-0.039	0.000	0.000	0.000
602	GLOBAL	0.002	-0.188	0.000	0.000	0.000
611	GLOBAL	0.001	-0.038	0.000	-0.000	0.000
106	GLOBAL	-0.006	-0.032	0.000	-0.000	0.000
205	GLOBAL	-0.003	-0.042	0.000	-0.000	0.000
204	GLOBAL	-0.003	-0.042	0.000	-0.000	0.000
203	GLOBAL	-0.001	-0.033	0.000	0.000	0.000
101	GLOBAL	-0.001	-0.032	-0.000	0.000	0.000
202	GLOBAL	-0.001	-0.043	0.000	-0.000	0.000
612	GLOBAL	0.002	-0.188	0.000	0.000	0.000
105	GLOBAL	-0.003	-0.043	0.000	-0.000	0.000
104	GLOBAL	-0.003	-0.043	0.000	-0.000	0.000
103	GLOBAL	-0.001	-0.033	-0.000	0.000	0.000
102	GLOBAL	-0.001	-0.043	0.000	-0.000	0.000

LOADING - 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
41	101	-76.202	0.345	-5.482	1.159	757.948	54.150
41	102	76.202	-0.345	5.482	-1.159	195.908	5.615
42	102	-76.479	1.137	-4.421	-1.164	-195.049	45.524
43	103	76.479	-1.137	4.421	1.164	984.241	152.242
43	105	6.605	-1.029	-29.408	-0.184	5262.074	-144.790
44	105	-6.605	1.029	29.408	0.184	-147.257	-34.159
44	106	7.266	-0.823	-26.660	-0.699	203.157	-22.523
45	101	-80.796	0.378	-33.571	-0.617	4784.547	-120.749
45	104	80.796	-0.378	33.571	0.617	-5436.734	56.015
46	104	-80.758	0.977	-33.258	-0.400	-402.128	9.680
46	106	80.758	-0.977	33.258	0.400	269.422	34.670
47	102	-0.206	0.274	0.755	-0.144	-6057.246	131.214
47	104	0.206	-0.274	-0.755	0.144	6057.246	-131.214
48	102	-0.641	-0.521	-0.306	0.150	-131.796	23.352
48	105	0.641	0.521	0.306	-0.150	131.796	-23.352
49	104	0.913	-0.305	-0.442	-0.061	55.311	-27.071
49	106	-0.913	0.305	0.442	0.061	-55.311	27.071

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
49	105	-0.913	0.505	0.442	0.061	-56.395	-27.661
50	201	-489.720	0.688	-4.328	0.918	749.255	77.103
50	202	489.720	-0.688	4.328	-0.918	3.875	42.524
51	202	-491.443	0.795	-3.474	-0.601	17.434	21.650
51	203	491.443	-0.795	3.474	0.601	587.015	116.639
52	203	-597.700	-0.936	-16.444	-0.154	3000.841	-104.981
52	205	597.700	0.936	16.444	0.154	-140.792	-57.808
53	205	-597.276	0.479	-15.942	-0.543	182.151	58.818
53	206	597.276	-0.479	15.942	0.543	2592.289	24.500
54	201	852.860	1.044	23.255	0.654	-5994.191	91.104
54	204	-852.860	-1.044	-23.255	-0.654	-50.406	90.493
55	204	852.369	-0.558	22.902	-0.056	-59.389	-72.880
55	206	-852.369	0.558	-22.902	0.056	-3926.254	-24.497
56	202	-1.361	0.317	0.746	-0.132	-20.446	55.219
56	204	1.361	-0.317	-0.746	0.132	-109.274	19.833
57	205	-1.174	0.208	0.109	0.087	-22.074	-28.955
58	204	0.067	0.059	-0.593	-0.041	40.970	-7.248
58	205	-0.067	-0.059	0.593	0.041	110.065	2.020
59	301	173.379	-0.828	2.273	-0.260	-41.647	8.298
59	303	-173.379	0.828	-2.273	0.260	-273.526	174.534
60	303	1481.909	-9.284	-8.727	260.393	-616.870	149.878
60	306	-1481.909	9.284	8.727	-253.517	1515.658	-1482.540
61	306	-1780.214	-6.762	8.156	296.908	1902.987	-2154.466
61	301	1780.214	6.762	-8.156	-296.908	-1818.750	-1027.169
62	301	329.429	-2.004	1.513	91.613	-93.284	200.273
62	303	-329.429	2.004	-1.513	-91.613	-435.150	497.034
63	303	1005.749	-1.518	-21.191	13.662	3560.382	-305.926
63	306	-1005.749	1.518	21.191	-13.662	3793.096	-222.322
64	301	742.611	-2.033	25.218	96.692	-4333.259	-460.250
64	306	-742.611	2.033	-25.218	-96.692	-4441.074	-247.049
65	501	719.460	2.248	0.485	821.974	-229.276	-61.052
65	502	-719.460	-2.248	-0.485	-821.974	141.079	470.149
66	502	709.947	-1.728	-5.731	-597.362	41.501	-174.916
66	503	-709.947	1.728	5.731	597.362	1083.154	449.002
67	503	558.441	-14.208	-16.127	-126.861	3401.044	-1483.388
67	505	-558.441	14.208	16.127	126.861	-469.124	-1099.566
68	505	552.906	12.551	-18.975	223.537	869.969	1220.853
69	506	-552.906	-12.551	18.975	-223.537	2579.673	1060.900
69	501	1737.509	-8.135	18.548	410.293	-5772.117	-1163.530
69	504	-1737.509	8.135	-18.548	-410.293	400.113	-315.261
70	504	1722.310	2.059	21.916	-19.055	-958.349	125.458
70	506	-1722.310	-2.059	-21.916	19.055	-3025.960	248.959
71	502	-7.672	0.585	-2.671	-346.219	583.586	131.324

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
71	504	7.072	-0.585	2.671	346.219	-98.053	-25.056
72	502	6.537	-1.042	3.545	290.969	-687.483	-163.909
73	505	-6.537	1.042	-3.545	-290.969	42.945	-25.542
74	501	615.240	0.222	2.383	5496.133	-70.589	28.043
75	507	-615.240	-0.222	-2.383	-5496.133	-1.981	-21.289
76	507	615.245	0.0	0.0	-5496.176	0.0	0.0
77	510	615.245	0.0	0.0	5496.176	0.0	0.0
78	503	562.872	0.203	-2.180	-5727.695	64.528	26.365
79	504	-562.872	-0.203	2.180	5727.695	2.065	-22.186
80	508	562.877	0.0	0.0	-5727.738	0.0	0.0
81	511	-562.877	0.0	0.0	5727.738	0.0	0.0
82	506	535.562	-1.308	0.000	-1394.964	5.436	-59.750
83	509	-535.562	1.308	-0.000	1394.964	-5.436	-0.000
84	509	535.565	0.0	0.0	-1394.975	0.0	0.0
85	512	-535.565	0.0	0.0	1394.975	0.0	0.0
86	501	5.524	2.063	50.474	-467.134	-1834.661	103.837
87	513	-5.524	-2.063	-50.474	467.134	21.826	-29.731
88	503	9.537	0.347	-102.204	476.724	5149.589	19.714
89	514	-9.537	-0.347	102.204	-476.724	-521.183	-7.245
90	506	6.157	1.452	68.744	26.259	-1454.501	28.960
91	515	-6.157	-1.452	-68.744	-26.259	-1020.269	23.313
92	513	50.474	4.554	3.746	-29.731	215.226	-415.172
93	501	50.474	4.554	3.746	29.731	593.844	1398.773
94	514	-102.204	5.080	8.079	7.245	-690.927	-153.062
95	503	102.204	-5.080	-8.079	-7.245	-1054.154	1250.389
96	515	-68.744	6.157	-1.452	23.313	26.259	-1020.269
97	506	68.744	-6.157	1.452	-23.313	-26.259	-509.739
98	601	0.243	13.790	15.287	67.751	-1079.428	1018.090
99	611	-0.243	-13.790	-15.287	-67.751	-21.223	-25.246
100	603	1.566	10.429	12.786	-140.979	-929.040	-427.433
101	613	-1.566	-10.429	-12.786	140.979	8.429	76.576
102	601	0.191	26.800	-13.804	-38.575	718.923	1536.822
103	604	-0.191	-26.800	13.804	38.575	-109.520	-71.156
104	603	1.618	30.161	14.269	16.382	692.169	163.972
105	611	-1.618	-30.161	-14.269	-16.382	-64.393	-50.420
106	612	14.630	0.105	-0.697	15.265	69.598	-10.274
107	610	-14.630	-0.105	0.697	-15.265	-69.598	10.274
108	612	12.660	0.296	0.996	11.150	82.269	44.290
109	610	-12.660	-0.296	-0.996	-11.150	-82.269	-44.290
110	601	25.959	0.157	-0.785	22.725	109.041	12.497
111	602	-25.959	-0.157	0.785	-22.725	-88.228	-6.267
112	602	27.930	0.347	0.485	-0.624	78.954	-41.610
113	603	-27.930	-0.347	-0.485	0.624	-52.974	7.594
114	601	-14.560	-0.548	1.250	-49.890	50.697	-81.538
115	611	14.560	0.548	-1.250	49.890	-132.145	48.057

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
93	661	14,560	0,348	-1,250	49,890	49,890	-49,653	-94,683	
94	612	0,298	-0,191	1,971	-34,017	-34,017	-151,667	-4,115	
94	662	-0,298	0,191	-1,971	34,017	34,017	-131,924	-23,349	
95	613	-13,959	-1,270	0,242	66,217	66,217	51,938	-10,235	
95	663	13,959	1,270	-0,242	-66,217	-66,217	-67,079	-174,583	
96	501	-17,694	-5,680	3,229	489,257	489,257	-960,371	-2471,954	
96	703	17,694	5,680	-3,229	-489,257	-489,257	-674,031	-402,834	
97	503	-1553,450	-11,734	10,280	15,236	15,236	3105,826	-3818,296	
97	706	1553,450	11,734	-10,280	-15,236	-15,236	2097,936	-2121,208	
98	506	-1220,113	-1,445	6,291	278,590	278,590	-1617,631	-601,188	
98	701	1220,113	1,445	-6,291	-278,590	-278,590	-1566,492	-130,193	
99	701	-74,534	-4,145	0,508	66,244	66,244	104,868	-611,004	
99	702	74,534	4,145	-0,508	-66,244	-66,244	-59,570	-322,102	
100	504	20,770	1,714	-0,697	-10,759	-10,759	400,142	164,805	
100	505	-20,770	-1,714	0,697	10,759	10,759	-273,566	146,829	
101	702	-76,450	3,239	-0,552	50,771	50,771	65,087	335,106	
101	703	76,450	-3,239	0,552	-50,771	-50,771	59,149	398,049	
102	703	-689,919	-1,801	-1,576	-42,792	-42,792	310,538	-212,747	
102	705	689,919	1,801	1,576	42,792	42,792	44,160	-192,623	
103	705	-692,825	-2,665	-1,650	-4,575	-4,575	46,611	268,912	
103	706	692,825	2,665	1,650	4,575	4,575	325,007	331,225	
104	701	61,546	-2,527	1,108	-63,882	-63,882	-259,176	-474,949	
104	704	-61,546	2,527	-1,108	63,882	63,882	-10,228	-48,693	
105	704	53,853	-3,035	1,278	-50,484	-50,484	55,767	-261,316	
105	706	-53,853	3,035	-1,278	50,484	50,484	-251,941	-421,998	
106	702	-6,295	-0,777	-0,137	-50,756	-50,756	28,908	-34,363	
106	704	6,295	0,777	0,137	50,756	50,756	1,848	-140,416	
107	702	-1,616	-0,287	0,107	36,752	36,752	-55,680	-47,367	
107	705	1,616	0,287	-0,107	-36,752	-36,752	31,515	-17,331	
108	704	5,723	1,169	-0,033	-13,621	-13,621	69,837	169,614	
108	705	-5,723	-1,169	0,033	13,621	13,621	-62,419	93,620	
109	701	-222,857	-0,080	-0,863	13478,496	13478,496	31,146	49,753	
109	707	222,857	0,080	0,863	-13478,496	-13478,496	-4,859	-52,209	
110	707	222,859	0,0	0,0	13478,598	13478,598	0,0	0,0	
110	710	-222,859	0,0	0,0	-13478,598	-13478,598	0,0	0,0	
111	703	-352,750	-0,127	1,566	-11381,316	-11381,316	-45,711	40,214	
111	708	352,750	0,127	-1,566	11381,316	11381,316	4,103	-44,086	
112	708	352,753	0,0	0,0	11381,402	11381,402	0,0	0,0	
112	711	-352,753	0,0	0,0	-11381,402	-11381,402	0,0	0,0	
113	706	261,678	-1,020	0,000	1924,614	1924,614	-7,499	-31,022	
113	709	-261,678	1,020	-0,000	-1924,614	-1924,614	7,499	-0,000	
114	709	261,680	0,0	0,0	1924,629	1924,629	0,0	0,0	
114	712	-261,680	0,0	0,0	-1924,629	-1924,629	0,0	0,0	
115	701	448,677	-5,031	-0,782	-142,071	-142,071	290,925	-959,815	

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
115	806	000.877	5.051	0.782	142.071	179.499	-865.063
116	703	87.975	0.115	-0.133	109.887	-9.516	-196.709
116	801	-87.975	-0.115	0.133	-109.887	89.384	265.727
117	701	22.938	-1.520	-0.933	-137.258	377.567	-546.862
117	803	22.938	1.520	0.933	137.258	184.262	-308.319
118	801	0.144	-2.010	0.406	32.681	-25.496	-322.895
118	802	-0.144	2.010	-0.406	-32.681	85.536	-226.877
119	802	-0.213	2.822	-0.555	-179.619	68.649	287.514
119	803	0.213	-2.822	0.555	179.619	83.059	404.350
120	803	-225.266	-1.854	-3.752	-124.274	937.201	-361.033
120	805	225.266	1.854	3.752	124.274	89.030	-146.020
121	805	-229.140	-0.245	-4.010	-73.939	38.784	64.082
121	806	229.140	0.245	4.010	73.939	1058.199	-131.134
122	801	-19.620	-1.025	0.804	-17.249	-274.552	-231.823
122	804	19.620	1.025	-0.804	17.249	54.567	-48.844
123	804	-23.158	-0.445	1.507	-198.967	-43.031	15.558
123	806	23.158	0.445	-1.507	198.967	-369.299	106.075
124	802	-2.713	-0.041	-0.766	-44.979	109.473	9.724
124	804	2.713	0.041	0.766	44.979	100.129	-20.894
125	802	-2.615	-0.396	0.195	48.421	-81.746	-50.914
125	805	2.615	0.396	-0.195	-48.421	28.506	-57.347
126	804	-4.370	-0.045	0.063	36.667	62.537	12.432
126	805	4.370	0.045	-0.063	-36.667	-79.827	-24.811
127	801	-5.137	-0.002	-0.020	5747.992	2.678	22.209
127	807	5.137	0.002	0.020	-5747.992	-2.072	-22.265
128	807	5.137	0.0	0.0	-5748.035	0.0	0.0
128	810	-5.137	0.0	0.0	5748.035	0.0	0.0
129	803	52.892	0.019	-0.205	990.478	6.596	-3.256
129	808	-52.892	-0.019	0.205	-990.478	-0.357	3.837
130	808	52.892	0.0	0.0	-990.486	0.0	0.0
130	811	-52.892	0.0	0.0	990.486	0.0	0.0
131	806	-98.383	0.383	0.000	6263.539	-24.406	11.654
131	809	98.383	-0.383	-0.000	-6263.539	24.406	-0.000
132	809	86.384	0.0	0.0	-6263.586	0.0	0.0
132	812	-86.384	0.0	0.0	6263.586	0.0	0.0
133	801	0.330	0.126	-0.051	-22.143	27.894	-3.500
133	903	-0.330	-0.126	0.051	22.143	8.576	93.381
134	803	385.991	-1.763	-0.403	-33.700	172.727	-749.136
134	906	-385.991	1.763	0.403	33.700	115.283	-512.063
135	806	-296.642	-1.052	0.057	-87.461	96.753	-492.310
135	901	296.642	1.052	-0.057	87.461	-137.816	-259.765
136	901	62.184	-0.342	0.033	31.210	5.319	-53.137
136	902	-62.184	0.342	-0.033	-31.210	-16.099	-59.474
137	902	61.615	1.135	-0.163	-25.699	19.861	123.618

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
137	903	61.615	-1.135	0.163	25.699	33.648	249.950
138	903	-129.027	-1.116	-0.534	-15.528	171.691	-239.054
139	905	129.027	1.116	0.534	15.528	5.874	-128.220
139	905	-130.565	-0.065	-0.618	-6.176	15.459	80.166
140	901	150.565	0.065	0.618	6.176	187.999	-58.739
140	901	-107.026	-0.197	0.437	16.529	152.260	-60.468
140	904	107.026	0.197	-0.437	-16.529	8.497	-4.367
141	904	-105.696	-0.288	0.548	-17.434	-22.745	1.348
141	906	105.696	0.288	-0.548	17.434	-157.522	93.533
142	902	-1.111	0.074	-0.104	-13.890	23.729	23.147
142	904	1.111	-0.074	0.104	13.890	10.335	1.040
143	902	-0.503	-0.233	0.092	11.591	-27.272	-40.947
143	905	0.503	0.233	-0.092	-11.591	-2.940	-35.502
144	904	1.721	-0.026	-0.007	2.639	19.337	4.058
144	905	-1.721	0.026	0.007	-2.639	-16.954	-12.551
145	901	102.705	0.037	0.398	1131.650	-11.707	5.511
145	907	-102.705	-0.037	-0.398	-1131.650	-0.408	-4.383
146	907	-102.706	0.0	0.0	-1131.658	0.0	0.0
146	910	102.706	0.0	0.0	1131.658	0.0	0.0
147	903	98.257	0.035	-0.581	-1351.484	11.103	6.314
147	908	-98.257	-0.035	0.581	1351.484	0.487	-5.235
148	908	98.258	0.0	0.0	1351.495	0.0	0.0
148	911	-98.258	0.0	0.0	-1351.495	0.0	0.0
149	906	72.635	0.284	0.000	-2138.842	8.334	8.628
149	909	-72.635	-0.284	-0.000	2138.842	-8.334	-0.000
150	909	72.636	0.0	0.0	-2138.898	0.0	0.0
150	912	-72.636	0.0	0.0	2138.898	0.0	0.0
151	901	-2.502	0.110	-0.106	4.292	30.522	12.318
151	1002	2.502	-0.110	0.106	-4.292	23.196	43.191
152	903	2.754	-0.125	0.020	6.454	-29.940	-54.739
152	1002	-2.754	0.125	-0.020	-6.454	-7.158	-8.454
153	903	220.587	-0.095	0.072	6.991	-19.995	-59.652
153	1005	-220.587	0.095	-0.072	-6.991	-16.481	11.628
154	906	221.269	0.337	-0.058	20.792	41.408	70.844
154	1005	-221.269	-0.337	0.058	-20.792	-12.089	99.403
155	901	216.665	0.093	-0.233	-0.849	49.082	-3.437
155	1004	-216.665	-0.093	0.233	0.849	69.019	50.522
156	906	216.405	0.027	-0.010	13.184	6.564	-26.124
156	1004	-216.405	-0.027	0.010	-13.184	-1.633	39.721
157	1001	148.153	-0.460	0.162	37.629	-64.293	-92.607
157	1002	-148.153	0.460	-0.162	-37.629	2.105	-84.406
158	1002	151.097	-0.554	-0.094	-17.561	-4.274	78.152
158	1003	-151.097	0.554	0.094	17.561	40.560	134.873
159	1003	-150.098	-0.070	-0.791	-4.501	214.993	-38.644

MEMBER FORCES

MEMBER	JUICY	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
159	1005	150.098	0.070	0.791	4.501	69.279	11.599
160	1005	135.772	-0.169	-0.607	6.797	22.466	-2.121
160	1006	-135.772	0.169	0.607	-6.797	210.983	-62.762
161	1001	-100.555	0.018	0.577	-10.982	-194.918	2.406
161	1004	144.555	-0.018	-0.577	10.982	-22.623	4.705
162	1004	139.028	0.560	0.692	-37.042	-74.380	71.156
162	1006	-139.028	-0.560	-0.692	37.042	-191.695	144.372
163	1002	-0.129	0.067	-0.138	-8.696	29.237	11.859
163	1004	0.129	-0.067	0.138	8.696	-23.707	-13.947
164	1002	-1.096	-0.036	0.226	6.012	-53.624	-8.117
164	1005	1.096	0.036	-0.226	-6.012	-53.624	-5.826
165	1004	0.913	-0.052	0.101	3.732	-9.841	-12.280
165	1005	-0.913	0.052	-0.101	-3.732	-28.834	-7.899
166	1001	-255.148	-0.092	0.987	-201.428	29.994	-3.578
166	1007	255.148	0.092	-0.987	201.428	0.073	0.779
167	1007	255.150	0.0	0.0	201.430	0.0	0.0
167	1010	-255.150	-0.094	1.005	-201.430	0.0	0.0
168	1003	-259.630	0.094	-1.005	16.600	-30.612	-2.914
168	1008	259.630	-0.094	1.005	-16.600	-0.006	0.064
169	1008	-259.632	0.0	0.0	-16.600	0.0	0.0
169	1011	259.632	-0.0	0.0	16.600	0.0	0.0
170	1006	239.321	-0.932	-0.000	-214.511	0.835	-28.322
170	1009	-239.321	0.932	0.000	214.511	-0.835	-0.000
171	1009	-239.323	0.0	0.0	214.513	0.0	0.0
171	1012	239.323	-0.0	0.0	-214.513	0.0	0.0
172	101	2992.910	80.505	-38.113	-110.164	1960.910	4709.227
172	201	-2992.910	-80.505	38.113	110.164	-899.371	9781.680
173	103	2947.171	145.200	73.284	-297.032	-3596.274	4557.676
173	203	-2947.171	-145.200	-73.284	297.032	-9594.816	21578.332
174	106	3042.918	227.295	-55.171	-251.982	636.684	9340.410
174	206	-3042.918	-227.295	55.171	251.982	-5694.125	-31522.664
175	201	9524.309	-324.022	50.635	-313.764	-3377.693	-6633.344
175	301	-9524.309	324.022	-50.635	313.764	-5772.374	-52410.719
176	203	8723.363	445.544	-26.344	-827.364	6343.266	-17215.645
176	303	-8723.363	-445.544	26.344	827.364	-11445.160	-62942.348
177	206	10541.117	-584.764	27.684	-296.385	-3923.789	-24538.520
177	306	-10541.117	584.764	-27.684	296.385	-1059.259	-80718.938
178	401	8670.219	392.848	-35.080	-38.892	8843.129	58573.828
178	401	-8670.219	-392.848	35.080	38.892	-3114.206	-75780.063
179	303	8744.840	429.009	-106.521	-722.496	10662.967	66169.625
179	403	-8744.840	-429.009	106.521	722.496	-25743.066	80573.938
180	306	11503.418	627.143	-12.511	-600.190	457.737	90447.000
180	406	-11503.418	-627.143	12.511	600.190	-3821.129	-123995.875
181	401	1044.343	902.845	-925.392	-10641.539	17687.914	-28234.238

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR	SHEAR	TORSIONAL	MOMENT	BENDING	BENDING
			AXIAL	Y	Z		Y	Z	
181	501	-1044.363	-902.845	925.392	10641.539	32977.914	77665.563		
182	403	1034.202	1002.593	1195.746	16503.867	-23945.672	-27369.316		
183	503	-1034.202	-1002.593	-1195.746	-16503.867	-23945.672	27369.316		
184	406	-2942.108	-765.534	-12.732	-1225.966	1135.479	-64185.640		
185	506	2942.108	765.534	12.732	1225.966	-1135.479	64185.640		
186	501	1433.753	-270.101	101.965	-6852.043	-25761.698	-75491.688		
187	601	-1433.753	270.101	-101.965	6852.043	25761.698	75491.688		
188	503	666.651	-346.004	-109.856	4547.277	51714.762	-80420.125		
189	603	-666.651	346.004	109.856	-4547.277	-51714.762	80420.125		
190	506	-1924.047	-86.945	66.840	229.274	3374.823	-17495.895		
191	606	1924.047	86.945	-66.840	-229.274	-3374.823	17495.895		
192	601	1446.931	-268.784	84.986	-5745.450	18160.871	-54849.047		
193	603	-1446.931	268.784	-84.986	5745.450	-18160.871	54849.047		
194	605	677.938	-343.524	97.190	-3655.691	23482.062	-54361.031		
195	605	-677.938	343.524	-97.190	3655.691	-23482.062	54361.031		
196	701	1378.787	-270.687	61.875	-4538.117	6286.887	-17914.703		
197	701	-1378.787	270.687	-61.875	4538.117	-6286.887	17914.703		
198	605	557.268	-350.260	75.163	-2250.288	5848.991	-23469.234		
199	605	-557.268	350.260	-75.163	2250.288	-5848.991	23469.234		
200	606	1992.905	-80.798	68.292	-199.702	13549.109	-8334.300		
201	706	-1992.905	80.798	-68.292	199.702	-13549.109	8334.300		
202	701	527.617	-25.129	28.611	-999.912	6364.458	-5098.805		
203	701	-527.617	25.129	-28.611	999.912	-6364.458	5098.805		
204	703	414.716	-64.665	4.544	-2013.853	3380.729	-3460.518		
205	703	-414.716	64.665	-4.544	2013.853	-3380.729	3460.518		
206	706	-977.527	52.891	107.021	908.563	-280.777	8395.695		
207	806	977.527	-52.891	-107.021	-908.563	280.777	-8395.695		
208	601	555.826	-7.918	2.842	-134.570	416.227	-1474.636		
209	601	-555.826	7.918	-2.842	134.570	-416.227	1474.636		
210	603	201.424	-17.537	0.291	863.179	-690.260	-1608.092		
211	603	-201.424	17.537	-0.291	-863.179	690.260	1608.092		
212	606	-581.690	-12.684	-28.263	-863.179	8327.766	-5606.219		
213	606	581.690	12.684	28.263	863.179	-8327.766	5606.219		
214	901	42.700	3.487	-3.766	-103.673	1409.496	-702.051		
215	1001	-42.700	-3.487	3.766	103.673	-1409.496	702.051		
216	903	44.059	0.956	2.277	188.619	-761.251	193.979		
217	903	-44.059	-0.956	-2.277	-188.619	761.251	-193.979		
218	906	-40.748	4.600	0.997	-209.959	603.091	-1447.400		
219	1006	40.748	-4.600	-0.997	209.959	-603.091	1447.400		
220	401	7469.434	201.580	-346.484	77.352	-21695.605	-46762.445		
221	510	-7469.434	-201.580	346.484	-77.352	21695.605	46762.445		
222	403	7403.094	116.895	1021.667	6119.273	-33.502	-57822.977		
223	511	-7403.094	-116.895	-1021.667	-6119.273	33.502	57822.977		
224	406	14392.293	-503.626	0.220	7.484	-4405.941	-57076.762		
225	406	-14392.293	503.626	-0.220	-7.484	4405.941	57076.762		

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
203	512	-14391.293	503.826	-0.220	-7.484	4793.848	32168.512
204	510	7468.918	-110.160	186.421	13.694	-43023.441	-53043.434
204	710	-7468.918	110.160	-186.421	-13.694	43274.219	19539.691
205	511	7468.898	-150.551	-257.061	-8.483	59550.410	-52917.520
205	711	-7468.898	150.551	257.061	8.483	-18631.340	7129.242
206	512	14391.652	-175.299	0.220	6.759	-6188.824	-32168.484
206	712	-14391.652	175.299	-0.220	-6.759	6121.770	21147.664
207	710	7469.148	0.084	-3.902	3.367	6615.789	-7820.488
207	810	-7469.148	-0.084	3.902	-3.367	-5286.605	7848.953
208	711	7469.281	23.865	46.199	4.698	-13008.563	2766.795
208	811	-7469.281	-23.865	-46.199	-4.698	13008.563	-2766.795
209	712	14391.316	41.766	0.220	6.036	-2727.202	5361.750
209	812	-14391.316	-41.766	-0.220	-6.036	2727.202	-5361.750
210	910	7469.145	4.194	-13.908	-7.393	4122.043	10109.781
210	910	-7469.145	-4.194	13.908	7.393	-4122.043	-10109.781
211	811	7469.203	-0.694	5.752	7.441	2968.208	-2851.584
211	911	-7469.203	0.694	-5.752	-7.441	-2968.208	2851.584
212	812	14391.465	-12.856	0.220	-2.566	2238.231	-6222.770
212	912	-14391.465	12.856	-0.220	2.566	-2238.231	6222.770
213	910	7469.055	46.517	-77.670	-7.065	2141.539	5952.523
213	910	-7469.055	-46.517	77.670	7.065	-2141.539	-5952.523
214	1011	7469.113	-49.207	-81.958	7.065	-2227.371	5104.699
214	1011	-7469.113	49.207	81.958	-7.065	2227.371	-5104.699
215	1012	14391.543	-85.712	0.220	-0.238	26709.605	-14608.594
215	1012	-14391.543	85.712	-0.220	0.238	-26709.605	14608.594
216	1010	7469.242	79.138	-147.005	0.000	26809.766	-28263.625
216	1010	-7469.242	-79.138	147.005	-0.000	-26809.766	28263.625
217	1011	7469.305	78.760	-146.787	0.000	-0.000	0.000
217	1011	-7469.305	-78.760	146.787	0.000	0.000	0.000
218	1012	14391.266	154.984	0.220	-0.000	-40.206	28263.621
218	1012	-14391.266	-154.984	-0.220	0.000	40.206	-28263.621

RESULTANT JOINT LOADS - SUPPORTS

JOINT	X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1110						
1111						
1112						
GLOBAL	-921.937	535.468	7394.645	0.000	-0.000	0.000
GLOBAL	922.157	-535.468	-7394.645	0.000	0.000	-0.000
GLOBAL	-0.220	-2520.518	14169.707	-0.000	0.000	0.000
	0.000	-1449.000	28295.997			

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

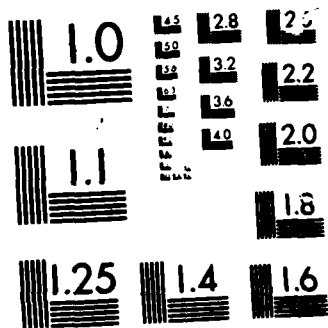
JOINT	DISPLACEMENT			ROTATION		
	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110	0.0	0.0	0.0	-0.000	-0.000	0.000
1111	0.0	0.0	0.0	-0.000	0.000	-0.000
1112	0.0	0.0	0.0	-0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	DISPLACEMENT			ROTATION		
	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010	-0.001	0.001	-0.001	-0.000	-0.000	0.000
1007	0.000	0.003	-0.002	-0.000	-0.000	0.000
910	-0.001	0.002	-0.001	-0.000	0.000	0.000
1001	0.000	0.003	-0.002	-0.000	-0.000	0.000
907	0.000	0.004	-0.002	-0.000	0.000	0.000
810	-0.001	0.004	-0.002	-0.000	0.000	0.000
1002	0.000	0.002	-0.002	-0.000	-0.000	0.000
1004	0.000	0.003	-0.003	-0.000	0.000	0.000
901	0.000	0.004	-0.002	-0.000	0.000	0.000
807	0.000	0.005	-0.002	-0.000	0.000	0.000
710	-0.000	0.005	-0.002	-0.000	0.000	0.000
1005	0.000	0.002	-0.002	-0.000	0.000	0.000
1005	0.000	0.002	-0.003	-0.000	-0.000	0.000
903	0.000	0.003	-0.002	-0.000	-0.000	0.000
1006	-0.000	0.002	-0.004	-0.000	0.000	0.000
906	-0.000	0.004	-0.004	-0.000	0.000	0.000
902	0.000	0.004	-0.002	-0.000	-0.000	0.000
904	-0.000	0.004	-0.003	-0.000	0.000	0.000
806	-0.000	0.005	-0.003	-0.000	0.000	0.000
801	0.000	0.005	-0.002	-0.000	0.000	0.000
707	0.000	0.006	-0.002	-0.000	0.000	0.000
510	0.000	0.008	-0.003	-0.000	-0.000	0.000
1008	0.000	0.002	-0.002	-0.000	0.000	0.000
908	0.000	0.003	-0.002	-0.000	-0.000	0.000
905	-0.000	0.003	-0.003	-0.000	-0.000	0.000
803	0.000	0.005	-0.002	-0.000	-0.000	-0.000
1009	-0.000	0.002	-0.004	-0.000	0.000	0.000
909	-0.000	0.004	-0.004	-0.000	0.000	0.000
809	-0.000	0.005	-0.003	-0.000	0.000	-0.000
805	-0.000	0.005	-0.003	-0.000	-0.000	0.000
804	-0.000	0.005	-0.003	-0.000	0.000	0.000
706	0.001	0.007	-0.003	-0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
701	0.000	0.006	-0.002	-0.000	0.000	0.000
802	0.000	0.005	-0.002	-0.000	-0.000	0.000
703	0.000	0.006	-0.002	-0.000	-0.000	-0.000
507	0.000	0.008	-0.002	-0.000	-0.000	0.000
401	-0.000	0.009	-0.003	-0.000	-0.000	0.000
1011	0.001	0.001	-0.001	-0.000	0.000	-0.000
911	0.001	0.002	-0.001	-0.000	-0.000	-0.000
808	0.000	0.005	-0.002	-0.000	-0.000	-0.000
1012	0.000	0.002	-0.000	-0.000	0.000	-0.000
912	0.000	0.003	-0.001	-0.000	0.000	-0.000
312	0.001	0.005	-0.001	-0.000	0.000	-0.000
709	0.001	0.007	-0.003	-0.000	0.000	-0.000
656	0.001	0.007	-0.003	-0.000	-0.000	-0.000
705	0.000	0.007	-0.003	-0.000	-0.000	-0.000
704	0.000	0.006	-0.003	-0.000	0.000	-0.000
503	0.000	0.006	-0.003	-0.000	0.000	-0.000
702	0.000	0.006	-0.002	-0.000	-0.000	-0.000
651	0.000	0.006	-0.002	-0.000	0.000	-0.000
506	0.001	0.007	-0.002	-0.000	-0.000	0.000
708	0.000	0.007	-0.002	-0.000	-0.000	-0.000
653	0.000	0.007	-0.002	-0.000	0.000	-0.000
501	0.000	0.008	-0.003	-0.000	-0.000	-0.000
301	-0.001	0.021	-0.004	-0.000	0.000	0.000
811	0.001	0.004	-0.002	-0.000	-0.000	-0.000
712	0.001	0.006	-0.002	-0.000	0.000	-0.000
515	0.001	0.007	-0.003	-0.000	-0.000	-0.000
508	0.000	0.008	-0.002	-0.000	0.000	-0.000
514	0.000	0.008	-0.002	-0.000	0.000	-0.000
403	0.001	0.009	-0.003	-0.000	0.000	-0.000
603	0.000	0.007	-0.003	-0.000	0.000	-0.000
502	0.000	0.008	-0.003	-0.000	-0.000	0.000
505	0.000	0.008	-0.003	-0.000	-0.000	-0.000
513	0.000	0.008	-0.002	-0.000	-0.000	0.000
601	0.000	0.006	-0.002	-0.000	0.000	-0.000
509	0.001	0.007	-0.003	-0.000	-0.000	-0.000
406	0.001	0.008	-0.002	-0.000	-0.000	-0.000
504	0.000	0.006	-0.002	-0.000	0.000	-0.000
711	0.000	0.007	-0.002	-0.000	0.000	0.000
601	0.000	0.007	-0.002	-0.000	0.000	0.000
501	-0.001	0.023	-0.005	-0.000	-0.000	-0.000
501	-0.001	0.020	-0.004	-0.000	-0.000	-0.000
501	-0.000	0.021	-0.004	-0.000	-0.000	-0.000
501	-0.000	0.024	-0.004	-0.000	0.000	0.000



MICROCOPY RESOLUTION TEST CHART

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
512	0.001	0.007	-0.002	-0.000	-0.000	-0.000
511	0.000	0.008	-0.003	-0.000	0.000	-0.000
613	0.000	0.007	-0.002	-0.000	0.000	0.000
602	0.000	0.007	-0.002	-0.000	0.000	-0.000
611	0.000	0.007	-0.002	-0.000	0.000	-0.000
106	-0.002	0.025	-0.005	-0.000	-0.000	0.000
205	-0.001	0.023	-0.005	0.000	-0.000	0.000
204	-0.001	0.023	-0.004	0.000	0.000	0.000
203	-0.001	0.022	-0.004	-0.000	0.000	-0.000
101	-0.000	0.027	-0.005	-0.000	0.000	0.000
202	-0.001	0.023	-0.004	-0.000	-0.000	0.000
612	0.000	0.007	-0.002	-0.000	0.000	0.000
105	-0.001	0.025	-0.005	0.000	-0.000	0.000
104	-0.001	0.026	-0.004	0.000	0.000	0.000
103	-0.000	0.025	-0.005	-0.000	0.000	-0.000
102	-0.000	0.026	-0.005	-0.000	-0.000	0.000

LOADING = 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
41	101	48,226	0.789	-59,259	0.086	7042.785	105,920
41	102	-48,226	-0.789	59,259	-0.086	-211.653	31,432
42	102	48,679	0.467	-59,007	0.143	348,566	15,920
43	103	-48,679	-0.467	59,007	-0.143	-638,695	65,261
43	105	87,416	-0.546	-13,057	1.086	2545.689	-57,618
44	105	-87,416	0.546	13,057	-1.086	-274,695	-2,511
44	106	88,162	1.331	-13,866	0.960	325,876	-52,749
45	101	-48,905	0.600	-15,784	1.372	2087.223	-178,909
45	104	48,905	-0.600	15,784	-1.372	-2730.657	93,254
46	104	-50,211	1.275	-16,845	-0.595	14,514	11,052
46	106	50,211	-1.275	16,845	0.595	-7,004	-46,694
47	102	1,137	0.298	-0.737	-0.136	2938.480	174,900
47	104	-1,137	-0.298	0.737	0.136	-156,722	24,142
48	102	-0.773	-0.282	0.485	-0.074	8,567	27,620
48	105	0.773	0.282	-0.485	0.074	-136,619	-23,209
49	104	-0.364	-0.344	0.324	0.135	52,315	-25,810
						-6,460	-30,326

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
49	105	0.364	0.364	-0.424	-0.135	-49.966	-29.850
50	201	727.014	-0.450	-26.404	0.309	4551.613	-17.539
50	202	-727.014	0.450	26.404	-0.309	42.659	-60.745
51	201	727.161	1.201	-26.527	0.255	75.669	95.865
51	203	-727.161	-1.201	26.527	-0.255	4505.219	113.097
52	205	-786.467	-0.919	-7.519	0.806	1327.311	-95.742
52	205	786.467	0.919	7.519	-0.806	-19.567	-64.065
53	205	-790.215	-0.500	-8.229	-0.511	40.254	9.160
53	206	790.215	0.500	8.229	0.511	1391.767	-96.087
54	201	-167.478	-0.289	-7.271	0.855	1119.908	-18.424
54	204	167.478	0.289	7.271	-0.855	144.772	-31.927
55	204	-166.235	0.657	-8.058	-0.406	-137.440	26.637
55	206	166.235	-0.657	8.058	0.406	1539.759	67.751
56	202	-0.591	0.008	0.235	-0.102	-118.109	7.451
56	204	0.591	-0.008	-0.235	0.102	7.978	-6.005
57	202	-1.515	-0.356	0.556	-0.083	-118.101	-27.670
57	205	1.515	0.356	-0.556	0.083	21.589	-38.206
58	204	1.551	-0.125	0.153	0.099	-6.695	-0.715
58	205	-1.551	0.125	-0.153	-0.099	-19.967	-20.699
59	201	-1950.981	-0.064	-11.143	157.363	1872.228	-66.447
59	303	1950.981	0.064	11.143	-157.363	2093.758	41.265
60	203	-1111.240	-5.883	-5.158	-215.522	819.760	-938.961
60	306	1111.240	5.883	5.158	215.522	1200.779	629.337
61	206	-1106.854	3.337	-7.132	351.695	1166.291	-677.999
61	301	1106.854	-3.337	7.132	-351.695	1627.669	677.999
62	301	-947.440	-1.763	-25.852	108.729	4593.895	-254.581
62	303	947.440	1.763	25.852	-108.729	4402.563	358.960
63	305	-145.051	-2.825	-11.775	61.356	1692.747	-314.406
63	306	145.051	2.825	11.775	-61.356	2204.298	-668.676
64	301	-730.434	0.745	-11.432	43.390	2063.233	4.677
64	306	730.434	-0.745	11.432	-43.390	1914.425	254.552
65	501	-1731.144	-2.382	-24.279	350.406	3544.525	-362.817
65	502	1731.144	2.382	24.279	-350.406	449.320	-70.164
66	502	-1751.985	-2.708	-25.011	93.250	-192.834	84.424
66	503	1751.985	2.708	25.011	-93.250	4739.750	-580.000
67	503	-254.527	-5.581	-13.144	773.492	2385.929	-313.668
67	505	254.527	5.581	13.144	-773.492	3.675	-700.980
68	505	-232.056	-6.069	-7.933	511.211	176.597	240.719
68	506	232.056	6.069	7.933	-511.211	1265.568	-1348.036
69	501	-1002.930	-17.350	-11.083	462.907	1194.669	-1761.089
69	504	1002.930	17.350	11.083	-462.907	929.427	-1373.065
70	504	-1004.485	-20.099	-5.739	443.914	-694.849	1232.870
70	506	1004.485	20.099	5.739	-443.914	1738.235	2421.133
71	502	-26.552	-1.303	-1.692	-211.550	-149.154	-97.248

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
71	504	-22,552	1,383	1,692	211,550	456,771	-154,232		
72	502	-20,181	-1,991	-0,960	-222,344	-452,507	-111,503		
72	505	20,181	1,991	0,960	222,344	626,672	-250,371		
73	501	448,542	0,162	1,737	2804,051	-51,896	15,745		
73	507	-448,542	-0,162	-1,737	-2804,051	-1,911	-10,462		
74	507	448,545	0,0	0,0	-2804,072	0,0	0,0		
74	510	448,545	0,0	0,0	2804,072	0,0	0,0		
75	503	671,165	0,242	-2,600	4200,809	40,681	-8,904		
75	504	-671,165	-0,242	2,600	-4200,809	-1,514	16,272		
76	508	671,170	0,0	0,0	-4200,844	0,0	0,0		
76	511	671,170	0,0	0,0	4200,844	0,0	0,0		
77	506	480,003	-1,870	0,000	-8116,426	51,626	-56,660		
77	509	-480,003	1,870	-0,000	8116,426	-31,626	-0,000		
78	509	480,006	0,0	0,0	-8116,484	0,0	0,0		
78	512	480,006	0,0	0,0	8116,484	0,0	0,0		
79	501	-4,446	1,267	56,410	-232,164	-1253,669	47,373		
79	513	4,446	-1,267	-56,410	232,164	-772,340	-1,069		
80	503	-6,758	-2,232	-79,169	-359,986	2602,451	-114,244		
80	514	6,758	2,232	79,169	359,986	40,982	34,126		
81	506	-8,792	-1,191	88,750	612,710	-2446,999	-32,695		
81	515	8,792	1,191	-88,750	-612,710	-748,007	-9,968		
82	515	-56,410	3,325	-3,212	-1,869	784,704	146,153		
82	651	56,410	-3,325	3,212	1,869	-90,819	531,964		
83	514	-79,169	2,454	8,697	-54,126	144,951	332,054		
83	653	79,169	-2,454	-8,697	54,126	-2023,497	198,629		
84	515	-48,750	-8,792	1,191	-9,968	612,710	-748,007		
84	656	48,750	8,792	-1,191	9,968	-869,869	-1151,100		
85	611	-2,013	-15,441	10,843	-95,931	-571,313	-939,584		
85	611	2,013	15,441	-10,843	95,931	-209,385	-172,178		
86	603	0,674	27,052	-9,068	-471,408	500,351	1734,562		
86	613	-0,674	-27,052	9,068	471,408	152,336	213,160		
87	651	-2,685	-13,859	-4,676	51,910	320,876	-735,115		
87	661	2,685	13,859	4,676	-31,910	-40,304	-96,411		
86	653	-1,546	2,244	2,901	-4,917	-107,154	425,655		
86	663	1,546	-2,244	-2,901	4,917	-66,905	-290,761		
89	611	18,404	-0,105	-3,504	21,570	354,327	-91,342		
89	612	-18,404	0,105	3,504	-21,570	314,704	71,145		
90	612	26,528	0,223	-3,893	-5,413	327,871	-15,693		
90	613	-26,528	-0,223	3,893	5,413	419,995	58,510		
91	661	10,696	-0,567	-2,663	33,735	284,500	-133,277		
91	662	-10,696	0,567	2,663	-33,735	262,529	12,523		
92	662	2,772	-0,495	-2,274	13,466	244,988	-67,975		
92	663	-2,772	0,495	2,274	-13,466	-239,140	-122,602		
93	611	-6,841	2,116	3,980	-47,054	-262,595	240,127		

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
93	601	6.041	-2.110	-5.960	47.054	-316.410	68.025
94	612	0.388	-0.328	0.124	-55.452	-642.575	-26.983
94	662	-0.388	0.328	-0.124	55.452	-527.316	-20.246
95	603	5.046	0.051	1.257	174.061	51.413	-125.550
95	663	-5.046	-0.051	-1.257	-174.061	-234.224	28.877
96	501	1450.957	-5.447	-6.359	347.325	2018.184	-1627.057
96	703	1450.957	5.447	6.359	-347.325	1200.405	-1129.419
97	503	921.790	-5.783	-9.163	404.943	3649.917	-906.430
97	706	921.790	5.783	9.163	-404.943	988.363	-2020.956
98	506	787.110	3.411	-8.637	77.033	3401.116	903.755
98	701	787.110	-3.411	8.637	-77.033	1071.623	827.495
99	701	169.658	-3.977	-1.128	51.636	229.910	-549.490
99	702	-169.658	3.977	1.128	-51.636	24.123	-305.491
100	504	19.180	-1.252	-4.251	366.770	256.439	-14.038
100	505	-19.180	1.252	4.251	-366.770	516.446	-209.491
101	702	174.969	-0.623	-1.260	29.957	59.741	99.433
101	703	-174.969	0.623	1.260	-29.957	223.875	-244.618
102	705	372.129	2.961	-0.696	25.633	93.321	461.140
102	706	-372.129	-2.961	0.696	-25.633	63.294	205.125
103	705	377.912	-4.444	-0.705	-19.638	-30.072	-303.881
103	706	-377.912	4.444	0.705	19.638	188.753	-696.616
104	701	334.072	-4.146	-0.036	42.325	-16.279	-584.653
104	704	-334.072	4.146	0.036	-42.325	24.836	-344.508
105	704	332.069	3.685	0.086	49.501	-13.580	254.434
105	706	-332.069	-3.685	-0.086	-49.501	49.501	-155.270
106	702	6.665	-1.039	-0.019	29.688	41.864	-94.534
106	704	-6.665	1.039	0.019	-29.688	53.762	71.188
107	702	9.820	0.193	0.112	14.424	28.511	-27.627
107	705	-9.820	-0.193	-0.112	-14.424	27.432	-4.664
108	704	1.471	-0.354	-0.103	33.924	-4.169	-70.829
108	705	-1.471	0.354	0.103	-33.924	-1.655	28.710
109	701	36.367	0.013	0.141	7308.848	-2.635	-28.311
109	707	-36.367	-0.013	-0.141	-7308.848	0.0	0.0
110	707	36.367	0.0	0.0	7308.902	0.0	0.0
110	710	-36.367	-0.136	1.465	-10765.742	-40.746	-45.654
111	703	378.557	0.0	-1.465	10765.742	-3.881	41.701
111	708	-378.557	0.0	1.465	-10765.820	0.0	0.0
112	708	378.540	0.0	0.0	10765.820	0.0	0.0
112	711	-378.540	-0.071	0.000	-15910.180	61.995	-2.161
113	706	18.241	0.071	-0.000	15910.180	-61.995	-0.000
113	709	-18.241	0.0	0.0	-15910.301	0.0	0.0
114	709	18.241	0.0	0.0	15910.301	0.0	0.0
114	712	-18.241	-0.0	-0.0	-167.659	348.791	-518.098
115	701	238.433	-1.201	-0.807	-167.659	0.0	0.0

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
115	806	236.435	1.201	0.807	167.659	136.824	-204.904
116	703	419.128	3.504	-1.046	-8.658	312.502	1249.264
116	801	-414.128	-3.504	1.046	8.658	317.366	860.043
117	701	-145.839	-2.538	-1.981	19.326	604.161	-796.307
117	803	145.839	2.538	1.981	-19.326	588.112	-731.369
118	601	56.488	-0.646	-0.758	8.348	205.612	-148.982
118	802	-56.488	0.646	0.758	-8.348	1.759	-27.555
119	802	62.597	-1.093	-1.158	-60.626	17.878	-9.024
119	803	-62.597	1.093	1.158	60.626	298.729	-289.763
120	803	-114.186	-2.194	-2.071	-6.712	481.939	395.293
120	805	114.186	2.194	2.071	6.712	84.374	204.866
121	805	-116.984	-3.697	-1.925	-59.100	-26.542	-268.778
121	806	116.984	3.697	1.925	59.100	555.203	-742.524
122	601	-7.259	-1.571	-0.499	-8.257	86.588	-237.779
122	804	7.259	1.571	0.499	8.257	50.203	-141.786
123	804	-3.464	-3.440	-0.045	-142.000	-11.735	240.934
123	806	3.464	3.440	0.045	142.000	-0.683	700.009
124	802	6.335	-0.053	-0.416	-20.536	29.285	-20.519
124	804	-6.335	0.053	0.416	20.536	84.484	6.114
125	802	-5.788	0.000	-0.016	2.389	-37.127	16.000
125	805	5.788	-0.000	0.016	-2.389	41.632	-15.887
126	804	-0.770	-0.334	-0.129	37.319	36.560	-43.834
126	805	0.770	0.334	0.129	-37.319	-1.281	-48.226
127	801	58.171	0.021	0.225	4531.547	-5.224	18.192
127	807	-58.171	-0.021	-0.225	-4531.547	-1.634	-17.553
128	810	58.171	0.0	0.0	-4531.578	0.0	0.0
128	811	-58.171	0.0	0.0	4531.578	0.0	0.0
129	803	5.540	0.002	-0.021	5211.000	2.532	-20.128
129	808	-5.540	-0.002	0.021	-5211.000	-1.878	20.145
130	808	-5.541	0.0	0.0	-5211.039	0.0	0.0
130	811	5.541	0.0	0.0	5211.039	0.0	0.0
131	806	-112.865	-0.440	-0.000	-1130.906	4.407	15.370
131	809	112.865	0.440	0.000	1130.906	-4.407	-0.000
132	809	-112.866	0.0	0.0	-1130.915	0.0	0.0
132	812	112.866	0.0	0.0	1130.915	0.0	0.0
133	801	-301.836	-0.313	-0.366	-1130.915	0.0	0.0
133	903	301.836	0.313	0.366	14.344	155.020	-111.225
134	803	-226.452	-0.537	-0.417	-14.344	249.690	-112.621
134	906	226.452	0.537	0.417	-92.066	245.100	-166.072
135	806	-124.781	-0.852	-0.867	92.066	52.807	-218.234
135	901	124.781	0.852	0.867	10.166	397.948	-457.635
136	901	-118.927	-0.439	-0.790	-10.166	236.502	-151.755
136	902	118.927	0.439	0.790	-0.957	246.601	-91.929
137	902	-121.183	-0.094	-0.735	0.957	13.094	-52.591
137	903	121.183	0.094	0.735	9.006	10.713	33.953

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
137	903	-121.183	0.094	0.735	-9.006	231.026	-64.857
138	903	-12.469	0.426	-0.351	30.220	96.828	85.491
139	905	12.469	-0.426	0.351	-30.220	18.562	54.501
139	906	-14.112	-1.298	-0.117	-35.064	-9.559	-109.702
139	906	14.112	1.298	0.117	35.064	47.959	-317.502
140	901	-49.613	-0.878	-0.553	32.576	154.226	-146.348
140	904	49.613	0.878	0.553	-32.576	27.673	140.371
141	904	-46.923	1.472	-0.374	-19.163	-17.496	156.529
141	906	46.923	-1.472	0.374	19.163	140.583	327.868
142	902	2.085	-0.063	-0.036	7.547	-13.103	-15.932
143	902	-2.414	0.057	-0.091	-10.478	3.291	-4.829
143	905	2.414	-0.057	0.091	10.478	33.501	2.705
144	904	0.485	-0.167	-0.143	16.842	20.696	-20.988
144	905	-0.485	0.167	0.143	-16.842	26.306	-33.894
145	901	-109.331	-0.039	-0.423	402.412	13.041	0.359
145	907	109.331	0.039	0.423	-402.412	-0.145	-1.559
146	907	109.332	0.0	0.0	402.415	0.0	0.0
146	910	-109.332	0.0	0.0	-402.415	0.0	0.0
147	903	157.091	0.057	-0.608	-1906.550	17.842	9.109
147	908	-157.091	-0.057	0.608	1906.550	0.687	-7.385
148	908	-157.092	0.0	0.0	1906.565	0.0	0.0
148	911	157.092	0.0	0.0	-1906.565	0.0	0.0
149	906	85.056	-0.331	-0.000	623.704	-2.430	-10.076
149	909	-85.056	0.331	0.000	-623.704	2.430	0.000
150	909	85.057	0.0	0.0	623.709	0.0	0.0
150	912	-85.057	0.0	0.0	-623.709	0.0	0.0
151	901	-259.332	-0.133	-0.106	-1.362	65.558	-37.895
151	1002	259.332	0.133	0.106	1.362	-11.920	-29.643
152	903	260.065	0.160	0.196	-10.749	-14.781	51.249
152	1002	-260.065	-0.160	-0.196	10.749	-84.715	29.636
153	903	122.388	-0.003	0.084	0.053	5.771	0.310
153	1005	-122.388	0.003	-0.084	-0.053	-46.301	-1.814
154	906	-123.001	0.305	-0.104	13.732	62.749	95.313
154	1005	123.001	-0.305	0.104	-13.732	-10.206	59.017
155	901	-132.961	-0.051	0.018	10.844	22.559	-10.029
155	1004	132.961	0.051	-0.018	-10.844	-31.563	-15.669
156	906	132.565	0.008	-0.156	15.119	63.068	-1.623
156	1004	-132.565	-0.008	0.156	-15.119	-5.921	5.439
157	1001	124.529	0.065	-0.776	-8.803	211.875	9.836
157	1002	-124.529	-0.065	0.776	8.803	86.668	15.327
158	1002	-211.318	0.040	-0.556	-27.569	11.697	27.590
158	1003	211.318	-0.040	0.556	27.569	202.210	-12.301
159	1003	-227.218	0.741	-0.703	29.861	208.094	162.272

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
159	1005	227.218	-0.741	0.703	-29.861	62.255	122.772	
160	1005	-66.323	-0.750	-0.180	6.354	6.024	-94.201	
160	1006	68.323	0.750	0.180	6.354	61.259	-198.279	
161	1001	118.911	-0.505	0.317	21.139	106.495	-64.627	
161	1004	-118.911	0.505	-0.317	-21.139	15.492	-52.485	
162	1004	-54.489	0.588	-0.259	-16.111	25.748	66.715	
162	1006	54.489	-0.588	0.259	16.111	66.069	159.554	
163	1002	1.559	-0.011	-0.136	-2.010	18.479	3.239	
163	1004	-1.542	-0.030	0.004	5.070	33.797	0.413	
164	1005	1.542	0.030	-0.004	5.070	-8.530	-5.645	
165	1004	-0.564	-0.016	-0.131	7.143	6.967	-5.782	
165	1005	0.564	0.016	0.131	-7.143	21.869	-1.846	
166	1001	207.567	0.075	0.803	441.171	441.171	-24.501	
166	1007	-207.567	-0.075	-0.803	-441.171	0.0	-1.707	
167	1010	207.569	0.0	0.0	441.174	0.0	0.0	
167	1010	-207.569	-0.0	-0.0	-441.174	0.0	0.0	
168	1003	-580.246	-0.137	1.471	-1805.844	45.458	2.818	
168	1008	580.246	0.137	-1.471	1805.844	0.650	-6.988	
169	1011	-380.249	0.0	0.0	1805.858	0.0	0.0	
170	1006	-103.031	0.401	-0.000	-1805.858	0.0	0.0	
170	1009	103.031	-0.401	0.000	1392.422	-5.420	12.193	
171	1009	-103.032	0.0	0.0	-1392.422	5.420	-0.000	
171	1012	103.032	0.0	0.0	1392.433	0.0	0.0	
172	101	3076.043	-43.436	223.170	-199.175	-8409.902	-2363.699	
172	201	-3076.043	43.436	-223.170	199.175	-31760.644	-5454.844	
173	103	2966.955	76.533	145.749	-122.878	-7713.023	2203.586	
173	203	-2966.955	-76.533	-145.749	122.878	-18521.742	11536.297	
174	106	3018.021	-32.896	84.082	-353.899	-2513.604	-737.431	
174	206	-3018.021	32.896	-84.082	353.899	-12620.867	-5183.898	
175	201	10647.941	102.242	-529.119	-176.489	24775.663	4656.160	
175	301	-10647.941	-102.242	529.119	176.489	70465.458	13747.367	
176	203	9049.664	-90.236	-348.804	-431.948	12993.777	-9178.578	
176	303	-9049.664	90.236	348.804	431.948	49790.910	-7063.974	
177	206	9134.616	-13.688	-382.132	-906.908	10679.734	3823.521	
177	306	-9134.616	13.688	382.132	906.908	56104.062	-6287.434	
178	301	11204.598	-113.038	540.682	-193.895	-77439.375	-16605.059	
178	401	-11204.598	113.038	-540.682	193.895	-107473.875	-22053.844	
179	303	8113.363	-54.961	-359.559	-204.264	-57686.769	8409.405	
179	403	-8113.363	54.961	359.559	204.264	-65232.632	3548.623	
180	306	9652.586	-78.077	-406.696	-2214.221	-61006.184	6075.461	
180	406	-9652.586	78.077	406.696	2214.221	-78083.875	18626.852	
181	401	-2640.501	551.416	-622.629	-5994.531	58875.513	12958.078	

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
181	501	2640.501	-551.416	622.629	5994.551	-24785.992	17232.273
182	403	1981.934	511.109	1605.536	-7377.984	14268.840	12911.090
183	503	-1941.934	-511.109	-1605.536	7377.984	-104053.063	15670.957
184	406	-242.537	-1082.469	413.492	10683.477	42954.910	-23621.910
185	506	242.537	1082.469	-413.492	-10683.477	-65595.438	-35637.707
186	501	1463.632	-57.230	74.329	-2052.040	20955.027	-18422.617
187	601	1463.632	57.230	-74.329	2052.040	-35530.262	14245.826
188	503	2022.951	-59.009	-305.969	-6899.855	94028.813	-7111.563
189	603	-2022.951	59.009	305.969	6899.855	-71698.250	4264.504
190	506	354.328	91.155	-295.658	4725.430	69218.063	30563.066
191	606	-354.328	-91.155	295.658	-4725.430	-4475.117	-10602.035
192	601	1450.636	-58.163	-59.598	-2901.179	15363.973	-13545.656
193	603	-1450.636	58.163	59.598	2901.179	-6692.891	5054.797
194	605	2018.030	-38.558	332.594	-5074.785	71375.813	-4513.117
195	605	-2018.030	38.558	-332.594	5074.785	-22852.016	-1115.615
196	701	1509.958	-56.290	37.855	-3764.997	6746.348	-5744.902
197	701	-1509.958	56.290	-37.855	3764.997	-3522.188	994.598
198	653	1942.291	-44.832	-335.964	-4830.992	24898.906	1076.531
199	703	-1942.291	44.832	335.964	4830.992	-3545.450	-4894.941
200	656	443.271	-97.277	294.467	-4861.063	5332.570	11753.133
201	706	-443.271	97.277	-294.467	4861.063	-19745.785	-3468.515
202	701	803.413	-38.369	-29.227	-1305.685	5514.129	-7948.207
203	801	803.413	38.369	29.227	1305.685	-4440.770	-5120.813
204	703	703.725	70.373	5.852	-1804.696	230.901	14425.077
205	803	-703.725	-70.373	-5.852	1804.696	-1762.430	9544.711
206	706	112.012	32.194	15.051	3315.230	-4128.414	5892.926
207	806	-112.012	-32.194	-15.051	-3315.230	-998.211	5073.016
208	801	387.361	3.018	9.162	-156.359	-2816.765	550.161
209	901	-387.361	-3.018	-9.162	156.359	-750.287	644.629
210	803	499.503	-12.826	-0.986	-490.083	-299.487	-3653.868
211	903	-499.503	12.826	0.986	490.083	643.473	-1339.450
212	806	115.110	-12.758	-3.871	1329.909	1504.090	-4200.563
213	906	-115.110	12.758	3.871	-1329.909	-3.006	-746.174
214	901	35.694	-3.968	-0.737	-65.092	326.730	-1076.010
215	1001	-35.694	3.968	0.737	65.092	-39.740	-468.635
216	903	64.129	-4.000	8.567	-170.364	-2163.149	-180.826
217	1003	-64.129	4.000	-8.567	170.364	-1172.042	-1376.507
218	906	17.691	1.948	5.757	-361.450	-823.452	744.401
219	1006	-17.691	-1.948	-5.757	361.450	-1417.882	13.905
220	401	13774.164	263.184	-439.168	-0.038	48471.574	8898.211
221	510	-13774.164	-263.184	439.168	0.038	-24374.781	5542.480
222	403	5719.191	153.068	-844.408	2797.970	50806.090	-16391.012
223	511	-5719.191	-153.068	844.408	-2797.970	-103366.250	24968.602
224	406	9776.777	-423.873	-6.796	-43.049	34426.574	4995.063

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
203	512	-9776.777	423.873		6.796	43.049	-34053.738		-28250.137
204	510	13773.652	27.223		52.902	21.007	22989.563		-5105.036
204	710	-13773.652	-27.223		52.902	-21.007	-6900.020		11384.480
205	511	5779.770	-169.469		-310.012	22.965	98070.438		-29642.160
205	711	-5779.770	169.469		310.012	-22.965	-3784.256		-21899.738
206	512	9776.012	51.353		-6.796	-16.971	25937.273		28250.129
206	712	-9776.012	-51.353		6.796	16.971	-23870.395		-12631.461
207	810	13773.620	9.526		-14.937	15.777	3289.451		-5029.633
207	810	-13773.620	-9.526		14.937	-15.777	1798.167		8274.457
208	711	5780.164	17.553		16.272	17.750	-1533.825		12559.461
208	811	-5780.164	-17.553		-16.272	-17.750	4008.714		-6560.656
209	712	9775.965	73.116		-6.796	-1.362	7860.105		12631.461
209	812	-9775.965	-73.116		6.796	1.362	-5645.540		12273.418
210	810	13773.766	-16.311		25.425	7.003	-4037.274		-4354.520
210	910	-13773.766	16.311		-25.425	-7.003	-5861.047		-2015.715
211	611	5780.141	16.032		15.743	6.571	1434.057		2030.115
211	911	-5780.141	-16.032		-15.743	-6.571	-7563.121		4211.559
212	612	9776.117	43.988		-6.796	2.316	4514.426		-12273.414
212	912	-9776.117	-43.988		6.796	-2.316	-1868.790		-4851.469
213	910	13773.659	37.752		-65.430	5.992	5662.184		2365.740
213	1010	-13773.659	-37.752		65.430	-5.992	19409.770		12331.268
214	911	5780.000	-61.552		-122.606	9.030	8504.683		-2554.082
214	1011	-5780.000	61.552		122.606	-9.030	39225.730		-21408.587
215	912	9776.023	41.056		-6.796	1.641	2492.498		4851.461
215	1012	-9776.023	-41.056		6.796	-1.641	153.156		11132.090
216	1010	13773.703	-65.509		109.819	0.000	-20028.094		-11947.063
216	1110	-13773.703	65.509		-109.819	0.000	0.000		0.000
217	1011	5780.285	125.991		210.197	-0.000	-38330.313		22977.285
217	1111	-5780.285	-125.991		-210.197	0.000	0.000		0.000
218	1012	9776.145	-61.043		-6.796	0.000	1239.296		-11132.090
218	1112	-9776.145	61.043		6.796	-0.000	0.000		-0.000

RESULTANT JOINT LOADS - SUPPORTS

JOINT	X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1110	-2074.587	1198.141	13564.355	0.000	0.000	0.000
1111	616.791	349.859	5741.641	0.000	0.000	-0.000
1112	6.796	-1348.020	9652.996	-0.000	0.000	0.000
	-1,449.000	0.000	28,958.992			

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110	0.0	0.0	0.0	0.000	0.000	0.000
1111	0.0	0.0	0.0	-0.000	0.000	0.000
1112	0.0	0.0	0.0	0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010	0.001	-0.000	-0.000	0.000	0.000	0.000
1007	0.002	0.000	-0.004	0.000	0.000	0.000
910	0.003	-0.001	-0.001	-0.000	0.000	0.000
1001	0.002	0.000	-0.004	0.000	0.000	0.000
907	0.004	0.000	-0.003	-0.000	0.000	0.000
810	0.004	-0.001	-0.002	-0.000	0.000	0.000
1002	0.002	0.000	-0.003	0.000	0.000	0.000
1004	0.002	0.000	-0.003	-0.000	0.000	0.000
901	0.004	0.000	-0.003	-0.000	0.000	0.000
907	0.005	0.000	-0.003	-0.000	0.000	0.000
710	0.005	0.000	-0.002	-0.000	0.000	0.000
1003	0.002	-0.000	-0.001	-0.000	0.000	0.000
1005	0.002	-0.000	-0.002	0.000	0.000	0.000
903	0.004	-0.000	-0.003	0.000	0.000	0.000
1006	0.002	0.000	-0.003	-0.000	0.000	0.000
906	0.003	0.000	-0.003	0.000	0.000	0.000
904	0.004	0.000	-0.003	-0.000	0.000	0.000
806	0.005	0.000	-0.003	-0.000	0.000	0.000
901	0.005	0.000	-0.003	-0.000	0.000	0.000
707	0.006	0.000	-0.003	-0.000	0.000	0.000
510	0.007	0.001	-0.002	-0.000	0.000	0.000
1006	0.002	-0.000	-0.001	-0.000	0.000	0.000
904	0.004	-0.000	-0.002	-0.000	0.000	0.000
905	0.004	-0.000	-0.002	0.000	0.000	0.000
803	0.003	-0.000	-0.002	-0.000	0.000	0.000
1009	0.002	0.000	-0.003	-0.000	0.000	0.000
909	0.003	0.000	-0.003	0.000	0.000	-0.000
809	0.005	0.000	-0.003	-0.000	0.000	-0.000
805	0.005	0.000	-0.002	0.000	0.000	0.000
804	0.005	0.000	-0.003	-0.000	0.000	0.000
706	0.006	0.001	-0.002	-0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
701	0.006	0.000	-0.003	-0.000	0.000	0.000
802	0.005	0.000	-0.003	-0.000	0.000	0.000
703	0.006	0.000	-0.002	0.000	0.000	0.000
507	0.007	0.001	-0.003	-0.000	0.000	0.000
401	0.007	0.001	-0.003	-0.000	0.000	0.000
1011	0.002	0.001	-0.001	-0.000	0.000	0.000
911	0.003	-0.001	-0.001	0.000	0.000	0.000
808	0.005	-0.000	-0.002	-0.000	0.000	0.000
1012	0.001	-0.000	-0.000	0.000	0.000	-0.000
912	0.002	-0.000	-0.001	-0.000	0.000	-0.000
812	0.003	-0.000	-0.002	-0.000	0.000	-0.000
709	0.006	-0.001	-0.002	-0.000	0.000	-0.000
656	0.006	0.001	-0.002	-0.000	0.000	-0.000
705	0.006	0.001	-0.002	0.000	0.000	0.000
704	0.006	0.000	-0.003	-0.000	0.000	0.000
503	0.008	0.000	-0.003	0.000	0.000	0.000
702	0.006	0.000	-0.003	0.000	0.000	0.000
651	0.006	0.000	-0.003	-0.000	0.000	-0.000
506	0.007	0.000	-0.002	-0.000	0.000	-0.000
708	0.006	0.000	-0.002	0.000	0.000	0.000
653	0.006	0.000	-0.002	0.000	0.000	0.000
501	0.007	0.001	-0.003	-0.000	0.000	0.000
301	0.020	0.000	-0.004	-0.000	0.000	0.000
811	0.004	0.001	-0.002	0.000	0.000	0.000
712	0.005	0.001	-0.002	-0.000	0.000	0.000
515	0.007	0.000	-0.002	0.000	0.000	-0.000
508	0.008	0.000	-0.002	0.000	0.000	-0.000
514	0.008	0.000	-0.002	0.000	0.000	0.000
403	0.009	0.000	-0.003	0.000	0.000	0.000
603	0.007	0.000	-0.002	0.000	0.000	0.000
502	0.007	0.000	-0.003	-0.000	0.000	0.000
505	0.007	0.000	-0.003	-0.000	0.000	0.000
513	0.007	0.001	-0.003	-0.000	0.000	0.000
601	0.006	0.000	-0.003	-0.000	0.000	0.000
601	0.007	0.000	-0.003	-0.000	0.000	0.000
509	0.007	0.000	-0.002	-0.000	0.000	0.000
406	0.008	0.000	-0.003	0.000	0.000	-0.000
504	0.007	0.001	-0.003	-0.000	0.000	-0.000
711	0.006	0.001	-0.002	-0.000	0.000	0.000
603	0.006	0.001	-0.002	0.000	0.000	0.000
206	0.021	0.001	-0.004	0.000	0.000	0.000
503	0.020	-0.000	-0.004	0.000	0.000	-0.000
506	0.019	0.001	-0.004	-0.000	0.000	-0.000
201	0.022	0.001	-0.005	-0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
512	0.007	0.000	-0.002	0.000	0.000	-0.000
511	0.008	0.000	-0.003	0.000	0.000	0.000
613	0.007	0.000	-0.002	-0.000	0.000	-0.000
602	0.006	0.000	-0.003	0.000	0.000	-0.000
611	0.007	0.000	-0.003	-0.000	0.000	0.000
106	0.023	0.000	-0.005	0.000	0.000	-0.000
205	0.022	-0.000	-0.004	0.000	0.000	0.000
204	0.022	0.001	-0.005	-0.000	0.000	0.000
203	0.023	-0.001	-0.004	0.000	0.000	0.000
101	0.025	0.001	-0.005	-0.000	0.000	0.000
202	0.022	0.000	-0.004	0.000	-0.000	0.000
612	0.017	0.000	-0.003	0.000	0.000	0.000
105	0.024	-0.000	-0.005	0.000	-0.000	0.000
104	0.024	0.001	-0.005	-0.000	0.000	0.000
103	0.025	-0.001	-0.004	0.000	0.000	0.000
102	0.025	0.000	-0.004	-0.000	-0.000	0.000

LOADING - 6 VIBRATION IN Y-DIRECTION (COMBINED LOADS)

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
41	101	130.633	-5.253	-553.559	4.679	47157.496	-663.271
41	102	-130.633	5.253	553.559	-4.679	49161.644	-250.737
42	102	134.774	1.896	525.857	-5.794	-49236.637	156.161
42	103	-134.774	-1.896	-525.857	5.794	-42262.539	173.657
43	103	277.626	-0.975	411.508	-0.486	-22607.660	-122.498
43	105	-277.626	0.975	-411.508	0.486	-48963.289	-47.055
44	105	496.762	0.511	-660.376	2.911	49220.441	73.487
44	106	-496.762	-0.511	660.376	-2.911	65703.000	15.466
45	101	667.655	-5.417	-408.170	2.405	24617.492	-681.556
45	104	-667.655	5.417	408.170	-2.405	-46372.655	-260.625
46	104	886.986	1.867	665.892	-1.506	-46856.926	166.483
46	106	-886.986	-1.867	-665.892	1.506	-69026.434	158.349
47	102	76.056	-0.610	2.558	-0.491	80.429	-51.199
47	104	-76.056	0.610	-2.558	0.491	-490.599	-54.918
48	102	69.438	0.548	-1.420	0.574	68.950	43.377
48	105	-69.438	-0.548	1.420	-0.574	264.923	17.145
49	104	-142.614	0.279	-1.308	-0.229	476.527	39.224

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
49	105	142.614	-0.279	1.308	0.229	-248.906	9.287		
50	201	-2390.320	-3.052	-544.853	-3.210	47627.852	-456.832		
50	202	2390.320	3.052	544.853	3.210	47158.293	-74.297		
51	202	-2393.463	1.543	533.686	-2.806	-45703.023	101.602		
51	203	2393.463	-1.543	-533.686	2.806	-47151.609	166.886		
52	203	-3085.592	-1.096	471.273	-0.944	-47813.934	-36.289		
52	205	3085.592	1.096	-471.273	0.944	48029.262	-154.485		
53	205	-2677.788	5.238	-601.809	-1.462	56701.980	387.176		
53	206	2677.788	-5.238	601.809	1.462	52261.744	524.339		
54	201	3745.712	-1.044	-456.819	-1.865	47189.848	-360.205		
54	204	-3745.712	1.044	456.819	1.865	-47556.391	178.580		
55	204	3946.590	-4.693	616.923	-0.326	-59805.000	-353.467		
55	206	-3946.590	4.693	-616.923	0.326	-14.971	-463.219		
56	202	62.873	-0.059	-2.239	-0.443	-374.366	30.160		
56	204	-62.873	0.059	2.239	0.443	-21.438	-40.503		
57	202	70.144	0.511	-1.161	0.390	223.404	2.856		
57	205	-70.144	-0.511	1.161	-0.390	357.939	85.936		
58	204	-133.467	1.616	-0.868	-0.109	-206.875	154.344		
58	205	133.467	-1.616	0.868	0.109	-1287.728	146.795		
59	201	336.304	-16.899	8.840	-2282.343	-2175.884	-2844.700		
59	303	-336.304	16.899	-8.840	2282.343	8772.594	-3776.369		
60	303	9001.617	38.857	-51.825	1417.495	11529.422	-5482.512		
60	306	-9001.617	-38.857	51.825	-1417.495	-7912.402	-9739.781		
61	208	-8957.934	-20.359	50.074	1837.857	-11704.348	-2371.782		
61	301	8957.934	20.359	-50.074	-1837.857	414.887	-5603.910		
62	301	1725.250	-14.700	2.183	-27.915	-1174.537	-3707.412		
62	303	-1725.250	14.700	-2.183	27.915	22480.789	-1408.056		
63	303	5566.742	9.012	-130.410	50.392	22895.418	1455.936		
63	306	-5566.742	-9.012	130.410	-50.392	-23393.203	1679.937		
64	301	3654.275	-34.179	137.706	408.228	-23521.648	-6984.215		
64	306	-3654.275	34.179	-137.706	-408.228	2267.020	-4908.523		
65	301	78.112	-66.252	14.277	6536.531	-326.483	-15063.105		
65	302	-78.112	66.252	-14.277	-6536.531	848.294	1018.495		
66	302	-25.237	54.035	-25.309	-5700.176	3752.678	-2690.216		
66	303	25.237	-54.035	25.309	5700.176	50560.355	-7133.434		
67	303	-4277.609	7.999	-160.896	3035.076	-1309.951	4334.219		
67	305	4277.609	-7.999	160.896	-3035.076	1309.951	-5788.340		
68	305	-3756.023	224.075	-216.272	1539.314	6037.320	16145.465		
68	306	3756.023	-224.075	216.272	-1539.314	-33280.328	24590.730		
69	301	16537.570	-90.954	148.260	2539.973	-29933.500	-17733.941		
69	304	-16537.570	90.954	-148.260	-2539.973	2976.636	1198.709		
70	304	16754.422	-153.001	202.017	-2964.409	-6800.215	-10099.176		
70	306	-16754.422	153.001	-202.017	2964.409	-29925.902	-17716.000		
71	302	-1.937	-18.866	-31.889	-3033.105	5075.656	-516.756		

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
71	504	1.937	18.866	31.889	3053.105	721.642	-2912.950
72	502	286.164	28.138	30.871	2799.094	-5675.313	1158.964
72	505	-286.164	-28.138	-30.871	-2799.094	63.100	3940.387
73	501	3624.932	3.534	37.971	-88189.625	-1188.069	-233.997
73	507	-3624.932	-3.534	-37.971	88189.625	51.791	341.605
74	507	3621.022	0.0	0.0	88190.375	0.0	0.0
74	510	-3621.022	0.0	0.0	-88190.375	0.0	0.0
75	503	6290.016	4.495	-48.295	28428.371	1480.884	26.745
75	506	-6290.016	-4.495	48.295	-28428.371	-10.248	110.118
76	504	6246.129	0.0	0.0	-28428.540	0.0	0.0
76	511	-6246.129	0.0	0.0	28428.540	0.0	0.0
77	506	3448.190	-10.400	0.000	45347.348	176.699	-316.168
77	509	-3448.190	10.400	-0.000	-45347.348	-176.699	-0.000
78	509	3492.152	0.0	0.0	45347.691	0.0	0.0
78	512	-3492.152	0.0	0.0	-45347.691	0.0	0.0
79	501	108.169	-76.619	-629.370	-829.705	12054.539	-3085.812
79	513	-108.169	76.619	629.370	829.705	10549.906	333.940
80	503	94.471	-125.613	-21.538	1785.816	2813.558	-2137.049
80	514	-94.471	125.613	21.538	-1785.816	-3587.114	-2374.465
81	506	656.047	45.867	6190.715	609.675	-146164.438	-82.319
81	515	-656.047	-45.867	-6190.715	-609.675	176701.313	1733.538
82	513	1570.688	-38.513	55.205	333.980	-8713.535	-6015.273
82	511	-1570.688	38.513	-55.205	-333.980	5210.761	2313.477
83	514	962.637	-74.045	-18.797	2374.465	2209.209	-3342.933
83	513	-962.637	74.045	18.797	-2374.465	-1850.987	12650.813
84	515	5249.188	576.047	45.867	1733.538	609.675	-76701.313
84	514	-5249.188	-576.047	-45.867	-1733.538	-609.675	76701.313
85	601	420.430	-7.463	1380.720	-16234.504	9297.641	-47724.875
85	611	-420.430	7.463	-1380.720	16234.504	-61894.234	8467.492
86	603	424.635	-11.690	1268.833	15774.293	-55022.195	-9004.832
86	613	-424.635	11.690	-1268.833	-15774.293	55022.195	7703.148
87	601	701.182	-181.853	2204.144	-13217.516	-36333.828	6861.492
87	601	-701.182	181.853	-2204.144	13217.516	36333.828	-6861.492
88	603	680.883	-201.006	2311.648	12309.629	-44206.648	2801.588
88	611	-680.883	201.006	-2311.648	-12309.629	44206.648	-2801.588
89	611	737.367	-48.088	724.038	-584.438	-43807.332	13712.758
89	612	-737.367	48.088	-724.038	584.438	43807.332	-13712.758
90	612	740.028	32.006	722.016	464.856	67097.250	10726.750
90	613	-740.028	-32.006	-722.016	-464.856	-67097.250	-10726.750
91	601	546.051	-61.665	549.149	-1001.229	72004.688	-4474.938
91	602	-546.051	61.665	-549.149	1001.229	-72004.688	4474.938
92	602	550.712	51.242	546.789	960.001	4365.629	-1783.263
92	603	-550.712	-51.242	-546.789	-960.001	-4365.629	1783.263
93	611	601.737	536.517	650.699	692.013	56721.254	-4456.746
93	611	-601.737	-536.517	-650.699	-692.013	-56721.254	4456.746

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
93	661	-601.737	-558.517	-650.699	-692.013	-43806.685	43751.867
94	612	-212.673	20.906	2.662	109.304	-183.818	1049.294
94	662	212.673	-20.906	-2.662	-109.304	-199.447	1961.231
95	613	713.590	546.641	-656.614	-91.916	51118.379	30226.547
95	663	-713.590	-546.641	656.614	91.916	44411.617	45303.559
96	501	-486.699	-134.516	4.265	-4938.484	-3344.423	-30271.426
96	703	486.699	134.516	-4.265	4938.484	1185.781	-37816.285
97	503	29649.746	-93.511	-186.376	-2146.713	39512.273	-22132.832
97	706	-29649.746	93.511	186.376	2146.713	54827.301	-25099.262
98	506	-19674.684	-16.803	141.587	3307.500	-30464.137	-6003.758
98	701	19674.684	16.803	-141.587	-3307.500	-41096.457	-2500.972
99	701	-1057.537	-57.255	6.190	1164.483	1236.609	-9121.355
99	702	1057.537	57.255	-6.190	-1164.483	156.669	-3767.930
100	504	-177.534	68.120	1.329	352.553	3691.176	5987.516
100	505	177.534	-68.120	-1.329	-352.553	-3932.719	6396.730
101	702	-1046.371	-3.442	-1.283	-4150.328	-664.491	1341.423
101	703	1046.371	3.442	1.283	4150.328	953.785	-2116.371
102	703	-7318.789	16.831	-80.481	-2119.214	17454.828	4101.771
102	705	7318.789	-16.831	80.481	2119.214	657.540	136.079
103	705	-6979.504	44.439	-106.864	-1134.986	3936.936	3555.437
103	706	6979.504	-44.439	106.864	1134.986	20123.949	6450.238
104	701	-1176.354	-41.456	11.667	461.656	-4696.586	-7929.699
104	704	1176.354	41.456	-11.667	-461.656	2071.031	-1400.116
105	704	-1440.625	-48.502	47.649	-3556.935	-2554.992	-3679.119
105	706	1440.625	48.502	-47.649	3556.935	-8173.332	-7241.285
106	702	-70.597	-16.397	-17.968	-1472.330	2531.683	-1591.339
106	704	70.597	16.397	17.968	1472.330	1512.098	-2298.791
107	702	-95.600	10.939	-0.429	1640.814	-1807.675	1035.169
107	705	95.600	-10.939	0.429	-1640.814	1904.504	1426.767
108	704	-187.460	22.411	4.399	-1016.682	1690.359	2780.444
108	705	187.460	-22.411	-4.399	1016.682	-2680.667	2264.748
109	701	-3245.672	3.397	36.503	-66515.936	-1135.546	-154.205
109	707	3245.672	-3.397	-36.503	66515.936	23.978	257.651
110	707	-3241.960	0.0	0.0	66516.438	0.0	0.0
110	710	3241.960	0.0	0.0	-66516.438	0.0	0.0
111	703	-3520.471	0.958	-10.293	190558.875	382.144	-708.764
111	708	3520.471	-0.958	10.293	-190558.875	-68.694	738.135
112	708	-3524.436	0.0	0.0	-190560.313	0.0	0.0
112	711	3524.436	0.0	0.0	190560.313	0.0	0.0
113	706	-956.836	-60.459	0.000	109796.875	-427.830	-1838.004
113	709	956.836	60.459	-0.000	-109796.875	427.830	-0.000
114	709	-9554.973	0.0	0.0	-109797.688	0.0	0.0
114	712	9554.973	0.0	0.0	109797.688	0.0	0.0
115	701	-21452.207	-28.381	48.671	-7985.930	-17549.262	3664.546

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
115	806	-21452.207	28.381	-48.671	7985.930	-11746.809	-20747.547
116	703	2945.259	31.658	-30.868	1608.093	8179.496	4156.246
116	801	-2945.259	-31.658	30.868	-1608.093	10400.016	14918.430
117	701	747.165	23.994	7.551	-8598.520	-3320.773	20726.055
117	803	-747.165	-23.994	-7.551	8598.520	-1224.324	-6284.141
118	801	725.199	63.447	414.767	441.827	-54682.887	14352.691
118	802	-725.199	-63.447	-414.767	-441.827	-54747.520	2994.912
119	802	-422.633	57.141	419.500	11837.637	56425.531	3906.620
119	803	422.633	-57.141	-419.500	-11837.637	57849.328	11731.211
120	803	-9284.086	-58.320	605.455	6599.289	104073.500	-9699.046
120	805	9284.086	58.320	-605.455	-6599.289	56808.719	-5503.609
121	805	-8448.516	-18.449	161.866	-3273.890	-49734.590	2427.127
121	806	8448.516	18.449	-161.866	3273.890	5457.051	-7583.109
122	801	4941.301	84.465	436.926	-251.961	-67883.688	15666.035
122	804	-4941.301	-84.465	-436.926	251.961	-51828.547	7543.090
123	804	5404.941	8.167	-238.942	-10335.926	51897.602	-3947.210
123	805	-5404.941	-8.167	238.942	10335.926	29476.418	6221.332
124	802	49.858	22.305	-44.837	-2405.583	6908.352	3622.278
124	804	-49.858	-22.305	44.837	2405.583	5356.672	2479.042
125	804	212.577	19.569	10.337	3024.052	-4136.074	-3243.249
125	805	-212.577	-19.569	-10.337	-3024.052	1308.347	-2049.624
126	804	305.565	7.615	1.524	1657.364	3918.656	-1076.838
126	805	-305.565	-7.615	-1.524	-1657.364	-4335.609	-1006.663
127	801	3432.601	3.464	37.226	171296.125	-1071.845	769.015
127	807	-3432.601	-3.464	-37.226	-171296.125	-61.744	-663.519
128	807	3426.690	0.0	0.0	-171297.438	0.0	0.0
128	810	-3426.690	0.0	0.0	171297.438	0.0	0.0
129	803	8434.500	5.268	-56.601	111432.875	1763.766	-271.312
129	804	-8434.500	-5.268	56.601	-111432.875	-40.177	431.715
130	808	8430.629	0.0	0.0	-111433.750	0.0	0.0
130	811	-8430.629	0.0	0.0	111433.750	0.0	0.0
131	806	1084.899	-19.765	0.000	223093.188	-869.246	-600.857
131	809	-1084.899	19.765	-0.000	-223093.188	869.296	-0.000
132	809	1084.844	0.0	0.0	-223094.938	0.0	0.0
132	812	-1084.844	0.0	0.0	223094.938	0.0	0.0
133	801	-181.653	39.299	10.364	-1617.575	-1307.994	18630.137
133	903	181.653	-39.299	-10.364	1617.575	-6104.527	9476.766
134	803	26658.660	-107.475	-49.220	-2201.158	19477.051	-42246.906
134	906	-26658.660	107.475	49.220	2201.158	15725.004	-34927.047
135	806	-21212.008	-90.746	8.444	-2723.675	1675.404	-35039.793
135	901	21212.008	90.746	-8.444	2723.675	-7714.996	-29864.613
136	809	3446.849	38.335	476.463	3098.449	-76197.563	10011.105
136	902	-3446.849	-38.335	-476.463	-3098.449	-80577.625	2602.769
137	902	3742.104	28.649	-479.761	-2493.659	80827.313	2458.885

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
137	903	-3782.104	-28.649	479.761	2493.659	77033.125	6967.707
138	903	-8205.801	-45.137	-521.120	-2528.636	93104.438	-8110.309
138	905	8205.801	45.137	521.120	2528.636	78329.875	-6738.680
139	906	-7902.578	9.997	406.477	594.788	-76100.563	5117.082
139	906	7902.578	-9.997	-406.477	-594.788	57661.480	-1827.284
140	901	9304.766	59.332	517.893	2240.853	-93019.188	8379.949
140	904	-9304.766	-59.332	-517.893	-2240.853	-77353.625	4559.203
141	904	9588.207	0.134	409.927	1342.070	75493.875	-3268.845
141	906	-9588.207	-0.134	-409.927	-1342.070	59403.359	3224.697
142	902	62.150	11.488	-9.808	-1513.157	2249.562	2524.810
142	904	-62.134	-11.488	9.808	1513.157	911.077	-1754.466
143	902	154.925	-12.046	9.412	1348.188	-2532.538	-2536.842
143	905	-154.925	12.046	-9.412	-1348.188	-563.866	-1426.116
144	904	-193.045	0.703	0.209	155.760	2278.749	-35.896
144	905	193.045	-0.703	-0.209	-155.760	-2347.569	-195.481
145	901	11351.906	6.319	67.902	541456.250	-1872.523	2289.773
145	907	-11351.906	-6.319	-67.902	-541456.250	-195.185	-2097.346
146	907	-11348.055	0.0	0.0	541460.313	0.0	0.0
146	910	11348.055	0.0	0.0	-541460.313	0.0	0.0
147	903	10405.594	5.978	-64.237	-613585.625	1734.972	2558.006
147	908	-10405.594	-5.978	64.237	613585.625	221.114	-2375.967
148	908	10401.738	0.0	0.0	613390.250	0.0	0.0
148	911	-10401.738	0.0	0.0	-613390.250	0.0	0.0
149	906	-8770.441	10.183	0.000	-93075.250	362.673	309.558
149	909	8770.441	-10.183	-0.000	93075.250	-362.673	-0.000
150	904	8774.449	0.0	0.0	93075.938	0.0	0.0
150	912	-8774.449	0.0	0.0	-93075.938	0.0	0.0
151	901	926.551	10.001	-15.766	861.331	5007.520	2884.243
151	1002	-926.551	-10.001	15.766	-861.331	2981.434	-2183.189
152	903	1115.624	-8.609	12.269	242.050	-3982.736	-2567.855
152	1002	-1115.624	8.609	-12.269	-242.050	2224.186	1794.618
153	903	22184.675	-1.618	13.988	-578.530	-2858.880	-3397.760
153	1005	-22184.675	1.618	-13.988	578.530	4228.695	2577.817
154	906	20536.797	20.793	1.958	1184.948	2177.061	2895.461
154	1005	-20536.797	-20.793	-1.958	-1184.948	-3169.043	-7640.074
155	901	22261.051	12.490	-21.429	1060.154	3394.722	116.060
155	1004	-22261.051	-12.490	21.429	-1060.154	-7463.613	-5512.434
156	906	-20512.586	1.521	-3.615	902.778	45.793	-3000.614
156	1004	20512.586	-1.521	3.615	-902.778	1785.792	3771.178
157	1001	-5581.785	4.539	-38.701	6945.301	9119.355	3637.318
157	1002	5581.785	-4.539	38.701	-6945.301	5760.398	-1892.348
158	1002	-5688.285	6.507	41.278	5601.773	-5526.520	1711.569
158	1003	5688.285	-6.507	-41.278	-5601.773	-10384.148	790.259
159	1003	-10132.266	10.872	-132.669	-5410.160	36283.324	3246.648

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
159	1005	10132.266	-10.872	132.669	5410.160	14728.918	933.631
160	1005	17780.445	2.594	-39.396	688.393	-1685.197	1912.405
160	1006	-17780.445	-2.594	39.396	-688.393	16853.227	-991.710
161	1001	-9625.305	24.526	112.125	4177.414	-34040.809	7976.469
161	1004	9625.305	-24.526	-112.125	-4177.414	9071.875	1453.905
162	1004	18151.516	44.476	52.675	-1983.011	-2923.286	5906.047
162	1006	-18151.516	-44.476	-52.675	1983.011	2923.286	-5906.047
163	1002	11.028	7.451	-25.991	-1504.774	5848.938	1256.720
163	1004	-11.028	-7.451	25.991	1504.774	-5848.938	-1256.720
164	1002	-28.538	0.544	32.137	1284.520	-7586.332	1608.277
164	1005	28.538	-0.544	-32.137	-1284.520	7586.332	-1608.277
165	1004	-155.942	-5.512	6.764	275.001	-4770.574	141.680
165	1005	155.942	5.512	-6.764	-275.001	4770.574	-141.680
166	1001	-14176.324	2.878	-30.928	591065.563	1154.688	2199.606
166	1007	14176.324	-2.878	30.928	-591065.563	-1154.688	-2199.606
167	1007	14180.371	0.0	0.0	-591070.063	0.0	0.0
167	1010	-14180.371	0.0	0.0	591070.063	0.0	0.0
168	1003	-14414.660	-2.964	31.851	-608216.000	-1188.949	2263.360
168	1004	14414.660	2.964	-31.851	608216.000	1188.949	-2263.360
169	1008	14418.703	0.0	0.0	608220.500	0.0	0.0
169	1011	-14418.703	0.0	0.0	-608220.500	0.0	0.0
170	1006	30746.605	-145.681	-0.000	8657.730	-33.702	-4367.996
170	1009	-30746.605	145.681	0.000	-8657.730	33.702	4367.996
171	1009	30742.895	0.0	0.0	-8657.793	0.0	0.0
171	1012	-30742.895	0.0	0.0	8657.793	0.0	0.0
172	101	7037.754	-45.332	469.599	1344.829	-59473.707	-21310.367
172	201	-7037.754	45.332	-469.599	-1344.829	59473.707	21310.367
173	103	7013.387	286.987	-274.492	296.155	-53571.727	-19569.898
173	203	-7013.387	-286.987	274.492	-296.155	53571.727	19569.898
176	106	7402.563	1726.345	-194.907	142.924	-4163.219	71227.500
174	206	-7402.563	-1726.345	194.907	-142.924	4163.219	-71227.500
175	201	20963.277	-2207.263	248.314	5737.141	-37461.656	-41802.074
175	301	-20963.277	2207.263	-248.314	-5737.141	37461.656	41802.074
176	203	16910.918	-2876.947	320.161	-109.687	60253.918	-92794.125
176	303	-16910.918	2876.947	-320.161	109.687	-60253.918	92794.125
177	206	25469.688	-3160.802	336.465	2727.442	-25398.246	-88031.563
177	306	-25469.688	3160.802	-336.465	-2727.442	25398.246	88031.563
178	301	26386.504	2368.863	-23.054	19851.086	-24230.809	587042.125
178	401	-26386.504	-2368.863	23.054	-19851.086	24230.809	-587042.125
179	303	26673.031	2743.448	-116.395	12922.973	-16346.473	423108.975
179	403	-26673.031	-2743.448	116.395	-12922.973	16346.473	-423108.975
180	306	40056.293	3420.688	-328.445	9574.082	-45106.504	490258.688
180	406	-40056.293	-3420.688	328.445	-9574.082	45106.504	-490258.688
181	401	17432.227	9323.895	-2755.295	-42207.254	81867.438	634242.813
181	501	-17432.227	-9323.895	2755.295	42207.254	-81867.438	-634242.813

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	ROTATIONAL	MOMENT BENDING Y	MOMENT BENDING Z
181	501	-17432.227	-9325.895	2755.295	42207.254	187691.563	361523.813
182	403	17183.859	9870.234	5265.277	109546.875	-77126.500	67905.875
182	503	-17183.859	-9870.234	-5265.277	-109546.875	-217314.375	484054.250
183	406	-134602.188	-2376.988	-286.317	4275.566	50822.383	-242597.063
183	506	134602.188	2376.988	286.317	-4275.566	-35187.969	112469.125
184	501	21150.516	-1615.892	1789.089	17557.980	-217959.250	-250308.500
184	601	-21150.516	1615.892	-1789.089	-17557.980	183866.438	132376.063
185	503	4520.254	4686.805	-1748.191	77737.750	183605.750	-395133.188
185	603	-4520.254	-4686.805	1748.191	-77737.750	-56017.781	53076.250
186	506	-111939.688	-2428.767	-2178.718	51463.480	92764.750	-186351.813
186	606	111939.688	2428.767	2178.718	-51463.480	-84329.500	345494.188
187	601	26516.141	748.526	984.521	35938.223	-102160.125	-72351.875
187	651	-26516.141	-748.526	-984.521	-35938.223	-43806.688	36940.051
188	603	9773.078	-3832.807	-984.376	61061.676	70469.375	350.840
188	653	-9773.078	3832.807	984.376	-61061.676	-70846.813	-559874.688
189	651	55182.238	1477.939	84.965	52910.336	34938.695	125839.188
189	701	-55182.238	-1477.939	-84.965	-52910.336	-27531.723	39.598
190	653	17946.293	-1694.510	36.348	47528.328	-61539.512	660910.688
190	703	-17946.293	1694.510	-36.348	-47528.328	58443.750	-811233.438
191	656	-110963.688	-2015.351	-2224.585	51463.406	-393809.438	593223.063
191	706	110963.688	2015.351	2224.585	-51463.406	383266.750	-564860.938
192	701	15231.059	-154.179	-415.981	68497.363	46690.113	6552.758
192	801	-15231.059	154.179	415.981	-68497.363	-94998.188	-11608.063
193	703	18996.047	4890.352	-81.188	80067.813	21161.008	1024511.813
193	803	-18996.047	-4890.352	81.188	-80067.813	6492.460	641282.188
194	706	-85958.688	2622.877	4010.012	76658.750	-747390.250	629920.688
194	806	85958.688	-2622.877	-4010.012	-76658.750	814506.438	263487.750
195	801	22241.617	-365.948	-397.594	36502.254	67732.938	11866.832
195	901	-22241.617	365.948	397.594	-36502.254	-87058.125	-154337.438
196	803	11126.426	1506.033	543.408	34625.879	-73282.375	-385833.438
196	903	-11126.426	-1506.033	-543.408	-34625.879	138276.750	-200444.063
197	806	-57940.473	-1016.794	-1295.337	36449.895	371161.875	-229547.563
197	906	57940.473	1016.794	1295.337	-36449.895	-133125.313	166300.313
198	901	-92.146	-1743.200	-1528.057	5769.836	299921.375	-204038.188
198	1001	92.146	1743.200	1528.057	-5769.836	-294954.438	474592.938
199	903	-415.512	-1903.831	1492.243	3548.305	-277937.438	-251540.875
199	1003	415.512	1903.831	-1492.243	-3548.305	302995.625	489624.375
200	906	-8069.445	328.590	149.077	12154.813	-50524.516	101568.438
200	1006	8069.445	-328.590	-149.077	-12154.813	7512.465	-26555.020
201	401	15107.188	3379.943	-2018.694	334.550	49740.345	-570565.063
201	501	-15107.188	-3379.943	2018.694	-334.550	61023.504	385110.563
202	403	14880.277	-3635.403	3387.851	35542.926	43735.434	-537299.125
202	503	-14880.277	3635.403	-3387.851	-35542.926	-233582.563	333579.625
203	406	181601.750	-1064.276	-42.127	305.105	-133169.500	-391695.625

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
203	512	-181601.750	1064.276	42.127	-305.105	135480.750	333305.813
204	510	24661.035	-2428.949	278.364	257.404	-17464.324	-461786.063
204	710	-24661.035	2428.949	278.364	-257.404	102125.313	-398603.186
205	511	24751.891	-4349.523	2230.414	-214.767	216654.063	-562188.250
205	711	-24751.891	4349.523	2230.414	214.767	461718.575	-960664.813
206	512	191552.125	-4719.770	42.127	291.518	-140428.563	-555305.148
206	712	-191552.125	4719.770	42.127	-291.518	193641.313	-1102186.000
207	710	43103.988	-548.770	140.437	169.877	-69277.625	340768.063
207	810	-43103.988	548.770	140.437	-169.877	117112.250	-527685.625
208	711	43203.238	-1273.536	3514.577	-32.773	-555629.184	795003.438
208	811	-43203.238	1273.536	3514.577	32.773	641277.313	-561222.148
209	712	210566.625	-3423.942	42.127	194.214	-43643.500	1102146.000
209	812	-210566.625	3423.942	42.127	-194.214	94192.875	-234391.438
210	810	65293.621	1635.985	437.342	471.895	-201701.250	676624.750
210	910	-65293.621	-1635.985	437.342	-471.895	371966.875	-59708.465
211	811	65386.680	987.139	537.325	-509.917	546196.684	244356.250
211	911	-65386.680	-987.139	537.325	509.917	-377005.625	119955.688
212	812	253263.125	1014.898	42.127	-91.097	124901.688	-234341.563
212	912	-253263.125	-1014.898	42.127	91.097	-108501.063	629501.313
213	910	87400.563	-875.140	6200.414	42.149	-63959.125	510472.148
213	1010	-87400.563	875.140	6200.414	-42.149	1774374.000	-451141.500
214	911	87700.250	-1056.552	6352.320	22.228	680028.625	413347.375
214	1011	-87700.250	1056.552	6352.320	-22.228	1792942.000	-824664.475
215	912	255903.375	10272.145	42.127	10.199	15425.230	-629499.250
215	1012	-255903.375	-10272.145	42.127	-10.199	975.287	-5369545.000
216	1010	101135.250	7484.879	8126.480	0.000	1462414.000	1365038.000
216	1110	-101135.250	-7484.879	8126.480	0.000	-0.000	-0.000
217	1011	101229.063	7421.242	8143.628	0.000	-1492508.000	1553432.000
217	1111	-101229.063	-7421.242	8143.628	0.000	0.000	0.000
218	1012	269445.938	16476.980	42.127	-0.000	7682.500	3369545.000
218	1112	-269445.938	-16476.980	42.127	0.000	0.000	-0.000

RESULTANT JOINT LOADS - SUPPORTS

JOINT	X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1110	6484.133	858.765	104600.063	-0.000	-0.000	-0.000
1111	6442.008	929.901	104695.375	0.000	0.000	0.000
1112	42.127	-62550.660	265804.750	-0.000	0.000	0.000
	0.002	-60761.994	475,104.188			

RESULTANT JOINT DISPLACEMENTS - SUPPORTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110	0.0	0.0	0.0	-0.001	-0.000	-0.000
1111	0.0	0.0	0.0	-0.001	0.000	-0.000
1112	0.0	0.0	0.0	-0.001	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010	-0.034	0.095	-0.018	-0.000	-0.000	-0.000
1007	0.004	0.177	-0.018	-0.000	0.000	-0.000
910	-0.012	0.205	-0.029	-0.000	0.000	-0.000
1001	0.008	0.176	-0.021	-0.000	0.000	0.000
907	0.002	0.230	-0.025	-0.000	0.000	0.000
810	0.007	0.268	-0.034	-0.000	0.000	-0.000
1002	0.006	0.167	-0.023	-0.000	-0.000	0.000
1004	-0.006	0.173	-0.047	-0.000	0.000	0.000
901	0.002	0.229	-0.026	-0.000	0.000	0.000
807	0.005	0.264	-0.032	-0.000	0.000	-0.000
710	0.009	0.285	-0.038	0.000	-0.000	-0.000
1003	0.003	0.149	-0.023	-0.000	0.000	0.000
1005	-0.006	0.160	-0.041	-0.000	-0.000	0.000
903	0.005	0.198	-0.028	-0.000	0.000	0.000
1006	-0.018	0.157	-0.069	-0.000	0.000	0.000
906	-0.010	0.214	-0.058	-0.000	0.000	0.000
902	0.004	0.214	0.021	-0.000	-0.000	0.000
904	-0.006	0.220	0.001	-0.000	0.000	0.000
808	-0.001	0.257	-0.041	-0.000	0.000	-0.000
801	0.005	0.264	-0.033	-0.000	0.000	-0.000
707	0.004	0.276	-0.036	-0.000	-0.000	-0.000
510	0.004	0.282	-0.039	-0.000	-0.000	-0.000
1008	0.003	0.149	-0.021	-0.000	0.000	0.000
904	-0.006	0.198	-0.026	-0.000	-0.000	0.000
905	-0.006	0.208	-0.002	-0.000	-0.000	0.000
803	0.005	0.246	-0.034	-0.000	-0.000	0.000
1009	-0.018	0.157	-0.074	-0.000	0.000	0.000
909	-0.009	0.215	-0.062	-0.000	0.000	0.000
809	-0.000	0.257	-0.045	-0.000	0.000	-0.000
805	-0.000	0.253	-0.016	0.000	-0.000	0.000
804	-0.000	0.259	-0.015	-0.000	0.000	0.000
706	0.048	0.301	-0.019	-0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
701	0.005	0.278	-0.037	-0.000	-0.000	-0.000
802	0.005	0.256	-0.010	-0.000	-0.000	0.000
703	0.004	0.520	0.043	-0.000	-0.000	-0.000
507	0.003	0.280	-0.038	-0.000	-0.000	-0.000
401	0.003	0.283	-0.040	-0.000	-0.000	-0.000
1011	0.003	0.093	-0.018	-0.000	-0.000	-0.000
911	0.003	0.202	-0.027	-0.000	-0.000	-0.000
808	0.005	0.247	-0.031	-0.000	-0.000	0.000
1012	0.004	0.142	0.012	-0.000	0.000	-0.000
912	0.013	0.203	0.007	-0.000	0.000	-0.000
812	0.024	0.250	0.002	-0.000	0.000	-0.000
709	0.051	0.301	-0.020	-0.000	0.000	-0.000
656	0.051	0.303	-0.017	-0.000	0.000	-0.000
705	0.024	0.312	-0.033	-0.000	-0.000	-0.000
704	0.024	0.289	-0.030	0.000	0.000	-0.000
513	0.004	0.322	-0.044	-0.000	-0.000	-0.000
702	0.004	0.300	-0.040	-0.000	-0.000	-0.000
651	0.004	0.279	-0.038	-0.000	-0.000	-0.000
506	0.049	0.298	-0.012	0.000	0.000	-0.000
708	0.003	0.323	-0.041	-0.000	-0.000	-0.000
653	0.004	0.324	-0.043	-0.000	-0.000	-0.000
501	0.004	0.291	-0.039	-0.000	-0.000	-0.000
911	-0.002	0.322	-0.043	-0.000	-0.000	-0.000
911	-0.015	0.280	-0.034	-0.000	-0.000	-0.000
515	0.053	0.298	-0.015	-0.000	0.000	-0.000
508	0.002	0.324	-0.044	-0.000	-0.000	-0.000
514	0.002	0.325	-0.044	-0.000	-0.000	-0.000
803	0.004	0.321	-0.044	-0.000	-0.000	-0.000
803	0.004	0.323	-0.044	-0.000	-0.000	-0.000
502	0.004	0.300	-0.042	0.000	-0.000	-0.000
505	0.024	0.311	-0.029	0.000	-0.000	-0.000
513	0.003	0.280	-0.038	-0.000	-0.000	-0.000
601	-0.000	0.279	-0.046	-0.000	-0.000	-0.000
601	0.004	0.280	-0.039	-0.000	-0.000	-0.000
509	0.052	0.298	-0.011	0.000	0.000	-0.000
406	0.048	0.297	-0.010	0.000	0.000	-0.000
504	0.024	0.288	-0.028	0.000	0.000	-0.000
711	0.002	0.323	-0.042	-0.000	0.000	-0.000
603	-0.001	0.324	-0.051	0.000	0.000	-0.000
206	0.037	0.337	-0.017	0.000	-0.000	-0.000
303	-0.001	0.365	-0.047	-0.000	-0.000	-0.000
308	0.041	0.344	-0.015	-0.000	-0.000	-0.000
201	-0.003	0.317	-0.044	0.000	-0.000	-0.000

RESULTANT JOINT DISPLACEMENTS - FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
512	0.0049	0.298	-0.009	0.000	0.000	-0.000
511	0.004	0.522	-0.044	-0.000	-0.000	-0.000
613	-0.002	0.323	-0.051	0.000	0.000	-0.000
602	-0.000	0.519	-0.197	0.000	-0.000	-0.000
611	-0.002	0.280	-0.046	0.000	-0.000	-0.000
106	0.032	0.529	-0.017	0.000	-0.000	-0.000
205	0.015	0.548	-0.043	0.000	-0.000	-0.000
204	0.015	0.526	-0.041	0.000	-0.000	-0.000
203	-0.005	0.359	-0.048	0.000	-0.000	-0.000
101	-0.005	0.508	-0.045	0.000	-0.000	-0.000
202	-0.004	0.537	-0.056	0.000	-0.000	-0.000
612	-0.002	0.513	-0.197	0.000	-0.000	-0.000
105	0.013	0.340	-0.044	0.000	-0.000	-0.000
104	0.013	0.519	-0.041	0.000	-0.000	-0.000
103	-0.005	0.551	-0.049	0.000	0.000	-0.000
102	-0.005	0.530	-0.058	0.000	-0.000	-0.000

LOADING - 7 VIBRATION IN X-DIRECTION (COMBINED LOADS)

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
41	101	785.168	-0.230	-690.295	0.310	7289.813	7289.813	-92.183
41	102	-785.168	0.230	690.295	-0.310	47121.602	47121.602	52.198
42	102	532.952	-2.997	386.192	-0.448	-46642.070	-46642.070	-106.888
42	103	-532.952	2.997	-386.192	0.448	-20555.458	-20555.458	414.557
43	103	-2.640	4.514	474.939	4.423	-33688.738	-33688.738	502.148
43	105	2.640	-4.514	-474.939	-4.423	49610.059	49610.059	283.022
44	105	124.943	-6.561	599.134	4.909	49844.859	49844.859	-330.056
44	106	-124.943	6.561	-599.134	-4.909	54380.711	54380.711	-776.904
45	101	634.466	-3.243	-610.152	4.818	57424.961	57424.961	-301.626
45	104	-634.466	3.243	610.152	-4.818	48294.805	48294.805	-262.350
46	104	510.578	-6.480	460.650	-2.107	-48234.644	-48234.644	332.151
46	106	-510.578	6.480	-460.650	2.107	-31931.094	-31931.094	795.479
47	102	-116.751	0.004	2.439	-0.508	-478.352	-478.352	-23.426
47	104	116.751	-0.004	-2.439	0.508	54.178	54.178	24.188
48	102	121.850	0.129	1.089	-0.208	-479.054	-479.054	31.264
48	105	-121.850	-0.129	-1.089	0.208	289.573	289.573	-8.684
49	104	-2.061	-0.481	1.871	0.578	-66.031	-66.031	-45.612

MEMBER FORCES

MEMBER NO.	JOINT NO.	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
49	105	2.061	0.481	-1.871	-0.578	259.520	-38.150
50	201	3506.606	-5.456	628.809	0.979	62043.125	-564.182
50	202	-3506.606	5.456	628.809	-0.979	47369.746	-365.205
51	202	3310.064	2.001	446.789	0.599	-30762.859	348.043
51	203	-3310.064	-2.001	446.789	-0.599	40165.289	0.111
52	203	4049.565	0.917	502.767	2.677	47257.734	190.788
52	205	4049.565	-0.917	-502.767	-2.677	47401.535	-31.238
53	205	-3936.367	-3.692	-574.968	-2.513	52658.574	-85.776
53	206	3936.367	3.692	574.968	2.513	51418.644	-536.701
54	201	-634.677	-6.068	-571.209	2.621	47927.926	-657.812
54	204	634.677	6.068	571.209	-2.621	-47927.926	-397.604
55	204	-954.972	4.185	500.820	-1.777	-47845.348	232.247
55	206	954.972	-4.185	-500.820	1.777	-39310.942	498.083
56	202	-117.595	-0.970	1.811	-0.535	-390.307	-65.975
56	204	117.595	0.970	-1.811	0.535	75.285	-102.715
57	202	109.925	-0.659	1.351	-0.256	-340.932	-28.613
57	205	-109.925	0.659	-1.351	0.256	155.892	-85.884
58	204	5.652	0.181	1.271	0.433	-89.729	62.641
58	205	-5.652	-0.181	-1.271	-0.433	151.496	-31.130
59	201	-10015.820	-15.575	-59.036	614.061	8939.176	-3004.929
59	303	10015.820	15.575	59.036	-614.061	14190.678	-3097.370
60	303	5222.168	23.747	-32.232	-2164.529	5176.871	-3409.755
60	306	-5222.168	-23.747	32.232	2164.529	7450.176	-5893.277
61	206	5160.004	20.598	-33.688	2452.481	5440.383	3528.433
61	301	-5160.004	-20.598	33.688	-2452.481	7750.930	4580.094
62	301	4868.324	-29.485	-150.320	406.805	26707.625	-4784.641
62	303	-4868.324	29.485	150.320	-406.805	25603.648	-5475.965
63	303	782.105	-7.292	72.307	-29.233	11886.938	458.329
63	306	-782.105	7.292	-72.307	29.233	13272.434	-2995.530
64	301	3984.521	-2.350	-72.242	91.313	12718.582	-1789.998
64	306	-3984.521	2.350	72.242	-91.313	12418.023	972.435
65	501	15285.992	-150.549	-235.223	649.272	37705.848	-18455.781
65	502	-15285.992	150.549	235.223	-649.272	5057.609	8877.605
66	502	15011.770	-0.027	-216.787	-287.322	39459.727	-6208.293
66	503	-15011.770	0.027	216.787	287.322	21888.566	3914.093
67	503	7420.387	-14.031	127.043	6267.160	1207.547	-6464.957
68	503	-7397.520	17.282	-92.818	-4417.516	704.453	6106.996
68	506	7397.520	-17.282	92.818	4417.516	14169.503	-2965.267
69	501	6446.496	-224.099	-136.288	5252.031	14505.551	-27151.340
69	504	-6446.496	224.099	136.288	-5252.031	5634.793	-13589.223
70	504	6056.371	64.660	-52.970	-4715.555	-3528.829	4804.191
70	506	-6056.371	-64.660	52.970	4715.555	13158.605	7859.609
71	502	-159.200	-43.130	-20.273	-1755.686	-1440.750	-2936.548

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
71	504	159,200	43,130	20,273	1755,666	5126,371	-4904,441
72	502	15,379	-8,410	-15,535	-1744,706	-2515,901	-262,338
73	505	-15,379	8,410	15,535	1744,706	5340,082	-1266,514
74	501	698,508	2,475	26,596	-31349,902	-821,193	-46,063
75	507	698,508	-2,475	-26,596	31349,902	11,501	121,435
76	507	694,376	0,0	0,0	31350,141	0,0	0,0
77	510	694,376	0,0	0,0	-31350,141	0,0	0,0
78	503	7409,636	4,898	-52,632	-115718,125	1561,009	597,594
79	508	-7409,636	-4,898	52,632	115718,125	41,715	-448,238
80	506	7405,957	0,0	0,0	115719,000	0,0	0,0
81	511	7405,957	0,0	0,0	-115719,000	0,0	0,0
82	506	988,936	-27,845	-0,000	87691,938	-341,697	-846,520
83	509	-988,936	27,845	0,000	-87691,938	341,697	-0,000
84	509	985,006	0,0	0,0	87692,625	0,0	0,0
85	512	985,006	0,0	0,0	-87692,625	0,0	0,0
86	501	-509,542	-48,589	5134,746	-952,082	-121504,063	-2209,367
87	513	509,542	48,589	-5134,746	952,082	-63633,695	471,438
88	505	509,542	0,678	1846,858	228,425	-39220,141	299,777
89	514	-509,542	-0,678	-1846,858	-228,425	-27111,605	-275,416
90	506	206,173	107,588	2262,999	1508,416	-55837,125	2088,677
91	515	-206,173	-107,588	-2262,999	-1508,416	-25630,428	1784,475
92	515	4213,445	215,493	383,182	471,438	55542,699	31067,465
93	514	-4213,445	-215,493	-383,182	-471,438	27224,711	15047,175
94	515	2788,157	128,918	141,951	275,416	25346,527	-13785,172
95	515	-2788,157	-128,918	-141,951	-275,416	7315,020	-14061,188
96	506	1321,471	206,173	-25,588	1784,475	1508,416	-25630,428
97	501	-1321,471	-206,173	25,588	-1784,475	4018,490	-18902,492
98	501	613,751	410,016	1716,282	-17352,570	-76893,375	-22092,156
99	503	-613,751	-410,016	-1716,282	17352,570	-46678,926	-7424,977
100	503	571,369	234,732	1171,256	13388,051	-44345,309	13482,070
101	515	-571,369	-234,732	-1171,256	-13388,051	-54965,086	3418,611
102	501	635,983	713,032	1942,266	-13392,680	-75348,188	-31488,922
103	501	-635,983	-713,032	-1942,266	13392,680	-43187,770	-11292,996
104	503	549,137	551,516	2335,541	11157,984	-94326,684	16120,898
105	503	-549,137	-551,516	-2335,541	-11157,984	-45805,672	4958,063
106	511	1052,281	0,986	-765,873	1021,529	71551,313	-1689,457
107	511	-1052,281	-0,986	765,873	-1021,529	75788,063	1878,934
108	511	1054,673	21,916	679,977	425,005	-68067,188	-1712,624
109	511	-1054,673	-21,916	-679,977	-425,005	-62569,797	-2497,810
110	501	102,233	25,218	-580,999	-606,954	60501,105	-4311,539
111	502	-102,233	-25,218	580,999	606,954	63181,938	-631,134
112	502	295,825	-0,316	515,143	1244,365	-56417,477	464,823
113	503	-295,825	0,316	-515,143	-1244,365	-53246,176	-532,148
114	511	311,352	612,765	694,948	834,111	-53998,801	46009,172

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
93	661	-311,552	-612,765	-694,948	-834,111	-47108,418	43141,293
94	612	-212,469	22,902	100,593	-166,310	-7720,875	1446,534
94	662	212,469	-22,902	-100,593	166,310	-6764,457	1851,339
95	613	765,441	549,454	-627,533	924,463	49181,770	55050,656
95	663	-765,441	-549,454	627,533	-924,463	42084,184	44888,707
96	501	-21454,016	-102,632	-127,746	-2151,286	33253,781	-21317,277
96	703	21454,016	102,632	127,746	2151,286	31427,579	-30631,809
97	706	16487,609	55,802	-134,235	-1713,414	36664,160	-8244,422
98	506	-11640,762	40,393	0,723	3771,384	6114,551	-20001,199
99	701	5000,871	-38,002	-34,823	-3771,384	-6467,871	13608,492
99	702	-5000,871	38,002	34,823	3771,384	6467,871	-13608,492
100	504	244,715	26,343	-41,868	-21,682	1371,419	-2178,815
100	505	-244,715	-26,343	41,868	21,682	3495,455	3880,584
101	702	4644,539	-23,816	-18,230	-3246,004	4116,102	908,556
101	703	-4644,539	23,816	18,230	3246,004	-654,719	-9,152
102	703	-4736,730	27,229	39,242	1598,352	4758,746	-5352,242
102	705	4736,730	-27,229	-39,242	-1598,352	8648,633	5649,242
103	705	-4562,371	7,703	-56,664	-0,673	182,921	478,716
103	706	4562,371	-7,703	56,664	0,673	2100,615	1427,911
104	701	3806,315	-53,495	-26,360	713,376	10657,645	306,349
104	704	-3806,315	53,495	26,360	-713,376	3639,260	-8427,195
105	704	3596,000	0,190	6,898	-2416,231	2293,031	-3612,006
105	706	-3596,000	-0,190	-6,898	2416,231	-1473,335	-144,165
106	702	154,235	-14,629	-9,493	-720,131	402,003	-1407,933
106	704	-154,235	14,629	9,493	720,131	1734,474	-1844,258
107	702	142,643	6,334	-3,640	200,276	-934,917	780,033
107	705	-142,643	-6,334	3,640	-200,276	1754,020	645,443
108	704	22,940	13,917	-1,351	1132,563	808,959	1871,913
108	705	-22,940	-13,917	1,351	-1132,563	-504,732	1261,184
109	701	667,683	2,468	26,317	7072,852	-804,934	102,544
109	707	-667,683	-2,468	-26,317	-7072,852	0,0	-27,397
110	707	663,950	0,0	0,0	-7072,902	0,0	0,0
110	710	-663,950	0,0	0,0	7072,902	0,0	0,0
111	703	970,250	-2,377	-27,688	43949,191	658,992	-91,772
111	708	-970,250	2,377	27,688	-43949,191	-15,843	170,238
112	708	966,320	0,0	0,0	-43949,523	0,0	0,0
112	711	-966,320	0,0	0,0	43949,523	0,0	0,0
113	709	6616,180	-49,772	0,000	171825,875	-669,530	-1513,114
113	709	-6616,180	49,772	-0,000	-171825,875	669,530	-0,000
114	709	6612,293	0,0	0,0	-171827,125	0,0	0,0
114	712	-6612,293	0,0	0,0	171827,125	0,0	0,0
115	701	-10272,027	20,237	-29,239	-7469,324	2729,657	9901,281

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
115	806	10272.027	-20.237	29.239	7469.324	14869.613	2279.836
116	703	18738.957	34.685	-48.792	-1553.301	9257.773	6739.191
116	801	-18738.957	-34.685	48.792	1553.301	20110.059	12157.723
117	701	-8749.906	11.113	-58.209	-1828.030	12878.051	9443.254
117	803	8749.906	-11.113	58.209	1828.030	22157.742	-2754.152
118	801	8978.281	28.827	-340.424	-544.884	-38338.641	8147.180
118	802	-8978.281	-28.827	340.424	544.884	-54760.563	-263.658
119	802	8500.012	41.561	-455.729	-4236.965	53524.996	4614.168
119	803	-8500.012	-41.561	455.729	4236.965	69107.688	6751.945
120	803	6278.617	-51.217	-512.989	-1528.939	82716.563	-7857.273
120	805	6278.617	51.217	512.989	1528.939	57577.773	-6149.645
121	805	-6081.465	-16.827	280.449	-4982.895	-53629.504	2065.201
121	806	6081.465	16.827	-280.449	4982.895	-23085.879	-7068.055
122	801	3443.988	15.464	-348.493	709.919	-44951.191	4777.738
122	804	-3443.988	-15.464	348.493	-709.919	-50356.020	-548.511
123	804	3190.182	35.336	-399.372	-7237.898	52125.504	1393.191
123	806	-3190.182	-35.336	399.372	7237.898	57120.313	8272.707
124	802	-253.434	8.399	-22.836	-1321.180	1672.619	1694.552
124	804	253.434	-8.399	22.836	1321.180	4574.035	603.060
125	802	205.272	-18.862	-5.775	396.037	-1599.216	-2655.959
125	805	-205.272	18.862	5.775	-396.037	3178.911	-2503.743
126	804	33.264	-5.199	-8.482	2196.979	2549.557	-241.621
126	805	-33.264	5.199	8.482	-2196.979	-228.963	-1180.707
127	807	6204.897	4.464	-47.965	13360.750	-1412.522	652.504
127	807	-6204.897	-4.464	47.965	-13360.750	-48.074	-516.576
128	807	-6200.946	0.0	0.0	-13361.750	0.0	0.0
128	810	6200.946	0.0	0.0	13361.750	0.0	0.0
129	803	4756.723	3.942	-42.355	265472.250	1345.479	-908.281
129	808	-4756.723	-3.942	42.355	-265472.250	-95.698	1028.312
130	808	4752.824	0.0	0.0	-265474.250	0.0	0.0
130	811	-4752.824	0.0	0.0	265474.250	0.0	0.0
131	808	-20.708	-23.911	-0.000	18895.273	-73.627	-726.920
131	809	20.708	23.911	0.000	-18895.273	73.627	-0.000
132	809	24.645	0.0	0.0	-18895.414	0.0	0.0
132	812	-24.645	0.0	0.0	18895.414	0.0	0.0
133	801	-22088.086	27.981	-57.001	2353.201	16669.004	10335.258
133	803	22088.086	-27.981	57.001	-2353.201	24098.215	9676.852
134	803	15471.793	62.659	-30.059	-5118.672	8798.797	-25144.977
134	806	-15471.793	-62.659	30.059	5118.672	12699.332	-19669.086
135	806	9855.152	-19.376	-40.218	-192.341	13105.367	-9752.734
135	801	-9855.152	19.376	40.218	192.341	15659.621	-4105.637
136	801	10459.105	-7.024	395.355	651.663	-53566.922	1079.248
136	802	-10459.105	7.024	-395.355	-651.663	-76520.750	-3390.570
137	802	10137.707	33.428	-539.991	1482.117	79169.000	4865.387

MEMBER JOINT / MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT HENDING Y	BENDING Z
137	903	-10157.707	-33.428	539.994	-1482.117	98509.563	6133.793
138	903	-1879.036	-37.179	505.554	2736.557	85540.375	-7584.168
138	905	1879.036	37.179	505.554	-2736.557	80773.000	-4666.621
139	905	-1752.495	-2.740	450.814	-2785.755	-79867.188	1510.529
139	906	1752.495	2.740	450.814	2785.755	-68485.188	-2412.146
140	901	-2187.660	-14.104	425.186	2627.207	-64028.570	-900.511
140	904	2187.660	14.104	425.186	-2627.207	-75188.063	-3739.529
141	904	-2401.307	-22.153	496.740	-2825.997	76349.813	3333.393
141	906	2401.307	22.153	496.740	2825.997	87115.813	3956.729
142	902	-196.777	-0.939	4.493	-830.792	1446.356	134.327
142	904	196.777	0.939	4.493	830.792	2924.278	-443.136
143	902	-156.349	-9.945	6.350	-1040.605	-608.534	-1340.492
143	905	156.349	9.945	6.350	1040.605	-608.534	-1340.492
144	904	-57.462	-3.774	12.800	1722.867	2697.521	-1931.180
144	905	57.462	3.774	12.800	-1722.867	2144.852	-37.003
145	901	-9083.535	-1.047	11.255	342877.938	2066.698	-1204.917
145	907	9083.535	1.047	11.255	-342877.938	466.537	1296.251
146	907	-9087.543	0.0	0.0	-342880.500	-123.601	-1328.147
146	910	9087.543	0.0	0.0	342880.500	0.0	0.0
147	905	-16490.445	8.172	87.806	220843.625	2733.429	-606.611
147	908	16490.445	-8.172	87.806	-220843.625	-79.610	855.444
148	908	-16486.633	0.0	0.0	-220845.375	0.0	0.0
148	911	16486.633	0.0	0.0	220845.375	0.0	0.0
149	906	-5452.121	-46.795	0.000	-574331.938	2237.919	-1422.604
149	909	5452.121	46.795	0.000	574331.938	-2237.919	-0.000
150	909	-5448.227	0.0	0.0	-574336.313	0.0	0.0
150	912	5448.227	0.0	0.0	574336.313	0.0	0.0
151	1002	-23463.758	-2.637	4.754	730.290	5671.473	-189.226
151	1005	23463.758	2.637	4.754	-730.290	-3262.677	-1147.151
152	903	-25736.430	10.793	24.825	529.915	-2655.151	3012.537
152	1002	25736.430	-10.793	24.825	-529.915	-9923.688	2436.415
153	903	-13072.020	8.112	15.315	235.762	-3198.573	1533.574
153	1005	13072.020	-8.112	15.315	-235.762	-4561.621	2576.760
154	906	-11103.908	10.765	6.860	65.348	3552.099	1200.659
154	1005	11103.908	-10.765	6.860	-65.348	-78.398	4253.617
155	901	-11010.402	-6.538	1.148	1099.196	1218.778	-367.915
155	1004	11010.402	6.538	1.148	-1099.196	-1800.525	-2944.820
156	906	-12418.699	-3.584	5.645	440.871	3428.703	-10.660
156	1004	12418.699	3.584	5.645	-440.871	-568.267	-1805.205
157	1001	-17257.273	32.745	92.151	2660.803	27726.820	8745.676
157	1002	17257.273	-32.745	92.151	-2660.803	7703.410	3844.106
158	1002	-15143.469	18.813	93.764	1859.552	5637.754	2084.589
158	1003	15143.469	-18.813	93.764	-1859.552	30392.445	5184.758
159	1003	-12407.336	17.491	-23.269	4722.719	8128.320	2702.177

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
159	1005	12907.336	-17.491	23.269	-4722.719	818.769	4023.418
160	1005	2904.673	1.850	-74.819	-5336.348	6422.109	-681.225
160	1006	-2904.673	-1.850	74.819	5336.348	22346.230	1592.482
161	1001	13046.918	-6.637	17.456	3972.233	-1017.647	57.863
161	1004	-13946.918	6.637	-17.456	-3972.233	-5886.438	-2609.795
162	1004	1479.616	4.439	98.148	-6635.223	11853.684	2099.712
162	1006	-1479.616	-4.439	-98.148	6635.223	25884.789	-392.854
163	1002	-124.691	2.677	-20.231	-684.125	2189.419	909.902
163	1004	124.691	-2.677	20.231	684.125	5589.567	119.341
164	1002	14.091	-3.790	-9.648	-971.448	116.592	-1049.862
164	1005	-14.091	3.790	9.648	971.448	5593.135	-407.553
165	1004	-75.117	2.583	-31.020	1554.517	5633.145	570.729
165	1005	75.117	-2.583	31.020	-1554.517	6293.570	422.466
166	1001	26472.683	11.761	126.373	403716.438	-3702.834	1920.424
166	1007	-26472.683	-11.761	-126.373	-403716.438	-145.400	-1502.271
167	1007	26469.141	0.0	0.0	-403719.500	0.0	0.0
167	1010	-26469.141	0.0	0.0	403719.500	0.0	0.0
168	1003	-25135.027	6.625	73.336	306550.500	-2122.047	-1401.645
168	1008	25135.027	-6.625	-73.336	-306550.500	-111.125	1194.005
169	1008	-25139.152	0.0	0.0	-308552.875	0.0	0.0
169	1011	25139.152	0.0	0.0	308552.875	0.0	0.0
170	1006	754.677	-26.930	0.000	-620718.750	2416.299	-818.683
170	1009	-754.677	26.930	-0.000	620718.750	-2416.299	-0.000
171	1009	-750.745	0.0	0.0	620723.438	0.0	0.0
171	1012	750.745	0.0	0.0	-620723.438	0.0	0.0
172	101	7376.473	-547.531	1628.349	393.809	-101919.125	-50067.816
172	201	-7376.473	547.531	-1628.349	-393.809	-191183.563	-48487.887
173	103	6441.152	-2.969	-4.703	916.706	37403.352	-24172.785
173	203	-6441.152	2.969	4.703	-916.706	-36556.636	28638.398
174	106	7136.078	550.500	343.353	-1572.384	-11229.117	74750.625
174	206	-7136.078	-550.500	-343.353	1572.384	50574.508	24339.387
175	201	26310.641	199.454	-3048.525	4002.722	94478.188	5892.637
175	301	-26310.641	-199.454	3048.525	-4002.722	454256.063	3009.012
176	203	18541.813	-496.427	-2538.293	2594.973	8575.375	-57256.064
176	303	-18541.813	496.427	2538.293	-2594.973	371117.250	-32100.801
177	206	18892.480	266.677	-2357.992	-4308.305	42307.684	48777.859
177	306	-18892.480	-266.677	2357.992	4308.305	382130.938	-776.070
178	301	38670.074	-274.993	3112.995	10597.766	-494246.500	46921.121
178	401	-38670.074	274.993	-3112.995	-10597.766	-570397.750	-47126.520
179	303	23437.656	139.451	-2444.540	12312.910	-416830.438	42670.684
179	403	-23437.656	-139.451	2444.540	-12312.910	-419330.250	5028.961
180	306	31052.523	135.542	-2561.717	-9246.699	-401350.125	8714.246
180	406	-31052.523	-135.542	2561.717	9246.699	-474756.938	37641.082
181	401	-123591.063	4585.458	-436.557	-31400.977	208454.938	155036.063

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
101	501	123541.063	-4585.438	436.557	31400.977	-184553.250	96019.563
102	403	54209.227	-252.621	13726.063	-19601.617	-235036.313	-182274.125
103	503	-54209.227	252.621	-13726.063	19601.617	-532548.125	166147.063
104	406	-31335.570	-5613.563	8199.207	69746.875	-135978.000	-86524.813
105	506	31335.570	5613.563	-8199.207	-69746.875	-312886.813	-220748.938
106	501	-102520.313	285.699	-1147.745	35824.582	194743.625	-17282.820
107	601	102520.313	-295.699	1147.745	-35824.582	-110977.813	38133.953
108	503	48192.617	-2358.184	-2963.108	-8339.148	428827.563	-247579.813
109	603	-48192.617	2358.184	2963.108	8339.148	-212571.375	75472.688
110	506	30265.961	-221.222	-2046.178	55557.566	201136.938	157252.875
111	606	-30265.961	221.222	2046.178	-55557.566	247337.813	-106809.813
112	601	-96563.500	162.172	-651.846	26363.777	92785.500	41068.571
113	651	96563.500	-162.172	651.846	-26363.777	2372.758	-17413.969
114	603	53340.617	-2506.849	-1570.043	-3094.535	226437.575	-24701.070
115	653	-53340.617	2506.849	1570.043	3094.535	-2761.894	-341255.688
116	651	-93670.063	1298.672	-263.221	7495.793	-44666.137	74539.563
117	701	93670.063	-1298.672	263.221	-7495.793	22267.066	31071.734
118	653	63340.441	-1291.158	-347.760	-3331.484	1076.156	450869.813
119	703	-63340.441	1291.158	347.760	3331.484	-30695.508	-560840.250
120	650	-25537.125	-764.724	-979.766	56541.141	-251655.063	127712.250
121	706	25537.125	764.724	979.766	-56541.141	335097.000	-192840.188
122	701	-71581.438	-469.687	-399.337	26507.766	-32441.191	-67852.438
123	601	71581.438	469.687	399.337	-26507.766	168460.250	92528.438
124	703	43757.961	-3471.812	-463.915	38821.223	5283.012	61376.313
125	603	-43757.961	3471.812	463.915	-38821.223	152731.938	551163.563
126	706	-4509.984	-1106.906	-2270.998	59757.449	-539408.688	229239.063
127	606	4509.984	1106.906	2270.998	-59757.449	-234142.188	147797.000
128	601	43035.031	-46.012	-103.566	14174.133	-78620.563	6065.574
129	603	-43035.031	46.012	103.566	-14174.133	118862.613	11847.590
130	603	35404.449	-526.655	-354.169	15057.121	-158260.313	-216871.313
131	606	-35404.449	526.655	354.169	-15057.121	20373.348	11634.281
132	606	16261.590	-868.490	-954.178	26665.637	167525.875	-220608.500
133	606	-16261.590	868.490	954.178	-26665.637	203945.125	-117503.000
134	901	-7360.691	-1532.879	-735.217	4996.270	114620.688	-254378.375
135	1001	7360.691	1532.879	735.217	-4996.270	171600.875	-342374.438
136	903	1373.371	-1304.307	-96.422	610.458	-78194.125	238171.375
137	1003	-1373.371	1304.307	96.422	-610.458	115731.250	264597.750
138	906	-2970.671	-8.044	-2382.235	4593.445	341009.500	102.354
139	1006	2970.671	8.044	2382.235	-4593.445	566417.688	-3233.849
140	401	169094.188	-1088.021	-2103.110	1160.218	361398.375	-109898.875
141	510	-169094.188	1088.021	2103.110	-1160.218	-246002.563	50200.242
142	403	-25835.104	2716.681	-2608.490	1224.436	654055.125	180654.000
143	511	25835.104	-2716.681	2608.490	-1224.436	-507881.313	-28417.617
144	406	68774.250	-464.024	-4790.492	-1036.273	605795.250	48803.820

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR X	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING X	MOMENT BENDING Y	MOMENT BENDING Z
203	512	-68774.250	464.024	4790.492	1036.273		-342972.575		-74341.688
204	510	179003.375	-786.260	-1416.595	1435.251		261487.625		-77463.313
204	710	-179003.375	786.260	1416.595	-1435.251		-261487.625		77463.313
205	511	-16497.043	-188.661	-3373.695	1318.729		565276.875		124615.168
205	711	16497.043	188.661	3373.695	-1318.729		-565276.875		-124615.168
206	512	76462.563	-1128.690	-3233.499	-970.399		430665.125		74341.875
206	712	-76462.563	1128.690	3233.499	970.399		-430665.125		-74341.875
207	710	197975.938	451.965	-1132.753	1354.080		552785.813		167811.375
207	610	-197975.938	-451.965	1132.753	-1354.080		-552785.813		-167811.375
208	711	1806.352	841.448	801.879	1349.403		554681.563		-13866.852
208	611	-1806.352	-841.448	-801.879	-1349.403		-554681.563		13866.852
209	712	97043.375	2409.549	-880.499	-1349.403		209367.125		142807.188
209	612	-97043.375	-2409.549	880.499	1349.403		-209367.125		-142807.188
210	610	220616.938	699.491	2870.955	1593.278		624560.938		129852.875
210	910	-220616.938	-699.491	-2870.955	-1593.278		-624560.938		-129852.875
211	611	23874.528	316.553	1922.078	1322.729		493156.625		-402178.375
211	911	-23874.528	-316.553	-1922.078	-1322.729		-493156.625		402178.375
212	612	119453.938	1388.618	1145.500	1348.398		680876.125		402988.563
212	912	-119453.938	-1388.618	-1145.500	-1348.398		-680876.125		-402988.563
213	910	243229.875	5657.289	6979.438	949.944		216025.438		157614.125
213	1010	-243229.875	-5657.289	-6979.438	-949.944		-216025.438		-157614.125
214	610	46106.375	5990.895	7938.516	964.264		298683.438		-88824.563
214	1011	-46106.375	-5990.895	-7938.516	-964.264		-298683.438		88824.563
215	912	141873.125	717.172	2390.500	-724.526		790361.000		137614.000
215	1012	-141873.125	-717.172	-2390.500	724.526		-790361.000		-137614.000
216	1010	256783.063	-6311.199	14217.203	0.000		-140283.688		141587.875
216	1110	-256783.063	6311.199	-14217.203	0.000		140283.688		-141587.875
217	1011	59629.473	7539.930	16144.230	0.000		0.000		1375078.000
217	1111	-59629.473	-7539.930	-16144.230	0.000		0.000		-1375078.000
218	1012	155410.313	-776.400	2634.500	0.000		480439.250		-141587.813
218	1112	-155410.313	776.400	-2634.500	0.000		-480439.250		141587.813

RESULTANT JOINT LOADS - SUPPORTS

JOINT	X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
1110	-50660.828	27409.984	25379.688	0.000	0.000	0.000
1111	-7374.664	-2609.918	64814.576	0.000	0.000	-0.000
1112	-2634.500	-24800.066	156498.000	-0.000	0.000	0.000
	-60669.992	0.000	475104.266			

RESULTANT JOINT DISPLACEMENTS = SUPPORTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1110	0.0	0.0	0.0	0.000	0.001	-0.000
1111	0.0	0.0	0.0	-0.000	0.001	-0.000
1112	0.0	0.0	0.0	0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS = FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
1010	0.121	-0.028	0.008	0.000	0.000	-0.000
1007	0.167	0.026	-0.068	-0.000	0.000	0.000
910	0.196	0.001	0.002	-0.000	0.000	-0.000
1001	0.166	0.025	-0.064	-0.000	0.000	0.000
907	0.217	0.018	-0.058	-0.000	0.000	0.000
810	0.245	0.017	-0.004	-0.000	0.000	-0.000
1002	0.174	0.014	-0.040	0.000	0.000	0.000
1004	0.158	0.013	-0.047	-0.000	0.000	0.000
901	0.216	0.017	-0.055	-0.000	0.000	0.000
807	0.254	0.019	-0.043	-0.000	0.000	0.000
710	0.261	0.018	-0.011	0.000	0.000	0.000
1003	0.167	-0.018	-0.010	0.000	0.000	0.000
1005	0.158	-0.016	-0.022	0.000	0.000	0.000
903	0.224	-0.016	-0.016	0.000	0.000	0.000
1006	0.140	0.003	-0.037	-0.000	0.000	0.000
906	0.191	0.005	-0.037	-0.000	0.000	0.000
902	0.220	0.004	0.009	0.000	0.000	0.000
904	0.206	0.012	-0.002	-0.000	0.000	0.000
806	0.237	0.006	-0.033	-0.000	0.000	0.000
801	0.254	0.018	-0.041	-0.000	0.000	0.000
707	0.262	0.015	-0.029	0.000	0.000	0.000
510	0.263	0.013	-0.018	0.000	0.000	0.000
1008	0.168	-0.019	-0.005	0.000	0.000	0.000
908	0.226	-0.017	-0.016	0.000	0.000	0.000
905	0.206	-0.004	-0.020	0.000	0.000	0.000
803	0.259	-0.012	-0.030	-0.000	0.000	0.000
1009	0.139	0.003	-0.036	-0.000	0.000	0.000
909	0.191	0.005	-0.037	-0.000	0.000	0.000
809	0.237	0.006	-0.035	-0.000	0.000	0.000
805	0.245	-0.002	-0.009	0.000	0.000	0.000
804	0.245	0.012	-0.017	-0.000	0.000	0.000
706	0.279	0.021	-0.029	-0.000	0.000	-0.000

RESULTANT JOINT DISPLACEMENTS = FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
701	0.262	0.015	-0.028	0.000	0.000	0.000
802	0.257	0.005	-0.014	-0.000	-0.000	0.000
703	0.266	0.025	-0.041	-0.000	0.000	0.000
507	0.263	0.012	-0.022	0.000	0.000	0.000
401	0.264	0.012	-0.019	0.000	0.000	0.000
1011	0.132	0.035	-0.025	-0.000	0.000	-0.000
911	0.207	0.010	-0.036	0.000	0.000	0.000
808	0.261	-0.013	-0.028	-0.000	0.000	0.000
1012	0.070	-0.002	-0.007	0.000	0.000	-0.000
912	0.191	0.001	-0.015	0.000	0.000	-0.000
512	0.266	0.004	-0.021	-0.000	0.000	-0.000
709	0.260	0.021	-0.030	-0.000	0.000	-0.000
609	0.261	0.022	-0.029	-0.000	0.000	-0.000
705	0.270	0.024	-0.036	0.000	-0.000	-0.000
704	0.270	0.018	-0.030	0.000	-0.000	-0.000
503	0.271	0.022	-0.046	0.000	0.000	0.000
702	0.264	0.021	-0.036	0.000	-0.000	0.000
651	0.262	0.014	-0.026	0.000	0.000	0.000
506	0.262	0.020	-0.028	-0.000	0.000	-0.000
708	0.266	0.024	-0.041	0.000	0.000	0.000
653	0.266	0.026	-0.043	0.000	0.000	0.000
501	0.263	0.012	-0.021	0.000	0.000	0.000
301	0.319	0.004	-0.024	0.000	0.000	0.000
611	0.249	0.003	-0.043	-0.000	0.000	0.000
712	0.288	0.020	-0.023	-0.000	0.000	-0.000
515	0.285	0.020	-0.028	-0.000	0.000	-0.000
508	0.271	0.021	-0.045	0.000	0.000	0.000
514	0.271	0.021	-0.044	0.000	0.000	0.000
403	0.274	0.021	-0.047	0.000	0.000	0.000
503	0.268	0.023	-0.045	0.000	0.000	0.000
502	0.267	0.019	-0.035	0.000	-0.000	0.000
505	0.273	0.023	-0.037	0.000	-0.000	0.000
513	0.263	0.015	-0.025	0.000	0.000	0.000
601	0.266	0.015	-0.035	0.000	-0.000	0.000
601	0.263	0.015	-0.023	0.000	0.000	0.000
509	0.284	0.019	-0.027	0.000	0.000	-0.000
406	0.283	0.016	-0.027	0.000	0.000	-0.000
504	0.273	0.016	-0.026	-0.000	0.000	-0.000
711	0.270	0.016	-0.047	-0.000	0.000	0.000
603	0.266	0.026	-0.052	0.000	0.000	-0.000
206	0.328	0.010	-0.032	0.000	-0.000	0.000
505	0.322	0.017	-0.049	0.000	0.000	-0.000
306	0.329	0.015	-0.031	0.000	0.000	-0.000
201	0.317	0.003	-0.026	0.000	-0.000	-0.000

RESULTANT JOINT DISPLACEMENTS • FREE JOINTS

JOINT	X DISP	Y DISP	Z DISP	X ROT	Y ROT	Z ROT
512	0.283	0.019	-0.027	0.000	0.000	-0.000
511	0.271	0.021	-0.047	0.000	0.000	0.000
613	0.267	0.023	-0.052	0.000	0.000	-0.000
602	0.266	0.018	-0.192	0.000	-0.000	-0.000
611	0.266	0.013	-0.033	0.000	-0.000	0.000
106	0.323	0.005	-0.033	0.000	-0.000	-0.000
205	0.323	0.012	-0.052	0.000	-0.000	-0.000
204	0.323	0.007	-0.040	0.000	-0.000	-0.000
203	0.320	0.012	-0.051	0.000	-0.000	-0.000
101	0.316	0.001	-0.026	0.000	-0.000	-0.000
202	0.318	0.009	-0.048	0.000	-0.000	-0.000
612	0.267	0.012	-0.192	0.000	-0.000	-0.000
105	0.319	0.007	-0.054	0.000	-0.000	-0.000
104	0.319	0.003	-0.040	0.000	-0.000	-0.000
103	0.316	0.009	-0.051	0.000	-0.000	-0.000
102	0.316	0.005	-0.049	0.000	-0.000	-0.000

LIST SECTION STRESS ALL MEMBERS SECTION FRA NS 5 0. .25 .5 .75 1.0

 RESULTS OF LATEST ANALYSES

PROBLEM - ACMH TITLE - EARTHQUAKE ANALYSIS OF TRIPUD STRUCTURES AT 105 FT WATER - NAVY

ACTIVE UNITS INCH LB RAD FAHR SEC LBM

INTERNAL MEMBER RESULTS

MEMBER NORMAL STRESS

MEMBER 41

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	15.144	0.0	0.0	-8.671	65.706	107.520	-77.232
0.250	15.144	0.0	0.0	-4.770	55.141	75.054	-44.766
0.500	15.144	0.0	0.0	-0.869	26.576	42.588	-12.300
0.750	15.144	0.0	0.0	3.032	11.989	20.166	10.122
1.000	15.144	0.0	0.0	6.933	-30.554	52.632	-22.344

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	0.0	0.0	-228,059	35,171	242,448	-284,011
0.250		0.0	0.0	-175,892	25,319	178,329	-219,893
0.500		0.0	0.0	-119,725	15,267	114,210	-155,774
0.750		0.0	0.0	-65,558	5,515	50,091	-91,655
1.000		0.0	0.0	-11,391	-4,637	-4,754	-36,610

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-512,088	-16,657	499,394	-558,095
0.250		0.0	0.0	-248,409	-10,848	229,906	-288,607
0.500		0.0	0.0	15,270	-5,040	-9,040	-49,660
0.750		0.0	0.0	278,949	0,769	250,368	-309,068
1.000		0.0	0.0	542,628	6,578	519,855	-578,556

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-4,507	-5,061	18,847	-8,248
0.250		0.0	0.0	-5,830	-3,660	14,810	-4,170
0.500		0.0	0.0	-3,154	-2,259	10,732	-0,093
0.750		0.0	0.0	-0,478	-0,658	6,655	3,985
1.000		0.0	0.0	2,199	0,543	8,062	2,578

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-79,044	-4,899	85,662	-92,223
0.250		0.0	0.0	-59,877	-6,690	63,286	-69,847
0.500		0.0	0.0	-40,710	-3,481	40,910	-47,471
0.750		0.0	0.0	-21,542	-0,272	18,533	-25,095
1.000		0.0	0.0	-2,375	2,936	2,032	-8,594

MEMBER 42

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	14.797	0.0	0.0	8.023	-11.998	34.818	-5.224
0.250	14.797	0.0	0.0	10.402	-9.608	34.807	-5.213
0.500	14.797	0.0	0.0	12.782	-7.217	34.796	-5.202
0.750	14.797	0.0	0.0	15.162	-4.826	34.785	-5.191
1.000	14.797	0.0	0.0	17.541	-2.436	34.774	-5.180

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	-5.638	0.0	0.0	-14.996	9.819	21.176	-28.453
0.250	-5.638	0.0	0.0	-38.685	-4.956	40.002	-47.279
0.500	-5.638	0.0	0.0	-92.365	-19.730	108.457	-115.734
0.750	-5.638	0.0	0.0	-148.045	-38.505	176.912	-184.189
1.000	-5.638	0.0	0.0	-199.726	-49.280	245.367	-252.644

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	-29.304	0.0	0.0	502.388	1.658	514.742	-573.350
0.250	-29.304	0.0	0.0	281.118	2.353	254.167	-312.775
0.500	-29.304	0.0	0.0	19.849	5.048	6.407	-52.201
0.750	-29.304	0.0	0.0	-241.421	5.742	215.859	-274.467
1.000	-29.304	0.0	0.0	-502.690	4.437	477.623	-536.431

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	14.797	0.0	0.0	8.023	-11.998	34.818	-5.224
0.250	14.797	0.0	0.0	10.402	-9.608	34.807	-5.213
0.500	14.797	0.0	0.0	12.782	-7.217	34.796	-5.202
0.750	14.797	0.0	0.0	15.162	-4.826	34.785	-5.191
1.000	14.797	0.0	0.0	17.541	-2.436	34.774	-5.180

FROM	FM	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	5.339	0.0	2.189	-4.255	11.782	-1.105
0.250		5.339	0.0	4.347	0.366	10.052	0.625
0.500		5.339	0.0	6.506	4.987	16.831	-6.154
0.750		5.339	0.0	8.664	9.608	23.610	-12.933
1.000		5.339	0.0	10.822	14.228	30.389	-19.712

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-5.312	0.0	0.0	73.912	-1.488	2.088	-6.711
0.250		-3.312	0.0	0.0	15.132	0.409	12.229	-18.852
0.500		0.500	0.0	0.0	34.176	2.306	33.170	-59.793
0.750		-5.312	0.0	0.0	53.220	4.202	54.111	-60.734
1.000		-5.312	0.0	0.0	72.264	6.099	75.051	-81.674

MEMBER 43

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	11.195	0.0	0.0	-198.401	-11.391	220.987	-198.597
0.250		11.195	0.0	0.0	-150.336	-7.920	169.451	-147.061
0.500		11.195	0.0	0.0	-102.271	-4.449	117.916	-95.526
0.750		11.195	0.0	0.0	-54.207	-0.979	66.380	-43.990
1.000		11.195	0.0	0.0	-6.142	2.692	19.829	-2.561

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	23.729	0.0	0.0	-104.522	-61.622	189.872	-142.415
0.250		23.729	0.0	0.0	-81.384	-36.621	143.733	-96.276
0.500		23.729	0.0	0.0	-58.246	-15.620	97.594	-50.137

0.750 23.729 0.0 0.0 -35.108 7.381 66.218 -18.761
 1.000 25.729 0.0 0.0 -31.970 30.383 66.081 -18.624

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-29.496	0.0	511.193	9.307	491.004	-549.995
0.250		-29.496	0.0	247.960	6.056	224.521	-283.512
0.500		-29.496	0.0	-15.272	2.805	-11.418	-47.573
0.750		-29.496	0.0	-278.505	-0.446	249.455	-508.447
1.000		-29.496	0.0	-541.738	-3.697	515.939	-574.930

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.585	0.0	-59.058	13.532	72.004	-73.175
0.250		-0.585	0.0	-44.707	9.351	53.472	-54.643
0.500		-0.585	0.0	-30.355	5.170	34.940	-36.110
0.750		-0.585	0.0	-16.004	0.989	16.407	-17.578
1.000		-0.585	0.0	-1.653	-3.192	4.260	-5.431

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	5.947	0.0	-28.571	5.385	39.902	-28.009
0.250		5.947	0.0	-22.199	3.980	32.125	-20.232
0.500		5.947	0.0	-15.827	2.575	24.349	-12.455
0.750		5.947	0.0	-9.455	1.170	16.572	-4.678
1.000		5.947	0.0	-3.083	-0.255	9.264	2.629

MEMBER 44

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-3,796	0.0	0.0	-8,598	9,524	14,326	-21,917
0.250		-3,796	0.0	0.0	38,296	-2,144	36,645	-44,236
0.500		-3,796	0.0	0.0	65,191	5,235	86,630	-94,221
0.750		-3,796	0.0	0.0	132,085	12,614	140,903	-148,495
1.000		-3,796	0.0	0.0	178,979	19,993	195,177	-202,768

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	15,004	0.0	0.0	-14,678	25,366	55,047	-25,040
0.250		15,004	0.0	0.0	9,536	6,868	31,408	-1,400
0.500		15,004	0.0	0.0	33,750	-11,629	60,383	-30,375
0.750		15,004	0.0	0.0	57,964	-30,127	103,094	-73,087
1.000		15,004	0.0	0.0	82,178	-48,624	145,806	-115,798

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-29,504	0.0	0.0	-541,540	0,551	512,587	-571,594
0.250		-29,504	0.0	0.0	-279,972	-1,403	251,671	-310,678
0.500		-29,504	0.0	0.0	-18,405	-3,356	-7,743	-51,264
0.750		-29,504	0.0	0.0	243,163	-5,310	218,989	-277,976
1.000		-29,504	0.0	0.0	504,750	-7,263	482,489	-541,496

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0,494	0.0	0.0	-2,280	2,105	3,891	-4,679
0.250		-0,494	0.0	0.0	11,715	-1,243	12,463	-13,451
0.500		-0,494	0.0	0.0	25,709	-4,590	29,605	-30,794
0.750		-0,494	0.0	0.0	39,704	-7,937	47,147	-48,136
1.000		-0,494	0.0	0.0	53,699	-11,285	64,489	-65,476

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-3.957	4.930	14.585	-2.590
	0.250	5.997	0.0	0.0	5.113	-0.483	9.594	2.401
	0.500	5.997	0.0	0.0	9.884	-5.895	21.777	-9.782
	0.750	5.997	0.0	0.0	16.655	-11.308	33.960	-21.965
	1.000	5.997	0.0	0.0	23.926	-16.720	46.183	-34.149

MEMBER 45

LOADING 3 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	165.542	81.040	235.184	-257.981
	0.250	-11.398	0.0	0.0	119.915	54.018	162.535	-185.331
	0.500	-11.398	0.0	0.0	74.288	26.995	89.885	-112.682
	0.750	-11.398	0.0	0.0	28.662	-0.028	17.291	-40.088
	1.000	-11.398	0.0	0.0	-16.965	-27.050	32.617	-55.414

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-115.491	49.013	153.208	-175.801
	0.250	-11.296	0.0	0.0	-86.636	29.925	105.265	-127.857
	0.500	-11.296	0.0	0.0	-57.781	10.837	57.321	-79.914
	0.750	-11.296	0.0	0.0	-28.926	-8.252	25.881	-48.474
	1.000	-11.296	0.0	0.0	-0.070	-27.340	16.114	-38.707

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-28.538	0.0	0.0	-502.851	-12.109	486.421	-543.497
0.250	-28.538	0.0	0.0	-241.654	-8.634	221.751	-278.826
0.500	-28.538	0.0	0.0	19.543	-5.160	-3.835	-55.241
0.750	-28.538	0.0	0.0	280.740	-1.686	253.888	-310.463
1.000	-28.538	0.0	0.0	541.937	1.788	515.187	-572.262

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-5.496	0.0	0.0	61.018	-5.235	60.757	-71.750
0.250	-5.496	0.0	0.0	44.635	-3.700	42.839	-53.832
0.500	-5.496	0.0	0.0	28.253	-2.165	24.921	-35.914
0.750	-5.496	0.0	0.0	11.870	-0.630	7.004	-17.496
1.000	-5.496	0.0	0.0	-4.513	0.905	-0.078	-10.914

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-3.327	0.0	0.0	-30.647	-8.715	36.036	-42.689
0.250	-3.327	0.0	0.0	-22.945	-6.278	25.896	-32.550
0.500	-3.327	0.0	0.0	-15.242	-3.641	15.756	-22.410
0.750	-3.327	0.0	0.0	-7.540	-1.404	5.617	-12.271
1.000	-3.327	0.0	0.0	0.163	1.033	-2.131	-4.523

MEMBER 46

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FR	-26.379	0.0	0.0	-13.201	-6.473	-4.706	-86.053
0.250	-26.379	0.0	0.0	-58.533	-6.442	40.595	-93.354
0.500	-26.379	0.0	0.0	-103.864	-6.412	85.697	-130.655
0.750	-26.379	0.0	0.0	-149.196	-6.381	131.198	-163.956
1.000	-26.379	0.0	0.0	-194.528	-6.350	176.499	-229.257

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-2.714	0.0	0.0	-23.206	21.333	-26.760
0.250		-2.714	0.0	29.581	-5.629	52.496	-37.924
0.500		-2.714	0.0	60.002	11.947	69.235	-74.663
0.750		-2.714	0.0	90.423	29.523	117.232	-122.660
1.000		-2.714	0.0	120.845	47.099	165.250	-170.658

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-28.604	0.0	542.116	-3.454	516.966	-574.173
0.250		-28.604	0.0	278.538	0.132	250.066	-307.273
0.500		-28.604	0.0	14.959	3.718	-9.926	-47.281
0.750		-28.604	0.0	-248.619	7.304	227.320	-264.527
1.000		-28.604	0.0	-512.198	10.890	494.484	-551.691

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-5.492	0.0	-3.028	-3.633	1.164	-12.149
0.250		-5.492	0.0	-19.263	0.341	14.112	-25.097
0.500		-5.492	0.0	-35.503	4.315	34.326	-45.311
0.750		-5.492	0.0	-51.743	8.289	54.559	-65.524
1.000		-5.492	0.0	-67.983	12.263	74.753	-85.738

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-3.416	0.0	0.079	-4.383	1.046	-7.877
0.250		-3.416	0.0	8.304	0.802	5.690	-12.521
0.500		-3.416	0.0	16.529	5.986	19.099	-25.931
0.750		-3.416	0.0	24.754	11.170	32.509	-39.340
1.000		-3.416	0.0	32.980	16.354	45.918	-52.749

MEMBER 47

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-10.725	0.0	-4.844	18.466	12.584	-34.035
0.250		-10.725	0.0	-7.631	9.057	5.963	-27.413
0.500		-10.725	0.0	-10.418	-0.552	0.045	-21.495
0.750		-10.725	0.0	-13.205	-9.761	12.241	-33.691
1.000		-10.725	0.0	-15.992	-19.170	24.437	-45.887

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	17.055	0.0	15.427	15.493	45.976	-11.865
0.250		17.055	0.0	12.433	8.662	38.151	-4.040
0.500		17.055	0.0	9.439	5.832	30.326	3.785
0.750		17.055	0.0	6.445	-0.999	24.499	9.611
1.000		17.055	0.0	3.451	-5.850	26.336	7.775

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.077	0.0	0.997	-5.014	5.934	-6.088
0.250		-0.077	0.0	0.433	-2.456	2.812	-2.966

0.500	-0.077	0.0	0.0	-0.130	0.102	0.156	-0.310
0.750	-0.077	0.0	0.0	-0.694	2.660	3.277	-3.431
1.000	-0.077	0.0	0.0	-1.258	5.218	6.399	-6.553

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.029	0.0	0.0	-0.020	-4.326	4.375	-4.317
0.250		0.029	0.0	0.0	-1.599	-2.204	3.832	-3.774
0.500		0.029	0.0	0.0	-3.178	-0.082	3.289	-3.231
0.750		0.029	0.0	0.0	-4.757	2.041	6.827	-6.769
1.000		0.029	0.0	0.0	-6.336	4.163	10.528	-10.470

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.161	0.0	0.0	6.573	-4.303	10.716	-11.038
0.250		-0.161	0.0	0.0	5.033	-1.997	6.869	-7.191
0.500		-0.161	0.0	0.0	3.493	0.310	3.641	-3.963
0.750		-0.161	0.0	0.0	1.952	2.617	4.408	-4.730
1.000		-0.161	0.0	0.0	0.412	4.923	5.174	-5.496

MEMBER 48

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-9.808	0.0	0.0	-4.475	-16.927	11.594	-31.210
0.250		-9.808	0.0	0.0	-0.749	-9.660	0.600	-20.216
0.500		-9.808	0.0	0.0	2.978	-2.393	-4.437	-15.179
0.750		-9.808	0.0	0.0	6.705	4.874	1.771	-21.388
1.000		-9.808	0.0	0.0	10.432	12.141	12.765	-32.381

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	-17.245	0.0	0.0	15.404	-14.079	12.238	-46.728
0.250	-17.245	0.0	0.0	14.493	-8.818	6.067	-40.356
0.500	-17.245	0.0	0.0	13.583	-5.557	-0.105	-34.585
0.750	-17.245	0.0	0.0	12.672	1.704	-2.869	-31.621
1.000	-17.245	0.0	0.0	11.761	6.965	1.481	-35.971

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	-0.124	0.0	0.0	1.059	4.369	5.304	-5.552
0.250	-0.124	0.0	0.0	0.706	2.290	2.872	-3.119
0.500	-0.124	0.0	0.0	0.352	0.211	0.459	-0.687
0.750	-0.124	0.0	0.0	-0.001	-1.868	1.746	-1.993
1.000	-0.124	0.0	0.0	-0.355	-3.947	4.178	-4.426

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	0.096	0.0	0.0	0.101	4.626	5.023	-4.831
0.250	0.096	0.0	0.0	0.741	2.335	5.172	-2.979
0.500	0.096	0.0	0.0	1.380	-0.156	1.633	-1.440
0.750	0.096	0.0	0.0	2.020	-2.647	4.763	-4.570
1.000	0.096	0.0	0.0	2.659	-5.137	7.893	-7.700

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	0.109	0.0	0.0	6.566	4.137	10.815	-10.396
0.250	0.109	0.0	0.0	5.555	1.953	7.617	-7.398
0.500	0.109	0.0	0.0	4.542	-0.232	4.683	-4.664
0.750	0.109	0.0	0.0	3.528	-2.416	6.054	-5.835

1.000 0.109 0.0 0.0 2.515 -4.601 7.225 -7.006

MEMBER 49

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	20.284	0.0	0.0	-16.222	-15.264	52.770	-12.202
0.250		20.284	0.0	0.0	-14.815	-9.504	44.602	-4.034
0.500		20.284	0.0	0.0	-13.407	-2.746	36.434	4.134
0.750		20.284	0.0	0.0	-11.999	4.016	36.300	4.269
1.000		20.284	0.0	0.0	-10.591	10.777	41.652	-1.084

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.195	0.0	0.0	3.142	-2.056	5.593	-5.003
0.250		0.195	0.0	0.0	-0.496	-0.891	1.582	-1.192
0.500		0.195	0.0	0.0	-4.134	0.274	4.603	-4.214
0.750		0.195	0.0	0.0	-7.772	1.439	9.406	-9.017
1.000		0.195	0.0	0.0	-11.411	2.604	14.209	-13.620

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.045	0.0	0.0	-0.278	4.780	5.104	-5.013
0.250		0.045	0.0	0.0	0.125	2.547	2.717	-2.627
0.500		0.045	0.0	0.0	0.529	0.315	0.887	-0.796
0.750		0.045	0.0	0.0	0.932	-1.899	2.899	-2.808
1.000		0.045	0.0	0.0	1.336	-4.155	5.536	-5.445

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	10.772	-11.030
0.250		-0.129	0.0	-6.410	4.491	7.483	-7.741
0.500		-0.129	0.0	-5.485	2.127	4.669	-4.927
0.750		-0.129	0.0	-4.560	-0.237	6.108	-6.367
1.000		-0.129	0.0	-3.636	-2.602	7.548	-7.807

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.052	0.0	0.311	5.406	5.768	-5.665
0.250		0.052	0.0	-0.568	2.742	3.161	-3.058
0.500		0.052	0.0	-1.046	0.078	1.176	-1.072
0.750		0.052	0.0	-1.724	-2.586	4.361	-4.258
1.000		0.052	0.0	-2.402	-5.249	7.703	-7.600

MEMBER 50

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	90.334	0.0	-2.833	59.978	153.144	27.523
0.250		90.334	0.0	-3.042	41.610	134.986	45.681
0.500		90.334	0.0	-3.251	23.243	116.828	63.839
0.750		90.334	0.0	-3.461	4.876	98.670	81.997
1.000		90.334	0.0	-3.670	-15.492	107.495	73.172

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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U.O	FR	-230,768	0.0	0.0	-121,985	61,165	-47,657	-413,878
0.250	38,959	0.0	0.0	-91,943	37,650	-101,175	-360,361	
0.500	38,959	0.0	0.0	-61,941	14,134	-154,695	-306,845	
0.750	38,959	0.0	0.0	-31,939	-9,382	-189,447	-272,089	
1.000	38,959	0.0	0.0	-1,937	-32,897	-195,933	-265,602	

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	38,959	0.0	0.0	-523,302	-10,077	572,338	-494,420
0.250		38,959	0.0	0.0	-259,200	-6,914	305,073	-227,155
0.500		38,959	0.0	0.0	4,902	-5,752	47,612	30,506
0.750		38,959	0.0	0.0	269,003	-0,589	308,551	-230,633
1.000		38,959	0.0	0.0	533,105	2,574	574,638	-496,720

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	33,314	0.0	0.0	-8,409	-7,206	48,929	17,699
0.250		33,314	0.0	0.0	-6,296	-4,411	44,021	22,607
0.500		33,314	0.0	0.0	-4,183	-1,616	39,113	27,516
0.750		33,314	0.0	0.0	-2,070	1,179	36,563	30,065
1.000		33,314	0.0	0.0	0,043	3,974	37,332	29,297

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-49,457	0.0	0.0	-51,084	1,639	3,267	-102,180
0.250		-49,457	0.0	0.0	-38,194	-0,190	-11,073	-87,840
0.500		-49,457	0.0	0.0	-25,303	-2,019	-22,135	-76,774
0.750		-49,457	0.0	0.0	-12,412	-3,848	-33,197	-65,717
1.000		-49,457	0.0	0.0	0,479	-5,677	-43,301	-55,613

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	90.398	0.0	0.0	-3.394	-6.835	100.627	80.169
0.250		90.398	0.0	0.0	-4.402	-4.951	100.150	80.645
0.500		90.398	0.0	0.0	-6.210	-3.066	99.674	81.121
0.750		90.398	0.0	0.0	-7.618	-1.182	99.198	81.598
1.000		90.398	0.0	0.0	-9.026	0.702	100.126	80.670

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-214.699	0.0	0.0	-4.759	-22.931	-187.010	-242.388
0.250		-214.699	0.0	0.0	25.100	-20.836	-168.762	-260.635
0.500		-214.699	0.0	0.0	54.959	-14.742	-140.998	-286.400
0.750		-214.699	0.0	0.0	84.818	-16.648	-113.233	-316.165
1.000		-214.699	0.0	0.0	114.677	-14.554	-85.468	-343.930

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	38.991	0.0	0.0	532.863	-0.637	572.492	-494.509
0.250		38.991	0.0	0.0	272.021	0.520	311.533	-233.551
0.500		38.991	0.0	0.0	11.180	1.678	51.850	26.133
0.750		38.991	0.0	0.0	-249.662	2.836	291.489	-213.507
1.000		38.991	0.0	0.0	-510.503	3.994	553.488	-475.506

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	33.432	0.0	0.0	-0.196	-2.023	35.651	31.212

0.250	33.432	0.0	0.0	1.500	1.208	36.139	30.723
0.500	33.432	0.0	0.0	3.196	4.439	41.067	25.796
0.750	33.432	0.0	0.0	4.892	7.670	45.994	20.869
1.000	33.432	0.0	0.0	6.588	10.901	50.921	15.942

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-49.467	0.0	-0.809	-8.959	-39.658	-59.276
0.250		-49.467	0.0	12.004	-4.077	-33.386	-65.548
0.500		-49.467	0.0	24.857	0.805	-23.804	-75.129
0.750		-49.467	0.0	37.710	5.687	-6.069	-92.865
1.000		-49.467	0.0	50.564	10.570	11.667	-110.600

MEMBER 52

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	144.135	0.0	-103.281	-6.379	253.795	34.474
0.250		144.135	0.0	-76.129	-7.702	229.966	58.304
0.500		144.135	0.0	-52.977	-9.025	206.136	82.133
0.750		144.135	0.0	-27.825	-10.347	182.307	105.963
1.000		144.135	0.0	-2.673	-11.670	158.477	129.792

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	196.734	0.0	-54.346	-26.734	277.813	115.654
0.250		196.734	0.0	-40.207	-19.943	256.884	136.584
0.500		196.734	0.0	-26.068	-13.152	235.954	157.513
0.750		196.734	0.0	-11.930	-6.361	215.025	178.443
1.000		196.734	0.0	2.209	0.430	199.372	194.095

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	25.110	0.0	0.0	520.255	0.044	545.409	-495.190
0.250		25.110	0.0	0.0	257.097	0.626	282.833	-232.613
0.500		25.110	0.0	0.0	-6.062	1.297	32.469	17.751
0.750		25.110	0.0	0.0	-269.220	1.968	296.298	-246.078
1.000		25.110	0.0	0.0	-532.379	2.638	560.127	-509.907

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	40.660	0.0	0.0	-33.679	9.811	84.151	-2.831
0.250		40.660	0.0	0.0	-25.655	6.008	72.322	8.997
0.500		40.660	0.0	0.0	-17.630	2.204	60.494	20.826
0.750		40.660	0.0	0.0	-9.605	-1.599	51.864	29.456
1.000		40.660	0.0	0.0	-1.580	-5.403	47.643	33.677

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	53.637	0.0	0.0	-14.697	8.948	77.482	29.793
0.250		53.637	0.0	0.0	-11.228	5.214	70.079	37.196
0.500		53.637	0.0	0.0	-7.558	1.480	62.676	44.599
0.750		53.637	0.0	0.0	-3.889	-2.254	59.780	47.495
1.000		53.637	0.0	0.0	-0.220	-5.987	59.844	47.430

MEMBER 53

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	130.076	0.0	0.0	-4.882	-35.488	170.487	89.706
0.250		130.076	0.0	0.0	19.561	-12.601	162.439	97.714
0.500		130.076	0.0	0.0	44.004	9.886	183.966	76.167
0.750		130.076	0.0	0.0	68.447	32.573	231.096	29.057
1.000		130.076	0.0	0.0	92.889	55.260	278.226	-18.073

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	188.964	0.0	0.0	0.571	4.072	193.607	184.321
0.250		188.964	0.0	0.0	15.674	-5.571	210.209	167.718
0.500		188.964	0.0	0.0	30.777	-15.215	234.955	142.972
0.750		188.964	0.0	0.0	45.880	-24.858	259.702	118.226
1.000		188.964	0.0	0.0	60.983	-34.502	284.448	93.479

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	25.060	0.0	0.0	-532.123	4.801	561.983	-511.863
0.250		25.060	0.0	0.0	-270.491	1.464	297.015	-246.895
0.500		25.060	0.0	0.0	-8.860	-1.873	35.793	14.327
0.750		25.060	0.0	0.0	252.771	-5.210	283.041	-232.920
1.000		25.060	0.0	0.0	514.402	-8.546	548.009	-497.888

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	40.631	0.0	0.0	-2.044	-5.497	48.172	33.090
0.250		40.631	0.0	0.0	5.780	-3.550	49.922	31.340
0.500		40.631	0.0	0.0	13.525	-1.604	55.760	25.502
0.750		40.631	0.0	0.0	21.310	0.343	62.284	18.978
1.000		40.631	0.0	0.0	29.094	2.290	72.015	9.247

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	53.756	0.0	0.0	-0.452	-0.856	55.064	52.448
0.250		53.756	0.0	0.0	3.566	-2.887	60.209	47.303
0.500		53.756	0.0	0.0	7.584	-4.918	66.258	43.254
0.750		53.756	0.0	0.0	11.602	-6.949	72.307	35.205
1.000		53.756	0.0	0.0	15.620	-8.980	78.357	29.156

MEMBER 54

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-225.168	0.0	0.0	105.527	56.607	-63.035	-387.301
0.250		-225.168	0.0	0.0	78.776	42.956	-103.435	-346.900
0.500		-225.168	0.0	0.0	52.026	29.306	-183.836	-306.499
0.750		-225.168	0.0	0.0	25.275	15.655	-184.237	-266.098
1.000		-225.168	0.0	0.0	-1.475	2.005	-221.688	-228.647

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	17.026	0.0	0.0	-52.083	74.184	143.293	-109.241
0.250		17.026	0.0	0.0	-37.908	45.537	100.471	-66.419
0.500		17.026	0.0	0.0	-23.732	16.890	57.649	-23.597
0.750		17.026	0.0	0.0	-9.557	-11.756	38.340	-4.287
1.000		17.026	0.0	0.0	4.618	-40.403	62.048	-27.995

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	28.375	0.0	-512.439	-14.426	555.242	-496.492
0.250		28.375	0.0	-251.412	-9.264	289.051	-232.302
0.500		28.375	0.0	9.615	-4.100	42.090	14.660
0.750		28.375	0.0	270.642	3.064	300.080	-243.330
1.000		28.375	0.0	531.669	6.226	566.271	-509.521

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-58.016	0.0	44.828	-8.514	-4.675	-111.360
0.250		-58.016	0.0	33.480	-8.271	-20.267	-95.769
0.500		-58.016	0.0	22.131	-0.029	-35.656	-60.177
0.750		-58.016	0.0	10.783	4.214	-43.020	-73.015
1.000		-58.016	0.0	-0.566	6.457	-48.995	-67.041

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	11.393	0.0	-12.569	1.722	25.684	-2.698
0.250		11.393	0.0	-9.021	0.545	20.959	1.827
0.500		11.393	0.0	-5.472	-0.631	17.496	5.290
0.750		11.393	0.0	-1.924	-1.807	15.124	7.662
1.000		11.393	0.0	1.625	-2.984	16.002	6.784

MEMBER 55

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-258.780	0.0	1.165	24.174	-213.422	-264.138
0.250		-258.780	0.0	-25.107	7.096	-206.576	-270.983

0.500	-238,780	0.0	0.0	-51,399	-9,982	-177,399	-300,161
0.750	-238,780	0.0	0.0	-77,691	-27,059	-134,030	-343,531
1.000	-238,780	0.0	0.0	-105,983	-44,137	-90,660	-586,900

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	25,503	0.0	3,552	-21,284	50,338	0,668
0.250		25,503	0.0	18,834	-7,206	51,543	-0,537
0.500		25,503	0.0	34,117	6,872	66,491	-15,485
0.750		25,503	0.0	49,399	20,949	95,851	-44,845
1.000		25,503	0.0	64,681	35,027	125,211	-74,205

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	28,289	0.0	531,891	2,068	562,247	-505,669
0.250		28,289	0.0	268,127	2,335	298,750	-282,173
0.500		28,289	0.0	4,364	2,601	35,254	21,324
0.750		28,289	0.0	-259,400	2,868	290,557	-233,979
1.000		28,289	0.0	-525,163	3,135	554,587	-498,009

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-57,984	0.0	0,667	6,793	-50,525	-65,483
0.250		-57,984	0.0	-10,517	4,522	-42,946	-73,023
0.500		-57,984	0.0	-21,700	2,252	-34,033	-81,935
0.750		-57,984	0.0	-52,883	-0,019	-25,083	-90,886
1.000		-57,984	0.0	-44,066	-2,289	-11,659	-104,339

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-57,984	0.0	0,667	6,793	-50,525	-65,483
0.250		-57,984	0.0	-10,517	4,522	-42,946	-73,023
0.500		-57,984	0.0	-21,700	2,252	-34,033	-81,935
0.750		-57,984	0.0	-52,883	-0,019	-25,083	-90,886
1.000		-57,984	0.0	-44,066	-2,289	-11,659	-104,339

MEMBER	50	FR	0.0	0.250	0.500	0.750	1.000
AXIAL	11.885	11.885	11.885	11.885	11.885	11.885	11.885
Y SHEAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Z SHEAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Y BENDING	1.583	5.477	9.812	15.546	17.281		
Z BENDING	-2.889	0.183	2.856	5.528	8.201		
MAX NORMAL	15.877	17.105	23.712	30.319	36.927		
MIN NORMAL	7.413	5.784	-0.823	-7.430	-14.037		

MEMBER 50

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	0.0	0.0	-1.262	4.611	-3.189	-14.975
0.250		0.0	0.0	-3.795	-0.308	-4.980	-13.184
0.500		0.0	0.0	-6.307	-5.228	2.451	-20.615
0.750		0.0	0.0	-8.819	-10.145	9.882	-28.046
1.000		0.0	0.0	-11.332	-15.064	17.513	-35.877

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	0.0	0.0	12.007	16.798	45.483	-12.248
0.250		0.0	0.0	10.213	7.211	34.042	-0.807
0.500		0.0	0.0	8.558	-2.375	27.350	5.684
0.750		0.0	0.0	6.504	-11.961	35.062	-1.867
1.000		0.0	0.0	4.649	-21.547	42.618	-9.579

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	0.0	0.0	1.019	-3.709	4.712	-4.745
0.250		0.0	0.0	0.411	-1.705	2.100	-2.132
0.500		0.0	0.0	-0.197	0.500	0.480	-0.513
0.750		0.0	0.0	-0.605	2.304	3.093	-3.125

1.000 -0.016 0.0 0.0 -1.615 4.308 5.705 -5.730

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.193	0.0	0.983	-6.278	7.454	-7.068
0.250		0.193	0.0	-0.576	-3.825	4.593	-4.208
0.500		0.193	0.0	-2.115	-1.371	3.699	-3.314
0.750		0.193	0.0	-3.694	1.082	4.969	-4.584
1.000		0.193	0.0	-5.254	3.535	8.982	-8.596

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.055	0.0	5.678	-1.328	7.062	-6.951
0.250		0.055	0.0	4.355	-1.264	5.674	-5.563
0.500		0.055	0.0	3.031	-1.199	4.286	-4.175
0.750		0.055	0.0	1.707	-1.135	2.897	-2.787
1.000		0.055	0.0	0.384	-1.070	1.509	-1.399

MEMBER 57

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-9.715	0.0	-1.078	-8.086	-0.550	-18.879
0.250		-9.715	0.0	1.541	-1.471	-6.702	-12.727
0.500		-9.715	0.0	4.181	5.188	-0.410	-19.019
0.750		-9.715	0.0	6.781	11.759	8.825	-28.254
1.000		-9.715	0.0	9.400	18.374	18.059	-37.489

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	12.066	-2.212	-1.823	-29.981
0.250		0.0	0.0	10.824	-3.523	-1.355	-30.049
0.500		0.0	0.0	4.581	-4.834	-1.287	-30.117
0.750		0.0	0.0	8.338	-6.145	-1.219	-30.185
1.000		0.0	0.0	7.096	-7.456	-1.151	-30.253

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	1.048	2.416	3.409	-3.518
0.250		0.0	0.0	0.628	1.947	0.526	-2.056
0.500		0.0	0.0	0.209	0.330	0.485	-0.593
0.750		0.0	0.0	-0.210	-0.713	0.869	-0.977
1.000		0.0	0.0	-0.629	-1.756	2.331	-2.480

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	1.061	5.161	6.056	-6.389
0.250		0.0	0.0	1.268	3.546	4.668	-5.001
0.500		0.0	0.0	1.515	1.931	3.280	-3.613
0.750		0.0	0.0	1.743	0.316	1.892	-2.225
1.000		0.0	0.0	1.970	-1.299	3.102	-3.835

LOADING 6 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	5.681	4.932	10.799	-10.827
0.250		0.0	0.0	4.516	2.175	6.079	-6.506
0.500		0.0	0.0	3.355	-0.583	4.123	-3.751
0.750		0.0	0.0	2.191	-5.340	5.718	-5.345
1.000		0.0	0.0	1.028	-6.097	7.312	-6.939

MEMBER 58

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	18.753	0.0	-11.430	-27.220	57.404	-19.697
0.250		18.753	0.0	-10.949	-13.651	43.354	-5.687
0.500		18.753	0.0	-10.467	-0.083	29.303	8.203
0.750		18.753	0.0	-9.986	13.486	42.226	-4.719
1.000		18.753	0.0	-9.505	27.055	55.314	-17.607

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.641	0.0	4.479	-14.920	18.558	-20.239
0.250		-0.641	0.0	1.628	-11.063	11.850	-13.532
0.500		-0.641	0.0	-1.222	-7.206	7.587	-9.268
0.750		-0.641	0.0	-4.073	-3.349	6.580	-8.262
1.000		-0.641	0.0	-6.923	0.508	6.591	-8.272

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.232	0.0	-0.487	3.626	4.345	-3.682
0.250		0.232	0.0	0.025	2.128	2.384	-1.921
0.500		0.232	0.0	0.537	0.629	1.398	-0.935
0.750		0.232	0.0	1.049	-0.869	2.150	-1.687
1.000		0.232	0.0	1.561	-2.368	4.160	-3.697

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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0.250	434.225	0.0	0.0	-52.270	27.475	513.969	354.480
0.500	434.225	0.0	0.0	48.697	-2.236	481.158	387.291
0.750	434.225	0.0	0.0	141.663	-31.967	607.635	260.614
1.000	434.225	0.0	0.0	238.630	-61.658	734.513	133.936

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	28.665	-5.368	14.999	-45.107
0.250		0.0	0.0	10.368	-2.458	-2.208	-27.900
0.500		0.0	0.0	-3.688	0.472	-10.693	-19.414
0.750		0.0	0.0	-18.165	3.402	6.513	-36.621
1.000		0.0	0.0	-32.441	6.333	23.720	-55.828

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	4.822	-3.077	-1.113	-16.910
0.250		0.0	0.0	0.698	-1.647	-6.467	-11.556
0.500		0.0	0.0	-3.026	-0.217	-5.768	-12.255
0.750		0.0	0.0	-6.950	1.212	-0.649	-17.174
1.000		0.0	0.0	-10.874	2.642	4.504	-22.527

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-33.002	1.171	33.576	67.229
0.250		0.0	0.0	-15.762	1.060	116.225	66.580
0.500		0.0	0.0	5.478	0.949	107.830	94.975
0.750		0.0	0.0	28.718	0.838	126.959	75.806
1.000		0.0	0.0	43.958	0.727	146.088	56.717

MEMBER 60

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-370.708	0.0	0.0	-113.996	60.499	-196.214	-545.202
0.250	-370.708	0.0	0.0	-45.251	15.390	-310.066	-431.350
0.500	-370.708	0.0	0.0	23.493	-29.718	-317.498	-423.918
0.750	-370.708	0.0	0.0	92.237	-74.826	-203.645	-537.771
1.000	-370.708	0.0	0.0	160.981	-119.934	-89.793	-651.623

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-214.327	0.0	0.0	-62.879	33.544	-117.904	-310.750
0.250	-214.327	0.0	0.0	-21.798	8.649	-183.879	-244.774
0.500	-214.327	0.0	0.0	19.282	-16.246	-178.798	-249.855
0.750	-214.327	0.0	0.0	60.363	-41.141	-112.822	-515.831
1.000	-214.327	0.0	0.0	101.444	-66.036	-46.846	-381.607

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.000	0.0	0.0	-13.925	10.010	24.595	-23.274
0.250	0.000	0.0	0.0	-5.245	4.064	12.989	-11.668
0.500	0.000	0.0	0.0	-2.604	-1.883	5.147	-3.826
0.750	0.000	0.0	0.0	3.056	11.545	11.545	-10.224
1.000	0.000	0.0	0.0	8.716	-13.775	23.152	-21.831

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-97.812	0.0	0.0	-26.717	26.134	-44.962	-150.663
0.250	-97.812	0.0	0.0	-11.652	10.106	-76.055	-119.370
0.500	-97.812	0.0	0.0	3.414	-5.922	-88.477	-107.148

0.750	-97.812	0.0	0.0	19.479	-21.950	-57.383	-138.241
1.000	-97.812	0.0	0.0	33.545	-37.978	-26.290	-169.335

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-57.757	0.0	0.0	-14.450	16.351	-26.755	-88.758
0.500	-57.757	0.0	0.0	-5.546	6.396	-45.815	-69.698
0.750	-57.757	0.0	0.0	3.358	-3.760	-50.639	-64.875
1.000	-57.757	0.0	0.0	12.262	-13.916	-31.579	-83.935
				21.167	-24.072	-12.519	-102.995

MEMBER 61

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	375.278	0.0	0.0	131.953	29.883	537.114	213.883
0.500	375.278	0.0	0.0	50.312	4.169	429.759	320.797
0.750	375.278	0.0	0.0	-31.328	-21.546	428.152	322.404
1.000	375.278	0.0	0.0	-112.968	-47.681	535.507	215.089
				-194.609	-72.975	642.862	107.694

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-208.447	0.0	0.0	-58.737	-44.922	-104.788	-312.108
0.500	-208.447	0.0	0.0	-22.130	-17.192	-169.128	-247.769
0.750	-208.447	0.0	0.0	14.477	10.338	-183.432	-233.463
1.000	-208.447	0.0	0.0	51.084	38.289	-119.095	-297.800
				87.691	65.999	-50.757	-362.137

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-2.215	0.0	0.0	-16.604	-6.181	20.570	-25.001
0.250		-2.215	0.0	0.0	-7.365	-3.940	9.089	-13.520
0.500		-2.215	0.0	0.0	1.674	-1.698	1.557	-5.788
0.750		-2.215	0.0	0.0	11.113	0.543	9.441	-13.871
1.000		-2.215	0.0	0.0	20.352	2.785	20.921	-25.352

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	92.527	0.0	0.0	24.126	18.106	134.759	50.294
0.250		92.527	0.0	0.0	10.080	6.432	109.038	76.015
0.500		92.527	0.0	0.0	-5.967	-5.243	101.736	83.317
0.750		92.527	0.0	0.0	-14.013	-16.917	127.457	57.596
1.000		92.527	0.0	0.0	-32.060	-28.592	153.178	31.875

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-57.529	0.0	0.0	-20.559	-11.094	-25.877	-69.181
0.250		-57.529	0.0	0.0	-8.246	-5.532	-43.950	-71.107
0.500		-57.529	0.0	0.0	4.066	0.429	-53.033	-62.024
0.750		-57.529	0.0	0.0	16.379	6.190	-34.960	-80.094
1.000		-57.529	0.0	0.0	28.691	11.951	-16.886	-98.172

MEMBER 62

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-78.491	0.0	0.0	15.594	79.286	16.390
0.250		-78.491	0.0	0.0	-19.731	49.495	-173.372
0.500		-78.491	0.0	0.0	-2.936	19.704	-137.251
0.750		-78.491	0.0	0.0	3.593	-10.067	-101.131
1.000		-78.491	0.0	0.0	9.723	-39.879	-91.972
						-28.690	-128.092

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-209.731	0.0	0.0	-396.443	90.257	276.969
0.250		-209.731	0.0	0.0	-198.205	43.569	32.042
0.500		-209.731	0.0	0.0	0.034	-3.119	-206.578
0.750		-209.731	0.0	0.0	198.272	-49.608	38.349
1.000		-209.731	0.0	0.0	396.511	285.496	285.275
							-696.432
							-451.505
							-212.804
							-457.811
							-702.738

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	5.943	0.0	0.0	6.637	-10.404	22.984
0.250		5.943	0.0	0.0	-0.720	-6.229	12.892
0.500		5.943	0.0	0.0	-8.078	-2.054	16.074
0.750		5.943	0.0	0.0	-15.435	2.122	23.499
1.000		5.943	0.0	0.0	-22.792	6.297	35.032
							-11.098
							-1.007
							-4.188
							-11.613
							-23.146

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-17.122	0.0	0.0	1.644	-3.530	-11.947
0.250		-17.122	0.0	0.0	-0.675	-0.457	-15.989
0.500		-17.122	0.0	0.0	2.995	2.616	-11.511
0.750		-17.122	0.0	0.0	-5.315	5.688	-6.118
1.000		-17.122	0.0	0.0	-7.635	8.761	-0.726
							-22.297
							-18.255
							-22.733
							-28.126
							-33.518

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-49.243	0.0	0.0	-80.978	4.488	36.223	-134.709
0.250			-49.243	0.0	0.0	-41.332	1.784	-6.127	-92.359
0.500			-49.243	0.0	0.0	-1.686	-0.920	-46.637	-51.650
0.750			-49.243	0.0	0.0	37.960	-3.624	-7.660	-90.627
1.000			-49.243	0.0	0.0	77.606	-6.528	24.690	-133.176

MEMBER 63

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		225.656	0.0	0.0	-350.257	-33.677	609.589	-158.278
0.250			225.656	0.0	0.0	-177.384	-15.891	418.931	32.360
0.500			225.656	0.0	0.0	-4.512	1.694	232.061	219.250
0.750			225.656	0.0	0.0	168.361	19.679	413.695	37.616
1.000			225.656	0.0	0.0	341.234	37.464	604.354	-153.042

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		32.103	0.0	0.0	-193.264	-16.241	241.609	-177.002
0.250			32.103	0.0	0.0	-95.045	-21.452	149.600	-84.393
0.500			32.103	0.0	0.0	3.174	-26.662	61.940	2.267
0.750			32.103	0.0	0.0	101.393	-31.873	165.370	-101.163
1.000			32.103	0.0	0.0	199.613	-37.084	268.800	-204.593

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.008	0.0	17.093	2.620	20.720	-18.705
0.250		1.008	0.0	11.892	0.982	13.681	-11.666
0.500		1.008	0.0	6.291	-0.656	7.955	-5.940
0.750		1.008	0.0	0.890	-2.294	4.192	-2.177
1.000		1.008	0.0	-4.511	-3.932	9.451	-7.455

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	52.274	0.0	-65.113	5.393	120.779	-16.231
0.250		52.274	0.0	-30.619	3.065	85.957	18.590
0.500		52.274	0.0	1.875	0.737	54.886	49.662
0.750		52.274	0.0	34.368	-1.591	88.233	16.314
1.000		52.274	0.0	66.862	-3.919	123.055	-18.507

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	7.539	0.0	-33.364	5.542	46.485	-31.367
0.250		7.539	0.0	-15.309	1.210	24.058	-8.980
0.500		7.539	0.0	-3.746	-3.122	13.407	1.671
0.750		7.539	0.0	20.801	-7.455	35.795	-20.717
1.000		7.539	0.0	38.856	-11.787	58.182	-43.104

MEMBER 64

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-158.250	0.0	337.990	126.747	306.487	-622.987
0.250		-158.250	0.0	167.407	72.280	81.437	-397.937
0.500		-158.250	0.0	-3.174	17.813	-137.262	-179.237
0.750		-158.250	0.0	-173.756	-36.654	52.160	-368.660

1.000 -150.250 0.0 0.0 -344.330 -91.121 277.209 -593.709

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	172.610	0.0	-105.607	43.382	401.600	-56.579
0.250		172.610	0.0	-90.660	33.463	296.733	48.488
0.500		172.610	0.0	-4.486	23.543	200.639	188.582
0.750		172.610	0.0	99.633	13.623	285.866	59.355
1.000		172.610	0.0	194.780	3.703	371.093	-25.672

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-3.479	0.0	-2.018	-11.747	10.287	-17.245
0.250		-3.479	0.0	-3.921	-6.572	7.014	-13.973
0.500		-3.479	0.0	-5.824	-1.398	3.742	-10.700
0.750		-3.479	0.0	-7.726	3.777	6.024	-14.982
1.000		-3.479	0.0	-9.629	6.952	15.102	-22.060

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-38.597	0.0	76.369	6.113	45.905	-123.099
0.250		-38.597	0.0	37.721	4.996	4.120	-81.314
0.500		-38.597	0.0	-0.948	1.879	-35.771	-41.624
0.750		-38.597	0.0	-39.616	-1.238	2.257	-79.951
1.000		-38.597	0.0	-78.284	-4.355	44.042	-121.236

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	37.964	0.0	-36.369	-0.082	74.416	1.513
0.250		37.964	0.0	-18.840	1.060	57.865	18.064

0.500	37.968	0.0	0.0	-1.312	2.202	61.478	36.450
0.750	37.968	0.0	0.0	16.217	3.385	57.526	16.402
1.000	37.968	0.0	0.0	33.746	4.487	76.198	60.269

MEMBER 65

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	249.304	0.0	0.0	40.799	167.777	477.680	20.727
0.250	249.304	0.0	0.0	23.469	135.148	407.920	90.687
0.500	249.304	0.0	0.0	6.138	82.518	337.960	160.687
0.750	249.304	0.0	0.0	-11.192	29.889	290.385	208.222
1.000	249.304	0.0	0.0	-28.523	-22.740	500.566	198.041

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-333.703	0.0	0.0	-354.732	243.407	264.437	-931.642
0.250	-333.703	0.0	0.0	-260.456	151.314	78.067	-745.472
0.500	-333.703	0.0	0.0	-166.180	59.220	-108.302	-559.103
0.750	-333.703	0.0	0.0	-71.904	-32.873	-228.925	-436.480
1.000	-333.703	0.0	0.0	22.372	-124.967	-186.364	-681.041

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-222.965	0.0	0.0	-18.534	-45.713	-158.716	-287.212
0.250	-222.965	0.0	0.0	-8.052	-27.102	-187.611	-256.119
0.500	-222.965	0.0	0.0	2.429	-8.491	-212.045	-233.885
0.750	-222.965	0.0	0.0	12.910	10.120	-199.934	-245.986
1.000	-222.965	0.0	0.0	23.392	28.731	-170.842	-275.088

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-29,547	0.0	0.0	2,505	0.671	-26,370	-32,723
0.250		-29,547	0.0	0.0	2,264	1,768	-25,495	-33,599
0.500		-29,547	0.0	0.0	2,023	2,904	-24,619	-34,874
0.750		-29,547	0.0	0.0	1,782	4,021	-23,744	-35,350
1.000		-29,547	0.0	0.0	1,542	5,137	-22,868	-36,223

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-71,094	0.0	0.0	-38,729	3,964	-20,400	-113,780
0.250		-71,094	0.0	0.0	-26,672	2,782	-41,640	-100,588
0.500		-71,094	0.0	0.0	-14,615	1,599	-54,680	-87,308
0.750		-71,094	0.0	0.0	-2,558	0,416	-68,120	-74,069
1.000		-71,094	0.0	0.0	9,499	-0,767	-60,629	-61,360

MEMBER 66

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	253,199	0.0	0.0	-29,826	2,543	285,167	221,230
0.250		253,199	0.0	0.0	-18,227	-12,547	263,972	222,425
0.500		253,199	0.0	0.0	-7,928	-27,656	287,663	218,534
0.750		253,199	0.0	0.0	4,171	-42,726	300,095	206,302
1.000		253,199	0.0	0.0	15,369	-57,616	326,304	180,014

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-321.543	0.0	0.0	-21.290	-91.800	-208.453	-434.633
0.500	-321.543	0.0	0.0	75.425	-77.846	-168.273	-478.614
0.750	-321.543	0.0	0.0	172.140	-63.691	-85.512	-557.574
1.000	-321.543	0.0	0.0	368.854	-49.937	-2.752	-640.334
				565.569	-35.983	80.008	-723.095

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-223.006	0.0	0.0	19.706	24.941	-178.360	-267.652
0.500	-223.006	0.0	0.0	18.230	12.338	-192.439	-253.573
0.750	-223.006	0.0	0.0	16.754	-0.265	-205.987	-240.025
1.000	-223.006	0.0	0.0	15.278	-12.868	-194.860	-251.152
				13.802	-25.472	-183.733	-262.279

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-29.156	0.0	0.0	0.451	1.911	-26.793	-31.518
0.500	-29.156	0.0	0.0	3.297	2.769	-23.089	-35.222
0.750	-29.156	0.0	0.0	6.143	3.627	-19.386	-38.926
1.000	-29.156	0.0	0.0	8.989	4.485	-15.682	-42.630
				11.835	5.343	-11.978	-46.334

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-71.950	0.0	0.0	2.107	-0.922	-68.921	-74.980
0.500	-71.950	0.0	0.0	14.528	-2.287	-55.135	-88.765
0.750	-71.950	0.0	0.0	26.948	-3.652	-41.350	-102.550
1.000	-71.950	0.0	0.0	39.369	-5.016	-27.565	-116.335
				51.789	-6.381	-13.780	-130.120

MEMBER 07

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	385.209	0.0	-319.215	-96.806	801.231	-30.812
0.250		385.209	0.0	-236.721	-77.776	699.706	70.713
0.500		385.209	0.0	-154.227	-58.745	598.182	172.237
0.750		385.209	0.0	-71.734	-39.714	496.657	273.761
1.000		385.209	0.0	10.760	-20.683	416.653	353.766

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	501.795	0.0	-235.556	-79.435	816.784	186.887
0.250		501.795	0.0	-168.390	-67.684	737.669	265.721
0.500		501.795	0.0	-101.226	-55.935	658.955	344.636
0.750		501.795	0.0	-34.062	-44.182	580.080	423.551
1.000		501.795	0.0	33.102	-32.432	507.320	436.262

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-186.604	0.0	22.457	33.240	-130.907	-242.300
0.250		-186.604	0.0	11.856	17.293	-157.455	-215.752
0.500		-186.604	0.0	1.255	1.345	-184.004	-189.204
0.750		-186.604	0.0	-9.346	-14.602	-162.656	-210.552
1.000		-186.604	0.0	-19.947	-30.549	-156.107	-237.100

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	30.436	-76.304
0.250		0.0	0.0	-37.162	16.208	15.371	-61.230
0.500		0.0	0.0	-29.153	9.153	0.307	-46.175
0.750		0.0	0.0	-21.144	2.097	-4.840	-41.028
1.000		0.0	0.0	-13.135	-4.959	-5.794	-40.074

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	STRESS	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	19.044	-39.950
0.250		-26.070	5.427	9.745	-30.651
0.500		-19.542	0.656	4.678	-25.584
0.750		-13.015	-2.116	0.922	-21.828
1.000		-6.487	-4.888	-2.753	-18.152

MEMBER 68

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	547.006	179.999
0.250		0.0	0.0	-82.595	-181.109	463.610	263.395
0.500		0.0	0.0	55.363	-44.744	568.244	158.781
0.750		0.0	0.0	153.121	51.620	762.387	-35.362
1.000		0.0	0.0	250.880	147.985	956.490	-229.685

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	550.223	449.360
0.250		0.0	0.0	6.299	-42.132	589.240	410.344
0.500		0.0	0.0	50.233	-39.216	628.257	371.327

0.750 499,792 0.0 0.0 130,100 -33,392 667,274 332,310
 1.000 499,792 0.0 0.0 176,034 -30,865 706,291 293,292

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-186,462	0.0	-14,067	-21,966	-150,430	-222,495
0.250		-186,462	0.0	-13,886	-13,297	-159,329	-213,595
0.500		-186,462	0.0	-13,626	4,606	-168,229	-204,696
0.750		-186,462	0.0	-13,405	4,072	-168,986	-203,939
1.000		-186,462	0.0	-13,185	12,751	-160,527	-212,398

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-22,707	0.0	-9,506	-13,340	0.139	-45,552
0.250		-22,707	0.0	-0,083	-7,107	-15,517	-29,896
0.500		-22,707	0.0	9,341	-0,874	-12,492	-32,421
0.750		-22,707	0.0	18,764	5,359	1,416	-46,829
1.000		-22,707	0.0	28,187	11,592	17,072	-62,486

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-9,530	0.0	-1,430	-2,630	-4,970	-14,090
0.250		-9,530	0.0	2,010	-5,644	-1,676	-17,184
0.500		-9,530	0.0	5,949	-8,658	5,077	-24,137
0.750		-9,530	0.0	9,889	-11,672	12,031	-31,091
1.000		-9,530	0.0	13,828	-14,686	18,984	-38,044

MEMBER 69

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FM	0.0	0.0	293.982	168.702	12.359	-913.009
	0.250		0.0	0.0	223.504	138.183	-88.837	-811.813
	0.500		0.0	0.0	152.627	107.664	-190.038	-710.616
	0.750		0.0	0.0	81.949	77.145	-291.231	-609.419
	1.000		0.0	0.0	11.271	46.627	-392.427	-508.222

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FM	0.0	0.0	-191.949	264.854	390.893	-522.714
	0.250		0.0	0.0	-135.529	172.791	282.210	-374.031
	0.500		0.0	0.0	-78.709	80.728	93.527	-225.348
	0.750		0.0	0.0	-22.089	-11.535	-32.487	-99.334
	1.000		0.0	0.0	34.532	-103.598	72.019	-203.840

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-8.128	12.356	-136.997	-177.964
	0.250		0.0	0.0	-1.876	1.746	-153.859	-161.102
	0.500		0.0	0.0	4.577	-8.864	-144.240	-170.721
	0.750		0.0	0.0	10.629	-19.473	-127.378	-187.583
	1.000		0.0	0.0	16.882	-30.083	-110.516	-204.885

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	41.216	12.713	-17.426	-125.285
	0.250		0.0	0.0	32.005	8.674	-30.677	-112.034
	0.500		0.0	0.0	22.794	4.634	-43.928	-98.783
	0.750		0.0	0.0	13.583	0.594	-57.179	-85.533
	1.000		0.0	0.0	4.372	-3.446	-63.538	-79.175

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-13.051	19.461	-8.675	-73.701
0.250		0.0	0.0	-7.250	10.845	-23.093	-59.283
0.500		0.0	0.0	-1.448	2.229	-37.511	-44.865
0.750		0.0	0.0	4.354	-6.387	-30.448	-51.929
1.000		0.0	0.0	10.155	-15.003	-16.030	-66.346

MEMBER 70

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	46.579	146.601	-265.953	-652.713
0.250		0.0	0.0	-37.363	50.572	-371.397	-547.268
0.500		0.0	0.0	-121.306	-45.657	-292.370	-626.295
0.750		0.0	0.0	-205.248	-141.866	-112.199	-806.467
1.000		0.0	0.0	-289.190	-230.115	67.972	-986.630

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	13.713	-3.941	-31.895	-67.204
0.250		0.0	0.0	42.665	1.446	5.439	-93.660
0.500		0.0	0.0	71.616	6.832	26.899	-127.998
0.750		0.0	0.0	100.568	12.219	63.258	-162.337
1.000		0.0	0.0	129.520	17.606	97.576	-196.676

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-158.002	0.0	0.0	17.253	-35.081	-105.669	-210.336
0.250	-158.002	0.0	0.0	11.756	-15.856	-130.391	-185.614
0.500	-158.002	0.0	0.0	6.259	3.369	-148.374	-167.631
0.750	-158.002	0.0	0.0	0.763	22.595	-134.645	-181.360
1.000	-158.002	0.0	0.0	-4.734	41.820	-111.449	-204.556

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-70.731	0.0	0.0	10.471	-1.371	-58.689	-82.574
0.250	-70.731	0.0	0.0	-0.412	-0.348	-69.971	-71.492
0.500	-70.731	0.0	0.0	-11.296	0.675	-58.761	-82.702
0.750	-70.731	0.0	0.0	-22.180	1.697	-46.854	-94.608
1.000	-70.731	0.0	0.0	-33.063	2.720	-34.948	-106.515

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-41.252	0.0	0.0	7.592	-13.471	-20.189	-62.315
0.250	-41.252	0.0	0.0	10.442	-5.490	-27.320	-55.184
0.500	-41.252	0.0	0.0	13.293	6.492	-21.467	-61.036
0.750	-41.252	0.0	0.0	16.143	16.473	-8.636	-73.868
1.000	-41.252	0.0	0.0	18.993	26.455	4.196	-86.700

MEMBER 71

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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0.0	FR	1.883	0.0	0.0	0.0	-81.861	13.563	97.307	-93.541
0.250		1.883	0.0	0.0	0.0	-56.855	-3.237	61.976	-58.210
0.500		1.883	0.0	0.0	0.0	-31.850	-20.038	53.771	-50.005
0.750		1.883	0.0	0.0	0.0	-6.845	-36.838	45.566	-41.800
1.000		1.883	0.0	0.0	0.0	18.160	-53.639	73.682	-69.916

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	11.628	0.0	0.0	20.090	52.188	63.907	-60.651
0.250		11.628	0.0	0.0	36.574	17.525	65.726	-42.471
0.500		11.628	0.0	0.0	53.057	-17.139	81.824	-58.569
0.750		11.628	0.0	0.0	69.541	-51.803	132.971	-109.716
1.000		11.628	0.0	0.0	86.024	-86.467	184.118	-160.863

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-2.181	0.0	0.0	2.677	-2.139	2.655	-6.997
0.250		-2.181	0.0	0.0	1.080	-0.921	-0.180	-4.182
0.500		-2.181	0.0	0.0	-0.517	0.297	-1.367	-2.995
0.750		-2.181	0.0	0.0	-2.114	1.515	1.448	-5.810
1.000		-2.181	0.0	0.0	-3.711	2.733	4.263	-8.625

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.399	0.0	0.0	-10.287	-2.315	13.001	-12.203
0.250		0.399	0.0	0.0	-8.147	-1.847	10.593	-9.595
0.500		0.399	0.0	0.0	-6.008	-1.378	7.785	-6.987
0.750		0.399	0.0	0.0	-3.868	-0.910	5.177	-4.379
1.000		0.399	0.0	0.0	-1.728	-0.442	2.569	-1.771

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-1.172	0.0	0.0	2.629	1.714	3.171
0.250		-1.172	0.0	0.0	3.985	0.606	3.416
0.500		-1.172	0.0	0.0	5.340	-0.502	4.870
0.750		-1.172	0.0	0.0	6.696	-1.610	7.134
1.000		-1.172	0.0	0.0	8.052	-2.719	9.598

MEMBER 72

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-12.786	0.0	0.0	84.436	-27.224	98.875
0.250		-12.786	0.0	0.0	63.417	-1.217	51.848
0.500		-12.786	0.0	0.0	42.398	24.790	54.803
0.750		-12.786	0.0	0.0	21.379	50.798	59.391
1.000		-12.786	0.0	0.0	0.360	76.805	64.379

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.204	0.0	0.0	32.889	-1.517	34.002
0.250		-0.204	0.0	0.0	45.438	-3.830	49.064
0.500		-0.204	0.0	0.0	57.987	-6.303	64.126
0.750		-0.204	0.0	0.0	70.537	-8.856	79.188
1.000		-0.204	0.0	0.0	83.086	-11.568	94.251

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FH	-1.604	0.0	0.0	3.467	3.976	5.819
0.250		-1.604	0.0	0.0	2.614	1.346	2.316

0.500	-1.644	0.0	0.0	1.741	-1.284	1.381	-4.669
0.750	-1.644	0.0	0.0	0.868	-3.914	3.138	-6.426
1.000	-1.644	0.0	0.0	-0.005	-6.543	4.904	-8.192

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.444	0.0	0.0	12.118	2.889	14.563	-15.451
0.250		-0.444	0.0	0.0	9.278	2.054	10.888	-11.776
0.500		-0.444	0.0	0.0	6.437	1.220	7.213	-8.101
0.750		-0.444	0.0	0.0	3.597	0.385	3.538	-4.426
1.000		-0.444	0.0	0.0	0.757	-0.450	0.764	-1.651

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.049	0.0	0.0	7.973	1.966	10.987	-8.890
0.250		1.049	0.0	0.0	8.742	0.371	10.162	-8.064
0.500		1.049	0.0	0.0	9.512	-1.224	11.784	-9.687
0.750		1.049	0.0	0.0	10.281	-2.819	14.148	-12.051
1.000		1.049	0.0	0.0	11.050	-4.413	16.512	-14.415

MEMBER 73

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-23.021	0.0	0.0	0.057	0.060	-22.904	-23.137
0.250		-23.021	0.0	0.0	0.045	0.060	-22.915	-23.126
0.500		-23.021	0.0	0.0	0.034	0.061	-22.926	-23.116
0.750		-23.021	0.0	0.0	0.023	0.061	-22.937	-23.105
1.000		-23.021	0.0	0.0	0.012	0.062	-22.947	-23.094

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-0.059	0.026	32.463	32.292
	0.250		0.0	0.0	-0.043	0.026	32.447	32.309
	0.500		0.0	0.0	-0.027	0.025	32.430	32.325
	0.750		0.0	0.0	-0.012	0.024	32.414	32.342
	1.000		0.0	0.0	0.004	0.023	32.406	32.350

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	0.316	-0.016	-36.841	-37.505
	0.250		0.0	0.0	0.237	-0.012	-36.924	-37.422
	0.500		0.0	0.0	0.158	-0.009	-37.007	-37.340
	0.750		0.0	0.0	0.079	-0.005	-37.089	-37.257
	1.000		0.0	0.0	-0.000	-0.001	-37.171	-37.175

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	0.024	-0.005	-12.277	-12.333
	0.250		0.0	0.0	0.017	-0.004	-12.283	-12.327
	0.500		0.0	0.0	0.011	-0.004	-12.289	-12.320
	0.750		0.0	0.0	0.005	-0.004	-12.296	-12.314
	1.000		0.0	0.0	-0.001	-0.004	-12.301	-12.309

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	0.017	-0.003	-8.951	-8.991
	0.250		0.0	0.0	0.013	-0.002	-8.956	-8.986
	0.500		0.0	0.0	0.008	-0.002	-8.960	-8.982
	0.750		0.0	0.0	0.004	-0.002	-8.965	-8.977

1,000 -8,971 0,0 0,0 -0,000 -0,002 -8,969 -8,973

MEMBER 74

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX. NORMAL	MIN. NORMAL
0,0	FR	23,021	0,0	0,0	0,0	23,021	23,021
0,250		23,021	0,0	0,0	0,0	23,021	23,021
0,500		23,021	0,0	0,0	0,0	23,021	23,021
0,750		23,021	0,0	0,0	0,0	23,021	23,021
1,000		23,021	0,0	0,0	0,0	23,021	23,021

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX. NORMAL	MIN. NORMAL
0,0	FR	-32,378	0,0	0,0	0,0	-32,378	-32,378
0,250		-32,378	0,0	0,0	0,0	-32,378	-32,378
0,500		-32,378	0,0	0,0	0,0	-32,378	-32,378
0,750		-32,378	0,0	0,0	0,0	-32,378	-32,378
1,000		-32,378	0,0	0,0	0,0	-32,378	-32,378

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX. NORMAL	MIN. NORMAL
0,0	FR	37,095	0,0	0,0	0,0	37,095	37,095
0,250		37,095	0,0	0,0	0,0	37,095	37,095
0,500		37,095	0,0	0,0	0,0	37,095	37,095
0,750		37,095	0,0	0,0	0,0	37,095	37,095
1,000		37,095	0,0	0,0	0,0	37,095	37,095

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX. NORMAL	MIN. NORMAL
0,0	FR	37,095	0,0	0,0	0,0	37,095	37,095
0,250		37,095	0,0	0,0	0,0	37,095	37,095
0,500		37,095	0,0	0,0	0,0	37,095	37,095
0,750		37,095	0,0	0,0	0,0	37,095	37,095
1,000		37,095	0,0	0,0	0,0	37,095	37,095

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	12,305	0.0	0.0	0.0	0.0	12,305	12,305
0.250	12,305	0.0	0.0	0.0	0.0	12,305	12,305
0.500	12,305	0.0	0.0	0.0	0.0	12,305	12,305
0.750	12,305	0.0	0.0	0.0	0.0	12,305	12,305
1.000	12,305	0.0	0.0	0.0	0.0	12,305	12,305

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	8,971	0.0	0.0	0.0	0.0	8,971	8,971
0.250	8,971	0.0	0.0	0.0	0.0	8,971	8,971
0.500	8,971	0.0	0.0	0.0	0.0	8,971	8,971
0.750	8,971	0.0	0.0	0.0	0.0	8,971	8,971
1.000	8,971	0.0	0.0	0.0	0.0	8,971	8,971

MEMBER 75

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-107,867	0.0	0.0	-0.214	0.000	-107,652	-108,081
0.250	-107,867	0.0	0.0	-0.161	0.003	-107,703	-108,031
0.500	-107,867	0.0	0.0	-0.108	0.005	-107,753	-107,980
0.750	-107,867	0.0	0.0	-0.055	0.008	-107,804	-107,930
1.000	-107,867	0.0	0.0	-0.002	0.010	-107,855	-107,879

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-128.097	0.0	0.0	-0.235	-0.101	-127.761	-128.433
0.250		-128.097	0.0	0.0	-0.172	-0.098	-127.627	-128.368
0.500		-128.097	0.0	0.0	-0.109	-0.095	-127.893	-128.302
0.750		-128.097	0.0	0.0	-0.046	-0.092	-127.959	-128.236
1.000		-128.097	0.0	0.0	-0.017	-0.089	-127.992	-128.203

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-6.676	0.0	0.0	-0.258	-0.000	-6.418	-6.935
0.250		-6.676	0.0	0.0	-0.194	0.003	-6.479	-6.875
0.500		-6.676	0.0	0.0	-0.130	0.006	-6.540	-6.812
0.750		-6.676	0.0	0.0	-0.068	0.009	-6.601	-6.751
1.000		-6.676	0.0	0.0	-0.002	0.012	-6.662	-6.690

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-11.257	0.0	0.0	-0.021	-0.005	-11.231	-11.284
0.250		-11.257	0.0	0.0	-0.016	-0.004	-11.237	-11.279
0.500		-11.257	0.0	0.0	-0.010	-0.004	-11.243	-11.272
0.750		-11.257	0.0	0.0	-0.005	-0.004	-11.249	-11.266
1.000		-11.257	0.0	0.0	0.001	-0.004	-11.253	-11.262

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-13.423	0.0	0.0	-0.027	0.001	-13.395	-13.452
0.250		-13.423	0.0	0.0	-0.020	0.002	-13.401	-13.445
0.500		-13.423	0.0	0.0	-0.014	0.002	-13.408	-13.439
0.750		-13.423	0.0	0.0	-0.007	0.002	-13.414	-13.433
1.000		-13.423	0.0	0.0	-0.001	0.003	-13.420	-13.427

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	107,868	0.0	0.0	0.0	107,868	107,868
	0.250		107,868	0.0	0.0	0.0	107,868	107,868
	0.500		107,868	0.0	0.0	0.0	107,868	107,868
	0.750		107,868	0.0	0.0	0.0	107,868	107,868
	1.000		107,868	0.0	0.0	0.0	107,868	107,868

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	128,098	0.0	0.0	0.0	128,098	128,098
	0.250		128,098	0.0	0.0	0.0	128,098	128,098
	0.500		128,098	0.0	0.0	0.0	128,098	128,098
	0.750		128,098	0.0	0.0	0.0	128,098	128,098
	1.000		128,098	0.0	0.0	0.0	128,098	128,098

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	6,597	0.0	0.0	0.0	6,597	6,597
	0.250		6,597	0.0	0.0	0.0	6,597	6,597
	0.500		6,597	0.0	0.0	0.0	6,597	6,597
	0.750		6,597	0.0	0.0	0.0	6,597	6,597
	1.000		6,597	0.0	0.0	0.0	6,597	6,597

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	11,258	0.0	0.0	0.0	11,258	11,258

0.250	11.258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.258	11.258
0.500	11.258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.258	11.258
0.750	11.258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.258	11.258
1.000	11.258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.258	11.258

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /-----/ STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	13.423	0.0	0.0	0.0	13.423	13.423
0.250		13.423	0.0	0.0	0.0	13.423	13.423
0.500		13.423	0.0	0.0	0.0	13.423	13.423
0.750		13.423	0.0	0.0	0.0	13.423	13.423
1.000		13.423	0.0	0.0	0.0	13.423	13.423

MEMBER 77

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /-----/ STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	116.213	0.0	-0.056	-0.115	116.384	116.042
0.250		116.213	0.0	-0.056	-0.086	116.355	116.070
0.500		116.213	0.0	-0.056	-0.057	116.326	116.099
0.750		116.213	0.0	-0.056	-0.029	116.298	116.128
1.000		116.213	0.0	-0.056	-0.000	116.269	116.156

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /-----/ STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	29.559	0.0	0.125	-0.029	29.713	29.405
0.250		29.559	0.0	0.125	-0.022	29.706	29.412
0.500		29.559	0.0	0.125	-0.015	29.699	29.419
0.750		29.559	0.0	0.125	-0.007	29.692	29.426
1.000		29.559	0.0	0.125	-0.000	29.684	29.434

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.001	0.161	-39.576	-39.899
0.250		0.0	0.0	-0.001	0.121	-39.616	-39.859
0.500		0.0	0.0	-0.001	0.080	-39.656	-39.819
0.750		0.0	0.0	-0.001	0.040	-39.697	-39.779
1.000		0.0	0.0	-0.001	0.000	-39.737	-39.759

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-0.002	0.007	-6.703	-6.720
0.250		0.0	0.0	-0.002	0.005	-6.704	-6.718
0.500		0.0	0.0	-0.002	0.003	-6.706	-6.716
0.750		0.0	0.0	-0.002	0.002	-6.708	-6.715
1.000		0.0	0.0	-0.002	-0.000	-6.709	-6.713

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-0.011	0.009	-9.580	-9.620
0.250		0.0	0.0	-0.011	0.007	-9.582	-9.618
0.500		0.0	0.0	-0.011	0.005	-9.585	-9.615
0.750		0.0	0.0	-0.011	0.002	-9.587	-9.613
1.000		0.0	0.0	-0.011	-0.000	-9.590	-9.611

MEMBER 78

LOADING 6 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-116.214	0.0	0.0	0.0	0.0	-116.214	-116.214
0.250		-116.214	0.0	0.0	0.0	0.0	-116.214	-116.214
0.500		-116.214	0.0	0.0	0.0	0.0	-116.214	-116.214
0.750		-116.214	0.0	0.0	0.0	0.0	-116.214	-116.214
1.000		-116.214	0.0	0.0	0.0	0.0	-116.214	-116.214

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-29.559	0.0	0.0	0.0	0.0	-29.559	-29.559
0.250		-29.559	0.0	0.0	0.0	0.0	-29.559	-29.559
0.500		-29.559	0.0	0.0	0.0	0.0	-29.559	-29.559
0.750		-29.559	0.0	0.0	0.0	0.0	-29.559	-29.559
1.000		-29.559	0.0	0.0	0.0	0.0	-29.559	-29.559

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	39.659	0.0	0.0	0.0	0.0	39.659	39.659
0.250		39.659	0.0	0.0	0.0	0.0	39.659	39.659
0.500		39.659	0.0	0.0	0.0	0.0	39.659	39.659
0.750		39.659	0.0	0.0	0.0	0.0	39.659	39.659
1.000		39.659	0.0	0.0	0.0	0.0	39.659	39.659

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	6.711	0.0	0.0	0.0	0.0	6.711	6.711
0.250		6.711	0.0	0.0	0.0	0.0	6.711	6.711
0.500		6.711	0.0	0.0	0.0	0.0	6.711	6.711
0.750		6.711	0.0	0.0	0.0	0.0	6.711	6.711
1.000		6.711	0.0	0.0	0.0	0.0	6.711	6.711

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	9.600	0.0	0.0	0.0	0.0	9.600	9.600
0.250		9.600	0.0	0.0	0.0	0.0	9.600	9.600
0.500		9.600	0.0	0.0	0.0	0.0	9.600	9.600
0.750		9.600	0.0	0.0	0.0	0.0	9.600	9.600
1.000		9.600	0.0	0.0	0.0	0.0	9.600	9.600

MEMBER 79

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-12.997	0.0	0.0	-981.802	55.672	1024.477	-1050.472
0.250		-12.997	0.0	0.0	-604.516	43.552	634.870	-660.865
0.500		-12.997	0.0	0.0	-227.230	31.031	245.264	-271.254
0.750		-12.997	0.0	0.0	150.057	18.711	155.771	-181.765
1.000		-12.997	0.0	0.0	527.543	6.591	520.736	-546.731

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	19.164	0.0	0.0	1382.725	39.227	1441.116	-1402.788
0.250		19.164	0.0	0.0	845.463	31.501	896.128	-857.800
0.500		19.164	0.0	0.0	508.202	23.775	551.141	-512.813
0.750		19.164	0.0	0.0	-229.080	16.049	264.273	-225.944
1.000		19.164	0.0	0.0	-766.322	8.323	793.809	-755.480

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	19.164	0.0	0.0	1382.725	39.227	1441.116	-1402.788
0.250		19.164	0.0	0.0	845.463	31.501	896.128	-857.800
0.500		19.164	0.0	0.0	508.202	23.775	551.141	-512.813
0.750		19.164	0.0	0.0	-229.080	16.049	264.273	-225.944
1.000		19.164	0.0	0.0	-766.322	8.323	793.809	-755.480

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	7.088	0.0	0.0	736.972	0.553	744.613	-730.437
0.250	7.088	0.0	0.0	467.289	0.420	474.797	-460.620
0.500	7.088	0.0	0.0	197.606	0.287	204.804	-190.804
0.750	7.088	0.0	0.0	-72.078	0.154	79.319	-65.143
1.000	7.088	0.0	0.0	-341.761	0.021	348.870	-334.693

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.287	0.0	0.0	32.340	-1.830	34.458	-33.883
0.250	0.287	0.0	0.0	24.351	-1.504	26.142	-25.568
0.500	0.287	0.0	0.0	16.362	-1.177	17.827	-17.253
0.750	0.287	0.0	0.0	8.374	-0.851	9.511	-8.937
1.000	0.287	0.0	0.0	0.385	-0.524	1.196	-0.622

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.231	0.0	0.0	22.099	-0.835	23.185	-22.703
0.250	0.231	0.0	0.0	13.171	-0.635	14.036	-13.574
0.500	0.231	0.0	0.0	4.242	-0.434	4.907	-4.405
0.750	0.231	0.0	0.0	-4.686	-0.233	5.151	-4.688
1.000	0.231	0.0	0.0	-13.614	-0.033	13.678	-13.416

MEMBER 80

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-12.546	0.0	0.0	750.631	32.721	770.806	-795.898
0.250	-12.546	0.0	0.0	459.613	13.576	460.643	-485.736

0.500	-12.546	0.0	0.0	168.596	-5.568	161.618	-186.710
0.750	-12.546	0.0	0.0	-122.422	-24.713	134.569	-159.681
1.000	-12.546	0.0	0.0	-413.440	-43.657	444.751	-469.844

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-21.026	0.0	1485.455	-12.596	1477.025	-1519.077
0.250		-21.026	0.0	909.179	-11.344	899.496	-941.549
0.500		-21.026	0.0	332.903	-10.091	321.968	-364.020
0.750		-21.026	0.0	-243.574	-8.839	231.186	-273.238
1.000		-21.026	0.0	-819.650	-7.586	806.210	-846.262

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	7.140	0.0	-744.708	5.297	757.145	-742.865
0.250		7.140	0.0	-473.275	4.505	484.920	-470.640
0.500		7.140	0.0	-201.843	3.713	212.697	-198.416
0.750		7.140	0.0	69.589	2.922	79.651	-65.370
1.000		7.140	0.0	341.022	2.130	350.291	-336.011

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.496	0.0	-55.519	-0.348	56.362	-55.371
0.250		0.496	0.0	-39.542	-0.293	40.131	-39.139
0.500		0.496	0.0	-23.166	-0.238	23.899	-22.908
0.750		0.496	0.0	-6.989	-0.183	7.688	-6.676
1.000		0.496	0.0	9.187	-0.128	9.810	-8.819

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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1.000 7.072 0.0 0.0 -335.051 -1.131 343.255 -329.110

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.320	0.0	25.639	-0.510	26.470	-25.629
0.250		0.320	0.0	14.733	-0.280	15.333	-14.693
0.500		0.320	0.0	3.827	-0.050	4.197	-3.557
0.750		0.320	0.0	-7.079	0.181	7.579	-6.939
1.000		0.320	0.0	-17.985	0.411	18.716	-18.076

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.457	0.0	43.134	0.580	44.171	-43.257
0.250		0.457	0.0	29.054	0.391	29.902	-28.988
0.500		0.457	0.0	14.974	0.202	15.633	-14.719
0.750		0.457	0.0	0.894	0.013	1.565	-0.451
1.000		0.457	0.0	-13.105	-0.176	13.818	-12.904

MEMBER 82

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-86.712	0.0	219.896	130.291	263.474	-436.899
0.250		-86.712	0.0	138.061	79.227	130.575	-304.000
0.500		-86.712	0.0	56.225	28.163	-2.325	-171.100
0.750		-86.712	0.0	-25.610	-22.902	-38.201	-135.224
1.000		-86.712	0.0	-107.445	-73.966	94.699	-268.124

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE		STRESS									
FROM	STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL	
0.0	FR	123,480	0.0	0.0	-324,202	-181,297	628,979	-382,019	628,979	-382,019	
0.250		123,480	0.0	0.0	-203,545	-115,534	442,559	-195,599	442,559	-195,599	
0.500		123,480	0.0	0.0	-82,889	-49,770	256,138	-9,179	256,138	-9,179	
0.750		123,480	0.0	0.0	37,768	15,994	177,242	69,716	177,242	69,716	
1.000		123,480	0.0	0.0	154,425	81,757	363,662	-116,702	363,662	-116,702	

LOADING 3 GRAVITY AND BUOYANCY

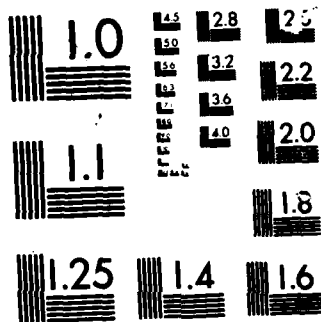
DISTANCE		STRESS									
FROM	STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL	
0.0	FR	27,740	0.0	0.0	-143,614	-82,533	253,866	-198,407	253,866	-198,407	
0.250		27,740	0.0	0.0	-88,975	-51,537	168,053	-112,572	168,053	-112,572	
0.500		27,740	0.0	0.0	-34,537	-20,141	82,218	-26,737	82,218	-26,737	
0.750		27,740	0.0	0.0	20,502	11,055	59,094	-3,617	59,094	-3,617	
1.000		27,740	0.0	0.0	74,941	42,251	144,933	-89,452	144,933	-89,452	

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE		STRESS									
FROM	STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL	
0.0	FR	1,836	0.0	0.0	-1,839	3,547	7,222	-3,550	7,222	-3,550	
0.250		1,836	0.0	0.0	-0,111	5,648	7,594	-3,922	7,594	-3,922	
0.500		1,836	0.0	0.0	1,617	7,749	11,202	-7,530	11,202	-7,530	
0.750		1,836	0.0	0.0	3,545	9,849	15,031	-11,359	15,031	-11,359	
1.000		1,836	0.0	0.0	5,073	11,950	18,860	-15,188	18,860	-15,188	

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE		STRESS									
FROM	STANT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL	
0.0	FR	2,052	0.0	0.0	-6,704	-1,590	10,346	-6,242	10,346	-6,242	
0.250		2,052	0.0	0.0	-5,222	-0,057	7,331	-3,227	7,331	-3,227	
0.500		2,052	0.0	0.0	-3,740	1,477	7,269	-3,165	7,269	-3,165	
0.750		2,052	0.0	0.0	-2,258	5,011	7,321	-3,217	7,321	-3,217	
1.000		2,052	0.0	0.0	-0,776	4,545	7,373	-3,269	7,373	-3,269	



MICROCOPY RESOLUTION TEST CHART
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	3.718	0.0	5.903	1.308	10.928	-3.493
0.250		3.718	0.0	2.176	3.651	9.545	-2.109
0.500		3.718	0.0	-1.552	5.995	11.265	-5.829
0.750		3.718	0.0	-5.279	8.359	17.335	-9.900
1.000		3.718	0.0	-9.006	10.683	23.406	-15.971

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	2.880	0.0	-1.238	-2.837	6.955	-1.195
0.250		2.880	0.0	-5.251	-1.703	9.834	-4.074
0.500		2.880	0.0	-9.263	-0.569	12.712	-6.952
0.750		2.880	0.0	-13.275	0.565	16.720	-10.960
1.000		2.880	0.0	-17.287	1.699	21.666	-16.106

MEMBER 88

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	162.035	0.0	-4.795	484.183	651.013	-326.942
0.250		162.035	0.0	14.631	284.045	460.912	-136.841
0.500		162.035	0.0	34.457	83.908	280.401	43.670
0.750		162.035	0.0	54.083	-116.229	332.348	-8.277
1.000		162.035	0.0	73.710	-316.567	552.111	-228.041

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	18.029	0.0	-7.463	50.195	76.088	-39.229

0.250	16.429	0.0	0.0	0.0	0.0	0.0	0.0	21.912	49.368	-7.509
0.500	16.429	0.0	0.0	15.516	0.0	0.0	0.0	-6.372	40.317	-3.458
0.750	16.429	0.0	0.0	27.005	0.0	0.0	0.0	-34.655	80.090	-43.231
1.000	16.429	0.0	0.0	38.495	0.0	0.0	0.0	-62.959	119.863	-83.004

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	26.413	0.0	0.0	-0.189	162.587	188.990	-136.163
0.250		26.413	0.0	0.0	0.675	99.611	126.699	-73.873
0.500		26.413	0.0	0.0	1.540	36.435	64.787	-11.961
0.750		26.413	0.0	0.0	2.404	-25.941	54.759	-1.932
1.000		26.413	0.0	0.0	3.268	-88.718	118.399	-65.573

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	2.501	0.0	0.0	-0.224	6.717	11.442	-6.440
0.250		2.501	0.0	0.0	0.446	5.876	6.822	-3.821
0.500		2.501	0.0	0.0	1.115	3.035	6.651	-1.650
0.750		2.501	0.0	0.0	1.785	0.194	4.480	0.521
1.000		2.501	0.0	0.0	2.455	-2.649	7.602	-2.601

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	3.228	0.0	0.0	-5.235	6.590	14.854	-8.397
0.250		3.228	0.0	0.0	-5.784	2.534	11.347	-4.890
0.500		3.228	0.0	0.0	-6.533	-1.722	11.284	-4.827
0.750		3.228	0.0	0.0	-6.882	-5.778	15.889	-9.432
1.000		3.228	0.0	0.0	-7.432	-9.834	20.494	-14.038

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-6.562	0.0	0.0	-98.409	-226.174	318.021	-531.185
0.250		-6.562	0.0	0.0	-58.458	-188.933	240.829	-253.993
0.500		-6.562	0.0	0.0	-18.507	-151.692	163.637	-176.761
0.750		-6.562	0.0	0.0	21.484	-114.451	129.533	-142.457
1.000		-6.562	0.0	0.0	61.395	-77.211	132.043	-145.167

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.711	0.0	0.0	158.376	247.447	406.534	-405.112
0.250		0.711	0.0	0.0	96.984	173.415	271.110	-269.688
0.500		0.711	0.0	0.0	35.592	99.582	135.685	-154.263
0.750		0.711	0.0	0.0	-25.800	25.350	51.861	-50.439
1.000		0.711	0.0	0.0	-87.192	-48.683	136.586	-135.164

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	22.575	0.0	0.0	1105.444	102.819	1230.638	-1185.687
0.250		22.575	0.0	0.0	658.508	59.243	740.327	-695.176
0.500		22.575	0.0	0.0	211.573	15.668	249.816	-204.665
0.750		22.575	0.0	0.0	-235.363	-27.907	285.845	-240.695
1.000		22.575	0.0	0.0	-682.299	-71.483	776.357	-731.206

LOADING 4 TRANSIENT LIVE LOADS - VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.009	0.0	0.0	17.874	-16.859	34.724	-34.742
0.250		-0.009	0.0	0.0	13.318	-12.748	26.057	-26.076
0.500		-0.009	0.0	0.0	8.761	-8.638	17.390	-17.409

0.750 -0.009 0.0 0.0 0.205 0.528 0.724 -0.742
 1.000 -0.009 0.0 0.0 -0.351 -0.418 0.760 -0.779

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.077	0.0	9.460	15.559	25.096	-24.942
0.250		0.077	0.0	6.228	10.956	17.261	-17.108
0.500		0.077	0.0	2.997	6.354	9.427	-9.274
0.750		0.077	0.0	-0.235	1.751	2.063	-1.910
1.000		0.077	0.0	-3.467	-2.651	6.395	-6.242

MEMBER 66

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-6.147	0.0	-199.475	227.290	420.617	-432.912
0.250		-6.147	0.0	-150.341	179.650	303.844	-316.138
0.500		-6.147	0.0	-61.208	132.010	187.071	-199.365
0.750		-6.147	0.0	7.926	84.370	86.148	-96.443
1.000		-6.147	0.0	77.059	36.730	107.642	-119.936

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.588	0.0	-269.609	-61.093	350.313	-351.490
0.250		-0.588	0.0	-178.105	-60.455	243.972	-245.148
0.500		-0.588	0.0	-86.401	-51.818	137.631	-138.407
0.750		-0.588	0.0	5.503	-37.180	41.895	-43.071
1.000		-0.588	0.0	97.007	-22.542	118.961	-120.137

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	22.371	0.0	0.0	1095.205	-115.434	1231.010	-1106.260
0.250	22.371	0.0	0.0	651.691	-66.171	740.232	-695.090
0.500	22.371	0.0	0.0	208.177	-18.907	249.455	-204.712
0.750	22.371	0.0	0.0	-235.357	28.357	266.060	-241.323
1.000	22.371	0.0	0.0	-678.652	75.621	776.844	-752.102

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	0.0	0.0	15.384	13.701	29.026	-29.145
0.250		0.0	0.0	11.573	10.593	22.106	-22.226
0.500		0.0	0.0	7.762	7.485	15.187	-15.306
0.750		0.0	0.0	5.951	4.376	8.267	-8.567
1.000		0.0	0.0	0.140	1.260	1.348	-1.467

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	0.0	0.0	-5.265	-28.723	36.975	-37.041
0.250		0.0	0.0	-5.583	-20.660	26.209	-26.275
0.500		0.0	0.0	-2.880	-12.596	15.443	-15.509
0.750		0.0	0.0	-0.177	-4.533	4.677	-4.744
1.000		0.0	0.0	2.526	3.530	6.022	-6.089

MEMBER 07

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	122.583	-238.702	357.157	-365.014
0.250		0.0	0.0	90.488	-202.524	288.884	-297.141
0.500		0.0	0.0	58.393	-166.347	220.810	-228.868
0.750		0.0	0.0	26.297	-130.169	152.237	-160.595
1.000		0.0	0.0	-5.798	-93.991	95.661	-103.919

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-127.322	291.494	417.279	-420.354
0.250		0.0	0.0	-92.104	205.834	296.400	-299.475
0.500		0.0	0.0	-56.886	120.173	175.521	-178.596
0.750		0.0	0.0	-21.667	34.513	54.643	-57.718
1.000		0.0	0.0	13.551	-51.148	63.161	-66.236

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	1347.211	217.759	1542.400	-1587.539
0.250		0.0	0.0	628.400	129.755	935.585	-980.725
0.500		0.0	0.0	309.590	41.751	328.771	-375.910
0.750		0.0	0.0	-209.221	-46.253	232.904	-278.043
1.000		0.0	0.0	-728.031	-134.257	839.718	-884.657

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.007	0.0	-11.005	-25.448	37.360	-37.346
0.250		0.007	0.0	-8.476	-18.792	27.275	-27.260
0.500		0.007	0.0	-5.047	-12.135	17.189	-17.175
0.750		0.007	0.0	-1.618	-5.478	7.104	-7.090
1.000		0.007	0.0	1.610	1.178	2.996	-2.981

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.102	0.0	-5.313	12.173	17.384	-17.588
0.250		-0.102	0.0	-4.152	6.730	12.760	-12.985
0.500		-0.102	0.0	-2.990	5.288	8.176	-8.581
0.750		-0.102	0.0	-1.829	1.846	3.573	-3.777
1.000		-0.102	0.0	-0.667	-1.596	2.102	-2.366

MEMBER 88

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-3.603	0.0	233.422	161.197	591.015	-398.222
0.250		-3.603	0.0	174.613	133.685	304.695	-311.902
0.500		-3.603	0.0	115.805	105.173	218.375	-223.582
0.750		-3.603	0.0	56.997	78.662	132.055	-139.262
1.000		-3.603	0.0	-1.611	51.150	49.358	-50.565

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.414	0.0	210.834	-49.500	261.748	-258.919
0.250		1.414	0.0	150.355	-47.727	199.497	-196.668
0.500		1.414	0.0	89.877	-45.954	137.245	-134.417
0.750		1.414	0.0	29.399	-44.181	74.994	-72.165
1.000		1.414	0.0	-31.079	-42.407	74.901	-72.072

FR	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-22.377	0.0	0.0	1349.352	-210.398	1537.373	-1582.126
0.250	-22.377	0.0	0.0	830.436	-125.468	933.527	-978.281
0.500	-22.377	0.0	0.0	311.521	-40.538	329.681	-374.435
0.750	-22.377	0.0	0.0	-207.395	44.393	229.411	-274.164
1.000	-22.377	0.0	0.0	-726.311	129.323	833.257	-878.010

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.062	0.0	0.0	-11.462	27.118	38.641	-38.518
0.250	0.062	0.0	0.0	-7.917	19.626	27.605	-27.482
0.500	0.062	0.0	0.0	-4.373	12.135	16.570	-16.447
0.750	0.062	0.0	0.0	-0.829	4.643	5.534	-5.411
1.000	0.062	0.0	0.0	2.715	-2.848	5.625	-5.502

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.059	0.0	0.0	1.774	-7.046	6.682	-8.764
0.250	0.059	0.0	0.0	1.054	-6.490	7.603	-7.485
0.500	0.059	0.0	0.0	0.333	-5.932	6.324	-6.206
0.750	0.059	0.0	0.0	-0.387	-5.573	5.819	-5.702
1.000	0.059	0.0	0.0	-1.108	-4.815	5.981	-5.864

MEMBER 89

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	9.078	0.0	0.0	12.179	228.837	250.094	-231.938
0.250	9.078	0.0	0.0	6.305	112.801	128.183	-110.028
0.500	9.078	0.0	0.0	0.430	-3.235	12.748	-5.812
0.750	9.078	0.0	0.0	-5.444	-119.272	133.793	-115.638

1.000 9.078 0.0 0.0 -11.318 -235.308 255.704 -237.548

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-149.317	114.164	250.468	-276.494
0.250		0.0	0.0	-78.742	90.748	156.477	-182.504
0.500		0.0	0.0	-8.167	67.333	62.487	-88.513
0.750		0.0	0.0	62.408	43.917	93.312	-119.338
1.000		0.0	0.0	132.983	20.502	140.471	-166.498

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-2745.987	-88.988	2726.962	-2862.986
0.250		0.0	0.0	-1323.227	-23.434	1278.649	-1414.673
0.500		0.0	0.0	99.533	2.119	33.640	-169.664
0.750		0.0	0.0	1522.293	27.672	1481.953	-1617.977
1.000		0.0	0.0	2945.054	53.225	2930.267	-3066.291

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-2.626	-1.241	5.013	-2.720
0.250		0.0	0.0	-1.260	-1.035	3.442	-1.149
0.500		0.0	0.0	0.106	0.211	2.083	0.211
0.750		0.0	0.0	1.472	-0.624	3.243	-0.950
1.000		0.0	0.0	2.838	-0.419	4.404	-2.311

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-14.622	5.725	16.905	-19.789
0.250		0.0	0.0	-7.758	3.519	9.635	-12.719

0.500	-1.482	0.0	0.0	-0.894	3.313	2.765	-5.689
0.750	-1.482	0.0	0.0	5.970	3.107	7.636	-10.520
1.000	-1.482	0.0	0.0	12.835	2.902	14.294	-17.176

MEMBER 90

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	9.600	0.0	0.0	10.438	-224.094	244.132	-224.932
0.250	9.600	0.0	0.0	4.655	-140.170	154.425	-135.225
0.500	9.600	0.0	0.0	-1.128	-56.246	66.974	-47.773
0.750	9.600	0.0	0.0	-6.911	27.678	44.189	-24.989
1.000	9.600	0.0	0.0	-12.694	111.602	133.696	-114.696

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-12.003	0.0	0.0	-132.633	21.350	141.980	-165.986
0.250	-12.003	0.0	0.0	-61.744	-0.205	49.945	-73.951
0.500	-12.003	0.0	0.0	9.146	-21.760	18.902	-42.908
0.750	-12.003	0.0	0.0	80.035	-45.515	111.546	-135.352
1.000	-12.003	0.0	0.0	150.924	-64.870	203.790	-227.796

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-68.588	0.0	0.0	2921.996	47.856	2901.264	-3038.480
0.250	-68.588	0.0	0.0	1511.537	26.046	1468.994	-1606.171
0.500	-68.588	0.0	0.0	101.078	4.236	36.726	-173.902
0.750	-68.588	0.0	0.0	-1309.580	-17.575	1258.366	-1395.543
1.000	-68.588	0.0	0.0	-2719.840	-39.345	2690.636	-2827.813

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.992	0.0	0.0	-3.355	-1.806	6.154	-4.169
0.250		0.992	0.0	0.0	-1.405	-1.227	3.624	-1.680
0.500		0.992	0.0	0.0	0.546	-0.648	2.186	-0.202
0.750		0.992	0.0	0.0	2.496	-0.069	3.558	-1.574
1.000		0.992	0.0	0.0	4.447	0.510	5.949	-3.965

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FH	-2.079	0.0	0.0	-13.372	0.640	11.935	-16.091
0.250		-2.079	0.0	0.0	-5.747	1.077	4.744	-8.992
0.500		-2.079	0.0	0.0	1.879	1.313	1.513	-5.471
0.750		-2.079	0.0	0.0	9.504	1.950	9.374	-13.532
1.000		-2.079	0.0	0.0	17.129	2.386	17.436	-21.594

MEMBER 91

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	12.129	0.0	0.0	7.085	212.411	231.625	-207.367
0.250		12.129	0.0	0.0	3.134	106.901	122.163	-97.906
0.500		12.129	0.0	0.0	-0.817	1.391	14.337	9.920
0.750		12.129	0.0	0.0	-4.769	-104.119	121.016	-96.759
1.000		12.129	0.0	0.0	-8.720	-209.629	230.477	-206.220

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-126.710	105.770	212.550	-252.402
0.250		0.0	0.0	-85.607	84.598	130.283	-170.127
0.500		0.0	0.0	-4.503	48.009	88.009	-87.051
0.750		0.0	0.0	56.600	42.254	78.933	-118.776
1.000		0.0	0.0	117.703	21.083	118.864	-158.708

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-2329.105	64.632	2422.525	-2364.950
0.250		0.0	0.0	-1134.945	36.641	1200.374	-1142.798
0.500		0.0	0.0	59.215	8.650	96.652	-39.077
0.750		0.0	0.0	1253.375	-19.342	1301.504	-1243.928
1.000		0.0	0.0	2447.535	-47.533	2523.655	-2466.080

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	2.034	0.0	-3.598	-0.337	5.970	-1.901
0.250		2.034	0.0	-1.694	-0.677	4.605	-0.536
0.500		2.034	0.0	-0.189	-1.017	3.241	0.828
0.750		2.034	0.0	1.515	-1.357	4.907	-0.838
1.000		2.034	0.0	3.220	-1.697	6.951	-2.685

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.854	0.0	-11.603	5.435	16.184	-17.892
0.250		-0.854	0.0	-5.824	4.204	9.174	-10.882
0.500		-0.854	0.0	-0.044	2.973	2.163	-3.871
0.750		-0.854	0.0	5.735	1.742	6.623	-8.331
1.000		-0.854	0.0	11.514	0.511	11.171	-12.879

MEMBER 92

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.670	-220.843	241.120	-217.907
0.250		0.0	0.0	4.618	-133.360	149.584	-126.572
0.500		0.0	0.0	0.565	-85.877	58.044	-34.836
0.750		0.0	0.0	-3.487	41.605	56.699	-33.487
1.000		0.0	0.0	-7.540	129.088	148.235	-125.022

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-116.522	20.234	130.794	-142.720
0.250		0.0	0.0	-55.767	-2.999	52.803	-64.729
0.500		0.0	0.0	4.988	-26.232	25.258	-37.184
0.750		0.0	0.0	65.744	-49.466	109.246	-121.173
1.000		0.0	0.0	126.499	-72.699	193.235	-205.162

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	2427.389	-41.964	2498.717	-2439.989
0.250		0.0	0.0	1283.594	-17.474	1290.431	-1231.703
0.500		0.0	0.0	59.798	7.017	96.179	-37.450
0.750		0.0	0.0	-1123.998	31.507	1184.868	-1126.140
1.000		0.0	0.0	-2307.794	55.997	2393.154	-2334.426

LOADING 4 TRANSIENT LIVE LOADS - VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	0.0	0.0
0.250		0.0	0.0	0.0	0.0	0.0	0.0
0.500		0.0	0.0	0.0	0.0	0.0	0.0
0.750		0.0	0.0	0.0	0.0	0.0	0.0
1.000		0.0	0.0	0.0	0.0	0.0	0.0

FROM	STMT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	2.189	0.0	0.0	-2.160	-0.310	4.659	-0.281
0.250		2.189	0.0	0.0	-1.103	-1.064	4.356	0.022
0.500		2.189	0.0	0.0	-0.046	-1.816	4.053	0.325
0.750		2.189	0.0	0.0	1.011	-2.571	5.771	-1.593
1.000		2.189	0.0	0.0	2.068	-3.325	7.582	-3.204

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	STMT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.217	0.0	0.0	-9.991	2.772	12.546	-12.981
0.250		-0.217	0.0	0.0	-5.055	0.829	5.667	-6.102
0.500		-0.217	0.0	0.0	-0.119	1.016	7.657	-1.450
0.750		-0.217	0.0	0.0	4.817	-3.057	14.536	-8.091
1.000		-0.217	0.0	0.0	9.753	-5.000		-14.970

MEMBER 03

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	STMT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-4.987	0.0	0.0	-10.340	60.432	65.785	-75.758
0.250		-4.987	0.0	0.0	-4.509	46.492	46.014	-55.987
0.500		-4.987	0.0	0.0	1.322	32.551	28.886	-36.859
0.750		-4.987	0.0	0.0	7.152	18.611	20.777	-30.750
1.000		-4.987	0.0	0.0	12.983	4.670	12.667	-22.640

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	STMT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	6.361	0.0	0.0	39.429	-81.941	127.731	-115.008
0.250		6.361	0.0	0.0	20.253	-63.489	90.103	-77.361
0.500		6.361	0.0	0.0	1.078	-45.038	52.476	-39.754

0.750 6.361 0.0 0.0 -16.096 -26.506 51.085 -30.323
 1.000 6.361 0.0 0.0 -37.274 -8.135 51.769 -39.047

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	18.474	0.0	0.0	850.390	-875.950	1507.866	-1544.613
0.250	-18.474	0.0	0.0	453.404	-326.616	761.546	-798.493
0.500	-18.474	0.0	0.0	56.417	22.718	60.661	-97.608
0.750	-18.474	0.0	0.0	-340.570	372.052	694.188	-751.095
1.000	-18.474	0.0	0.0	-737.557	721.386	1440.469	-1477.416

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.554	0.0	0.0	2.188	-0.750	5.472	-2.363
0.250	0.554	0.0	0.0	1.436	-0.939	2.929	-1.820
0.500	0.554	0.0	0.0	0.683	-1.149	2.386	-1.277
0.750	0.554	0.0	0.0	-0.070	-1.358	1.982	-0.874
1.000	0.554	0.0	0.0	-0.822	-1.568	2.944	-1.836

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.260	0.0	0.0	4.308	-5.976	8.585	-8.064
0.250	0.260	0.0	0.0	1.951	-2.701	4.912	-4.392
0.500	0.260	0.0	0.0	-0.446	-1.425	2.151	-1.610
0.750	0.260	0.0	0.0	-2.843	-0.149	3.252	-2.751
1.000	0.260	0.0	0.0	-5.239	1.126	6.626	-6.105

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	-0.002	0.0	0.0	-6.838	9.154	17.986	-17.989
0.250	-0.002	0.0	0.0	-4.860	7.316	12.174	-12.178
0.500	-0.002	0.0	0.0	-0.886	5.479	6.363	-6.367
0.750	-0.002	0.0	0.0	3.087	3.641	6.726	-6.730
1.000	-0.002	0.0	0.0	7.061	1.803	8.863	-8.866

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	-0.006	0.0	0.0	107.847	2.197	110.038	-110.050
0.250	-0.006	0.0	0.0	57.110	1.631	58.755	-58.747
0.500	-0.006	0.0	0.0	-6.373	1.065	7.431	-7.483
0.750	-0.006	0.0	0.0	-84.565	0.489	84.857	-84.869
1.000	-0.006	0.0	0.0	-95.102	-0.068	95.164	-95.176

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	6.109	0.0	0.0	9.363	-26.597	44.069	-27.851
0.250	6.109	0.0	0.0	4.977	-12.183	25.269	-9.052
0.500	6.109	0.0	0.0	0.592	2.231	10.932	5.286
0.750	6.109	0.0	0.0	-3.794	16.645	28.548	-12.330
1.000	6.109	0.0	0.0	-8.179	31.059	47.347	-31.130

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	-0.011	0.0	0.0	2.515	0.068	2.572	-2.598
0.250	-0.011	0.0	0.0	1.340	-0.046	1.374	-1.397
0.500	-0.011	0.0	0.0	-0.159	0.313	0.313	-0.313
0.750	-0.011	0.0	0.0	-1.010	-0.273	1.271	-1.294
1.000	-0.011	0.0	0.0	-2.185	-0.587	2.500	-2.503

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-0.015	0.0	0.0	10.640	0.447	11.072	-11.102
0.250	-0.015	0.0	0.0	5.797	0.251	6.034	-6.063
0.500	-0.015	0.0	0.0	0.954	0.056	0.995	-1.025
0.750	-0.015	0.0	0.0	-3.489	-0.140	4.014	-4.043
1.000	-0.015	0.0	0.0	-8.732	-0.555	9.052	-9.082

MEMBER 95

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-9.053	0.0	0.0	-2.127	71.010	64.084	-82.190
0.250	-9.053	0.0	0.0	-0.059	53.758	44.764	-62.870
0.500	-9.053	0.0	0.0	2.010	36.506	29.463	-47.569
0.750	-9.053	0.0	0.0	4.078	19.254	14.279	-32.345
1.000	-9.053	0.0	0.0	6.146	2.002	-0.905	-17.201

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-10.305	0.0	0.0	30.264	86.606	106.565	-129.174
0.250	-10.305	0.0	0.0	15.308	72.675	77.678	-98.287
0.500	-10.305	0.0	0.0	0.352	56.744	46.791	-67.400
0.750	-10.305	0.0	0.0	-14.604	40.813	45.112	-65.721
1.000	-10.305	0.0	0.0	-29.560	24.681	44.137	-64.746

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-18.642	0.0	-843.415	-671.056	1496.229	-1533.513
0.250		-18.642	0.0	-450.267	-323.804	755.428	-792.713
0.500		-18.642	0.0	-56.718	23.449	61.525	-98.809
0.750		-18.642	0.0	336.830	370.701	688.889	-726.173
1.000		-18.642	0.0	730.378	717.954	1429.690	-1466.974

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.531	0.0	-0.529	0.169	1.230	-0.167
0.250		0.531	0.0	-0.674	-0.596	1.801	-0.739
0.500		0.531	0.0	-0.820	-1.361	2.712	-1.649
0.750		0.531	0.0	-0.965	-2.126	3.622	-2.560
1.000		0.531	0.0	-1.111	-2.891	4.533	-3.470

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.192	0.0	-0.851	2.046	2.705	-3.089
0.250		-0.192	0.0	-1.608	1.654	3.070	-3.454
0.500		-0.192	0.0	-2.365	1.262	3.435	-3.819
0.750		-0.192	0.0	-3.122	0.870	3.800	-4.184
1.000		-0.192	0.0	-3.879	0.478	4.165	-4.549

MEMBER 96

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FR	10.185	0.0	0.0	22.962	150.110	103.257	-162.687
0.250	10.185	0.0	0.0	19.421	62.052	87.658	-67.289
0.500	10.185	0.0	0.0	7.681	-26.006	49.071	-23.702
0.750	10.185	0.0	0.0	0.340	-118.064	124.588	-104.219
1.000	10.185	0.0	0.0	-7.201	-202.122	219.507	-199.138

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	523.751	0.0	0.0	-165.130	104.736	793.618	253.884
0.250	523.751	0.0	0.0	-85.971	39.087	648.809	398.692
0.500	523.751	0.0	0.0	-8.813	-26.563	557.126	490.376
0.750	523.751	0.0	0.0	72.346	-92.212	686.309	359.193
1.000	523.751	0.0	0.0	151.505	-157.861	833.117	214.385

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	2.197	0.0	0.0	-9.624	5.420	17.242	-12.847
0.250	2.197	0.0	0.0	-2.817	2.260	7.280	-2.886
0.500	2.197	0.0	0.0	3.991	-0.888	7.076	-2.682
0.750	2.197	0.0	0.0	10.798	-4.042	17.038	-12.643
1.000	2.197	0.0	0.0	17.606	-7.196	26.999	-22.605

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.465	0.0	0.0	5.373	11.830	19.668	-18.738
0.250	0.465	0.0	0.0	3.087	9.809	13.361	-12.431
0.500	0.465	0.0	0.0	0.801	5.788	7.054	-6.124
0.750	0.465	0.0	0.0	-1.485	1.767	3.717	-2.787
1.000	0.465	0.0	0.0	-3.771	-2.254	6.490	-5.560

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.465	0.0	0.0	5.373	11.830	19.668	-18.738
0.250	0.465	0.0	0.0	3.087	9.809	13.361	-12.431
0.500	0.465	0.0	0.0	0.801	5.788	7.054	-6.124
0.750	0.465	0.0	0.0	-1.485	1.767	3.717	-2.787
1.000	0.465	0.0	0.0	-3.771	-2.254	6.490	-5.560

FROM STMT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	36.143	0.0	-11.291	9.107	56.541	17.744
0.250		36.143	0.0	-6.789	5.251	50.183	26.105
0.500		36.143	0.0	-2.287	1.394	41.825	34.461
0.750		36.143	0.0	2.214	-2.462	42.820	33.466
1.000		36.143	0.0	6.716	-6.519	51.178	25.108

MEMBER 97

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-743.325	0.0	-201.873	124.918	-816.535	-1070.115
0.250		-743.325	0.0	-75.238	57.567	-810.519	-876.130
0.500		-743.325	0.0	51.596	-9.785	-882.146	-804.503
0.750		-743.325	0.0	178.030	-77.133	-888.162	-998.487
1.000		-743.325	0.0	304.664	-144.483	-294.178	-1192.471

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-413.927	0.0	-182.894	63.507	-167.526	-660.328
0.250		-413.927	0.0	-92.584	18.500	-303.044	-524.811
0.500		-413.927	0.0	-1.874	-26.507	-385.546	-482.308
0.750		-413.927	0.0	88.637	-71.514	-253.776	-574.078
1.000		-413.927	0.0	179.147	-116.522	-118.259	-709.596

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	4.726	0.0	-1.811	-22.453	28.990	-19.538
0.250		4.726	0.0	-5.773	-12.658	21.357	-11.905

0.500	4.726	0.0	0.0	-5.735	3.263	13.723	-6.271
0.750	4.726	0.0	0.0	-7.696	6.332	18.754	-9.502
1.000	4.726	0.0	0.0	-9.658	15.927	30.311	-20.859

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	40.837	0.0	0.0	-17.376	21.362	-2.099	-79.576
0.250	40.837	0.0	0.0	-10.098	13.055	-17.685	-61.990
0.500	40.837	0.0	0.0	-2.819	4.747	-33.270	-48.404
0.750	40.837	0.0	0.0	4.459	-3.560	-32.818	-48.856
1.000	40.837	0.0	0.0	11.737	-11.868	-17.232	-68.442

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	24.232	0.0	0.0	-20.420	5.071	1.259	-49.724
0.250	24.232	0.0	0.0	-15.933	0.977	-9.323	-39.142
0.500	24.232	0.0	0.0	-7.445	-3.118	-13.669	-34.795
0.750	24.232	0.0	0.0	-0.958	-7.212	-16.062	-32.402
1.000	24.232	0.0	0.0	5.530	-11.307	-7.596	-41.068

MEMBER 98

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	508.888	0.0	0.0	151.833	26.481	687.203	330.574
0.250	508.888	0.0	0.0	60.542	20.711	590.141	427.636
0.500	508.888	0.0	0.0	-30.750	14.940	554.579	463.198
0.750	508.888	0.0	0.0	-122.042	9.170	640.100	377.677
1.000	508.888	0.0	0.0	-213.334	5.400	725.622	292.155

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-24.734	-36.931	-200.956	-524.267
	0.250		0.0	0.0	-27.158	-5.649	-229.615	-295.428
	0.500		0.0	0.0	-29.581	25.633	-207.408	-317.835
	0.750		0.0	0.0	-32.004	56.915	-173.702	-351.540
	1.000		0.0	0.0	-34.427	88.197	-139.997	-385.246

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	9.553	3.745	-10.454	-37.051
	0.250		0.0	0.0	5.209	-1.357	-17.186	-30.318
	0.500		0.0	0.0	0.864	-6.459	-16.429	-31.076
	0.750		0.0	0.0	-3.480	-11.561	-8.710	-36.794
	1.000		0.0	0.0	-7.825	-16.663	0.736	-48.241

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	9.051	3.363	44.489	19.660
	0.250		0.0	0.0	4.597	2.340	39.012	25.137
	0.500		0.0	0.0	0.144	1.316	33.536	30.613
	0.750		0.0	0.0	-4.310	0.295	36.679	27.470
	1.000		0.0	0.0	-8.764	-0.728	41.567	22.582

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-19.028	-5.056	3.393	-44.776
	0.250		0.0	0.0	-12.772	-2.642	-5.277	-36.106
	0.500		0.0	0.0	-6.516	-0.227	-13.948	-27.435
	0.750		0.0	0.0	-0.261	2.187	-18.244	-23.139

1,000 -20,692 0.0 0.0 5,995 4,602 -10,095 -31,289

MEMBER 99

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	128,197	0.0	0.0	5,457	167,592	501,246	-44,652
0.250		128,197	0.0	0.0	-1,166	106,053	235,416	20,979
0.500		128,197	0.0	0.0	-7,789	44,513	180,499	75,896
0.750		128,197	0.0	0.0	-14,412	-17,027	159,636	96,759
1,000		128,197	0.0	0.0	-21,034	-78,567	227,798	28,596

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-173,997	0.0	0.0	-84,623	119,582	30,208	-378,202
0.250		-173,997	0.0	0.0	-63,655	76,976	-33,366	-314,628
0.500		-173,997	0.0	0.0	-42,686	34,371	-96,940	-251,054
0.750		-173,997	0.0	0.0	-21,718	-8,235	-144,044	-203,950
1,000		-173,997	0.0	0.0	-0,750	-50,840	-122,407	-225,587

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-77,106	0.0	0.0	-25,336	-17,577	-34,193	-120,019
0.250		-77,106	0.0	0.0	-12,877	-8,726	-55,502	-98,709
0.500		-77,106	0.0	0.0	-0,418	0,124	-76,563	-77,648
0.750		-77,106	0.0	0.0	12,040	8,975	-56,090	-98,121
1,000		-77,106	0.0	0.0	24,499	17,826	-34,781	-119,431

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	3.874	0.0	0.0	-1.919	10.770	16.563	-6.816
0.250		3.874	0.0	0.0	-1.614	6.658	12.146	-4.398
0.500		3.874	0.0	0.0	-1.308	2.546	7.729	0.019
0.750		3.874	0.0	0.0	-1.003	-1.566	6.443	1.305
1.000		3.874	0.0	0.0	-0.698	-5.078	10.249	-2.501

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-8.818	0.0	0.0	-4.053	10.391	5.626	-23.262
0.250		-8.818	0.0	0.0	-2.933	6.445	0.561	-18.197
0.500		-8.818	0.0	0.0	-1.814	2.500	-4.505	-13.131
0.750		-8.818	0.0	0.0	-0.694	-1.046	-6.677	-10.958
1.000		-8.818	0.0	0.0	0.425	-5.392	-3.001	-14.635

MEMBER 100

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	11.659	0.0	0.0	-60.515	-107.968	180.142	-156.825
0.250		11.659	0.0	0.0	-64.121	-51.608	127.388	-104.071
0.500		11.659	0.0	0.0	-67.728	4.752	84.139	-60.821
0.750		11.659	0.0	0.0	-71.334	61.112	144.105	-120.788
1.000		11.659	0.0	0.0	-74.941	117.473	204.072	-180.755

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	127.690	0.0	-9.912	-40.792	178.394	76.985
0.250		127.690	0.0	0.509	-33.717	161.916	93.463
0.500		127.690	0.0	10.930	-26.643	165.263	90.117
0.750		127.690	0.0	21.352	-19.568	168.609	86.770
1.000		127.690	0.0	31.773	-12.493	171.956	83.423

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-157.107	0.0	-10.186	-21.139	-125.762	-166.432
0.250		-157.107	0.0	16.346	-30.247	-110.515	-203.700
0.500		-157.107	0.0	42.877	-39.354	-74.876	-239.339
0.750		-157.107	0.0	69.409	-48.462	-39.236	-274.978
1.000		-157.107	0.0	95.941	-57.569	-3.597	-310.616

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-77.278	0.0	22.780	23.053	-31.445	-123.111
0.250		-77.278	0.0	13.084	9.350	-54.844	-99.712
0.500		-77.278	0.0	3.388	-4.353	-69.536	-85.019
0.750		-77.278	0.0	-6.307	-18.056	-52.914	-101.641
1.000		-77.278	0.0	-16.003	-31.759	-29.516	-125.080

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	3.973	0.0	-1.147	-5.907	11.020	-3.081

0.250	3.973	0.0	0.0	0.0	-0.600	-2.698	7.267	0.680
0.500	3.973	0.0	0.0	0.0	-0.052	0.520	4.546	3.401
0.750	3.973	0.0	0.0	0.0	0.495	3.733	8.202	-0.255
1.000	3.973	0.0	0.0	0.0	1.043	6.947	11.963	-4.016

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-9.302	0.0	-1.053	-1.753	-6.496	-12.108
0.250		-9.302	0.0	0.197	-2.569	-6.536	-12.068
0.500		-9.302	0.0	1.447	-3.385	-4.470	-14.133
0.750		-9.302	0.0	2.696	-4.201	-2.404	-16.199
1.000		-9.302	0.0	3.946	-5.017	-0.359	-18.265

MEMBER 102

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	479.601	0.0	-526.184	-66.044	671.829	67.374
0.250		479.601	0.0	-235.915	-48.140	763.656	195.547
0.500		479.601	0.0	-145.645	-30.256	655.482	303.720
0.750		479.601	0.0	-55.376	-12.332	547.509	411.693
1.000		479.601	0.0	34.893	5.572	520.067	459.136

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	361.916	0.0	-174.783	-61.442	618.141	105.690
0.250		361.916	0.0	-124.540	-59.932	546.387	177.444
0.500		361.916	0.0	-74.297	-38.421	474.633	249.198
0.750		361.916	0.0	-24.054	-16.910	402.879	320.952
1.000		361.916	0.0	26.190	4.601	392.706	331.125

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-135.065	0.0	0.0	23.975	-10.010	-169.051
0.250		-135.065	0.0	0.0	11.961	-7.452	-154.479
0.500		-135.065	0.0	0.0	-0.053	-4.894	-140.012
0.750		-135.065	0.0	0.0	-12.067	-2.336	-149.468
1.000		-135.065	0.0	0.0	-24.081	0.222	-159.368

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	35.859	0.0	0.0	5.474	3.750	26.634
0.250		35.859	0.0	0.0	3.911	1.964	29.994
0.500		35.859	0.0	0.0	-2.348	0.177	33.333
0.750		35.859	0.0	0.0	-0.785	-1.609	33.465
1.000		35.859	0.0	0.0	0.778	-3.395	31.685

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	19.341	0.0	0.0	-1.645	-8.129	9.568
0.250		19.341	0.0	0.0	-0.955	-5.193	13.194
0.500		19.341	0.0	0.0	-0.265	-2.256	16.820
0.750		19.341	0.0	0.0	0.426	0.680	18.236
1.000		19.341	0.0	0.0	1.116	3.616	18.610

MEMBER 103

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	462.584	0.0	0.0	-46.052	-50.353	558.789	365.980
0.250	462.584	0.0	0.0	46.122	-14.403	524.909	399.859
0.500	462.584	0.0	0.0	142.296	21.548	626.228	298.540
0.750	462.584	0.0	0.0	236.470	57.498	756.352	168.417
1.000	462.584	0.0	0.0	330.644	93.448	886.476	58.292

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	353.121	0.0	0.0	-15.036	-22.947	391.102	315.140
0.250	353.121	0.0	0.0	30.270	-16.393	399.783	306.458
0.500	353.121	0.0	0.0	75.573	-9.839	438.533	267.709
0.750	353.121	0.0	0.0	120.877	-3.285	477.282	228.960
1.000	353.121	0.0	0.0	166.180	3.269	522.570	183.672

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-135.633	0.0	0.0	-22.524	-7.580	-105.529	-165.738
0.250	-135.633	0.0	0.0	-12.304	-2.081	-121.268	-150.019
0.500	-135.633	0.0	0.0	-2.083	3.417	-130.134	-141.133
0.750	-135.633	0.0	0.0	8.138	8.916	-118.580	-132.687
1.000	-135.633	0.0	0.0	18.359	14.414	-102.460	-108.406

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	36.010	0.0	0.0	-0.822	-4.740	41.571	30.488
0.250	36.010	0.0	0.0	0.816	-2.095	38.921	33.098
0.500	36.010	0.0	0.0	2.454	0.549	39.013	33.007
0.750	36.010	0.0	0.0	4.091	3.194	43.295	28.724
1.000	36.010	0.0	0.0	5.729	5.859	47.577	24.482

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	19.642	0.0	0.0	0.530	5.357	25.529	13.755
0.250	19.642	0.0	0.0	1.229	0.947	21.618	17.466
0.500	19.642	0.0	0.0	1.929	-3.463	25.034	18.250
0.750	19.642	0.0	0.0	2.628	-7.875	30.143	9.141
1.000	19.642	0.0	0.0	3.327	-12.203	35.252	4.032

MEMBER 104

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	51.620	0.0	0.0	96.265	127.817	275.702	-172.462
0.250	51.620	0.0	0.0	75.666	91.505	218.791	-115.551
0.500	51.620	0.0	0.0	55.068	55.192	161.880	-58.680
0.750	51.620	0.0	0.0	34.469	18.879	104.969	-1.729
1.000	51.620	0.0	0.0	13.871	-17.433	62.924	20.316

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-105.635	0.0	0.0	-46.745	134.653	75.764	-287.033
0.250	-105.635	0.0	0.0	-30.766	88.205	13.336	-224.606
0.500	-105.635	0.0	0.0	-14.786	41.758	-49.091	-162.178
0.750	-105.635	0.0	0.0	1.194	-4.690	-99.751	-111.519
1.000	-105.635	0.0	0.0	17.173	-51.136	-37.324	-173.946

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-109.562	0.0	0.0	3.590	-86.280	-130.845
0.250		-109.562	0.0	-7.565	1.095	-100.901	-118.223
0.500		-109.562	0.0	2.562	-1.399	-105.601	-113.523
0.750		-109.562	0.0	12.689	-3.894	-92.979	-126.145
1.000		-109.562	0.0	22.816	-6.389	-80.357	-158.767

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-3.199	0.0	4.216	8.372	9.389	-15.787
0.250		-3.199	0.0	3.117	6.064	5.983	-12.280
0.500		-3.199	0.0	2.018	3.757	2.576	-8.974
0.750		-3.199	0.0	0.919	1.449	-0.831	-5.567
1.000		-3.199	0.0	-0.180	-0.658	-2.160	-4.230

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	17.363	0.0	0.287	10.306	27.956	6.771
0.250		17.363	0.0	0.325	6.194	23.880	10.847
0.500		17.363	0.0	0.359	2.081	19.804	14.923
0.750		17.363	0.0	0.395	-2.031	19.789	14.938
1.000		17.363	0.0	0.431	-6.143	25.937	10.769

MEMBER 105

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	37.973	0.0	19.988	68.566	126.548	-50.601
0.250		37.973	0.0	-13.803	19.980	71.757	4.190

0.500 37.973 0.0 0.0 -47.595 -28.625 110.193 -58.247
 0.750 37.973 0.0 0.0 -81.386 -77.231 196.590 -120.643
 1.000 37.973 0.0 0.0 -115.176 -125.836 278.987 -203.041

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	-94.111	0.0	1.666	15.440	-77.005	-111.216
0.250		-94.111	0.0	7.126	8.480	-78.505	-109.717
0.500		-94.111	0.0	12.586	1.521	-80.004	-108.217
0.750		-94.111	0.0	18.045	-5.439	-70.627	-117.595
1.000		-94.111	0.0	23.505	-12.598	-58.207	-130.014

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	-110.051	0.0	24.066	-8.360	-77.645	-142.457
0.250		-110.051	0.0	11.848	4.887	-93.356	-126.746
0.500		-110.051	0.0	-0.371	-1.355	-108.325	-111.776
0.750		-110.051	0.0	-12.589	2.138	-95.328	-124.776
1.000		-110.051	0.0	-24.808	5.830	-79.613	-140.489

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	-2.799	0.0	0.983	4.607	2.791	-8.589
0.250		-2.799	0.0	-0.285	1.595	-0.919	-4.679
0.500		-2.799	0.0	-1.553	-1.416	0.170	-5.768
0.750		-2.799	0.0	-2.821	-4.427	4.449	-10.047
1.000		-2.799	0.0	-4.089	-7.459	8.728	-14.526

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							

1,000 -0.944 0.0 0.0 -1.165 1.850 2.070 -3.958

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.432	0.0	-0.660	0.784	1.675	-1.012
0.250		0.432	0.0	-0.484	-0.213	1.129	-0.265
0.500		0.432	0.0	-0.309	-1.210	1.950	-1.087
0.750		0.432	0.0	-0.133	-2.207	2.772	-1.908
1.000		0.432	0.0	0.042	-3.204	3.678	-2.814

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.457	0.0	0.857	1.086	3.486	-4.400
0.250		-0.457	0.0	0.861	1.753	2.177	-3.091
0.500		-0.457	0.0	0.906	0.419	0.868	-1.782
0.750		-0.457	0.0	0.930	-0.915	1.588	-2.302
1.000		-0.457	0.0	0.955	-2.248	2.746	-3.660

MEMBER 107

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-5.911	0.0	36.165	-19.150	51.382	-63.203
0.250		-5.911	0.0	39.484	-7.773	81.306	-53.127
0.500		-5.911	0.0	40.725	5.585	38.399	-50.220
0.750		-5.911	0.0	42.006	14.942	51.037	-62.859
1.000		-5.911	0.0	43.287	26.300	63.676	-75.497

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	18.290	-10.604	19.194	-34.593
0.250		0.0	0.0	23.698	-5.773	19.773	-39.172
0.500		0.0	0.0	29.106	-0.946	20.352	-39.751
0.750		0.0	0.0	34.514	3.884	28.698	-48.097
1.000		0.0	0.0	39.922	8.713	38.935	-58.334

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	1.614	-5.569	6.626	-8.180
0.250		0.0	0.0	1.222	-2.514	2.979	-4.494
0.500		0.0	0.0	0.630	0.540	0.413	-1.927
0.750		0.0	0.0	0.038	3.594	2.875	-4.390
1.000		0.0	0.0	-0.554	6.648	6.468	-7.959

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	1.270	1.081	2.462	-2.240
0.250		0.0	0.0	1.133	0.712	1.955	-1.733
0.500		0.0	0.0	0.995	0.343	1.488	-1.226
0.750		0.0	0.0	0.857	-0.026	0.994	-0.772
1.000		0.0	0.0	0.719	-0.395	1.225	-1.005

LOADING 6 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	1.227	-1.624	3.524	-2.177
0.250		0.0	0.0	1.083	-1.377	3.133	-1.786
0.500		0.0	0.0	0.939	-1.130	2.742	-1.395
0.750		0.0	0.0	0.795	-0.882	2.350	-1.003
1.000		0.0	0.0	0.650	-0.635	1.959	-0.612

MEMBER 108

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	12.855	0.0	0.0	-36.388	-60.242	109.885	-83.776
0.250		12.855	0.0	0.0	-42.669	-33.661	89.184	-63.475
0.500		12.855	0.0	0.0	-48.950	-7.079	68.883	-45.174
0.750		12.855	0.0	0.0	-55.231	19.503	67.588	-61.879
1.000		12.855	0.0	0.0	-61.511	46.085	120.451	-94.742

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-1.871	0.0	0.0	-17.242	-45.581	58.953	-62.694
0.250		-1.871	0.0	0.0	-16.229	-25.950	40.309	-44.050
0.500		-1.871	0.0	0.0	-15.216	-8.519	21.665	-25.406
0.750		-1.871	0.0	0.0	-14.204	9.512	21.645	-25.386
1.000		-1.871	0.0	0.0	-13.191	26.943	38.263	-42.004

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.395	0.0	0.0	-0.589	0.675	1.660	-0.869
0.250		0.395	0.0	0.0	0.001	1.369	1.765	-0.974
0.500		0.395	0.0	0.0	0.591	2.063	3.049	-2.258
0.750		0.395	0.0	0.0	1.180	2.756	4.532	-3.542
1.000		0.395	0.0	0.0	1.770	3.450	5.616	-4.825

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-1.593	-3.870	5.071	-5.856
0.250		0.0	0.0	-1.551	-2.368	3.527	-4.312
0.500		0.0	0.0	-1.509	-0.867	1.983	-2.768
0.750		0.0	0.0	-1.466	0.635	1.708	-2.493
1.000		0.0	0.0	-1.424	2.156	3.168	-3.953

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-0.626	0.198	0.723	-0.924
0.250		0.0	0.0	-0.493	-0.256	0.649	-0.850
0.500		0.0	0.0	-0.360	-0.710	0.970	-1.172
0.750		0.0	0.0	-0.228	-1.164	1.291	-1.493
1.000		0.0	0.0	-0.095	-1.618	1.613	-1.814

MEMBER 109

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.036	0.053	-12.890	-13.066
0.250		0.0	0.0	0.029	0.053	-12.896	-13.060
0.500		0.0	0.0	0.023	0.053	-12.902	-13.054
0.750		0.0	0.0	0.016	0.054	-12.908	-13.048
1.000		0.0	0.0	0.010	0.054	-12.914	-13.041

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	43.767	0.0	-0.086	0.006	43.859	43.675

0.250	43.767	0.0	0.0	-0.064	0.005	43.836	43.697
0.500	43.767	0.0	0.0	-0.043	0.004	43.814	43.720
0.750	43.767	0.0	0.0	-0.021	0.003	43.791	43.742
1.000	43.767	0.0	0.0	0.000	0.002	43.769	43.764

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.353	-0.019	-56.025	-56.769
0.250		0.0	0.0	0.265	-0.015	-56.117	-56.676
0.500		0.0	0.0	0.176	-0.010	-56.210	-56.584
0.750		0.0	0.0	0.088	-0.006	-56.303	-56.491
1.000		0.0	0.0	-0.000	-0.002	-56.394	-56.599

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	4.457	0.0	-0.010	-0.008	4.476	4.438
0.250		4.457	0.0	-0.008	-0.008	4.474	4.441
0.500		4.457	0.0	-0.006	-0.008	4.472	4.443
0.750		4.457	0.0	-0.004	-0.009	4.470	4.445
1.000		4.457	0.0	-0.002	-0.009	4.467	4.447

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	PH	-0.727	0.0	0.001	-0.005	-0.722	-0.733
0.250		-0.727	0.0	0.000	-0.005	-0.722	-0.732
0.500		-0.727	0.0	-0.000	-0.005	-0.722	-0.732
0.750		-0.727	0.0	-0.001	-0.005	-0.722	-0.733
1.000		-0.727	0.0	-0.001	-0.005	-0.722	-0.733

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	12.978	0.0	0.0	0.0	0.0	12.978	12.978
0.250	12.978	0.0	0.0	0.0	0.0	12.978	12.978
0.500	12.978	0.0	0.0	0.0	0.0	12.978	12.978
0.750	12.978	0.0	0.0	0.0	0.0	12.978	12.978
1.000	12.978	0.0	0.0	0.0	0.0	12.978	12.978

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-43.767	0.0	0.0	0.0	0.0	-43.767	-43.767
0.250	-43.767	0.0	0.0	0.0	0.0	-43.767	-43.767
0.500	-43.767	0.0	0.0	0.0	0.0	-43.767	-43.767
0.750	-43.767	0.0	0.0	0.0	0.0	-43.767	-43.767
1.000	-43.767	0.0	0.0	0.0	0.0	-43.767	-43.767

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	56.319	0.0	0.0	0.0	0.0	56.319	56.319
0.250	56.319	0.0	0.0	0.0	0.0	56.319	56.319
0.500	56.319	0.0	0.0	0.0	0.0	56.319	56.319
0.750	56.319	0.0	0.0	0.0	0.0	56.319	56.319
1.000	56.319	0.0	0.0	0.0	0.0	56.319	56.319

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FH	-4.457	0.0	0.0	0.0	0.0	-4.457	-4.457
0.250	-4.457	0.0	0.0	0.0	0.0	-4.457	-4.457
0.500	-4.457	0.0	0.0	0.0	0.0	-4.457	-4.457

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-47.552	0.0	0.0	-0.337	-0.010	-47.205
0.250		-47.552	0.0	0.0	-0.253	-0.006	-47.293
0.500		-47.552	0.0	0.0	-0.169	-0.002	-47.381
0.750		-47.552	0.0	0.0	-0.085	0.002	-47.465
1.000		-47.552	0.0	0.0	-0.001	0.006	-47.545

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	7.055	0.0	0.0	0.015	-0.007	7.077
0.250		7.055	0.0	0.0	0.012	-0.007	7.074
0.500		7.055	0.0	0.0	0.008	-0.007	7.070
0.750		7.055	0.0	0.0	0.005	-0.007	7.067
1.000		7.055	0.0	0.0	0.001	-0.007	7.064

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	7.567	0.0	0.0	0.014	0.008	7.588
0.250		7.567	0.0	0.0	0.010	0.007	7.584
0.500		7.567	0.0	0.0	0.006	0.007	7.583
0.750		7.567	0.0	0.0	0.002	0.007	7.576
1.000		7.567	0.0	0.0	-0.001	0.007	7.575

MEMBER 112

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	-110.908	-110.908
0.250		0.0	0.0	0.0	0.0	-110.908	-110.908
0.500		0.0	0.0	0.0	0.0	-110.908	-110.908
0.750		0.0	0.0	0.0	0.0	-110.908	-110.908
1.000		0.0	0.0	0.0	0.0	-110.908	-110.908

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	-20.581	-20.581
0.250		0.0	0.0	0.0	0.0	-20.581	-20.581
0.500		0.0	0.0	0.0	0.0	-20.581	-20.581
0.750		0.0	0.0	0.0	0.0	-20.581	-20.581
1.000		0.0	0.0	0.0	0.0	-20.581	-20.581

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	47.474	0.0	0.0	0.0	47.474	47.474
0.250		47.474	0.0	0.0	0.0	47.474	47.474
0.500		47.474	0.0	0.0	0.0	47.474	47.474
0.750		47.474	0.0	0.0	0.0	47.474	47.474
1.000		47.474	0.0	0.0	0.0	47.474	47.474

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-7.055	0.0	0.0	0.0	-7.055	-7.055
0.250		-7.055	0.0	0.0	0.0	-7.055	-7.055
0.500		-7.055	0.0	0.0	0.0	-7.055	-7.055
0.750		-7.055	0.0	0.0	0.0	-7.055	-7.055
1.000		-7.055	0.0	0.0	0.0	-7.055	-7.055

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-7.567	0.0	0.0	0.0	0.0	-7.567	-7.567
0.250		-7.567	0.0	0.0	0.0	0.0	-7.567	-7.567
0.500		-7.567	0.0	0.0	0.0	0.0	-7.567	-7.567
0.750		-7.567	0.0	0.0	0.0	0.0	-7.567	-7.567
1.000		-7.567	0.0	0.0	0.0	0.0	-7.567	-7.567

MEMBER 113

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-123.617	0.0	0.0	0.134	0.122	-123.360	-123.673
0.250		-123.617	0.0	0.0	0.134	0.092	-123.391	-123.842
0.500		-123.617	0.0	0.0	0.134	0.061	-123.421	-123.812
0.750		-123.617	0.0	0.0	0.134	0.031	-123.452	-123.781
1.000		-123.617	0.0	0.0	0.134	-0.000	-123.482	-123.751

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-73.636	0.0	0.0	0.238	0.075	-73.326	-73.947
0.250		-73.636	0.0	0.0	0.238	0.055	-73.344	-73.929
0.500		-73.636	0.0	0.0	0.238	0.036	-73.362	-73.911
0.750		-73.636	0.0	0.0	0.238	0.018	-73.380	-73.892
1.000		-73.636	0.0	0.0	0.238	-0.000	-73.398	-73.874

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-73.636	0.0	0.0	0.238	0.075	-73.326	-73.947
0.250		-73.636	0.0	0.0	0.238	0.055	-73.344	-73.929
0.500		-73.636	0.0	0.0	0.238	0.036	-73.362	-73.911
0.750		-73.636	0.0	0.0	0.238	0.018	-73.380	-73.892
1.000		-73.636	0.0	0.0	0.238	-0.000	-73.398	-73.874

FR	3.814	0.0	0.0	0.0	0.0	-3.926	1.997	9.737	-2.109
0.0	3.814	0.0	0.0	0.0	0.0	-3.297	1.026	6.538	-0.509
0.250	3.814	0.0	0.0	0.0	0.0	-2.668	0.056	6.767	1.090
0.500	3.814	0.0	0.0	0.0	0.0	-2.039	-0.914	7.109	0.861
0.750	3.814	0.0	0.0	0.0	0.0	-1.410	-1.885		0.520
1.000	3.814	0.0	0.0	0.0	0.0				

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FR	0.008	0.0	0.0	0.0	0.0	0.780	-0.764
0.250	0.008	0.0	0.0	-0.549	-0.223	0.410	-0.394
0.500	0.008	0.0	0.0	-0.500	-0.102	0.080	-0.064
0.750	0.008	0.0	0.0	-0.052	0.020	0.345	-0.329
1.000	0.008	0.0	0.0	0.197	0.141	0.715	-0.699

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FR	-0.097	0.0	0.0	0.0	0.0	0.311	-0.505
0.250	-0.097	0.0	0.0	-0.347	-0.061	0.046	-0.241
0.500	-0.097	0.0	0.0	-0.102	-0.042	0.069	-0.264
0.750	-0.097	0.0	0.0	0.144	-0.023	0.296	-0.490
1.000	-0.097	0.0	0.0	0.589	-0.004	0.553	-0.747

LEWER 164

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FR	-2.095	0.0	0.0	136.569	6.649	143.122	-147.313
0.250	-2.095	0.0	0.0	79.884	6.653	84.441	-88.632
0.500	-2.095	0.0	0.0	23.599	4.457	25.761	-29.952
0.750	-2.095	0.0	0.0	-33.086	2.262	33.252	-37.443

1.000 -2.095 0.0 0.0 -89.571 0.006 87.542 -91.733

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-4.779	0.0	0.0	-7.414	22.016	24.652	-34.211
0.250	-4.779	0.0	0.0	11.116	15.952	20.289	-29.847
0.500	-4.779	0.0	0.0	29.646	5.886	30.752	-40.311
0.750	-4.779	0.0	0.0	48.176	-2.181	45.577	-55.136
1.000	-4.779	0.0	0.0	66.705	-10.247	72.173	-81.732

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	3.805	0.0	0.0	5.064	-2.412	11.282	-3.671
0.250	3.805	0.0	0.0	3.955	-1.133	8.694	-1.283
0.500	3.805	0.0	0.0	2.846	0.146	6.797	0.814
0.750	3.805	0.0	0.0	1.737	1.424	6.966	0.644
1.000	3.805	0.0	0.0	0.627	2.703	7.136	0.474

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	0.068	0.0	0.0	1.007	0.152	1.228	-1.091
0.250	0.068	0.0	0.0	0.598	0.087	0.753	-0.617
0.500	0.068	0.0	0.0	0.189	0.022	0.279	-0.143
0.750	0.068	0.0	0.0	-0.219	-0.044	0.332	-0.195
1.000	0.068	0.0	0.0	-0.628	-0.109	0.806	-0.669

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	0.046	0.0	0.0	0.160	0.106	0.362	-0.170
0.250	0.046	0.0	0.0	0.153	0.052	0.301	-0.109

0.500	0.096	0.0	0.0	0.146	-0.001	0.243	-0.051
0.750	0.096	0.0	0.0	0.136	-0.055	0.289	-0.097
1.000	0.096	0.0	0.0	0.131	-0.109	0.336	-0.146

MEMBER 165

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	5.873	0.0	0.0	-13.220	22.556	41.649	-29.903
0.250	5.873	0.0	0.0	-25.231	15.119	46.223	-34.477
0.500	5.873	0.0	0.0	-37.241	7.683	50.797	-39.051
0.750	5.873	0.0	0.0	-49.252	0.246	55.370	-43.625
1.000	5.873	0.0	0.0	-61.262	-7.191	74.326	-62.580

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.755	0.0	0.0	-107.324	-8.566	116.646	-115.137
0.250	0.755	0.0	0.0	-51.562	-5.069	57.345	-55.475
0.500	0.755	0.0	0.0	4.200	-1.570	6.525	-5.015
0.750	0.755	0.0	0.0	59.962	1.929	62.646	-61.137
1.000	0.755	0.0	0.0	115.724	5.424	121.908	-120.194

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	3.903	0.0	0.0	1.967	-2.183	6.053	-0.288
0.250	3.903	0.0	0.0	1.952	-0.991	6.845	0.960
0.500	3.903	0.0	0.0	1.937	0.202	6.041	1.764
0.750	3.903	0.0	0.0	1.921	1.394	7.218	0.587
1.000	3.903	0.0	0.0	1.906	2.586	8.395	-0.590

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-0.057	0.0	0.185	0.231	0.358	-0.472
	0.250		-0.057	0.0	-0.003	0.156	0.082	-0.196
	0.500		-0.057	0.0	-0.178	0.041	0.163	-0.276
	0.750		-0.057	0.0	-0.360	-0.054	0.357	-0.470
	1.000		-0.057	0.0	-0.541	-0.148	0.633	-0.747

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.023	0.0	-0.411	0.035	0.468	-0.423
	0.250		0.023	0.0	-0.174	0.005	0.202	-0.156
	0.500		0.023	0.0	-0.063	-0.024	0.110	-0.064
	0.750		0.023	0.0	0.300	0.053	0.376	-0.331
	1.000		0.023	0.0	0.537	-0.083	0.642	-0.597

MEMBER 166

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FM	290.886	0.0	-0.641	-0.548	291.875	289.896
	0.250		290.886	0.0	-0.496	-0.355	291.759	290.032
	0.500		290.886	0.0	-0.355	-0.362	291.603	290.169
	0.750		290.886	0.0	-0.213	-0.368	291.467	290.305
	1.000		290.886	0.0	-0.070	-0.375	291.331	290.441

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.960	-0.301	-511.583	-514.104
0.250		0.0	0.0	0.708	-0.269	-511.846	-515.841
0.500		0.0	0.0	0.456	-0.277	-512.110	-515.577
0.750		0.0	0.0	0.205	-0.265	-512.374	-515.314
1.000		0.0	0.0	-0.047	-0.254	-512.543	-513.145

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.266	-0.019	-12.177	-12.787
0.250		0.0	0.0	0.199	-0.016	-12.287	-12.677
0.500		0.0	0.0	0.133	-0.013	-12.317	-12.607
0.750		0.0	0.0	0.066	-0.009	-12.387	-12.537
1.000		0.0	0.0	-0.001	-0.006	-12.435	-12.470

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	5.103	0.0	-0.010	0.001	5.114	5.092
0.250		5.103	0.0	-0.007	0.000	5.111	5.095
0.500		5.103	0.0	-0.005	0.000	5.108	5.098
0.750		5.103	0.0	-0.002	0.000	5.106	5.100
1.000		5.103	0.0	0.000	0.000	5.103	5.103

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-4.151	0.0	0.008	-0.001	-4.143	-4.160
0.250		-4.151	0.0	0.006	-0.001	-4.145	-4.158
0.500		-4.151	0.0	0.004	-0.000	-4.147	-4.156
0.750		-4.151	0.0	0.002	-0.000	-4.149	-4.154
1.000		-4.151	0.0	-0.000	-0.000	-4.151	-4.152

MEMBER 167

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FRM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	0.0	0.0	-290.888	-290.888
	0.250		0.0	0.0	0.0	0.0	-290.888	-290.888
	0.500		0.0	0.0	0.0	0.0	-290.888	-290.888
	0.750		0.0	0.0	0.0	0.0	-290.888	-290.888
	1.000		0.0	0.0	0.0	0.0	-290.888	-290.888

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FRM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	512.848	0.0	0.0	0.0	512.848	512.848
	0.250		512.848	0.0	0.0	0.0	512.848	512.848
	0.500		512.848	0.0	0.0	0.0	512.848	512.848
	0.750		512.848	0.0	0.0	0.0	512.848	512.848
	1.000		512.848	0.0	0.0	0.0	512.848	512.848

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FRM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	12.384	0.0	0.0	0.0	12.384	12.384
	0.250		12.384	0.0	0.0	0.0	12.384	12.384
	0.500		12.384	0.0	0.0	0.0	12.384	12.384
	0.750		12.384	0.0	0.0	0.0	12.384	12.384
	1.000		12.384	0.0	0.0	0.0	12.384	12.384

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FRM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	12.384	0.0	0.0	0.0	12.384	12.384
	0.250		12.384	0.0	0.0	0.0	12.384	12.384
	0.500		12.384	0.0	0.0	0.0	12.384	12.384
	0.750		12.384	0.0	0.0	0.0	12.384	12.384
	1.000		12.384	0.0	0.0	0.0	12.384	12.384

0.750	506.749	0.0	0.0	0.211	0.215	507.174	506.323
1.000	506.749	0.0	0.0	-0.038	0.203	506.990	506.507

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-11.653	0.0	0.0	-0.265	-0.016	-11.372	-11.934
0.250		-11.653	0.0	0.0	-0.199	-0.013	-11.442	-11.864
0.500		-11.653	0.0	0.0	-0.132	-0.010	-11.511	-11.795
0.750		-11.653	0.0	0.0	-0.066	-0.006	-11.581	-11.725
1.000		-11.653	0.0	0.0	0.001	-0.003	-11.649	-11.657

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	5.197	0.0	0.0	0.010	0.000	5.207	5.186
0.250		5.197	0.0	0.0	0.008	0.000	5.205	5.189
0.500		5.197	0.0	0.0	0.005	0.000	5.202	5.191
0.750		5.197	0.0	0.0	0.003	0.000	5.199	5.194
1.000		5.197	0.0	0.0	-0.000	0.000	5.197	5.197

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	7.605	0.0	0.0	0.015	-0.000	7.621	7.589
0.250		7.605	0.0	0.0	0.011	-0.001	7.617	7.593
0.500		7.605	0.0	0.0	0.008	-0.001	7.613	7.596
0.750		7.605	0.0	0.0	0.004	-0.001	7.610	7.600
1.000		7.605	0.0	0.0	0.000	-0.001	7.606	7.604

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	0.0	0.0	-294.752	-294.752
	0.250		0.0	0.0	0.0	0.0	-294.752	-294.752
	0.500		0.0	0.0	0.0	0.0	-294.752	-294.752
	0.750		0.0	0.0	0.0	0.0	-294.752	-294.752
	1.000		0.0	0.0	0.0	0.0	-294.752	-294.752

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	0.0	0.0	-506.752	-506.752
	0.250		0.0	0.0	0.0	0.0	-506.752	-506.752
	0.500		0.0	0.0	0.0	0.0	-506.752	-506.752
	0.750		0.0	0.0	0.0	0.0	-506.752	-506.752
	1.000		0.0	0.0	0.0	0.0	-506.752	-506.752

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	11.574	0.0	0.0	0.0	11.574	11.574
	0.250		11.574	0.0	0.0	0.0	11.574	11.574
	0.500		11.574	0.0	0.0	0.0	11.574	11.574
	0.750		11.574	0.0	0.0	0.0	11.574	11.574
	1.000		11.574	0.0	0.0	0.0	11.574	11.574

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-5.197	0.0	0.0	0.0	-5.197	-5.197
	0.250		-5.197	0.0	0.0	0.0	-5.197	-5.197
	0.500		-5.197	0.0	0.0	0.0	-5.197	-5.197
	0.750		-5.197	0.0	0.0	0.0	-5.197	-5.197
	1.000		-5.197	0.0	0.0	0.0	-5.197	-5.197

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-7.605	0.0	0.0	0.0	0.0	-7.605	-7.605
0.250	-7.605	0.0	0.0	0.0	0.0	-7.605	-7.605
0.500	-7.605	0.0	0.0	0.0	0.0	-7.605	-7.605
0.750	-7.605	0.0	0.0	0.0	0.0	-7.605	-7.605
1.000	-7.605	0.0	0.0	0.0	0.0	-7.605	-7.605

MEMBER 170

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-585.135	0.0	0.0	0.005	0.577	-584.552	-585.717
0.250	-585.135	0.0	0.0	0.005	0.433	-584.696	-585.573
0.500	-585.135	0.0	0.0	0.005	0.289	-584.841	-585.428
0.750	-585.135	0.0	0.0	0.005	0.144	-584.985	-585.284
1.000	-585.135	0.0	0.0	0.005	-0.000	-585.129	-585.140

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	7.857	0.0	0.0	-0.813	-0.008	8.678	7.036
0.250	7.857	0.0	0.0	-0.813	-0.006	8.676	7.038
0.500	7.857	0.0	0.0	-0.813	-0.004	8.674	7.040
0.750	7.857	0.0	0.0	-0.813	-0.002	8.672	7.042
1.000	7.857	0.0	0.0	-0.813	-0.000	8.670	7.044

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-25.011	0.0	0.0	0.006	0.110	-24.859	-25.163
0.250		-25.011	0.0	0.0	0.006	0.110	-24.895	-25.127
0.500		-25.011	0.0	0.0	0.006	0.073	-24.932	-25.090
0.750		-25.011	0.0	0.0	0.006	0.037	-24.968	-25.054
1.000		-25.011	0.0	0.0	0.006	-0.000	-25.005	-25.017

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-4.786	0.0	0.0	-0.000	0.005	-4.781	-4.791
0.250		-4.786	0.0	0.0	-0.000	0.004	-4.783	-4.790
0.500		-4.786	0.0	0.0	-0.000	0.002	-4.784	-4.789
0.750		-4.786	0.0	0.0	-0.000	0.001	-4.785	-4.788
1.000		-4.786	0.0	0.0	-0.000	-0.000	-4.786	-4.787

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	2.061	0.0	0.0	0.002	-0.002	2.064	2.057
0.250		2.061	0.0	0.0	0.002	-0.002	2.064	2.057
0.500		2.061	0.0	0.0	0.002	-0.001	2.063	2.056
0.750		2.061	0.0	0.0	0.002	-0.001	2.063	2.056
1.000		2.061	0.0	0.0	0.002	-0.000	2.062	2.059

MEMBER 171

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM	STRT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM		0.0	0.0	0.0	0.0	585.139	585.139
0.250			0.0	0.0	0.0	0.0	585.139	585.139
0.500			0.0	0.0	0.0	0.0	585.139	585.139
0.750			0.0	0.0	0.0	0.0	585.139	585.139
1.000			0.0	0.0	0.0	0.0	585.139	585.139

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM	STRT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-7.857	0.0	0.0	0.0	0.0	-7.857	-7.857
0.250			-7.857	0.0	0.0	0.0	0.0	-7.857	-7.857
0.500			-7.857	0.0	0.0	0.0	0.0	-7.857	-7.857
0.750			-7.857	0.0	0.0	0.0	0.0	-7.857	-7.857
1.000			-7.857	0.0	0.0	0.0	0.0	-7.857	-7.857

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM	STRT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		24.933	0.0	0.0	0.0	0.0	24.933	24.933
0.250			24.933	0.0	0.0	0.0	0.0	24.933	24.933
0.500			24.933	0.0	0.0	0.0	0.0	24.933	24.933
0.750			24.933	0.0	0.0	0.0	0.0	24.933	24.933
1.000			24.933	0.0	0.0	0.0	0.0	24.933	24.933

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM	STRT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM		4.786	0.0	0.0	0.0	0.0	4.786	4.786
0.250			4.786	0.0	0.0	0.0	0.0	4.786	4.786
0.500			4.786	0.0	0.0	0.0	0.0	4.786	4.786
0.750			4.786	0.0	0.0	0.0	0.0	4.786	4.786
1.000			4.786	0.0	0.0	0.0	0.0	4.786	4.786

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM	STRT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	-2.061	-2.061
0.250		-2.061	0.0	0.0	0.0	-2.061	-2.061
0.500		-2.061	0.0	0.0	0.0	-2.061	-2.061
0.750		-2.061	0.0	0.0	0.0	-2.061	-2.061
1.000		-2.061	0.0	0.0	0.0	-2.061	-2.061

MEMBER 172

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.939	0.0	-10.328	-19.980	31.246	-29.369
0.250		0.939	0.0	-0.965	-3.141	5.084	-3.167
0.500		0.939	0.0	8.598	13.697	23.034	-21.157
0.750		0.939	0.0	17.761	30.536	49.236	-47.559
1.000		0.939	0.0	27.124	47.374	75.437	-73.560

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-1.867	0.0	39.838	13.933	51.899	-55.633
0.250		-1.867	0.0	-13.977	4.151	16.261	-19.995
0.500		-1.867	0.0	-67.767	-5.630	71.551	-75.284
0.750		-1.867	0.0	-121.596	-15.412	135.143	-138.876
1.000		-1.867	0.0	-175.408	-25.193	198.735	-202.468

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-45.334	0.0	106.405	60.672	121.743	-212.410
0.250		-45.334	0.0	61.326	34.977	50.964	-141.637

0.500	-45.354	0.0	0.0	16.266	9.263	-19.804	-70.863
0.750	-45.334	0.0	0.0	-28.833	-19.411	-0.089	-90.576
1.000	-45.334	0.0	0.0	-73.912	-42.106	70.884	-161.352

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-3.067	-7.365	-22.918	-93.281
0.250		0.0	0.0	-0.384	-1.699	-30.766	-36.933
0.500		0.0	0.0	2.298	5.966	-26.565	-39.114
0.750		0.0	0.0	4.980	9.632	-18.238	-47.861
1.000		0.0	0.0	7.662	15.297	-9.690	-55.699

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	0.0	0.0	13.152	3.697	-16.913	-50.611
0.250		0.0	0.0	-2.553	0.640	-30.569	-36.955
0.500		0.0	0.0	-18.259	-2.817	-13.086	-58.830
0.750		0.0	0.0	-33.965	-5.474	5.677	-73.200
1.000		0.0	0.0	-49.670	-8.531	28.439	-91.963

MEMBER 173

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.135	0.0	16.272	-23.966	91.352	-39.083
0.250		1.135	0.0	-4.861	12.418	18.430	-16.161
0.500		1.135	0.0	-26.034	46.774	75.943	-73.673
0.750		1.135	0.0	47.187	85.134	133.855	-131.109
1.000		1.135	0.0	68.340	121.494	190.968	-188.699

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	
	0.0	FR	1.727	0.0	0.0	35.119	-12.609	89.456	-89.002
	0.250		1.727	0.0	0.0	0.080	0.191	9.998	-6.548
	0.500		1.727	0.0	0.0	-34.960	28.992	65.679	-62.225
	0.750		1.727	0.0	0.0	-70.000	48.793	121.520	-115.065
	1.000		1.727	0.0	0.0	-105.039	70.598	177.360	-173.906

LOADING 3 GRAVITY AND SUDDANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	
	0.0	FR	-45.325	0.0	0.0	-105.677	61.679	122.030	-212.681
	0.250		-45.325	0.0	0.0	-60.069	35.297	50.021	-140.671
	0.500		-45.325	0.0	0.0	-14.421	0.916	-21.989	-60.662
	0.750		-45.325	0.0	0.0	31.207	-17.466	3.347	-93.998
	1.000		-45.325	0.0	0.0	76.838	-85.848	75.357	-160.007

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	
	0.0	FR	-32.786	0.0	0.0	5.624	-7.126	-20.035	-85.538
	0.250		-32.786	0.0	0.0	0.867	5.091	-29.229	-36.368
	0.500		-32.786	0.0	0.0	-8.691	13.309	-14.787	-50.766
	0.750		-32.786	0.0	0.0	-9.848	23.528	0.589	-60.162
	1.000		-32.786	0.0	0.0	-15.005	33.786	15.965	-81.538

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	
	0.0	FR	-32.586	0.0	0.0	12.062	-3.486	-17.070	-48.095
	0.250		-32.586	0.0	0.0	1.805	1.926	-26.855	-36.317
	0.500		-32.586	0.0	0.0	-4.452	7.298	-16.637	-46.336
	0.750		-32.586	0.0	0.0	-13.709	12.670	-1.206	-63.965

1,000 -52,580 0.0 0.0 -26,960 18,042 14,421 -79,594

MEMBER 174

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-2.073	0.0	0.0	-1.064	-45.070	44.069	-68.235
0.250			-2.073	0.0	0.0	10.706	6.342	16.974	-21.121
0.500			-2.073	0.0	0.0	22.496	61.762	82.164	-46.330
0.750			-2.073	0.0	0.0	34.286	115.141	147.394	-151.540
1.000			-2.073	0.0	0.0	46.076	168.602	212.604	-216.750

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		0.140	0.0	0.0	14.150	4.667	16.957	-16.676
0.250			0.140	0.0	0.0	-3.547	-6.352	10.039	-9.760
0.500			0.140	0.0	0.0	-21.245	-17.371	38.756	-38.477
0.750			0.140	0.0	0.0	-34.943	-28.590	67.473	-67.194
1.000			0.140	0.0	0.0	-50.641	-59.610	96.190	-95.911

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-45.330	0.0	0.0	-0.521	-122.723	77.905	-166.582
0.250			-45.330	0.0	0.0	-1.069	-70.647	26.378	-117.054
0.500			-45.330	0.0	0.0	-1.617	-18.571	-25.150	-65.527
0.750			-45.330	0.0	0.0	-2.166	33.505	-4.667	-81.309
1.000			-45.330	0.0	0.0	-2.714	85.581	42.957	-133.634

LOADING 4 TRANSIENT LIVE LOADS - VIBRATING IN Y-DIRECTION

DISTANCE		STRESS			STRESS			STRESS		
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL
0.0	FR	-33.037	0.0	0.0	-0.096	-10.086	-10.156	-69.519	-10.156	-69.519
0.250		-33.037	0.0	0.0	1.079	1.510	-31.000	-36.627	-31.000	-36.627
0.500		-33.037	0.0	0.0	3.955	17.306	-12.576	-55.098	-12.576	-55.098
0.750		-33.037	0.0	0.0	6.430	35.502	5.895	-73.569	5.895	-73.569
1.000		-33.037	0.0	0.0	8.905	69.298	24.366	-92.000	24.366	-92.000

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE		STRESS			STRESS			STRESS		
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL
0.0	FR	-33.125	0.0	0.0	3.931	1.153	-20.000	-30.210	-20.000	-30.210
0.250		-33.125	0.0	0.0	-1.986	-1.162	-29.977	-36.273	-29.977	-36.273
0.500		-33.125	0.0	0.0	-7.903	-3.477	-21.745	-48.505	-21.745	-48.505
0.750		-33.125	0.0	0.0	-13.820	-5.792	-13.513	-52.737	-13.513	-52.737
1.000		-33.125	0.0	0.0	-19.738	-8.107	-5.200	-60.970	-5.200	-60.970

MEMBER 175

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE		STRESS			STRESS			STRESS		
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL
0.0	FR	0.889	0.0	0.0	20.768	35.317	56.974	-55.195	56.974	-55.195
0.250		0.889	0.0	0.0	14.722	-90.440	112.051	-110.272	112.051	-110.272
0.500		0.889	0.0	0.0	6.477	-226.196	237.762	-235.983	237.762	-235.983
0.750		0.889	0.0	0.0	2.431	-559.953	363.473	-361.608	363.473	-361.608
1.000		0.889	0.0	0.0	-3.015	-491.709	490.013	-496.236	490.013	-496.236

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE		STRESS			STRESS			STRESS		
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL

PRO	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-126.881	0.0	0.0	32.536	19.683	-74.221	-178.660
0.250		-126.881	0.0	0.0	24.884	19.188	-62.569	-170.312
0.500		-126.881	0.0	0.0	16.832	16.892	-50.916	-161.965
0.750		-126.881	0.0	0.0	8.980	16.197	-39.264	-153.617
1.000		-126.881	0.0	0.0	1.128	17.702	-107.611	-145.270

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

PRO	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-141.583	0.0	0.0	21.617	117.625	-208.695	-103.428
0.250		45.612	0.0	0.0	-16.280	12.358	-103.428	-208.695
0.500		228.768	0.0	0.0	-6.943	190.177	-159.705	-204.137
0.750		413.924	0.0	0.0	0.393	368.762	-159.705	-204.137
1.000		599.080	0.0	0.0	7.750	561.274	-159.705	-204.137

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

PRO	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-104.538	0.0	0.0	5.282	10.374	-88.880	-120.193
0.250		-104.538	0.0	0.0	1.705	-12.711	-90.121	-116.952
0.500		-104.538	0.0	0.0	-1.873	-35.793	-66.868	-142.204
0.750		-104.538	0.0	0.0	-5.950	-58.880	-40.206	-168.667
1.000		-104.538	0.0	0.0	-9.028	-81.965	-15.584	-195.529

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

PRO	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-116.869	0.0	0.0	-38.747	7.282	-70.640	-162.600
0.250		-116.869	0.0	0.0	-1.510	-0.086	-115.273	-116.869
0.500		-116.869	0.0	0.0	35.727	7.109	-72.034	-159.705
0.750		-116.869	0.0	0.0	14.504	14.504	-29.601	-204.137
1.000		-116.869	0.0	0.0	110.200	21.499	14.631	-248.569

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-54.783	100.429	193.312	-117.112
	0.250		0.0	0.0	-22.110	-67.051	127.862	-51.062
	0.500		0.0	0.0	10.562	-235.731	284.394	-208.194
	0.750		0.0	0.0	43.235	-403.812	485.147	-408.948
	1.000		0.0	0.0	75.908	-571.892	685.900	-609.699

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-84.296	57.020	165.497	-117.938
	0.250		0.0	0.0	77.937	31.866	133.564	-86.021
	0.500		0.0	0.0	240.169	6.512	270.262	-222.700
	0.750		0.0	0.0	402.402	-19.242	445.425	-347.862
	1.000		0.0	0.0	564.634	-84.796	633.211	-585.649

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-127.965	0.0	-29.527	17.768	-80.670	-175.260
	0.250		-127.965	0.0	-37.674	14.736	-75.555	-180.375
	0.500		-127.965	0.0	-45.821	11.705	-70.440	-185.490
	0.750		-127.965	0.0	-53.967	8.673	-65.325	-190.605
	1.000		-127.965	0.0	-62.114	5.641	-60.210	-195.720

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-95.745	0.0	-9.920	26.923	-58.902	-132.589

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.250		-95.745	0.0	0.0	-11.915	-4.432	-79.399	-112.092
0.500		-95.745	0.0	0.0	-15.910	-35.787	-86.049	-145.442
0.750		-95.745	0.0	0.0	-15.904	-67.142	-12.699	-176.792
1.000		-95.745	0.0	0.0	-17.899	-98.498	20.651	-212.142

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FM	-99.327	0.0	0.0	-20.321	14.554	-68.652	-134.002
	0.250		-99.327	0.0	0.0	4.226	8.004	-87.097	-111.557
	0.500		-99.327	0.0	0.0	28.773	1.654	-68.900	-129.754
	0.750		-99.327	0.0	0.0	53.521	-4.697	-41.309	-157.584
	1.000		-99.327	0.0	0.0	77.668	-11.047	-10.412	-188.242

MEMBER 177

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-40.077	0.0	0.0	36.055	137.697	133.674	-213.829
	0.250		-40.077	0.0	0.0	15.345	-50.091	25.359	-105.514
	0.500		-40.077	0.0	0.0	-5.365	-237.880	203.167	-285.522
	0.750		-40.077	0.0	0.0	-26.074	-425.668	411.665	-491.820
	1.000		-40.077	0.0	0.0	-46.784	-613.457	620.163	-700.518

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	20.628	0.0	0.0	-46.992	-31.903	99.523	-58.267
	0.250		20.628	0.0	0.0	93.222	-18.672	132.521	-91.265
	0.500		20.628	0.0	0.0	233.435	-5.440	259.503	-218.247
	0.750		20.628	0.0	0.0	373.648	7.791	402.067	-360.810
	1.000		20.628	0.0	0.0	513.861	21.022	555.511	-514.255

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	0.0	0.0	-2.471	30.401	-86.854	-168.598
0.250		0.0	0.0	-3.633	-31.901	-92.192	-163.260
0.500		0.0	0.0	-4.794	-25.402	-97.530	-157.922
0.750		0.0	0.0	-5.956	-18.902	-102.867	-152.584
1.000		0.0	0.0	-7.118	-12.403	-108.205	-147.247

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	0.0	0.0	6.136	38.376	-71.624	-160.688
0.250		0.0	0.0	0.188	-2.777	-109.170	-123.101
0.500		0.0	0.0	2.240	-83.930	-69.966	-162.306
0.750		0.0	0.0	0.292	-85.083	-30.761	-201.510
1.000		0.0	0.0	-1.657	-126.236	11.757	-244.028

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	0.0	0.0	-16.702	-5.980	-77.580	-122.943
0.250		0.0	0.0	10.191	-6.943	-83.128	-117.595
0.500		0.0	0.0	37.083	-7.906	-55.272	-145.251
0.750		0.0	0.0	63.976	-8.870	-27.416	-173.107
1.000		0.0	0.0	90.869	-9.833	0.440	-200.963

MEMBER 178

LOADING 6 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	36.929	0.0	0.0	-25.934	-532.505	597.448	-519.590
0.250		36.929	0.0	0.0	-21.717	-254.612	315.456	-237.600
0.500		36.929	0.0	0.0	-17.501	22.962	79.591	-1.555
0.750		36.929	0.0	0.0	-13.284	300.735	352.948	-275.089
1.000		36.929	0.0	0.0	-9.067	578.508	626.504	-548.646

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-88.120	0.0	0.0	849.910	28.515	610.506	-766.585
0.250		-88.120	0.0	0.0	311.783	20.415	264.078	-400.517
0.500		-88.120	0.0	0.0	-26.345	12.314	-29.463	-106.776
0.750		-88.120	0.0	0.0	-364.470	4.213	500.563	-436.802
1.000		-88.120	0.0	0.0	-702.596	-5.888	636.365	-774.604

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-233.378	0.0	0.0	1.932	18.896	-212.551	-254.206
0.250		-233.378	0.0	0.0	-3.893	5.381	-224.145	-242.612
0.500		-233.378	0.0	0.0	-9.718	-8.214	-235.447	-251.310
0.750		-233.378	0.0	0.0	-15.542	-21.768	-196.068	-270.689
1.000		-233.378	0.0	0.0	-21.367	-35.323	-176.688	-290.068

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-95.162	0.0	0.0	-13.692	-91.603	10.333	-200.650
0.250		-95.162	0.0	0.0	-9.202	-39.074	-46.886	-145.438
0.500		-95.162	0.0	0.0	-4.511	13.454	-77.197	-113.127
0.750		-95.162	0.0	0.0	0.180	65.985	-28.999	-161.325
1.000		-95.162	0.0	0.0	4.670	116.512	28.220	-218.588

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-122.935	0.0	0.0	121.107	25.969	24.161	-270.010
0.250		-122.935	0.0	0.0	48.811	10.854	-63.270	-162.600
0.500		-122.935	0.0	0.0	-23.485	-4.261	-95.189	-150.681
0.750		-122.935	0.0	0.0	-95.781	-19.375	-7.778	-238.092
1.000		-122.935	0.0	0.0	-168.078	-34.490	79.653	-325.502

MEMBER 179

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	39.971	0.0	0.0	92.654	-604.782	737.607	-657.665
0.250		39.971	0.0	0.0	41.710	-292.411	374.091	-296.189
0.500		39.971	0.0	0.0	-9.835	19.961	69.366	10.576
0.750		39.971	0.0	0.0	-60.579	332.352	432.861	-352.939
1.000		39.971	0.0	0.0	-111.724	644.703	796.398	-716.456

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	66.112	0.0	0.0	629.516	-60.995	756.622	-622.399
0.250		66.112	0.0	0.0	298.193	-84.167	410.471	-274.288
0.500		66.112	0.0	0.0	-33.130	-27.340	128.581	7.662
0.750		66.112	0.0	0.0	-364.453	-10.512	443.076	-306.653
1.000		66.112	0.0	0.0	-695.776	6.316	770.203	-633.980

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE 7

MEMBER	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-236.307	0.0	0.0	-67.654	7.414	-161.059	-311.575
0.250		-236.307	0.0	0.0	-15.389	4.561	-216.358	-256.257
0.500		-236.307	0.0	0.0	37.076	1.707	-197.524	-275.090
0.750		-236.307	0.0	0.0	89.541	-1.187	-105.620	-326.995
1.000		-236.307	0.0	0.0	142.006	-4.000	-90.301	-382.313

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-96.420	0.0	0.0	-16.722	-103.482	23.785	-210.625
0.250		-96.420	0.0	0.0	-2.477	-46.109	-47.634	-145.007
0.500		-96.420	0.0	0.0	11.768	11.263	-73.588	-119.452
0.750		-96.420	0.0	0.0	26.014	68.636	-1.770	-191.070
1.000		-96.420	0.0	0.0	40.259	126.009	69.648	-262.688

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-89.050	0.0	0.0	90.216	-13.152	14.318	-102.418
0.250		-89.050	0.0	0.0	42.158	-8.477	-38.416	-139.694
0.500		-89.050	0.0	0.0	-5.901	-3.801	-79.348	-98.752
0.750		-89.050	0.0	0.0	-53.959	0.674	-34.217	-143.693
1.000		-89.050	0.0	0.0	-102.017	5.550	18.517	-196.617

MEMBER 180

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-78.967	0.0	0.0	-39.412	-681.933	642.378	-600.313
0.250		-78.967	0.0	0.0	-1.041	-324.809	246.882	-408.617

0.500	-78.967	0.0	0.0	37.329	32.316	-9.322	-108.613
0.750	-78.967	0.0	0.0	75.099	389.481	386.173	-584.108
1.000	-78.967	0.0	0.0	114.070	746.566	741.666	-939.603

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.459	0.0	539.740	13.169	552.430	-553.387
0.250		-0.459	0.0	247.712	4.425	251.678	-252.595
0.500		-0.459	0.0	-44.316	-44.299	48.157	-49.078
0.750		-0.459	0.0	-336.544	-13.024	308.904	-349.824
1.000		-0.459	0.0	-626.372	-21.748	649.669	-650.578

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-234.422	0.0	-7.876	-14.168	-212.796	-256.047
0.250		-234.422	0.0	-3.604	2.260	-226.557	-280.286
0.500		-234.422	0.0	0.270	16.668	-215.488	-253.359
0.750		-234.422	0.0	4.148	35.076	-195.202	-273.681
1.000		-234.422	0.0	8.017	51.484	-174.920	-293.923

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-126.259	0.0	-0.716	-161.512	15.989	-268.486
0.250		-126.259	0.0	0.957	-57.655	-67.667	-188.671
0.500		-126.259	0.0	2.630	26.202	-67.426	-155.091
0.750		-126.259	0.0	4.303	110.059	-11.697	-246.621
1.000		-126.259	0.0	5.976	193.916	73.634	-326.151

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-105.988	0.0	0.0	95.807	-12.029	2.092	-215.981
0.250		-105.988	0.0	0.0	41.027	-2.189	-62.728	-189.160
0.500		-105.988	0.0	0.0	-13.354	0.251	-88.360	-127.569
0.750		-105.988	0.0	0.0	-87.734	18.691	-19.519	-192.589
1.000		-105.988	0.0	0.0	-122.115	29.130	45.301	-257.189

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LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-356.202	0.0	0.0	83.536	-86.854	-185.811	-526.592	
0.250		-356.202	0.0	0.0	68.589	-31.634	-260.019	-452.385	
0.500		-356.202	0.0	0.0	45.562	23.587	-287.053	-425.350	
0.750		-356.202	0.0	0.0	26.574	76.607	-250.420	-461.583	
1.000		-356.202	0.0	0.0	7.587	138.028	-214.587	-497.617	

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	615.209	0.0	0.0	-87.586	-69.291	727.086	503.333	
0.250		615.209	0.0	0.0	-64.500	-87.687	747.157	443.262	
0.500		615.209	0.0	0.0	-121.015	-31.003	767.227	463.192	
0.750		615.209	0.0	0.0	-157.729	-14.359	787.296	443.121	
1.000		615.209	0.0	0.0	-194.444	2.265	811.938	416.481	

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	240.280	0.0	0.0	-48.508	-26.988	315.771	169.788	
0.250		240.280	0.0	0.0	-15.430	-8.155	281.665	216.695	
0.500		240.280	0.0	0.0	21.648	10.673	274.602	207.958	
0.750		240.280	0.0	0.0	56.727	29.502	326.508	154.052	

1.000 240.280 0.0 0.0 91.005 60.330 380.615 100.185

LOADING * TRANSIENT LIVE LOADS ** VIBRATING IN Y-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-7.587	0.0	0.0	-11.563	16.138	22.114	-36.889
0.500	-7.587	0.0	0.0	-3.226	26.077	21.916	-36.891
0.750	-7.587	0.0	0.0	4.911	34.016	31.580	-68.515
1.000	-7.587	0.0	0.0	13.049	41.955	47.617	-82.391
				21.186	49.894	63.693	-78.468

LOADING S TRANSIENT LIVE LOADS ** VIBRATING IN X-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	18.678	0.0	0.0	-37.823	-8.325	64.826	-27.670
0.500	18.678	0.0	0.0	-32.348	-3.476	54.502	-17.186
0.750	18.678	0.0	0.0	-26.873	1.373	46.924	-8.588
1.000	18.678	0.0	0.0	-21.398	6.222	48.298	-6.942
				-15.923	11.070	45.672	-8.316

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LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-355.000	0.0	0.0	56.753	-11.644	-290.669	-821.263
0.500	-355.000	0.0	0.0	36.169	39.105	-280.392	-830.940
0.750	-355.000	0.0	0.0	14.585	90.054	-247.027	-868.305
1.000	-355.000	0.0	0.0	1.000	181.004	-213.663	-897.670
				-16.584	191.953	-147.129	-564.203

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-610.666	0.0	0.0	179.747	174.756	-256.366	-965.349
0.250		-610.666	0.0	0.0	89.854	139.202	-381.811	-859.921
0.500		-610.666	0.0	0.0	-0.040	103.646	-507.179	-714.553
0.750		-610.666	0.0	0.0	-89.933	68.094	-452.839	-748.893
1.000		-610.666	0.0	0.0	-179.826	52.540	-598.500	-823.232

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	241.430	0.0	0.0	-19.587	-49.568	310.360	172.479
0.250		241.430	0.0	0.0	-38.553	-20.669	300.651	182.208
0.500		241.430	0.0	0.0	-57.518	6.026	304.974	175.885
0.750		241.430	0.0	0.0	-76.484	36.720	354.634	128.225
1.000		241.430	0.0	0.0	-95.450	65.415	402.294	80.565

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-7.316	0.0	0.0	15.583	17.583	25.050	-40.282
0.250		-7.316	0.0	0.0	4.688	26.587	23.916	-58.547
0.500		-7.316	0.0	0.0	-8.096	35.592	34.372	-49.003
0.750		-7.316	0.0	0.0	-14.835	44.597	54.116	-66.747
1.000		-7.316	0.0	0.0	-27.574	53.601	73.660	-88.401

LOADING 6 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-14.019	0.0	0.0	-9.167	-9.294	3.442	-31.481
0.250		-14.019	0.0	0.0	-23.587	-3.704	13.271	-61.310
0.500		-14.019	0.0	0.0	-34.007	0.687	24.674	-52.912
0.750		-14.019	0.0	0.0	-52.426	5.477	43.664	-71.923
1.000		-14.019	0.0	0.0	-64.846	10.067	62.698	-90.933

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LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-32.324	50.696	800.098	622.057
0.250		711.078	0.0	-30.138	80.768	821.983	600.172
0.500		711.078	0.0	-27.951	104.840	843.869	578.286
0.750		711.078	0.0	-25.764	128.912	865.754	558.401
1.000		711.078	0.0	-23.578	152.985	887.640	538.515

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	110.549	-17.510	131.762	-132.357
0.250		-0.298	0.0	45.876	-19.091	88.668	-85.264
0.500		-0.298	0.0	-22.798	-20.871	43.172	-43.767
0.750		-0.298	0.0	-91.872	-22.252	113.426	-114.022
1.000		-0.298	0.0	-160.146	-23.833	183.681	-184.276

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	0.0	0.0	0.404	57.920	278.563	161.914
0.250		220.238	0.0	0.623	19.662	280.524	190.953
0.500		220.238	0.0	0.842	-18.596	239.677	200.800
0.750		220.238	0.0	1.061	-56.855	278.154	162.323
1.000		220.238	0.0	1.279	-95.113	316.631	123.886

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FM	20.811	0.0	0.0	-0.729	41.255	62.775	-21.153
0.250	20.811	0.0	0.0	-0.618	34.521	55.950	-14.327
0.500	20.811	0.0	0.0	-0.506	27.808	49.125	-7.502
0.750	20.811	0.0	0.0	-0.394	21.045	42.300	-0.677
1.000	20.811	0.0	0.0	-0.282	14.382	35.475	6.148

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FM	1.716	0.0	0.0	-27.598	15.175	44.489	-81.058
0.250	1.716	0.0	0.0	-31.233	5.658	38.607	-55.176
0.500	1.716	0.0	0.0	-34.869	-3.860	40.444	-37.013
0.750	1.716	0.0	0.0	-38.505	-13.377	53.597	-50.166
1.000	1.716	0.0	0.0	-42.140	-22.895	66.750	-63.319

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LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FM	-343.593	0.0	0.0	53.600	77.177	-212.816	-874.370
0.250	-343.593	0.0	0.0	47.492	60.360	-235.741	-851.445
0.500	-343.593	0.0	0.0	41.384	43.543	-258.666	-828.520
0.750	-343.593	0.0	0.0	35.276	26.726	-241.591	-805.595
1.000	-343.593	0.0	0.0	29.168	9.910	-304.516	-382.670

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FM	510.714	0.0	0.0	-181.519	-35.862	728.095	293.533

0.250	510.714	0.0	0.0	-155.269	-32.885	698.868	322.561
0.500	510.714	0.0	0.0	-129.019	-29.907	669.641	351.788
0.750	510.714	0.0	0.0	-102.770	-26.930	640.414	391.015
1.000	510.714	0.0	0.0	-76.520	-23.952	611.187	410.242

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	204.124	0.0	0.0	69.872	35.130	309.126	99.122
0.250	204.124	0.0	0.0	56.205	36.172	296.501	111.747
0.500	204.124	0.0	0.0	42.537	37.214	283.875	124.373
0.750	204.124	0.0	0.0	28.870	38.256	271.250	136.998
1.000	204.124	0.0	0.0	15.202	39.298	258.625	149.623

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-10.142	0.0	0.0	16.550	48.498	54.906	-75.190
0.250	-10.142	0.0	0.0	15.355	45.332	50.505	-70.829
0.500	-10.142	0.0	0.0	14.160	42.166	46.184	-66.467
0.750	-10.142	0.0	0.0	12.965	39.000	41.823	-62.108
1.000	-10.142	0.0	0.0	11.769	35.834	37.461	-57.745

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /-----/ STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	10.353	0.0	0.0	-13.462	11.835	35.650	-14.984
0.250	10.353	0.0	0.0	-12.591	11.164	34.108	-13.402
0.500	10.353	0.0	0.0	-11.720	10.494	32.566	-11.860
0.750	10.353	0.0	0.0	-10.848	9.823	31.024	-10.318
1.000	10.353	0.0	0.0	-9.977	9.152	29.482	-8.776

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-228.426	0.0	0.0	-21.898	156.205	-50.323	-406.529
0.250		-228.426	0.0	0.0	-15.965	106.464	-105.998	-350.854
0.500		-228.426	0.0	0.0	-10.031	56.722	-161.673	-295.179
0.750		-228.426	0.0	0.0	-4.097	6.981	-217.348	-234.504
1.000		-228.426	0.0	0.0	1.837	-42.760	-183.829	-273.023

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-527.756	0.0	0.0	-139.403	106.508	-279.844	-775.667
0.250		-527.756	0.0	0.0	-121.527	82.463	-323.765	-731.746
0.500		-527.756	0.0	0.0	-103.652	56.419	-367.685	-687.826
0.750		-527.756	0.0	0.0	-85.776	30.374	-411.605	-643.908
1.000		-527.756	0.0	0.0	-67.900	4.329	-455.526	-599.985

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	201.168	0.0	0.0	-75.680	45.975	322.823	79.513
0.250		201.168	0.0	0.0	-62.410	44.835	308.414	93.922
0.500		201.168	0.0	0.0	-49.140	43.696	294.004	108.332
0.750		201.168	0.0	0.0	-35.870	42.556	279.594	122.742
1.000		201.168	0.0	0.0	-22.600	41.417	265.185	137.151

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-4.717	0.0	0.0	-20.374	51.664	67.321	-76.755
0.250		-4.717	0.0	0.0	-19.087	47.608	61.978	-71.412
0.500		-4.717	0.0	0.0	-17.799	43.553	56.633	-66.069

0.750	-8.717	0.0	0.0	-18.511	39.497	51.291	-60.725
1.000	-8.717	0.0	0.0	-15.224	35.481	45.988	-55.382

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /-----/ STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-14.310	0.0	0.0	-60.406	4.569	50.666	-79.285
0.250	-14.310	0.0	0.0	-56.820	4.111	46.622	-75.261
0.500	-14.310	0.0	0.0	-53.234	3.654	42.578	-71.197
0.750	-14.310	0.0	0.0	-49.647	3.197	38.535	-67.154
1.000	-14.310	0.0	0.0	-46.061	2.740	34.491	-63.110

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LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /-----/ STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	607.305	0.0	0.0	-56.156	176.541	640.002	374.608
0.250	607.305	0.0	0.0	15.937	71.151	698.394	520.217
0.500	607.305	0.0	0.0	68.031	-34.239	729.575	485.035
0.750	607.305	0.0	0.0	160.124	-139.630	907.059	507.551
1.000	607.305	0.0	0.0	232.217	-245.020	1084.543	130.068

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /-----/ STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	40.664	0.0	0.0	-83.477	-13.068	137.209	-55.882
0.250	40.664	0.0	0.0	-24.023	-31.523	96.210	-14.882
0.500	40.664	0.0	0.0	35.432	-49.979	126.075	-44.787
0.750	40.664	0.0	0.0	94.887	-66.434	203.965	-122.657
1.000	40.664	0.0	0.0	154.342	-86.884	281.895	-200.567

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	170,906	0.0	0.0	-1,271	-66,321	280,497	101,315
0.250	170,906	0.0	0.0	0,910	-45,291	217,107	126,705
0.500	170,906	0.0	0.0	3,090	-22,261	196,258	145,554
0.750	170,906	0.0	0.0	5,271	0,768	176,945	164,867
1,000	170,906	0.0	0.0	7,451	23,798	202,155	139,657

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	13,610	0.0	0.0	-2,168	11,497	27,275	-0,055
0.250	13,610	0.0	0.0	0,163	8,439	22,232	4,989
0.500	13,610	0.0	0.0	2,533	5,581	21,524	5,696
0.750	13,610	0.0	0.0	4,884	2,323	20,817	6,403
1,000	13,610	0.0	0.0	7,235	-0,755	21,579	5,661

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	2,506	0.0	0.0	-44,467	-10,634	66,608	-61,596
0.250	2,506	0.0	0.0	-34,069	-16,429	53,004	-87,992
0.500	2,506	0.0	0.0	-25,671	-13,223	39,400	-34,368
0.750	2,506	0.0	0.0	-15,273	-10,017	25,796	-20,744
1,000	2,506	0.0	0.0	-2,675	-6,811	12,192	-7,180

MEMBER 107

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-301.900	0.0	0.0	20.700	10.953	-200.203	-305.605
0.250		-301.900	0.0	0.0	19.060	4.760	-317.313	-300.574
0.500		-301.900	0.0	0.0	11.024	-5.424	-325.496	-350.392
0.750		-301.900	0.0	0.0	2.182	-15.613	-324.109	-359.739
1.000		-301.900	0.0	0.0	-6.660	-25.801	-309.403	-374.405

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	500.100	0.0	0.0	-74.993	-31.377	014.550	401.610	
0.250		500.100	0.0	0.0	-44.526	-25.151	581.057	434.503	
0.500		500.100	0.0	0.0	-22.059	-18.926	549.165	467.195	
0.750		500.100	0.0	0.0	4.400	-12.701	525.289	491.071	
1.000		500.100	0.0	0.0	30.875	-6.475	545.531	470.830	

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	100.614	0.0	0.0	25.255	-5.721	193.591	135.637	
0.250		100.614	0.0	0.0	12.679	-4.781	182.073	147.154	
0.500		100.614	0.0	0.0	0.102	-5.840	170.556	158.671	
0.750		100.614	0.0	0.0	-12.475	-6.900	183.988	145.239	
1.000		100.614	0.0	0.0	-25.051	-7.959	197.624	131.603	

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-10.235	0.0	0.0	11.667	35.230	36.668	-57.139	
0.250		-10.235	0.0	0.0	9.674	28.935	28.374	-46.840	
0.500		-10.235	0.0	0.0	7.682	22.633	20.080	-40.550	
0.750		-10.235	0.0	0.0	5.689	16.331	11.785	-32.255	
1.000		-10.235	0.0	0.0	3.697	10.029	3.491	-23.461	

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	161.729	0.0	0.0	-32.535	-1.265	195.529	127.928
0.250		161.729	0.0	0.0	-20.436	-6.581	188.746	134.711
0.500		161.729	0.0	0.0	-8.536	-11.898	181.963	141.494
0.750		161.729	0.0	0.0	3.763	-17.215	182.706	140.751
1.000		161.729	0.0	0.0	15.863	-22.531	200.123	123.535

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-4.795	0.0	0.0	-15.085	34.923	45.213	-54.804
0.250			-4.795	0.0	0.0	-12.807	26.869	34.880	-44.471
0.500			-4.795	0.0	0.0	-10.528	18.815	24.547	-34.138
0.750			-4.795	0.0	0.0	-8.249	10.760	14.214	-23.805
1.000			-4.795	0.0	0.0	-5.971	2.706	3.881	-13.472

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-14.275	0.0	0.0	-45.854	2.899	34.478	-63.028
0.250			-14.275	0.0	0.0	-34.060	1.995	25.781	-54.531
0.500			-14.275	0.0	0.0	-30.267	1.091	17.084	-45.633
0.750			-14.275	0.0	0.0	-22.474	0.187	8.586	-36.936
1.000			-14.275	0.0	0.0	-14.681	-0.717	1.123	-29.672

MEMBER 189

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-359.013	0.0	0.0	-15.201	-34.602	-309.209	-408.817
0.250			-359.013	0.0	0.0	-14.834	-26.375	-317.804	-400.222
0.500			-359.013	0.0	0.0	-14.467	-18.147	-326.599	-391.627
0.750			-359.013	0.0	0.0	-14.100	-9.919	-334.994	-385.032

1.000 -359.015 0.0 0.0 -15.733 -1.692 -343.589 -374.438

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	532.008	0.0	44.325	2.932	579.264	484.750
0.250		532.008	0.0	38.537	5.775	576.320	487.695
0.500		532.008	0.0	32.750	8.618	573.375	490.640
0.750		532.008	0.0	26.963	11.460	570.430	493.584
1.000		532.008	0.0	21.176	14.303	567.486	496.529

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	119.900	0.0	-11.283	-57.749	188.932	50.868
0.250		119.900	0.0	-9.614	-42.057	171.571	68.229
0.500		119.900	0.0	-7.945	-28.365	154.210	85.590
0.750		119.900	0.0	-6.277	-10.673	136.849	102.951
1.000		119.900	0.0	-4.608	5.019	129.527	110.273

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-9.753	0.0	4.039	11.509	5.795	-25.301
0.250		-9.753	0.0	3.192	7.806	1.246	-20.752
0.500		-9.753	0.0	2.346	4.103	-3.504	-16.202
0.750		-9.753	0.0	1.500	0.401	-7.653	-11.653
1.000		-9.753	0.0	0.653	-3.302	-5.798	-15.709

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	10.681	0.0	-4.334	3.719	18.734	2.628
0.250		10.681	0.0	-3.816	2.949	17.446	3.916

0.500	10.681	0.0	0.0	0.0	2.179	16.156	5.204
0.750	10.681	0.0	0.0	-3.298	1.409	14.870	6.891
1.000	10.681	0.0	0.0	-2.263	0.639	13.583	7.779

MEMBER 190

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-240.104	0.0	44.336	-359.824	164.055	-644.264
0.250		-240.104	0.0	44.952	-391.292	196.140	-676.348
0.500		-240.104	0.0	45.569	-422.761	228.225	-708.433
0.750		-240.104	0.0	46.185	-454.229	260.310	-740.518
1.000		-240.104	0.0	46.802	-485.697	292.394	-772.603

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-551.451	0.0	13.520	-216.255	-321.677	-781.226
0.250		-551.451	0.0	6.336	-246.383	-298.752	-804.171
0.500		-551.451	0.0	-0.847	-276.512	-274.093	-828.810
0.750		-551.451	0.0	-8.031	-306.641	-236.780	-846.123
1.000		-551.451	0.0	-15.214	-336.770	-199.468	-903.435

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	117.101	0.0	1.784	-72.704	191.589	42.612
0.250		117.101	0.0	-0.358	-59.824	177.082	57.119
0.500		117.101	0.0	-2.499	-46.544	166.144	68.057
0.750		117.101	0.0	-4.641	-33.464	155.206	78.995
1.000		117.101	0.0	-6.783	-20.384	144.268	89.934

FRM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.009	0.0	0.0	-0.156	0.020	-0.184
0.250		-0.009	0.0	0.0	-0.105	0.242	-0.259
0.500		-0.009	0.0	0.0	-0.054	0.316	-0.334
0.750		-0.009	0.0	0.0	-0.003	0.391	-0.408
1.000		-0.009	0.0	0.048	0.522	0.562	-0.579

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FRM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	7.935	0.0	0.0	-0.867	9.424	6.445
0.250		7.935	0.0	0.0	-0.301	8.545	7.324
0.500		7.935	0.0	0.0	0.265	8.203	7.666
0.750		7.935	0.0	0.851	-0.317	9.085	6.787
1.000		7.935	0.0	1.597	-0.630	9.962	5.908

MEMBER 134

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FRM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-674.314	0.0	0.0	-112.799	-324.967	-1023.661
0.250		-674.314	0.0	0.0	-62.893	-880.182	-868.486
0.500		-674.314	0.0	0.0	-12.987	-635.396	-713.231
0.750		-674.314	0.0	0.0	36.919	-558.016	-790.611
1.000		-674.314	0.0	86.825	-184.688	-402.601	-945.826

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FRM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-580.426	0.0	0.0	-52.652	-187.924	-580.928

-186.426	0.0	-21.927	02.646	-279.953	-488.999
-190.426	0.0	0.797	21.441	-354.187	-814.665
-194.426	0.0	39.522	-59.763	-305.140	-463.711
-198.426	0.0	70.247	-100.967	-215.211	-555.040

GRAVITY AND BUOYANCY

	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	4.796	-4.100	-7.449	-25.242
	0.0	3.724	-5.039	-7.583	-25.108
	0.0	2.652	-5.977	-7.716	-24.975
	0.0	1.579	-6.916	-7.850	-24.841
	0.0	0.507	-7.855	-7.984	-24.707

ALTERNATING IN Y-DIRECTION

	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	2.000	4.191	64.989	-15.305
	0.0	2.760	2.427	-7.156	-13.134
	0.0	3.521	0.763	-9.323	-10.971
	0.0	4.282	-1.101	-11.490	-8.806
	0.0	5.043	-2.435	-13.657	-6.641

ALTERNATING IN Z-DIRECTION

	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	21.371	0.029	63.053	89.253
	0.0	20.955	0.192	64.607	87.294
	0.0	20.539	0.356	66.161	85.335
	0.0	20.123	0.520	67.715	83.376
	0.0	19.707	0.684	69.269	81.417

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	544.879	0.0	0.0	-16.274	184.497	745.649	344.108
0.250	544.879	0.0	0.0	-24.029	98.036	666.943	422.814
0.500	544.879	0.0	0.0	-31.783	11.575	586.237	501.521
0.750	544.879	0.0	0.0	-39.537	-74.686	659.302	430.456
1.000	544.879	0.0	0.0	-47.292	-161.347	753.517	336.240

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-260.740	0.0	0.0	-78.536	43.217	-136.987	-382.493
0.250	-260.740	0.0	0.0	-34.555	27.953	-194.232	-327.248
0.500	-260.740	0.0	0.0	1.427	12.690	-246.623	-274.856
0.750	-260.740	0.0	0.0	41.408	-2.573	-216.759	-304.721
1.000	-260.740	0.0	0.0	81.390	-17.837	-161.514	-359.966

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	4.947	0.0	0.0	7.442	6.787	21.176	-11.282
0.250	4.947	0.0	0.0	6.806	5.519	17.272	-7.379
0.500	4.947	0.0	0.0	6.171	2.251	13.369	-3.475
0.750	4.947	0.0	0.0	5.535	-1.016	11.498	-1.605
1.000	4.947	0.0	0.0	4.900	-4.284	14.131	-4.237

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	7.798	0.0	0.0	-0.581	2.754	11.094	4.503
0.250	7.798	0.0	0.0	-0.599	1.702	10.099	5.497
0.500	7.798	0.0	0.0	-0.656	0.651	9.105	6.491

0.750	7.798	0.0	0.0	-0.714	-0.401	0.913	0.003
1.000	7.798	0.0	0.0	-0.771	-1.453	10.023	5.574

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-3.280	0.0	-2.226	2.560	1.506	-8.067
0.250		-3.280	0.0	-1.339	1.708	-0.233	-6.328
0.500		-3.280	0.0	-0.452	0.856	-1.972	-4.588
0.750		-3.280	0.0	0.435	0.003	-2.842	-3.719
1.000		-3.280	0.0	1.322	-0.849	-1.109	-5.451

MEMBER 136

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-50.641	0.0	3.256	-80.425	33.040	-134.322
0.250		-50.641	0.0	-3.043	-56.615	9.017	-110.299
0.500		-50.641	0.0	-9.342	-32.804	-8.495	-92.787
0.750		-50.641	0.0	-15.640	-8.994	-26.007	-75.276
1.000		-50.641	0.0	-21.939	14.816	-13.886	-87.396

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-289.036	0.0	-166.023	-4.449	-96.564	-481.508
0.250		-289.036	0.0	-137.900	-12.448	-138.688	-439.384
0.500		-289.036	0.0	-87.776	-20.447	-160.813	-397.260
0.750		-289.036	0.0	-37.653	-28.446	-222.937	-355.135
1.000		-289.036	0.0	12.471	-56.446	-250.119	-337.953

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FRUM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-87.107	0.0	0.0	647.773	-5.557	566.223	-740.438
0.250			-87.107	0.0	0.0	3.9248	-2.186	234.326	-408.541
0.500			-87.107	0.0	0.0	-9.277	1.186	-76.645	-97.570
0.750			-87.107	0.0	0.0	337.802	4.557	255.251	-429.866
1.000			-87.107	0.0	0.0	-666.327	7.928	587.148	-761.363

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FRUM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-2.262	0.0	0.0	-0.045	0.454	-1.763	-2.761
0.250			-2.262	0.0	0.0	-0.068	0.213	-1.980	-2.544
0.500			-2.262	0.0	0.0	-0.091	-0.027	-2.144	-2.381
0.750			-2.262	0.0	0.0	-0.115	-0.268	-1.880	-2.644
1.000			-2.262	0.0	0.0	-0.138	-0.508	-1.616	-2.908

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FRUM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-4.326	0.0	0.0	-2.109	0.785	-1.432	-7.220
0.250			-4.326	0.0	0.0	-1.553	0.477	-2.296	-6.356
0.500			-4.326	0.0	0.0	-0.998	0.168	-3.160	-5.493
0.750			-4.326	0.0	0.0	-0.443	-0.141	-3.742	-4.910
1.000			-4.326	0.0	0.0	0.112	-0.449	-3.765	-4.887

MEMBER 137

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FRUM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-6.408	0.0	0.0	-0.092	-0.290	-4.027	-4.790
0.250		-4.408	0.0	0.0	0.425	-0.356	-3.627	-5.189
0.500		-4.408	0.0	0.0	0.941	-0.422	-3.045	-5.771
0.750		-4.408	0.0	0.0	1.457	-0.488	-2.463	-6.354
1.000		-6.408	0.0	0.0	1.974	-0.554	-1.890	-6.936

MEMBER 138

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	372.007	0.0	0.0	-143.599	65.426	581.032	162.982
0.250		372.007	0.0	0.0	-106.933	36.786	515.727	228.287
0.500		372.007	0.0	0.0	-70.268	8.146	450.422	293.592
0.750		372.007	0.0	0.0	-35.603	-20.494	426.104	317.910
1.000		372.007	0.0	0.0	3.062	-49.134	424.203	319.812

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	146.099	0.0	0.0	-79.616	63.704	289.419	2.779
0.250		146.099	0.0	0.0	-53.759	39.573	239.431	52.767
0.500		146.099	0.0	0.0	-27.903	15.441	189.444	102.755
0.750		146.099	0.0	0.0	-2.047	-8.690	156.836	135.362
1.000		146.099	0.0	0.0	23.809	-32.821	202.750	89.469

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-23.293	-29.527	4.571	-101.048
0.250		0.0	0.0	-16.595	-4.193	-27.460	-69.016
0.500		0.0	0.0	-9.887	21.140	-17.211	-79.266
0.750		0.0	0.0	-3.189	46.476	1.425	-97.902
1.000		0.0	0.0	3.509	71.807	27.076	-125.556

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-9.193	-50.852	-217.224	-537.313
0.250		0.0	0.0	39.431	-21.296	-216.541	-537.996
0.500		0.0	0.0	86.055	8.260	-180.953	-575.584
0.750		0.0	0.0	136.679	37.816	-102.773	-451.764
1.000		0.0	0.0	185.503	67.372	-24.593	-529.984

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-667.084	9.575	569.559	-763.761
0.250		0.0	0.0	-336.732	3.578	253.208	-427.411
0.500		0.0	0.0	-6.380	-2.420	-78.302	-95.901
0.750		0.0	0.0	523.973	-8.418	245.289	-419.492
1.000		0.0	0.0	654.325	-14.415	561.639	-755.882

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-0.170	-1.056	-1.016	-3.467
0.250		0.0	0.0	-0.055	-0.258	-1.928	-2.555
0.500		0.0	0.0	0.059	0.500	-1.643	-2.840
0.750		0.0	0.0	0.173	1.538	-0.731	-3.752
1.000		0.0	0.0	0.287	2.135	0.182	-4.668

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FR	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-76.199	0.0	0.0	-650.360	1.620	573.981	-730.379
0.250	-76.199	0.0	0.0	-321.243	-0.470	283.514	-399.913
0.500	-76.199	0.0	0.0	7.873	-2.761	-67.566	-86.633
0.750	-76.199	0.0	0.0	336.989	-5.051	263.841	-420.240
1.000	-76.199	0.0	0.0	666.106	-7.342	595.248	-751.667

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	4.694	0.0	0.0	-1.467	2.042	0.203	1.184
0.250	4.694	0.0	0.0	-1.092	1.258	7.043	2.364
0.500	4.694	0.0	0.0	-0.717	0.473	5.884	3.503
0.750	4.694	0.0	0.0	-0.342	-0.311	5.346	4.041
1.000	4.694	0.0	0.0	0.033	-1.095	5.822	3.565

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.454	0.0	0.0	-0.627	-0.730	2.011	-1.104
0.250	0.454	0.0	0.0	-0.581	-0.431	1.466	-0.559
0.500	0.454	0.0	0.0	-0.334	-0.132	0.920	-0.013
0.750	0.454	0.0	0.0	-0.088	0.167	0.708	0.199
1.000	0.454	0.0	0.0	0.159	0.466	1.078	-0.171

MEMBER 139

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	361.053	0.0	0.0	-16.271	-33.306	410.631	311.476
0.250	361.053	0.0	0.0	27.009	-32.225	420.268	501.819
0.500	361.053	0.0	0.0	70.269	-31.148	462.487	259.620
0.750	361.053	0.0	0.0	113.569	-30.063	504.686	217.421

1.000 361.053 0.0 0.0 156.850 -26.983 566.886 175.221

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	141.561	0.0	0.0	15.695	-4.116	161.372	121.750
0.250		141.561	0.0	0.0	28.165	-11.029	180.756	102.567
0.500		141.561	0.0	0.0	40.635	-17.982	200.139	82.944
0.750		141.561	0.0	0.0	53.105	-24.855	219.522	63.601
1.000		141.561	0.0	0.0	65.575	-31.769	238.905	44.218

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-76.324	0.0	0.0	666.558	-9.726	597.960	-754.608
0.250		-76.324	0.0	0.0	537.149	-3.826	262.651	-419.299
0.500		-76.324	0.0	0.0	7.740	2.074	-68.511	-86.138
0.750		-76.324	0.0	0.0	-321.669	7.973	251.518	-407.967
1.000		-76.324	0.0	0.0	-651.079	13.815	596.627	-745.276

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	4.742	0.0	0.0	-0.132	-0.685	5.559	3.925
0.250		4.742	0.0	0.0	0.302	-0.639	5.684	3.801
0.500		4.742	0.0	0.0	0.737	-0.593	6.073	3.612
0.750		4.742	0.0	0.0	1.172	-0.548	6.461	3.023
1.000		4.742	0.0	0.0	1.606	-0.502	6.850	2.634

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.513	0.0	0.0	0.082	0.937	1.532	-0.506
0.250		0.513	0.0	0.0	0.164	0.025	0.702	0.325

0.500	0.513	0.0	0.0	0.256	-0.888	1.647	-0.620
0.750	0.513	0.0	0.0	0.328	-1.600	2.641	-1.614
1.000	0.513	0.0	0.0	0.410	-2.713	3.634	-2.609

MEMBER 140

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-245.821	0.0	0.0	137.212	-82.698	-25.911	-465.731
0.250	-245.821	0.0	0.0	104.375	-50.337	-91.109	-400.533
0.500	-245.821	0.0	0.0	71.538	-17.977	-156.307	-335.335
0.750	-245.821	0.0	0.0	38.700	14.384	-192.737	-298.906
1.000	-245.821	0.0	0.0	5.863	46.745	-193.213	-298.429

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	166.714	0.0	0.0	-107.847	-4.164	278.725	54.703
0.250	166.714	0.0	0.0	-76.435	-8.871	250.421	83.008
0.500	166.714	0.0	0.0	-41.823	-13.578	222.116	111.313
0.750	166.714	0.0	0.0	-8.811	-18.285	193.811	139.617
1.000	166.714	0.0	0.0	24.200	-22.992	213.907	119.522

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-88.946	0.0	0.0	656.184	10.589	577.827	-755.719
0.250	-88.946	0.0	0.0	325.439	6.002	242.496	-420.367
0.500	-88.946	0.0	0.0	-5.306	1.416	-82.224	-95.667
0.750	-88.946	0.0	0.0	-336.051	-3.170	250.275	-28.167
1.000	-88.946	0.0	0.0	-666.796	-7.757	585.606	-763.498

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-3.693	0.0	1.301	0.517	-2.076	-5.711
0.250		-3.693	0.0	0.994	0.378	-2.521	-5.265
0.500		-3.693	0.0	0.687	0.240	-2.967	-4.820
0.750		-3.693	0.0	0.380	0.101	-3.412	-4.374
1.000		-3.693	0.0	0.073	-0.037	-3.783	-4.003

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.812	0.0	-1.310	1.267	4.397	-0.773
0.250		1.812	0.0	-0.920	0.651	3.392	0.232
0.500		1.812	0.0	-0.541	0.034	2.387	1.237
0.750		1.812	0.0	-0.152	-0.583	2.547	1.077
1.000		1.812	0.0	0.236	-1.199	3.248	0.376

MEMBER 141

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-256.017	0.0	20.632	33.557	-201.828	-310.206
0.250		-256.017	0.0	-18.610	31.433	-205.974	-306.060
0.500		-256.017	0.0	-57.852	29.309	-168.857	-343.178
0.750		-256.017	0.0	-97.094	27.184	-131.739	-380.296
1.000		-256.017	0.0	-136.336	25.060	-94.621	-417.413

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	174.499	0.0	0.0	13.464	209.366	139.613
0.250		174.499	0.0	0.0	34.492	217.805	131.193
0.500		174.499	0.0	0.0	55.620	234.013	114.985
0.750		174.499	0.0	0.0	76.747	267.849	81.149
1.000		174.499	0.0	0.0	97.875	301.685	47.313

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-88.927	0.0	0.0	-665.798	582.489	-760.343
0.250		-88.927	0.0	0.0	-538.052	252.716	-450.769
0.500		-88.927	0.0	0.0	-10.306	-76.658	-101.196
0.750		-88.927	0.0	0.0	317.440	228.688	-406.502
1.000		-88.927	0.0	0.0	645.186	557.951	-735.804

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-3.845	0.0	0.0	0.194	-3.639	-4.051
0.250		-3.845	0.0	0.0	-0.191	-3.463	-4.226
0.500		-3.845	0.0	0.0	-0.576	-2.876	-4.814
0.750		-3.845	0.0	0.0	-0.961	-2.289	-5.401
1.000		-3.845	0.0	0.0	-1.346	-1.702	-5.988

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.780	0.0	0.0	0.149	5.266	0.293
0.250		1.780	0.0	0.0	0.412	2.495	1.065
0.500		1.780	0.0	0.0	0.675	0.732	0.373
0.750		1.780	0.0	0.0	0.938	1.767	-0.925
1.000		1.780	0.0	0.0	1.201	5.782	-2.222

MEMBER 102

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-45.571	-48.682	90.710	-97.797
0.250		0.0	0.0	-30.715	-50.111	57.282	-64.369
0.500		0.0	0.0	-15.858	-11.539	23.854	-30.941
0.750		0.0	0.0	-1.001	7.032	4.490	-11.577
1.000		0.0	0.0	13.856	25.603	35.915	-43.003

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

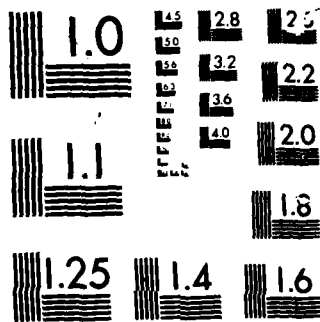
DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	23.131	-4.533	40.451	-14.877
0.250		0.0	0.0	30.193	-4.940	47.920	-22.346
0.500		0.0	0.0	37.256	-5.346	55.389	-29.815
0.750		0.0	0.0	44.318	-5.753	62.859	-37.284
1.000		0.0	0.0	51.380	-6.160	70.328	-44.754

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	3.779	1.711	5.094	-5.668
0.250		0.0	0.0	3.599	0.766	3.968	-4.762
0.500		0.0	0.0	3.418	-0.179	3.200	-3.994
0.750		0.0	0.0	3.237	-1.124	3.965	-4.758
1.000		0.0	0.0	3.057	-2.069	4.729	-5.523

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	3.779	1.711	5.094	-5.668
0.250		0.0	0.0	3.599	0.766	3.968	-4.762
0.500		0.0	0.0	3.418	-0.179	3.200	-3.994
0.750		0.0	0.0	3.237	-1.124	3.965	-4.758
1.000		0.0	0.0	3.057	-2.069	4.729	-5.523



MICROCOPY RESOLUTION TEST CHART

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FR	0.0	0.250	0.500	0.750	1.000
AXIAL	0.069	0.069	0.069	0.069	0.069
Y SHEAR	0.0	0.0	0.0	0.0	0.0
Z SHEAR	0.0	0.0	0.0	0.0	0.0
Y BENDING	-0.486	-0.286	-0.126	0.034	0.194
Z BENDING	-0.435	-0.321	-0.208	-0.094	0.020
MAX NORMAL	0.949	0.676	0.403	0.197	0.263
MIN NORMAL	-0.611	-0.537	-0.264	-0.059	-0.194

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	-0.130	0.0	0.0	0.246	0.299	0.615	-0.675
0.250	-0.130	0.0	0.0	0.302	0.202	0.373	-0.633
0.500	-0.130	0.0	0.0	0.357	0.104	0.232	-0.591
0.750	-0.130	0.0	0.0	0.413	0.007	0.290	-0.550
1.000	-0.130	0.0	0.0	0.469	-0.091	0.429	-0.609

MEMBER 105

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	-9.125	0.0	0.0	48.990	48.771	88.636	-106.886
0.250	-9.125	0.0	0.0	35.290	29.401	55.606	-73.856
0.500	-9.125	0.0	0.0	21.591	10.111	22.576	-40.827
0.750	-9.125	0.0	0.0	7.891	-9.219	7.984	-26.234
1.000	-9.125	0.0	0.0	-5.609	-28.549	25.233	-43.483

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	-9.333	0.0	0.0	13.316	27.129	31.112	-49.777
0.250	-9.333	0.0	0.0	23.673	10.772	25.112	-43.778
0.500	-9.333	0.0	0.0	34.031	-5.585	30.285	-48.948

0.750 -0.333 0.0 0.0 44.388 -21.941 56.997 -75.662
 1.000 -0.333 0.0 0.0 58.745 -38.298 63.711 -102.376

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.559	0.0	0.0	-1.952	-1.909	3.302	-4.420
0.250	0.559	0.0	0.0	-2.645	-0.622	2.908	-6.026
0.500	0.559	0.0	0.0	-3.337	0.265	3.083	-4.161
0.750	0.559	0.0	0.0	-4.030	1.352	6.823	-5.940
1.000	0.559	0.0	0.0	-4.722	2.439	6.602	-7.720

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.031	0.0	0.0	0.512	0.770	1.315	-1.250
0.250	0.031	0.0	0.0	0.370	0.411	0.612	-0.750
0.500	0.031	0.0	0.0	0.228	0.052	0.311	-0.289
0.750	0.031	0.0	0.0	0.087	-0.308	0.425	-0.363
1.000	0.031	0.0	0.0	-0.055	-0.667	0.753	-0.690

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.150	0.0	0.0	0.062	-0.051	0.263	0.038
0.250	0.150	0.0	0.0	0.203	-0.138	0.491	-0.190
0.500	0.150	0.0	0.0	0.344	-0.225	0.719	-0.419
0.750	0.150	0.0	0.0	0.484	-0.313	0.948	-0.647
1.000	0.150	0.0	0.0	0.625	-0.400	1.176	-0.875

MEMBER 100

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	12.436	0.0	0.0	3.580	52.963	-26.090
0.250		12.436	0.0	0.0	0.976	51.367	-26.095
0.500		12.436	0.0	0.0	-1.428	52.628	-27.756
0.750		12.436	0.0	0.0	-3.832	55.840	-30.968
1.000		12.436	0.0	0.0	-6.236	59.052	-34.180

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-3.249	0.0	0.0	2.930	34.289	-40.786
0.250		-3.249	0.0	0.0	-3.999	18.284	-22.782
0.500		-3.249	0.0	0.0	11.929	11.221	-17.718
0.750		-3.249	0.0	0.0	-17.858	37.228	-45.722
1.000		-3.249	0.0	0.0	-24.788	63.228	-69.725

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.301	0.0	0.0	-5.275	7.603	-8.206
0.250		-0.301	0.0	0.0	-6.601	5.772	-6.378
0.500		-0.301	0.0	0.0	-8.327	4.111	-4.714
0.750		-0.301	0.0	0.0	-3.853	4.995	-5.597
1.000		-0.301	0.0	0.0	-3.379	5.878	-6.481

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.107	0.0	0.0	-0.363	0.332	-0.587
0.250		-0.107	0.0	0.0	-0.352	0.361	-0.575
0.500		-0.107	0.0	0.0	-0.341	0.389	-0.608
0.750		-0.107	0.0	0.0	-0.330	0.418	-0.633
1.000		-0.107	0.0	0.0	-0.318	0.447	-0.661

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.030	0.0	0.0	-0.300	0.594	0.752	-0.813
0.250		-0.030	0.0	0.0	-0.168	0.136	0.274	-0.335
0.500		-0.030	0.0	0.0	0.053	-0.121	0.144	-0.204
0.750		-0.030	0.0	0.0	0.273	-0.379	0.622	-0.682
1.000		-0.030	0.0	0.0	0.494	-0.636	1.100	-1.161

MEMBER 105

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-136.429	0.0	0.0	0.204	-0.354	-135.867	-136.990
0.250		-136.429	0.0	0.0	0.137	-0.355	-135.937	-136.920
0.500		-136.429	0.0	0.0	0.070	-0.352	-136.007	-136.850
0.750		-136.429	0.0	0.0	0.005	-0.349	-136.077	-136.780
1.000		-136.429	0.0	0.0	-0.064	-0.345	-136.019	-136.836

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	268.039	0.0	0.0	-0.567	-0.193	268.800	267.279
0.250		268.039	0.0	0.0	-0.436	-0.199	268.674	267.804
0.500		268.039	0.0	0.0	-0.304	-0.205	268.549	267.530
0.750		268.039	0.0	0.0	-0.172	-0.212	268.423	267.656
1.000		268.039	0.0	0.0	-0.041	-0.216	268.297	267.781

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-88.555	0.0	0.0	0.316	-0.025	-88.116	-88.995
0.250	-88.555	0.0	0.0	0.312	-0.016	-88.225	-88.885
0.500	-88.555	0.0	0.0	0.208	-0.013	-88.334	-88.776
0.750	-88.555	0.0	0.0	0.104	-0.006	-88.443	-88.667
1.000	-88.555	0.0	0.0	-0.001	-0.003	-88.551	-88.559

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-2.054	0.0	0.0	0.004	-0.001	-2.049	-2.059
0.250	-2.054	0.0	0.0	0.003	-0.001	-2.050	-2.056
0.500	-2.054	0.0	0.0	0.002	-0.001	-2.051	-2.057
0.750	-2.054	0.0	0.0	0.001	-0.001	-2.052	-2.056
1.000	-2.054	0.0	0.0	-0.000	-0.001	-2.053	-2.055

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	2.187	0.0	0.0	-0.004	-0.000	2.191	2.182
0.250	2.187	0.0	0.0	-0.003	-0.000	2.190	2.183
0.500	2.187	0.0	0.0	-0.002	-0.000	2.189	2.184
0.750	2.187	0.0	0.0	-0.001	-0.000	2.188	2.185
1.000	2.187	0.0	0.0	-0.000	-0.000	2.187	2.186

MEMBER 186

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	136.430	136.430
0.250		0.0	0.0	0.0	0.0	136.430	136.430
0.500		0.0	0.0	0.0	0.0	136.430	136.430
0.750		0.0	0.0	0.0	0.0	136.430	136.430
1.000		0.0	0.0	0.0	0.0	136.430	136.430

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	-268.042	-268.042
0.250		0.0	0.0	0.0	0.0	-268.042	-268.042
0.500		0.0	0.0	0.0	0.0	-268.042	-268.042
0.750		0.0	0.0	0.0	0.0	-268.042	-268.042
1.000		0.0	0.0	0.0	0.0	-268.042	-268.042

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	88.477	0.0	0.0	0.0	88.477	88.477
0.250		88.477	0.0	0.0	0.0	88.477	88.477
0.500		88.477	0.0	0.0	0.0	88.477	88.477
0.750		88.477	0.0	0.0	0.0	88.477	88.477
1.000		88.477	0.0	0.0	0.0	88.477	88.477

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	2.054	0.0	0.0	0.0	2.054	2.054
0.250		2.054	0.0	0.0	0.0	2.054	2.054
0.500		2.054	0.0	0.0	0.0	2.054	2.054
0.750		2.054	0.0	0.0	0.0	2.054	2.054
1.000		2.054	0.0	0.0	0.0	2.054	2.054

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	-2.187	-2.187
0.250		0.0	0.0	0.0	0.0	-2.187	-2.187
0.500		0.0	0.0	0.0	0.0	-2.187	-2.187
0.750		0.0	0.0	0.0	0.0	-2.187	-2.187
1.000		0.0	0.0	0.0	0.0	-2.187	-2.187

MEMBER 187

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-0.159	-0.398	-116.939	-118.053
0.250		0.0	0.0	-0.101	-0.395	-117.000	-117.992
0.500		0.0	0.0	-0.043	-0.392	-117.060	-117.932
0.750		0.0	0.0	0.014	-0.390	-117.092	-117.900
1.000		0.0	0.0	0.072	-0.387	-117.037	-117.955

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-0.496	0.130	-237.390	-238.683
0.250		0.0	0.0	-0.379	0.136	-237.502	-238.531
0.500		0.0	0.0	-0.262	0.141	-237.613	-238.420
0.750		0.0	0.0	-0.145	0.147	-237.725	-238.308
1.000		0.0	0.0	-0.028	0.152	-237.836	-238.197

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-0.416	-0.028	-88.207	-89.098
0.250		0.0	0.0	-0.311	-0.023	-88.317	-88.985

0.500	-88.651	0.0	0.0	-0.207	-0.018	-88.426	-88.876
0.750	-88.651	0.0	0.0	-0.103	-0.013	-88.535	-88.766
1.000	-88.651	0.0	0.0	0.002	-0.008	-88.641	-88.660

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	-1.965	0.0	0.0	-0.004	-0.001	-1.970
0.250		-1.965	0.0	0.0	-0.003	-0.001	-1.969
0.500		-1.965	0.0	0.0	-0.002	-0.001	-1.968
0.750		-1.965	0.0	0.0	-0.001	-0.001	-1.967
1.000		-1.965	0.0	0.000	-0.001	-0.001	-1.966

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	-5.142	0.0	0.0	-0.006	-0.002	-5.149
0.250		-5.142	0.0	0.0	-0.004	-0.001	-5.136
0.500		-5.142	0.0	0.0	-0.003	-0.001	-5.134
0.750		-5.142	0.0	0.0	-0.001	-0.001	-5.134
1.000		-5.142	0.0	0.000	-0.001	-0.001	-5.143

MEMBER 140

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	FR	117.497	0.0	0.0	0.0	117.497	117.497
0.250		117.497	0.0	0.0	0.0	117.497	117.497
0.500		117.497	0.0	0.0	0.0	117.497	117.497
0.750		117.497	0.0	0.0	0.0	117.497	117.497
1.000		117.497	0.0	0.0	0.0	117.497	117.497

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	238.018	0.0	0.0	0.0	0.0	238.018	238.018
0.250	238.018	0.0	0.0	0.0	0.0	238.018	238.018
0.500	238.018	0.0	0.0	0.0	0.0	238.018	238.018
0.750	238.018	0.0	0.0	0.0	0.0	238.018	238.018
1.000	238.018	0.0	0.0	0.0	0.0	238.018	238.018

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	88.573	0.0	0.0	0.0	0.0	88.573	88.573
0.250	88.573	0.0	0.0	0.0	0.0	88.573	88.573
0.500	88.573	0.0	0.0	0.0	0.0	88.573	88.573
0.750	88.573	0.0	0.0	0.0	0.0	88.573	88.573
1.000	88.573	0.0	0.0	0.0	0.0	88.573	88.573

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	1.965	0.0	0.0	0.0	0.0	1.965	1.965
0.250	1.965	0.0	0.0	0.0	0.0	1.965	1.965
0.500	1.965	0.0	0.0	0.0	0.0	1.965	1.965
0.750	1.965	0.0	0.0	0.0	0.0	1.965	1.965
1.000	1.965	0.0	0.0	0.0	0.0	1.965	1.965

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
FROM START							
0.0	3.142	0.0	0.0	0.0	0.0	3.142	3.142
0.250	3.142	0.0	0.0	0.0	0.0	3.142	3.142
0.500	3.142	0.0	0.0	0.0	0.0	3.142	3.142
0.750	3.142	0.0	0.0	0.0	0.0	3.142	3.142

1.000 3.142 0.0 0.0 0.0 0.0 0.0 0.0 3.142 3.142

MEMBER 109

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX. NORMAL	MIN. NORMAL
0.0 FM	256.881	0.0	0.0	-0.116	0.258	257.251	256.512
0.250	256.881	0.0	0.0	-0.116	-0.190	257.187	256.575
0.500	256.881	0.0	0.0	-0.116	-0.127	257.124	256.638
0.750	256.881	0.0	0.0	-0.116	-0.063	257.061	256.702
1.000	256.881	0.0	0.0	-0.116	-0.000	256.997	256.765

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX. NORMAL	MIN. NORMAL
0.0 FM	-32.412	0.0	0.0	-0.745	0.032	-31.635	-33.189
0.250	-32.412	0.0	0.0	-0.745	0.024	-31.643	-33.181
0.500	-32.412	0.0	0.0	-0.745	0.016	-31.651	-33.173
0.750	-32.412	0.0	0.0	-0.745	0.008	-31.659	-33.165
1.000	-32.412	0.0	0.0	-0.745	-0.000	-31.667	-33.157

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX. NORMAL	MIN. NORMAL
0.0 FM	-82.929	0.0	0.0	-0.002	0.203	-82.724	-83.135
0.250	-82.929	0.0	0.0	-0.002	0.153	-82.775	-83.084
0.500	-82.929	0.0	0.0	-0.002	0.102	-82.825	-83.033
0.750	-82.929	0.0	0.0	-0.002	0.051	-82.876	-82.982
1.000	-82.929	0.0	0.0	-0.002	-0.000	-82.927	-82.932

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FR	32.412	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.412	32.412
0.250	32.412	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.412	32.412
0.500	32.412	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.412	32.412
0.750	32.412	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.412	32.412
1.000	32.412	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.412	32.412

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	82.851	0.0	0.0	0.0	82.851	82.851
0.250		82.851	0.0	0.0	0.0	82.851	82.851
0.500		82.851	0.0	0.0	0.0	82.851	82.851
0.750		82.851	0.0	0.0	0.0	82.851	82.851
1.000		82.851	0.0	0.0	0.0	82.851	82.851

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-1.457	0.0	0.0	0.0	-1.457	-1.457
0.250		-1.457	0.0	0.0	0.0	-1.457	-1.457
0.500		-1.457	0.0	0.0	0.0	-1.457	-1.457
0.750		-1.457	0.0	0.0	0.0	-1.457	-1.457
1.000		-1.457	0.0	0.0	0.0	-1.457	-1.457

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.701	0.0	0.0	0.0	1.701	1.701
0.250		1.701	0.0	0.0	0.0	1.701	1.701
0.500		1.701	0.0	0.0	0.0	1.701	1.701
0.750		1.701	0.0	0.0	0.0	1.701	1.701
1.000		1.701	0.0	0.0	0.0	1.701	1.701

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-5,178	0.0	0.0	-30,734	-25,616	53,172	-59,527
0.250		-5,178	0.0	0.0	-18,371	-14,045	29,238	-35,594
0.500		-5,178	0.0	0.0	-6,007	-2,475	5,305	-11,660
0.750		-5,178	0.0	0.0	6,556	9,095	12,274	-18,629
1.000		-5,178	0.0	0.0	18,720	20,665	36,207	-42,563

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1004,358	0.0	0.0	-37,608	7,418	1049,384	959,351
0.250		1004,358	0.0	0.0	-40,487	1,832	1046,676	962,039
0.500		1004,358	0.0	0.0	-43,566	-5,755	1051,478	957,237
0.750		1004,358	0.0	0.0	-46,244	-9,342	1059,944	948,771
1.000		1004,358	0.0	0.0	-49,123	-14,928	1068,409	940,306

LOADING 3 GRAVITY AND BUOYANCY

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-34,976	0.0	0.0	-23,645	-5,765	-5,566	-64,366
0.250		-34,976	0.0	0.0	-14,333	-3,644	-16,999	-52,454
0.500		-34,976	0.0	0.0	-5,021	-1,523	-28,432	-41,521
0.750		-34,976	0.0	0.0	4,291	0,597	-30,086	-39,865
1.000		-34,976	0.0	0.0	13,604	2,718	-18,655	-51,298

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0,103	0.0	0.0	-0,333	-0,135	0,571	-0,365

0.250	0.103	0.0	0.0	-0.187	0.017	0.307	-0.101
0.500	0.103	0.0	0.0	-0.040	0.169	0.311	-0.106
0.750	0.103	0.0	0.0	0.107	0.320	0.530	-0.324
1.000	0.103	0.0	0.0	0.253	0.472	0.628	-0.623

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	10.650	0.0	-0.716	0.414	11.781	9.520
0.250		10.650	0.0	-0.570	0.230	11.450	9.851
0.500		10.650	0.0	-0.423	0.045	11.119	10.182
0.750		10.650	0.0	-0.277	-0.139	11.066	10.234
1.000		10.650	0.0	-0.130	-0.324	11.104	10.196

MEMBER 152

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-5.916	0.0	23.960	41.751	59.796	-71.627
0.250		-5.916	0.0	14.961	25.180	34.225	-46.057
0.500		-5.916	0.0	5.962	8.608	8.654	-20.486
0.750		-5.916	0.0	-3.037	-7.963	5.084	-16.916
1.000		-5.916	0.0	-12.056	-24.535	30.655	-42.487

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-1006.470	0.0	9.216	-18.065	-979.190	-1033.751
0.250		-1006.470	0.0	-16.918	-8.174	-981.378	-1031.563
0.500		-1006.470	0.0	-43.051	1.717	-961.703	-1051.238
0.750		-1006.470	0.0	-69.185	11.607	-925.678	-1087.262
1.000		-1006.470	0.0	-95.318	21.498	-889.654	-1123.287

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	-59.787	0.0	0.0	19.635	-14.292	-5.861	-73.713
	0.250	-59.787	0.0	0.0	11.679	-9.464	-18.644	-60.930
	0.500	-59.787	0.0	0.0	3.723	-4.637	-31.427	-48.147
	0.750	-59.787	0.0	0.0	-4.233	0.191	-35.364	-44.210
	1.000	-59.787	0.0	0.0	-12.188	5.018	-22.581	-56.994

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	-0.113	0.0	0.0	0.032	0.598	0.517	-0.743
	0.250	-0.113	0.0	0.0	0.005	0.425	0.317	-0.543
	0.500	-0.113	0.0	0.0	-0.023	0.253	0.163	-0.389
	0.750	-0.113	0.0	0.0	-0.051	0.080	0.018	-0.244
	1.000	-0.113	0.0	0.0	-0.078	-0.092	0.057	-0.284

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	-10.680	0.0	0.0	0.162	-0.560	-9.959	-11.402
	0.250	-10.680	0.0	0.0	-0.110	-0.339	-10.251	-11.130
	0.500	-10.680	0.0	0.0	-0.382	-0.118	-10.180	-11.180
	0.750	-10.680	0.0	0.0	-0.654	0.103	-9.924	-11.437
	1.000	-10.680	0.0	0.0	-0.926	0.324	-9.451	-11.930

MEMBER 153

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-853.747	0.0	0.0	14.638	52.183	-786.965	-920.529
0.250	-853.747	0.0	0.0	1.845	43.656	-808.246	-899.248
0.500	-853.747	0.0	0.0	-10.947	35.188	-807.632	-899.862
0.750	-853.747	0.0	0.0	-23.740	26.680	-803.327	-904.167
1.000	-853.747	0.0	0.0	-36.533	18.192	-799.022	-908.472

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-883.322	0.0	0.0	18.632	-1.084	-463.606	-503.037
0.250	-883.322	0.0	0.0	4.018	3.769	-475.535	-491.108
0.500	-883.322	0.0	0.0	-10.596	6.621	-464.104	-502.539
0.750	-883.322	0.0	0.0	-25.210	13.874	-444.638	-522.005
1.000	-883.322	0.0	0.0	-39.623	18.327	-425.171	-541.472

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-48.491	0.0	0.0	16.381	-15.669	-16.441	-80.541
0.250	-48.491	0.0	0.0	9.913	-9.290	-29.288	-67.694
0.500	-48.491	0.0	0.0	3.445	-2.911	-42.136	-54.846
0.750	-48.491	0.0	0.0	-3.024	3.469	-41.999	-54.983
1.000	-48.491	0.0	0.0	-9.492	9.848	-29.151	-67.831

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-9.051	0.0	0.0	0.218	0.652	-8.181	-9.921
0.250	-9.051	0.0	0.0	0.119	0.521	-8.411	-9.690
0.500	-9.051	0.0	0.0	0.019	0.389	-8.642	-9.459
0.750	-9.051	0.0	0.0	-0.080	0.258	-8.712	-9.389
1.000	-9.051	0.0	0.0	-0.180	0.127	-8.744	-9.358

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-0.063	-0.003	-4.960	-5.093
	0.250		0.0	0.0	-0.179	-0.007	-4.839	-5.213
	0.500		0.0	0.0	-0.295	-0.012	-4.719	-5.333
	0.750		0.0	0.0	-0.412	-0.016	-4.599	-5.454
	1.000		0.0	0.0	-0.528	-0.020	-4.479	-5.574

MEMBER 15*

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	860.347	0.0	-22.114	-54.665	937.126	783.568
	0.250		860.347	0.0	-25.952	-17.568	903.867	816.827
	0.500		860.347	0.0	-29.790	19.529	909.666	811.029
	0.750		860.347	0.0	-33.628	56.626	950.601	770.094
	1.000		860.347	0.0	-37.466	93.723	991.536	729.136

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	476.995	0.0	-36.905	-35.880	549.779	404.211
	0.250		476.995	0.0	-28.602	-12.618	518.215	435.775
	0.500		476.995	0.0	-20.299	10.643	507.936	446.032
	0.750		476.995	0.0	-11.997	33.905	522.697	431.093
	1.000		476.995	0.0	-3.694	57.167	537.656	416.134

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-26.034	0.0	-1.221	23.802	-1.010	-51.057
0.250		-26.034	0.0	-0.173	15.016	-10.642	-41.225
0.500		-26.034	0.0	0.675	6.234	-18.925	-35.182
0.750		-26.034	0.0	1.923	-2.550	-21.561	-30.506
1.000		-26.034	0.0	2.971	-11.334	-11.729	-40.339

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	9.087	0.0	-0.452	-0.774	10.314	7.660
0.250		9.087	0.0	-0.372	-0.508	9.767	6.407
0.500		9.087	0.0	-0.292	0.158	9.538	6.637
0.750		9.087	0.0	-0.212	0.924	9.250	6.250
1.000		9.087	0.0	-0.132	1.091	10.310	7.664

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	5.051	0.0	-0.686	-1.041	6.779	5.324
0.250		5.051	0.0	-0.542	-0.620	6.214	3.889
0.500		5.051	0.0	-0.399	-0.198	5.648	4.454
0.750		5.051	0.0	-0.255	0.223	5.530	4.573
1.000		5.051	0.0	-0.112	0.645	5.808	4.295

MEMBER 155

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-853.502	0.0	-10.138	-0.760	-638.584	-868.420
0.250		-853.502	0.0	6.625	12.375	-834.501	-872.503

0.500 -853.502 0.0 0.0 27.389 25.531 -800.503 -906.822
 0.750 -853.502 0.0 0.0 68.152 38.887 -766.864 -940.581
 1.000 -853.502 0.0 0.0 88.915 51.842 -732.744 -974.260

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FLOW START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	498.482	0.0	0.0	0.588	12.088	519.874	477.010
0.250	498.482	0.0	0.0	-0.792	-0.898	500.132	496.752
0.500	498.482	0.0	0.0	-10.932	-13.881	525.254	473.630
0.750	498.482	0.0	0.0	-21.071	-26.863	566.376	450.508
1.000	498.482	0.0	0.0	-31.211	-39.845	569.499	427.385

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FLOW START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-51.730	0.0	0.0	-22.818	-8.174	-21.137	-82.322
0.250	-51.730	0.0	0.0	-13.843	-4.170	-33.716	-69.783
0.500	-51.730	0.0	0.0	-5.268	-0.167	-86.295	-57.165
0.750	-51.730	0.0	0.0	3.507	3.836	-88.566	-56.873
1.000	-51.730	0.0	0.0	11.882	7.840	-32.007	-71.452

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FLOW START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-8.980	0.0	0.0	-0.536	0.038	-8.808	-9.558
0.250	-8.980	0.0	0.0	-0.214	0.166	-8.601	-9.359
0.500	-8.980	0.0	0.0	0.109	0.294	-8.577	-9.343
0.750	-8.980	0.0	0.0	0.432	0.422	-8.127	-9.433
1.000	-8.980	0.0	0.0	0.754	0.550	-7.676	-10.294

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FLOW START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FR	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	5.460	0.0	0.0	-0.246	0.110	5.816	5.108
0.250	5.460	0.0	0.0	-0.271	0.039	5.771	5.150
0.500	5.460	0.0	0.0	-0.296	-0.031	5.787	5.134
0.750	5.460	0.0	0.0	-0.320	-0.101	5.802	5.039
1.000	5.460	0.0	0.0	-0.345	-0.171	5.976	4.944

MEMBER 159

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FRUM	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	856.523	0.0	0.0	-11.923	11.357	879.604	833.042
0.250	856.523	0.0	0.0	-2.572	21.423	880.118	832.528
0.500	856.523	0.0	0.0	7.179	31.444	894.990	817.656
0.750	856.523	0.0	0.0	16.730	41.553	914.606	794.040
1.000	856.523	0.0	0.0	26.281	51.619	934.223	776.423

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FRUM	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-489.892	0.0	0.0	-48.051	-21.045	-420.795	-558.968
0.250	-489.892	0.0	0.0	-35.892	-18.018	-435.941	-543.402
0.500	-489.892	0.0	0.0	-23.733	-14.991	-451.167	-528.616
0.750	-489.892	0.0	0.0	-11.575	-11.964	-466.353	-513.431
1.000	-489.892	0.0	0.0	0.584	-8.937	-480.370	-499.413

LOADING 3 GRAVITY AND BUOYANCY

FRUM	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-22.886	0.0	0.0	11.495	21.148	9.753	-55.525
0.250	-22.886	0.0	0.0	6.933	15.146	-2.806	-42.966
0.500	-22.886	0.0	0.0	2.372	5.149	-15.565	-30.407
0.750	-22.886	0.0	0.0	-2.189	-2.849	-17.648	-27.924

1.000 -22.000 0.0 0.0 -6.751 -10.007 -5.289 -40.003

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-0.072	0.285	9.327	0.612
0.250		0.0	0.0	-0.058	0.323	9.350	0.589
0.500		0.0	0.0	-0.045	0.360	9.374	0.565
0.750		0.0	0.0	-0.031	0.397	9.398	0.541
1.000		0.0	0.0	-0.018	0.434	9.421	0.518

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-5.444	0.0	-0.900	0.018	-4.519	-6.370
0.250		-5.444	0.0	-0.691	0.028	-4.725	-6.164
0.500		-5.444	0.0	-0.475	0.039	-4.930	-5.958
0.750		-5.444	0.0	-0.259	0.049	-5.136	-5.752
1.000		-5.444	0.0	-0.043	0.059	-5.342	-5.546

MEMBER 157

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	226.087	0.0	-99.179	-31.689	356.955	95.219
0.250		226.087	0.0	-58.741	-20.233	313.062	139.112
0.500		226.087	0.0	-16.303	-24.778	269.168	183.006
0.750		226.087	0.0	22.135	-21.323	269.544	182.629
1.000		226.087	0.0	62.573	-17.868	306.527	145.647

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

LOADING 3 GRAVITY AND BUOYANCY

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DISTANCE /----- STRESS -----/
FROM START AXIAL Y SHEAR Z SHEAR Y BENDING Z BENDING MAX NORMAL MIN NORMAL
0.0 FR -594.807 0.0 0.0 -255.790 -74.459 -264.561 -925.053
0.250 -594.807 0.0 0.0 -172.230 -48.270 -374.308 -815.307
0.500 -594.807 0.0 0.0 -88.670 -22.084 -484.054 -705.561
0.750 -594.807 0.0 0.0 -5.110 4.103 -585.594 -604.020
1.000 -594.807 0.0 0.0 78.450 30.289 -446.068 -703.540
    
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LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

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DISTANCE /----- STRESS -----/
FROM START AXIAL Y SHEAR Z SHEAR Y BENDING Z BENDING MAX NORMAL MIN NORMAL
0.0 FH -28.428 0.0 0.0 20.720 -0.177 -7.531 -49.528
0.250 -28.428 0.0 0.0 12.196 0.472 -15.760 -41.096
0.500 -28.428 0.0 0.0 5.671 1.122 -23.655 -33.222
0.750 -28.428 0.0 0.0 -4.853 1.772 -21.803 -35.053
1.000 -28.428 0.0 0.0 -13.578 2.422 -12.629 -44.228
    
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LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

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DISTANCE /----- STRESS -----/
FROM START AXIAL Y SHEAR Z SHEAR Y BENDING Z BENDING MAX NORMAL MIN NORMAL
0.0 FH 5.389 0.0 0.0 0.549 0.791 6.730 4.049
0.250 5.389 0.0 0.0 0.416 0.413 6.219 4.560
0.500 5.389 0.0 0.0 0.284 0.035 5.706 5.071
0.750 5.389 0.0 0.0 0.151 -0.343 5.883 4.895
1.000 5.389 0.0 0.0 0.018 -0.721 6.128 4.650
    
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LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

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DISTANCE /----- STRESS -----/
FROM START AXIAL Y SHEAR Z SHEAR Y BENDING Z BENDING MAX NORMAL MIN NORMAL
0.0 FR -4.530 0.0 0.0 -1.810 -0.084 -2.636 -6.424
0.250 -4.530 0.0 0.0 -1.172 -0.030 -3.327 -5.733
0.500 -4.530 0.0 0.0 -0.535 0.023 -3.972 -5.088
0.750 -4.530 0.0 0.0 0.103 0.077 -4.350 -4.710
1.000 -4.530 0.0 0.0 0.740 0.131 -3.659 -5.401
    
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MEMBER 150

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	227,148	0.0	0.0	59,887	-17,638	304,673	149,623
0.250		227,148	0.0	0.0	17,556	-9,483	254,587	199,709
0.500		227,148	0.0	0.0	-24,775	-24,129	254,052	200,243
0.750		227,148	0.0	0.0	-67,107	5,626	299,840	154,416
1.000		227,148	0.0	0.0	-109,438	13,380	349,966	104,530

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	568,907	0.0	0.0	-35,528	-20,949	625,364	512,430
0.250		568,907	0.0	0.0	32,656	72,667	604,230	533,584
0.500		568,907	0.0	0.0	100,840	15,616	685,363	452,450
0.750		568,907	0.0	0.0	169,024	33,899	771,830	365,988
1.000		568,907	0.0	0.0	237,208	52,181	858,297	279,517

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-25,722	0.0	0.0	-12,708	3,683	-9,330	-42,114
0.250		-25,722	0.0	0.0	-4,352	0,817	-20,553	-30,891
0.500		-25,722	0.0	0.0	4,005	-2,049	-19,669	-31,775
0.750		-25,722	0.0	0.0	12,361	-4,915	-8,448	-42,998
1.000		-25,722	0.0	0.0	20,718	-7,781	2,777	-54,220

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	5.496	0.0	0.0	0.037	-0.068	6.201	4.792
0.250	5.496	0.0	0.0	0.114	-0.213	5.823	5.170
0.500	5.496	0.0	0.0	0.192	0.290	5.930	5.063
0.750	5.496	0.0	0.0	0.269	0.697	6.463	4.530
1.000	5.496	0.0	0.0	0.347	1.152	6.995	3.998

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	7.687	0.0	0.0	-0.100	-0.236	8.023	7.351
0.250	7.687	0.0	0.0	0.357	-0.203	8.207	7.127
0.500	7.687	0.0	0.0	0.814	-0.170	8.671	6.703
0.750	7.687	0.0	0.0	1.271	-0.138	9.096	6.279
1.000	7.687	0.0	0.0	1.728	-0.105	9.520	5.854

MEMBER 159

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	388.331	0.0	0.0	-282.488	-25.808	696.227	80.434
0.250	388.331	0.0	0.0	-184.546	-16.634	589.510	187.151
0.500	388.331	0.0	0.0	-86.603	-7.659	482.793	293.669
0.750	388.331	0.0	0.0	11.539	0.916	400.585	376.076
1.000	388.331	0.0	0.0	109.281	9.690	507.302	269.359

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	888.076	0.0	0.0	-42.009	-19.040	547.522	425.425

0.250	88.474	0.0	0.0	-33.838	-5.886	525.808	887.139
0.500	88.474	0.0	0.0	-25.888	8.049	520.190	852.757
0.750	88.474	0.0	0.0	-17.898	21.593	525.584	887.383
1.000	88.474	0.0	0.0	-9.327	35.138	530.939	882.008

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-25.211	0.0	0.0	-25.857	5.105	-53.526
0.250		-25.211	0.0	0.0	-15.295	-7.487	-82.953
0.500		-25.211	0.0	0.0	-4.933	-2.236	-32.580
0.750		-25.211	0.0	0.0	5.429	-2.025	-32.664
1.000		-25.211	0.0	0.0	15.791	-1.813	-82.914

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	5.460	0.0	0.0	-1.837	0.330	3.293
0.250		5.460	0.0	0.0	-1.187	0.272	4.001
0.500		5.460	0.0	0.0	-0.537	0.215	4.708
0.750		5.460	0.0	0.0	0.113	0.157	5.190
1.000		5.460	0.0	0.0	0.763	0.099	4.598

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	6.265	0.0	0.0	-1.778	-1.388	5.101
0.250		6.265	0.0	0.0	-1.200	-0.778	6.288
0.500		6.265	0.0	0.0	-0.623	-0.169	7.474
0.750		6.265	0.0	0.0	-0.046	0.440	7.753
1.000		6.265	0.0	0.0	0.532	1.049	6.685

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-693.632	0.0	0.0	0.736	-12.887	-590.006	-617.257
0.250			-693.632	0.0	0.0	81.118	-13.382	-589.132	-658.132
0.500			-693.632	0.0	0.0	81.499	-13.676	-508.257	-699.007
0.750			-693.632	0.0	0.0	121.878	-14.371	-467.382	-739.882
1.000			-693.632	0.0	0.0	162.259	-14.866	-426.507	-780.757

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-69.922	0.0	0.0	-68.689	8.485	7.211	-147.056
0.250			-69.922	0.0	0.0	1.173	8.020	-60.729	-79.115
0.500			-69.922	0.0	0.0	70.995	7.556	6.628	-146.472
0.750			-69.922	0.0	0.0	140.816	7.091	77.485	-217.830
1.000			-69.922	0.0	0.0	210.636	6.627	147.543	-287.167

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-38.226	0.0	0.0	13.851	-3.469	-20.906	-55.547
0.250			-38.226	0.0	0.0	5.326	-0.870	-32.031	-44.422
0.500			-38.226	0.0	0.0	-3.199	1.730	-33.297	-45.155
0.750			-38.226	0.0	0.0	-11.724	4.530	-22.172	-54.280
1.000			-38.226	0.0	0.0	-20.289	6.929	-11.067	-65.405

LOADING 4 TRANSIENT LIVE LOADS - VIBRATING IN Y-DIRECTION

DISTANCE	FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-4.939	0.0	0.0	-0.192	0.018	-4.729	-5.149
0.250			-4.939	0.0	0.0	0.307	-0.120	-4.512	-5.366
0.500			-4.939	0.0	0.0	0.805	-0.259	-3.875	-6.005

0.750	-4.939	0.0	0.0	1.304	-0.398	-3.237	-0.680
1.000	-4.939	0.0	0.0	1.803	-0.536	-2.600	-7.278

LOADING 5 TRANSIENT LIVE LOADS - VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	2.485	0.0	0.069	0.805	3.359	1.612
0.250		2.485	0.0	0.079	0.189	2.753	2.217
0.500		2.485	0.0	0.227	-0.428	3.140	1.830
0.750		2.485	0.0	0.375	-1.044	3.904	1.066
1.000		2.485	0.0	0.523	-1.660	4.669	0.502

MEMBER 161

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	376.511	0.0	283.786	-72.991	713.248	59.774
0.250		376.511	0.0	182.023	-50.956	609.490	145.531
0.500		376.511	0.0	100.500	-28.922	505.753	247.289
0.750		376.511	0.0	18.577	-6.888	401.975	351.046
1.000		376.511	0.0	-63.146	15.147	454.805	296.218

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-478.737	0.0	-15.773	-5.913	-857.051	-500.423
0.250		-478.737	0.0	-20.895	-9.206	-448.636	-508.837
0.500		-478.737	0.0	-26.016	-12.408	-440.223	-517.251
0.750		-478.737	0.0	-31.138	-15.790	-431.809	-525.665
1.000		-478.737	0.0	-36.259	-19.083	-423.395	-534.079

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		0.0	0.0	0.0	25.377	4.865	5.887	-54.598
0.250			-24.355	0.0	0.0	15.492	2.958	-5.906	-42.805
0.500			-24.355	0.0	0.0	5.607	1.050	-17.698	-31.012
0.750			-24.355	0.0	0.0	-4.278	-0.858	-19.220	-29.491
1.000			-24.355	0.0	0.0	-14.163	-2.765	-7.427	-41.284

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		5.258	0.0	0.0	1.699	-0.021	6.978	3.538
0.250			5.258	0.0	0.0	1.226	-0.005	6.490	4.027
0.500			5.258	0.0	0.0	0.752	0.010	6.020	4.496
0.750			5.258	0.0	0.0	0.279	0.025	5.562	4.955
1.000			5.258	0.0	0.0	-0.195	0.040	5.494	5.023

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		-4.253	0.0	0.0	-0.910	0.554	-2.789	-5.717
0.250			-4.253	0.0	0.0	-0.649	0.303	-1.300	-5.205
0.500			-4.253	0.0	0.0	-0.389	0.053	-3.811	-4.694
0.750			-4.253	0.0	0.0	-0.128	-0.198	-3.927	-4.579
1.000			-4.253	0.0	0.0	0.132	-0.448	-3.672	-4.834

MEMBER 162

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-618.317	0.0	0.0	37.914	-47.306	-529.097	-699.537
0.500	-618.317	0.0	0.0	-12.976	-11.777	-569.563	-639.072
0.750	-618.317	0.0	0.0	-63.469	23.752	-526.696	-701.938
1.000	-618.317	0.0	0.0	-114.760	59.262	-440.276	-788.358
				-165.651	94.611	-353.655	-874.779

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	92.763	0.0	0.0	-87.476	-14.626	195.064	-9.539
0.500	92.763	0.0	0.0	-15.269	-12.199	120.231	65.294
0.750	92.763	0.0	0.0	56.938	-9.573	159.274	26.252
1.000	92.763	0.0	0.0	129.144	-6.947	228.854	-43.329
				201.351	-4.321	298.455	-112.910

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-40.921	0.0	0.0	-13.574	-2.543	-24.603	-57.038
0.500	-40.921	0.0	0.0	-5.374	-2.007	-33.560	-48.302
0.750	-40.921	0.0	0.0	2.826	-1.471	-38.624	-45.218
1.000	-40.921	0.0	0.0	11.027	-0.935	-28.959	-52.882
				19.227	-0.398	-21.295	-60.547

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-5.057	0.0	0.0	0.635	-0.608	-3.614	-6.301
0.500	-5.057	0.0	0.0	0.067	-0.148	-4.862	-5.273
0.750	-5.057	0.0	0.0	-0.501	-0.312	-4.244	-5.670
1.000	-5.057	0.0	0.0	-1.069	0.772	-3.216	-6.889
				-1.638	1.232	-2.188	-7.927

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

STRESS

MEMBER	START	END	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
103	0.0	FR	1.042	0.0	0.0	-0.220	-0.370	2.772	1.192
	0.250		1.042	0.0	0.0	-0.024	-0.087	2.093	1.072
	0.500		1.042	0.0	0.0	0.172	0.397	2.551	1.413
	0.750		1.042	0.0	0.0	0.560	0.880	3.230	0.734
	1.000		1.042	0.0	0.0	0.560	1.363	3.910	0.055

MEMBER 103

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

MEMBER	START	END	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
103	0.0	FR	-4.509	0.0	0.0	-105.344	-25.370	126.205	-135.223
	0.250		-4.509	0.0	0.0	-59.311	-11.073	65.874	-74.893
	0.500		-4.509	0.0	0.0	-13.270	3.225	11.994	-21.012
	0.750		-4.509	0.0	0.0	52.755	17.522	45.768	-58.786
	1.000		-4.509	0.0	0.0	74.768	31.820	106.098	-115.116

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

STRESS

MEMBER	START	END	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
103	0.0	FR	4.052	0.0	0.0	-36.835	-19.020	59.907	-51.603
	0.250		4.052	0.0	0.0	-11.196	-13.238	18.486	-10.342
	0.500		4.052	0.0	0.0	38.442	-7.455	45.950	-37.845
	0.750		4.052	0.0	0.0	70.081	-1.872	75.806	-67.702
	1.000		4.052	0.0	0.0	105.720	4.110	113.882	-105.770

LOADING 3 GRAVITY AND BUOYANCY

STRESS

MEMBER	START	END	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
103	0.0	FR	1.042	0.0	0.0	-0.220	-0.370	2.772	1.192
	0.250		1.042	0.0	0.0	-0.024	-0.087	2.093	1.072
	0.500		1.042	0.0	0.0	0.172	0.397	2.551	1.413
	0.750		1.042	0.0	0.0	0.560	0.880	3.230	0.734
	1.000		1.042	0.0	0.0	0.560	1.363	3.910	0.055

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR		0.0	0.0	0.006	0.179	-50.138	-50.500
0.250			0.0	0.0	0.006	0.134	-50.102	-50.463
0.500			0.0	0.0	0.006	0.090	-50.227	-50.410
0.750			0.0	0.0	0.006	0.045	-50.272	-50.373
1.000			0.0	0.0	0.006	0.000	-50.317	-50.320

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-5.230	0.0	0.0	0.002	0.005	-5.230	-5.265
0.250		-5.230	0.0	0.0	0.002	0.004	-5.231	-5.244
0.500		-5.230	0.0	0.0	0.002	0.003	-5.232	-5.243
0.750		-5.230	0.0	0.0	0.002	0.001	-5.234	-5.241
1.000		-5.230	0.0	0.0	0.002	-0.000	-5.235	-5.240

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.365	0.0	0.0	-0.021	0.000	-0.364	-0.380
0.250		-0.365	0.0	0.0	-0.021	0.000	-0.364	-0.380
0.500		-0.365	0.0	0.0	-0.021	0.000	-0.364	-0.380
0.750		-0.365	0.0	0.0	-0.021	0.000	-0.364	-0.380
1.000		-0.365	0.0	0.0	-0.021	-0.000	-0.364	-0.385

MEMBER 110

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	123.610	0.0	0.0	0.0	0.0	123.610	123.610
0.250		123.610	0.0	0.0	0.0	0.0	123.610	123.610
0.500		123.610	0.0	0.0	0.0	0.0	123.610	123.610
0.750		123.610	0.0	0.0	0.0	0.0	123.610	123.610

1.000 123.618 0.0 0.0 0.0 0.0 123.618 0.0

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	73.637	0.0	0.0	0.0	73.637	73.637
0.250		73.637	0.0	0.0	0.0	73.637	73.637
0.500		73.637	0.0	0.0	0.0	73.637	73.637
0.750		73.637	0.0	0.0	0.0	73.637	73.637
1.000		73.637	0.0	0.0	0.0	73.637	73.637

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	58.244	0.0	0.0	0.0	58.244	58.244
0.250		58.244	0.0	0.0	0.0	58.244	58.244
0.500		58.244	0.0	0.0	0.0	58.244	58.244
0.750		58.244	0.0	0.0	0.0	58.244	58.244
1.000		58.244	0.0	0.0	0.0	58.244	58.244

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	5.236	0.0	0.0	0.0	5.236	5.236
0.250		5.236	0.0	0.0	0.0	5.236	5.236
0.500		5.236	0.0	0.0	0.0	5.236	5.236
0.750		5.236	0.0	0.0	0.0	5.236	5.236
1.000		5.236	0.0	0.0	0.0	5.236	5.236

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.365	0.0	0.0	0.0	0.365	0.365
0.250		0.365	0.0	0.0	0.0	0.365	0.365

0.500	0.365	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.365	0.365
0.750	0.365	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.365	0.365
1.000	0.365	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.365	0.365

MEMBER 115

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	99.655	-23.928	-411.320	-650.480
0.250		0.0	0.0	58.698	-48.853	-431.359	-636.855
0.500		0.0	0.0	17.754	-65.763	-451.390	-618.824
0.750		0.0	0.0	-23.226	-86.712	-424.960	-608.845
1.000		0.0	0.0	-68.186	-107.641	-365.080	-706.738

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-13.478	-56.348	350.621	211.170
0.250		0.0	0.0	11.133	-37.687	330.015	231.976
0.500		0.0	0.0	39.783	-19.425	336.168	225.627
0.750		0.0	0.0	60.353	-0.968	342.315	219.874
1.000		0.0	0.0	84.968	17.497	365.658	178.338

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.156	-1.968	-15.129	-19.333
0.250		0.0	0.0	-0.517	-2.358	-14.355	-20.108
0.500		0.0	0.0	-1.191	-2.771	-15.629	-21.193
0.750		0.0	0.0	-1.864	-3.183	-16.903	-22.279
1.000		0.0	0.0	-2.538	-3.596	-18.177	-23.365

LOADING 6 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-11.400	0.0	0.0	-1.628	5.368	-8.805	-18.795
0.250	-11.600	0.0	0.0	-0.970	2.816	-8.015	-15.588
0.500	-11.400	0.0	0.0	-0.512	0.264	-11.228	-12.576
0.750	-11.600	0.0	0.0	0.588	-2.298	-9.188	-18.438
1.000	-11.600	0.0	0.0	1.008	-8.840	-5.958	-17.848

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	6.288	0.0	0.0	-1.951	2.899	11.118	1.218
0.250	6.288	0.0	0.0	-1.272	1.687	9.427	5.108
0.500	6.288	0.0	0.0	-0.593	0.875	7.737	6.799
0.750	6.288	0.0	0.0	0.086	-0.135	6.689	6.687
1.000	6.288	0.0	0.0	0.765	-1.146	8.188	8.558

MEMBER 118

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-72.021	0.0	0.0	-43.816	-12.288	-15.958	-128.083
0.250	-72.021	0.0	0.0	-19.956	9.677	-42.388	-101.858
0.500	-72.021	0.0	0.0	3.904	31.599	-38.518	-107.528
0.750	-72.021	0.0	0.0	27.768	53.522	9.285	-153.307
1.000	-72.021	0.0	0.0	51.628	75.445	55.048	-199.098

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	6.288	0.0	0.0	-1.951	2.899	11.118	1.218
0.250	6.288	0.0	0.0	-1.272	1.687	9.427	5.108
0.500	6.288	0.0	0.0	-0.593	0.875	7.737	6.799
0.750	6.288	0.0	0.0	0.086	-0.135	6.689	6.687
1.000	6.288	0.0	0.0	0.765	-1.146	8.188	8.558

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-477.450	0.0	-46.047	-29.909	-399.494	-555.406
0.250		-477.450	0.0	-9.667	-8.291	-459.292	-495.608
0.500		-477.450	0.0	24.313	13.327	-435.811	-519.090
0.750		-477.450	0.0	66.493	34.945	-376.012	-578.886
1.000		-477.450	0.0	104.673	56.563	-316.214	-638.686

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-4.143	0.0	-1.999	-11.995	9.051	-10.136
0.250		-4.143	0.0	0.014	-7.363	3.234	-11.523
0.500		-4.143	0.0	2.031	-2.731	0.619	-6.906
0.750		-4.143	0.0	4.046	1.901	1.804	-10.090
1.000		-4.143	0.0	6.061	6.553	6.451	-16.737

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-1.261	0.0	0.053	1.103	-0.107	-2.615
0.250		-1.261	0.0	0.165	1.197	0.101	-2.623
0.500		-1.261	0.0	0.277	1.294	0.309	-2.631
0.750		-1.261	0.0	0.388	1.390	0.517	-3.080
1.000		-1.261	0.0	0.500	1.487	0.726	-3.246

LOADING 6 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-11.016	0.0	-1.748	-6.989	-2.280	-19.756
0.250		-11.016	0.0	-0.867	-4.039	-6.112	-15.925
0.500		-11.016	0.0	0.014	-1.089	-9.916	-12.120
0.750		-11.016	0.0	0.895	1.661	-8.262	-13.774
1.000		-11.016	0.0	1.776	4.812	-4.431	-17.605

MEMBER 117

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FRUM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-22.059	0.0	0.0	26.717	-117.209	121.147	-166.865
	0.250		-22.059	0.0	0.0	17.836	-96.720	91.696	-137.615
	0.500		-22.059	0.0	0.0	6.956	-76.150	62.246	-107.968
	0.750		-22.059	0.0	0.0	0.073	-55.581	32.795	-76.513
	1.000		-22.059	0.0	0.0	-8.809	-35.012	20.961	-66.680

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FRUM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	223.570	0.0	0.0	-62.643	-55.560	361.773	105.367
	0.250		223.570	0.0	0.0	-17.045	-44.978	285.594	161.587
	0.500		223.570	0.0	0.0	24.553	-34.390	286.519	160.822
	0.750		223.570	0.0	0.0	74.150	-23.818	321.534	125.606
	1.000		223.570	0.0	0.0	119.748	-13.231	356.550	90.591

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FRUM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	2.015	0.0	0.0	-6.026	-1.727	10.368	-5.139
	0.250		2.015	0.0	0.0	-4.286	-0.617	7.719	-2.490
	0.500		2.015	0.0	0.0	-2.549	0.094	5.257	-0.028
	0.750		2.015	0.0	0.0	-0.811	1.008	4.829	0.800
	1.000		2.015	0.0	0.0	0.928	1.915	5.657	-0.226

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FRUM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	2.015	0.0	0.0	-6.026	-1.727	10.368	-5.139
	0.250		2.015	0.0	0.0	-4.286	-0.617	7.719	-2.490
	0.500		2.015	0.0	0.0	-2.549	0.094	5.257	-0.028
	0.750		2.015	0.0	0.0	-0.811	1.008	4.829	0.800
	1.000		2.015	0.0	0.0	0.928	1.915	5.657	-0.226

FR	0.0	0.250	0.500	0.750	1.000
AXIAL	0.603	0.603	0.603	0.603	0.603
Y SHEAR	0.0	0.0	0.0	0.0	0.0
Z SHEAR	0.0	0.0	0.0	0.0	0.0
Y BENDING	-2.112	-1.327	-0.541	0.245	1.031
Z BENDING	3.060	1.770	0.499	-0.781	-2.061
MAX NORMAL	5.775	3.709	1.643	1.629	3.695
MIN NORMAL	-4.569	-2.503	-0.437	-0.623	-2.069

LOADING 5 TRANSIENT LIVE LOADS BY VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	3.634	0.0	0.0	-3.380	4.855	11.669	-4.001
0.250	FR	3.634	0.0	0.0	-1.713	2.518	7.065	-0.197
0.500	FR	3.634	0.0	0.0	-0.045	0.182	4.060	3.607
0.750	FR	3.634	0.0	0.0	1.623	-1.955	7.412	0.256
1.000	FR	3.634	0.0	0.0	3.200	-0.092	11.216	-3.568

MEMBER 110

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	110.496	0.0	0.0	20.629	-109.707	241.051	-20.080
0.250	FR	110.496	0.0	0.0	5.648	-78.666	194.610	26.362
0.500	FR	110.496	0.0	0.0	-9.533	-87.226	167.254	55.737
0.750	FR	110.496	0.0	0.0	-24.714	-15.985	151.195	69.797
1.000	FR	110.496	0.0	0.0	-39.694	15.255	165.045	55.346

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-240.437	0.0	0.0	-116.832	-55.205	-68.400	412.674
0.250	FR	-240.437	0.0	0.0	-69.268	-44.984	-106.165	-374.649
0.500	FR	-240.437	0.0	0.0	-61.705	-54.763	-143.908	-356.905

0.750 -240.437 0.0 0.0 -36.182 -26.542 -181.753 -299.120
 1.000 -240.437 0.0 0.0 -6.576 -14.321 -219.536 -261.336

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	446.129	-15.672	377.691	-545.911
0.250		0.0	0.0	219.276	-6.678	143.846	-512.066
0.500		0.0	0.0	-7.573	-1.684	-74.652	-43.568
0.750		0.0	0.0	-234.425	5.310	155.625	-523.884
1.000		0.0	0.0	-461.276	12.304	399.469	-557.609

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.214	2.759	2.971	-2.982
0.250		0.0	0.0	-0.019	1.588	1.598	-1.609
0.500		0.0	0.0	-0.256	0.410	0.661	-0.672
0.750		0.0	0.0	-0.694	-0.768	1.252	-1.263
1.000		0.0	0.0	-0.731	-1.938	2.664	-2.674

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-1.757	1.273	0.975	-5.084
0.250		0.0	0.0	-1.314	0.696	0.155	-4.264
0.500		0.0	0.0	-0.871	0.519	-0.665	-3.484
0.750		0.0	0.0	-0.428	0.142	-1.485	-2.624
1.000		0.0	0.0	0.015	-0.235	-1.804	-2.305

*MEMBER 119

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	113.992	0.0	0.0	-23.176	-43.025	180.193	47.790
0.250		113.992	0.0	0.0	-6.995	-0.536	125.542	102.442
0.500		113.992	0.0	0.0	9.187	35.914	157.093	70.891
0.750		113.992	0.0	0.0	25.369	72.384	211.744	16.239
1.000		113.992	0.0	0.0	41.550	110.854	266.396	-34.412

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-222.860	0.0	0.0	-12.499	-51.604	-158.757	-286.962
0.250		-222.860	0.0	0.0	28.492	-19.971	-176.397	-267.322
0.500		-222.860	0.0	0.0	61.483	11.962	-149.715	-296.008
0.750		-222.860	0.0	0.0	98.474	43.295	-81.091	-364.628
1.000		-222.860	0.0	0.0	135.465	74.928	-12.467	-433.252

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-84.067	0.0	0.0	-661.718	12.108	389.756	-557.691
0.250		-84.067	0.0	0.0	-233.190	5.388	154.510	-322.684
0.500		-84.067	0.0	0.0	-4.061	-1.331	78.075	-90.060
0.750		-84.067	0.0	0.0	223.867	-8.049	147.849	-315.983
1.000		-84.067	0.0	0.0	452.395	-14.768	383.095	-551.229

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.008	0.0	0.0	-0.587	-2.458	3.051	-3.035
0.250		0.008	0.0	0.0	-0.263	-0.808	1.078	-1.063
0.500		0.008	0.0	0.0	0.061	0.841	0.910	-0.894
0.750		0.008	0.0	0.0	0.385	2.489	2.863	-2.867
1.000		0.008	0.0	0.0	0.710	4.138	4.855	-4.840

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-2.277	0.0	0.0	-0.153	0.077	-2.047	-2.507
0.250	-2.277	0.0	0.0	0.523	-0.561	-1.193	-3.362
0.500	-2.277	0.0	0.0	1.200	-1.199	0.122	-4.676
0.750	-2.277	0.0	0.0	1.876	-1.837	1.436	-5.990
1.000	-2.277	0.0	0.0	2.552	-2.476	2.751	-7.305

MEMBER 120

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	411.552	0.0	0.0	-470.893	76.728	959.172	-156.069
0.250	411.552	0.0	0.0	-347.534	46.156	607.242	15.862
0.500	411.552	0.0	0.0	-224.175	19.545	655.312	167.792
0.750	411.552	0.0	0.0	-100.816	-8.986	521.354	301.750
1.000	411.552	0.0	0.0	22.543	-37.557	471.652	351.451

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	305.899	0.0	0.0	-250.860	65.745	622.104	-10.309
0.250	305.899	0.0	0.0	-180.129	37.791	525.619	87.979
0.500	305.899	0.0	0.0	-109.799	9.859	425.534	186.269
0.750	305.899	0.0	0.0	-39.468	-18.118	343.486	248.313
1.000	305.899	0.0	0.0	30.862	-46.073	382.834	229.964

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-82.020	0.0	-452.100	4.759	374.639	-536.679
0.250		-82.020	0.0	-223.994	1.516	143.489	-507.530
0.500		-82.020	0.0	4.113	-1.728	-76.180	-67.860
0.750		-82.020	0.0	232.219	-4.971	155.169	-319.210
1.000		-82.020	0.0	460.324	-8.215	386.519	-550.559

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.194	0.0	-8.007	3.084	19.268	-2.697
0.250		0.194	0.0	-5.815	2.001	16.011	0.378
0.500		0.194	0.0	-5.623	0.918	12.736	5.653
0.750		0.194	0.0	-1.451	-0.165	9.790	6.599
1.000		0.194	0.0	0.761	-1.248	10.203	6.186

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	6.156	0.0	-4.117	-3.577	11.688	-3.541
0.250		6.156	0.0	-2.908	-2.096	9.157	-0.850
0.500		6.156	0.0	-1.698	-0.814	6.666	1.641
0.750		6.156	0.0	-0.489	0.467	5.110	3.196
1.000		6.156	0.0	0.721	1.749	6.623	1.684

MEMBER 121

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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PRO- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	395.834	0.0	0.0	-35.121	-11.280	442.248	349.825
0.250	395.834	0.0	0.0	95.002	-20.830	517.667	274.001
0.500	395.834	0.0	0.0	225.126	-42.373	663.333	120.336
0.750	395.834	0.0	0.0	355.250	-57.915	808.998	-17.330
1.000	395.834	0.0	0.0	485.373	-73.657	954.666	-162.995

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

PRO- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	290.530	0.0	0.0	2.421	-14.457	315.400	201.652
0.250	290.530	0.0	0.0	50.639	-20.801	388.970	212.090
0.500	290.530	0.0	0.0	121.699	-39.145	459.374	157.686
0.750	290.530	0.0	0.0	183.758	-51.489	533.777	65.282
1.000	290.530	0.0	0.0	245.818	-63.633	608.181	-11.121

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

PRO- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-82.240	0.0	0.0	400.352	-8.900	380.900	-551.500
0.250	-82.240	0.0	0.0	233.316	-4.227	155.255	-319.832
0.500	-82.240	0.0	0.0	6.280	0.666	175.502	-69.010
0.750	-82.240	0.0	0.0	-220.750	5.119	143.507	-308.303
1.000	-82.240	0.0	0.0	-487.792	9.792	375.295	-539.872

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

PRO- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.335	0.0	0.0	0.331	-0.567	9.210	7.057
0.250	0.335	0.0	0.0	2.012	-0.691	11.036	5.033
0.500	0.335	0.0	0.0	6.355	-0.834	13.520	3.147
0.750	0.335	0.0	0.0	6.698	-0.977	16.010	0.061
1.000	0.335	0.0	0.0	6.041	-1.120	16.496	-1.026

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	4.250	0.0	0.246	2.296	6.796	1.715
0.250		4.250	0.0	1.169	0.126	5.760	2.751
0.500		4.250	0.0	2.494	-2.026	8.773	-0.262
0.750		4.250	0.0	3.618	-6.184	12.058	-3.547
1.000		4.250	0.0	4.743	-8.344	15.342	-6.031

NUMBER 122

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE / STRESS

PROP START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-97.011	0.0	121.157	-139.800	163.034	-350.250
0.250		-97.011	0.0	95.300	-86.503	84.312	-279.534
0.500		-97.011	0.0	69.543	-33.636	5.590	-270.812
0.750		-97.011	0.0	43.786	19.287	-34.559	-160.663
1.000		-97.011	0.0	17.969	72.211	-7.851	-167.791

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-41.239	0.0	-69.801	-66.520	75.062	-357.560
0.250		-41.239	0.0	-44.704	-31.816	37.280	-319.757
0.500		-41.239	0.0	-19.608	-21.100	-8.523	-81.955
0.750		-41.239	0.0	5.689	-6.403	-27.367	-55.131
1.000		-41.239	0.0	30.566	8.303	-6.350	-76.126

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-86.307	0.0	454.573	3.670	375.937	-542.550
0.250		-86.307	0.0	225.624	0.915	142.252	-310.880

0.500	-88.307	0.0	0.0	0.0	-3.326	-1.880	-79.181	-89.872
0.750	-98.307	0.0	0.0	0.0	-232.275	-8.595	192.568	-521.817
1.000	-88.307	0.0	0.0	0.0	-661.225	-7.550	388.200	-552.882

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.714	0.0	0.0	2.588	1.977	5.038	-3.609
0.250	0.714	0.0	0.0	1.876	1.378	3.968	-2.581
0.500	0.714	0.0	0.0	1.808	0.780	2.899	-1.872
0.750	0.714	0.0	0.0	0.936	0.181	1.831	-0.808
1.000	0.714	0.0	0.0	0.888	-0.418	1.598	-0.170

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.268	0.0	0.0	-0.738	2.031	3.038	-2.505
0.250	0.268	0.0	0.0	-0.888	1.118	1.828	-1.298
0.500	0.268	0.0	0.0	-0.155	0.198	0.615	-0.887
0.750	0.268	0.0	0.0	0.137	-0.721	1.122	-0.588
1.000	0.268	0.0	0.0	0.829	-1.638	2.531	-1.603

MEMBER 123

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-112.924	0.0	0.0	16.883	42.101	-58.820	-171.828
0.250	-112.924	0.0	0.0	-38.832	42.608	-38.208	-189.588
0.500	-112.924	0.0	0.0	-88.887	43.114	14.658	-288.585
0.750	-112.924	0.0	0.0	-138.902	43.621	65.599	-291.888
1.000	-112.924	0.0	0.0	-185.837	44.127	118.588	-382.388

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-31.641	0.0	0.0	14.723	-1.940	-14.978	-88.304
0.250	-31.641	0.0	0.0	22.109	12.690	5.156	-66.480
0.500	-31.641	0.0	0.0	29.496	27.519	25.174	-66.456
0.750	-31.641	0.0	0.0	36.882	41.949	47.190	-110.472
1.000	-31.641	0.0	0.0	44.268	56.579	89.206	-152.488

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-84.534	0.0	0.0	-469.150	-7.904	383.520	-552.587
0.250	-84.534	0.0	0.0	-254.178	-5.899	155.543	-322.611
0.500	-84.534	0.0	0.0	-9.206	0.107	-78.221	-92.887
0.750	-84.534	0.0	0.0	217.765	4.112	137.584	-506.411
1.000	-84.534	0.0	0.0	445.757	8.118	567.521	-558.588

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.942	0.0	0.0	0.368	-0.133	1.343	0.542
0.250	0.642	0.0	0.0	-0.513	0.127	1.482	0.202
0.500	0.642	0.0	0.0	-1.398	0.587	2.623	-0.938
0.750	0.642	0.0	0.0	-2.274	0.646	3.763	-2.078
1.000	0.642	0.0	0.0	-3.155	0.906	4.906	-3.219

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.126	0.0	0.0	0.100	-2.058	2.285	-2.035
0.250	0.126	0.0	0.0	0.074	-0.049	0.248	0.008
0.500	0.126	0.0	0.0	0.047	1.961	2.134	-1.462
0.750	0.126	0.0	0.0	0.021	3.971	4.117	-3.065

1.000 0.126 0.0 0.0 -0.006 5.980 0.112 -5.060

MEMBER 124

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-129.505	-67.109	191.613	-201.615
0.250		0.0	0.0	-73.019	-38.838	106.656	-116.656
0.500		0.0	0.0	-16.535	-10.566	22.098	-32.100
0.750		0.0	0.0	30.958	17.705	52.658	-62.660
1.000		0.0	0.0	96.480	45.976	137.415	-147.417

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	16.983	0.0	-32.706	-31.463	81.172	-47.207
0.250		16.983	0.0	-4.020	-21.051	42.054	-6.088
0.500		16.983	0.0	24.667	-10.619	52.268	-18.302
0.750		16.983	0.0	53.353	-0.186	70.522	-36.557
1.000		16.983	0.0	82.039	10.286	109.268	-75.302

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.767	0.0	1.851	-0.720	1.804	-3.338
0.250		-0.767	0.0	1.952	-0.299	1.485	-3.018
0.500		-0.767	0.0	2.054	0.121	1.408	-2.942
0.750		-0.767	0.0	2.155	0.542	1.930	-3.483
1.000		-0.767	0.0	2.256	0.962	2.452	-3.985

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE		STRESS				STRESS			
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MIN NORMAL
0.0	FR		0.0	0.0	-2.055	-0.183	2.407	-2.069	
0.250		0.169	0.0	0.0	-1.072	-0.235	1.476	-1.138	
0.500		0.169	0.0	0.0	-0.088	-0.287	0.544	-0.206	
0.750		0.169	0.0	0.0	0.896	-0.340	1.405	-1.067	
1.000		0.169	0.0	0.0	1.880	-0.592	2.441	-2.103	

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE		STRESS				STRESS			
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MIN NORMAL
0.0	FR		0.0	0.0	-0.550	0.386	0.542	-1.331	
0.250		-0.395	0.0	0.0	-0.016	0.310	-0.060	-0.729	
0.500		-0.395	0.0	0.0	0.518	0.251	0.374	-1.164	
0.750		-0.395	0.0	0.0	1.052	0.183	0.840	-1.630	
1.000		-0.395	0.0	0.0	1.586	0.115	1.506	-2.096	

MEMBER 125

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE		STRESS				STRESS			
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MIN NORMAL
0.0	FR		0.0	0.0	77.040	60.975	125.509	-150.520	
0.250		-12.505	0.0	0.0	64.585	36.059	88.138	-113.149	
0.500		-12.505	0.0	0.0	52.130	11.143	50.768	-75.778	
0.750		-12.505	0.0	0.0	39.675	-13.772	40.941	-65.952	
1.000		-12.505	0.0	0.0	27.220	-38.688	53.402	-78.413	

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE		STRESS				STRESS			
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MIN NORMAL

FR	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.250	-16.740	0.0	0.0	30.246	50.453	65.959	-95.439
0.500	-16.740	0.0	0.0	30.208	25.936	49.004	-78.885
0.750	-16.740	0.0	0.0	85.170	1.420	32.850	-62.330
1.000	-16.740	0.0	0.0	54.132	-25.097	62.889	-91.969
	-16.740	0.0	0.0	62.694	-87.614	94.968	-124.488

LOADING 3 GRAVITY AND BUOYANCY

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	0.0	0.299	-2.108
0.250		-0.902	0.0	0.0	-0.916	-0.285	0.594	-2.399
0.500		-0.902	0.0	0.0	-1.485	0.012	1.859	-3.264
0.750		-0.902	0.0	0.0	-2.053	0.308	2.324	-4.129
1.000		-0.902	0.0	0.0	-2.921	0.605	3.189	-4.998

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	0.0	2.654	-2.328
0.250		0.163	0.0	0.0	1.535	0.958	1.896	-1.570
0.500		0.163	0.0	0.0	1.285	0.848	1.258	-0.932
0.750		0.163	0.0	0.0	1.035	-0.060	1.517	-1.191
1.000		0.163	0.0	0.0	0.785	-0.569	1.775	-1.689

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	0.0	1.358	-0.637
0.250		0.361	0.0	0.0	0.697	-0.500	1.379	-0.657
0.500		0.361	0.0	0.0	0.718	-0.500	1.399	-0.678
0.750		0.361	0.0	0.0	0.739	-0.299	1.620	-0.699
1.000		0.361	0.0	0.0	0.761	-0.299	1.641	-0.719

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	19.327	0.0	0.0	-67.746	20.197	107.270	-58.619
	0.250	19.327	0.0	0.0	-70.098	10.387	99.613	-61.158
	0.500	19.327	0.0	0.0	-72.451	0.577	92.355	-53.701
	0.750	19.327	0.0	0.0	-74.803	-9.253	103.364	-68.710
	1.000	19.327	0.0	0.0	-77.156	-19.048	115.527	-76.872

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	-2.104	0.0	0.0	-42.528	3.474	43.698	-48.106
	0.250	-2.104	0.0	0.0	-32.277	-2.862	33.035	-37.203
	0.500	-2.104	0.0	0.0	-22.026	-9.197	29.119	-33.327
	0.750	-2.104	0.0	0.0	-11.776	-15.533	25.204	-29.012
	1.000	-2.104	0.0	0.0	-1.525	-21.868	21.289	-25.497

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	-0.017	0.0	0.0	-4.656	0.255	4.894	-4.927
	0.250	-0.017	0.0	0.0	-4.179	0.382	4.505	-4.538
	0.500	-0.017	0.0	0.0	-3.703	0.430	4.116	-4.149
	0.750	-0.017	0.0	0.0	-3.228	0.517	3.727	-3.760
	1.000	-0.017	0.0	0.0	-2.752	0.605	3.338	-3.371

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	0.272	0.0	0.0	-1.174	-0.253	1.135	-1.080

0.250	-0.272	0.0	0.0	0.0	-1.255	-0.291	1.274	-1.010
0.500	-0.272	0.0	0.0	0.0	-1.337	-0.348	1.412	-1.957
0.750	-0.272	0.0	0.0	0.0	-1.416	-0.405	1.550	-2.095
1.000	-0.272	0.0	0.0	0.0	-1.499	-0.462	1.669	-2.233

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.088	0.0	0.0	-0.686	0.608	1.562	-1.486
	0.250		0.088	0.0	0.0	-0.521	0.380	0.948	-0.852
	0.500		0.088	0.0	0.0	-0.355	-0.049	0.452	-0.356
	0.750		0.088	0.0	0.0	-0.190	-0.477	0.715	-0.619
	1.000		0.088	0.0	0.0	-0.024	-0.905	0.977	-0.882

MEMBER 127

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	5.186	0.0	0.0	-0.030	-0.103	5.319	5.056
	0.250		5.186	0.0	0.0	-0.027	-0.103	5.317	5.056
	0.500		5.186	0.0	0.0	-0.024	-0.104	5.318	5.056
	0.750		5.186	0.0	0.0	-0.022	-0.104	5.312	5.061
	1.000		5.186	0.0	0.0	-0.019	-0.104	5.310	5.063

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM	STAY	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-48.993	0.0	0.0	0.081	-0.085	-48.827	-49.159
	0.250		-48.993	0.0	0.0	0.057	-0.083	-48.652	-49.134
	0.500		-48.993	0.0	0.0	0.033	-0.082	-48.678	-49.109
	0.750		-48.993	0.0	0.0	0.009	-0.081	-48.903	-49.084
	1.000		-48.993	0.0	0.0	-0.015	-0.080	-48.898	-49.068

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-73.941	0.0	0.0	0.360	-0.021	-73.532	-74.350
0.250	-73.941	0.0	0.0	0.291	-0.017	-73.534	-74.248
0.500	-73.941	0.0	0.0	0.194	-0.012	-73.755	-74.147
0.750	-73.941	0.0	0.0	0.096	-0.008	-73.837	-74.045
1.000	-73.941	0.0	0.0	-0.001	-0.003	-73.936	-73.945

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	0.103	0.0	0.0	-0.001	-0.004	0.107	0.098
0.250	0.103	0.0	0.0	-0.001	-0.004	0.107	0.098
0.500	0.103	0.0	0.0	-0.001	-0.004	0.107	0.098
0.750	0.103	0.0	0.0	-0.001	-0.004	0.107	0.098
1.000	0.103	0.0	0.0	-0.001	-0.004	0.107	0.098

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-1.163	0.0	0.0	0.002	-0.003	-1.159	-1.168
0.250	-1.163	0.0	0.0	0.001	-0.003	-1.159	-1.168
0.500	-1.163	0.0	0.0	0.001	-0.003	-1.160	-1.167
0.750	-1.163	0.0	0.0	0.000	-0.003	-1.160	-1.168
1.000	-1.163	0.0	0.0	-0.001	-0.003	-1.160	-1.167

MEMBER 126

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-5.186	0.0	0.0	0.0	-5.186	-5.186
0.250		-5.186	0.0	0.0	0.0	-5.186	-5.186
0.500		-5.186	0.0	0.0	0.0	-5.186	-5.186
0.750		-5.186	0.0	0.0	0.0	-5.186	-5.186
1.000		-5.186	0.0	0.0	0.0	-5.186	-5.186

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	48.994	0.0	0.0	0.0	48.994	48.994
0.250		48.994	0.0	0.0	0.0	48.994	48.994
0.500		48.994	0.0	0.0	0.0	48.994	48.994
0.750		48.994	0.0	0.0	0.0	48.994	48.994
1.000		48.994	0.0	0.0	0.0	48.994	48.994

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	73.863	0.0	0.0	0.0	73.863	73.863
0.250		73.863	0.0	0.0	0.0	73.863	73.863
0.500		73.863	0.0	0.0	0.0	73.863	73.863
0.750		73.863	0.0	0.0	0.0	73.863	73.863
1.000		73.863	0.0	0.0	0.0	73.863	73.863

LOADING 6 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.103	0.0	0.0	0.0	-0.103	-0.103
0.250		-0.103	0.0	0.0	0.0	-0.103	-0.103
0.500		-0.103	0.0	0.0	0.0	-0.103	-0.103
0.750		-0.103	0.0	0.0	0.0	-0.103	-0.103
1.000		-0.103	0.0	0.0	0.0	-0.103	-0.103

FROM-START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-76.151	0.0	0.0	-0.393	-75.743	-76.559
0.250		-76.151	0.0	0.0	-0.010	-75.846	-76.456
0.500		-76.151	0.0	0.0	-0.006	-75.948	-76.353
0.750		-76.151	0.0	-0.099	-0.001	-76.051	-76.251
1.000		-76.151	0.0	-0.001	0.004	-76.147	-76.155

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM-START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-1.056	0.0	0.0	0.001	-1.055	-1.061
0.250		-1.056	0.0	-0.002	0.001	-1.056	-1.060
0.500		-1.056	0.0	-0.001	0.001	-1.056	-1.060
0.750		-1.056	0.0	-0.001	0.001	-1.057	-1.059
1.000		-1.056	0.0	-0.000	0.001	-1.057	-1.059

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM-START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.111	0.0	0.0	0.003	-0.107	-0.115
0.250		-0.111	0.0	-0.001	0.003	-0.107	-0.115
0.500		-0.111	0.0	-0.001	0.003	-0.107	-0.115
0.750		-0.111	0.0	-0.001	0.003	-0.107	-0.115
1.000		-0.111	0.0	-0.001	0.003	-0.107	-0.115

MEMBER 130

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM-START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	91.482	0.0	0.0	0.0	91.482	91.482
0.250		91.482	0.0	0.0	0.0	91.482	91.482

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

0.500	91.482	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.482	18.873
0.750	91.482	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.482	18.873
1.000	91.482	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.482	18.873

STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	18.873	0.0	0.0	0.0	18.873	18.873
0.250		18.873	0.0	0.0	0.0	18.873	18.873
0.500		18.873	0.0	0.0	0.0	18.873	18.873
0.750		18.873	0.0	0.0	0.0	18.873	18.873
1.000		18.873	0.0	0.0	0.0	18.873	18.873

LOADING 3 GRAVITY AND BUOYANCY

STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	76.073	0.0	0.0	0.0	76.073	76.073
0.250		76.073	0.0	0.0	0.0	76.073	76.073
0.500		76.073	0.0	0.0	0.0	76.073	76.073
0.750		76.073	0.0	0.0	0.0	76.073	76.073
1.000		76.073	0.0	0.0	0.0	76.073	76.073

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.058	0.0	0.0	0.0	1.058	1.058
0.250		1.058	0.0	0.0	0.0	1.058	1.058
0.500		1.058	0.0	0.0	0.0	1.058	1.058
0.750		1.058	0.0	0.0	0.0	1.058	1.058
1.000		1.058	0.0	0.0	0.0	1.058	1.058

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.058	0.0	0.0	0.0	1.058	1.058
0.250		1.058	0.0	0.0	0.0	1.058	1.058
0.500		1.058	0.0	0.0	0.0	1.058	1.058
0.750		1.058	0.0	0.0	0.0	1.058	1.058
1.000		1.058	0.0	0.0	0.0	1.058	1.058

FR	0.0	0.111	0.0	0.0	0.0	0.0	0.0	0.0	0.111	0.111
0.250	0.111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.111	0.111
0.500	0.111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.111	0.111
0.750	0.111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.111	0.111
1.000	0.111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.111	0.111

EMPER 131

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	93,739	0.0	0.0	0.276	-0.093	94,107	93,370
0.250		93,739	0.0	0.0	0.276	-0.069	94,084	93,393
0.500		93,739	0.0	0.0	0.276	-0.046	94,061	93,416
0.750		93,739	0.0	0.0	0.276	-0.023	94,038	93,439
1.000		93,739	0.0	0.0	0.276	-0.000	94,015	93,462

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	72,165	0.0	0.0	0.021	-0.071	72,257	72,073
0.250		72,165	0.0	0.0	0.021	-0.053	72,239	72,091
0.500		72,165	0.0	0.0	0.021	-0.036	72,221	72,109
0.750		72,165	0.0	0.0	0.021	-0.016	72,204	72,127
1.000		72,165	0.0	0.0	0.021	-0.000	72,186	72,146

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-74,008	0.0	0.0	0.005	0.195	-73,808	-74,208
0.250		-74,008	0.0	0.0	0.005	0.148	-73,857	-74,160
0.500		-74,008	0.0	0.0	0.005	0.097	-73,906	-74,111
0.750		-74,008	0.0	0.0	0.005	0.049	-73,954	-74,062

1.000 -74.008 0.0 0.0 0.005 -0.000 -74.003 -74.014

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	1.960	0.0	0.0	0.008	-0.002	1.976	1.958
0.250		1.960	0.0	0.0	0.008	-0.001	1.977	1.958
0.500		1.960	0.0	0.0	0.008	-0.001	1.977	1.959
0.750		1.960	0.0	0.0	0.008	-0.000	1.976	1.959
1.000		1.960	0.0	0.0	0.008	-0.000	1.976	1.960

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	2.257	0.0	0.0	-0.001	-0.002	2.261	2.254
0.250		2.257	0.0	0.0	-0.001	-0.002	2.260	2.254
0.500		2.257	0.0	0.0	-0.001	-0.001	2.260	2.255
0.750		2.257	0.0	0.0	-0.001	-0.001	2.259	2.255
1.000		2.257	0.0	0.0	-0.001	-0.000	2.259	2.256

MEMBER 132

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-93.739	0.0	0.0	0.0	0.0	-93.739	-93.739
0.250		-93.739	0.0	0.0	0.0	0.0	-93.739	-93.739
0.500		-93.739	0.0	0.0	0.0	0.0	-93.739	-93.739
0.750		-93.739	0.0	0.0	0.0	0.0	-93.739	-93.739
1.000		-93.739	0.0	0.0	0.0	0.0	-93.739	-93.739

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

LOADING 3 GRAVITY AND BUOYANCY

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DISTANCE /-----/
FROM START  AXIAL  Y SHEAR  Z SHEAR  Y BENDING  Z BENDING  MAX NORMAL  MIN NORMAL
0.0  FR      -72.166  0.0  0.0  0.0  0.0  -72.166  -72.166
0.250  FR      -72.166  0.0  0.0  0.0  0.0  -72.166  -72.166
0.500  FR      -72.166  0.0  0.0  0.0  0.0  -72.166  -72.166
0.750  FR      -72.166  0.0  0.0  0.0  0.0  -72.166  -72.166
1.000  FR      -72.166  0.0  0.0  0.0  0.0  -72.166  -72.166
    
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LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

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DISTANCE /-----/
FROM START  AXIAL  Y SHEAR  Z SHEAR  Y BENDING  Z BENDING  MAX NORMAL  MIN NORMAL
0.0  FR      73.930  0.0  0.0  0.0  0.0  73.930  73.930
0.250  FR      73.930  0.0  0.0  0.0  0.0  73.930  73.930
0.500  FR      73.930  0.0  0.0  0.0  0.0  73.930  73.930
0.750  FR      73.930  0.0  0.0  0.0  0.0  73.930  73.930
1.000  FR      73.930  0.0  0.0  0.0  0.0  73.930  73.930
    
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LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

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DISTANCE /-----/
FROM START  AXIAL  Y SHEAR  Z SHEAR  Y BENDING  Z BENDING  MAX NORMAL  MIN NORMAL
0.0  FR      -1.968  0.0  0.0  0.0  0.0  -1.968  -1.968
0.250  FR      -1.968  0.0  0.0  0.0  0.0  -1.968  -1.968
0.500  FR      -1.968  0.0  0.0  0.0  0.0  -1.968  -1.968
0.750  FR      -1.968  0.0  0.0  0.0  0.0  -1.968  -1.968
1.000  FR      -1.968  0.0  0.0  0.0  0.0  -1.968  -1.968
    
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LOADING 6 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

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DISTANCE /-----/
FROM START  AXIAL  Y SHEAR  Z SHEAR  Y BENDING  Z BENDING  MAX NORMAL  MIN NORMAL
0.0  FR      -2.257  0.0  0.0  0.0  0.0  -2.257  -2.257
0.250  FR      -2.257  0.0  0.0  0.0  0.0  -2.257  -2.257
0.500  FR      -2.257  0.0  0.0  0.0  0.0  -2.257  -2.257
0.750  FR      -2.257  0.0  0.0  0.0  0.0  -2.257  -2.257
1.000  FR      -2.257  0.0  0.0  0.0  0.0  -2.257  -2.257
    
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MEMBER 133

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /		STRESS						
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	9.329	0.0	0.0	17.966	-100.397	127.692	-109.034
0.250		9.329	0.0	0.0	5.590	-63.655	78.574	-59.916
0.500		9.329	0.0	0.0	-9.786	-26.915	43.028	-24.370
0.750		9.329	0.0	0.0	-19.162	9.828	38.319	-19.661
1.000		9.329	0.0	0.0	-31.538	46.570	87.437	-68.778

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /		STRESS						
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	577.265	0.0	0.0	-81.899	-54.592	715.756	440.773
0.250		577.265	0.0	0.0	-27.402	-28.754	633.400	521.129
0.500		577.265	0.0	0.0	27.095	-2.875	607.235	547.294
0.750		577.265	0.0	0.0	81.592	22.983	681.840	472.689
1.000		577.265	0.0	0.0	136.089	48.842	762.196	392.335

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /		STRESS						
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-4.545	0.0	0.0	-10.492	-3.853	9.800	-18.890
0.250		-4.545	0.0	0.0	-8.535	-1.408	5.398	-14.488
0.500		-4.545	0.0	0.0	-6.578	1.037	3.070	-12.160
0.750		-4.545	0.0	0.0	-4.621	3.482	3.558	-12.688
1.000		-4.545	0.0	0.0	-2.664	5.927	4.046	-13.136

LOADING 4 TRANSIENT LIVE LOADS - VIBRATING IN Y-DIRECTION

DISTANCE /		STRESS						
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LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FRM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FM		0.0	0.0	-6.585	4.088	6.731	-14.615
	0.250		-3.942	0.0	0.0	-5.557	-0.703	2.319	-10.203
	0.500		-3.942	0.0	0.0	-4.529	-5.495	6.082	-13.966
	0.750		-3.942	0.0	0.0	-3.501	-10.286	9.685	-17.729
	1.000		-3.942	0.0	0.0	-2.473	-15.077	13.608	-21.492

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FRM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR		0.0	0.0	-15.996	-0.692	2.946	-30.426
	0.250		-15.739	0.0	0.0	-11.427	-1.305	-1.007	-26.471
	0.500		-15.739	0.0	0.0	-6.859	-1.918	-4.982	-22.516
	0.750		-15.739	0.0	0.0	-2.291	-2.531	-8.917	-18.561
	1.000		-15.739	0.0	0.0	2.278	-5.145	-8.317	-19.161

MEMBER 191

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FRM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FM		0.0	0.0	237.889	-268.810	1144.320	130.924
	0.250		637.622	0.0	0.0	266.509	-290.506	1194.437	40.807
	0.500		637.622	0.0	0.0	295.129	-311.803	1244.554	30.690
	0.750		637.622	0.0	0.0	323.750	-333.299	1294.671	-19.427
	1.000		637.622	0.0	0.0	352.370	-354.796	1344.788	-69.543

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FRM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	44,272	0.0	0.0	157,410	-91,622	295,303	-204,760
0.250	44,272	0.0	0.0	165,910	-98,448	308,629	-220,086
0.500	44,272	0.0	0.0	174,410	-105,274	323,955	-235,412
0.750	44,272	0.0	0.0	182,910	-112,100	339,281	-250,738
1.000	44,272	0.0	0.0	191,410	-118,926	354,607	-266,064

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	133,198	0.0	0.0	7,685	17,127	158,010	108,386
0.250	133,198	0.0	0.0	8,559	12,162	153,919	112,477
0.500	133,198	0.0	0.0	9,433	7,198	149,828	116,568
0.750	133,198	0.0	0.0	10,306	2,233	145,737	120,658
1.000	133,198	0.0	0.0	11,180	-2,731	141,646	119,247

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	14,097	0.0	0.0	7,419	-0,934	22,450	5,744
0.250	14,097	0.0	0.0	8,354	-2,039	24,489	3,705
0.500	14,097	0.0	0.0	9,288	-3,144	26,529	1,666
0.750	14,097	0.0	0.0	10,222	-4,249	28,568	-0,374
1.000	14,097	0.0	0.0	11,156	-5,354	30,607	-2,413

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	3,136	0.0	0.0	-3,426	-7,551	14,112	-7,841
0.250	3,136	0.0	0.0	-4,602	-6,220	9,957	-3,686
0.500	3,136	0.0	0.0	-5,778	-4,889	12,655	-6,384
0.750	3,136	0.0	0.0	-6,954	-3,559	15,352	-9,081
1.000	3,136	0.0	0.0	-8,130	-2,228	18,049	-11,778

MEMBER 192

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-41.003	-94.831	-242.967	-514.635
0.250		0.0	0.0	-12.200	-106.349	-260.252	-497.349
0.500		0.0	0.0	16.604	-117.868	-244.329	-513.272
0.750		0.0	0.0	45.407	-129.386	-204.008	-553.594
1.000		0.0	0.0	74.211	-140.904	-163.686	-593.916

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	56.331	64.492	940.869	699.221
0.250		0.0	0.0	83.307	20.970	924.323	715.768
0.500		0.0	0.0	110.283	-22.552	952.880	647.210
0.750		0.0	0.0	137.259	-66.074	1023.578	616.712
1.000		0.0	0.0	164.235	-109.596	1093.876	546.215

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-9.138	9.495	188.906	151.641
0.250		0.0	0.0	3.073	7.350	180.696	159.851
0.500		0.0	0.0	15.284	5.204	190.762	149.785
0.750		0.0	0.0	27.495	3.059	200.828	139.719
1.000		0.0	0.0	39.706	0.914	210.893	129.654

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-9.138	9.495	188.906	151.641
0.250		0.0	0.0	3.073	7.350	180.696	159.851
0.500		0.0	0.0	15.284	5.204	190.762	149.785
0.750		0.0	0.0	27.495	3.059	200.828	139.719
1.000		0.0	0.0	39.706	0.914	210.893	129.654

FR	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-4,584	0.0	0.0	-7,914	6,360	9,669	-18,637
0.250	-4,584	0.0	0.0	-4,884	3,679	3,979	-13,147
0.500	-4,584	0.0	0.0	-1,655	1,019	-1,711	-7,457
0.750	-4,584	0.0	0.0	1,174	-1,642	-1,768	-7,400
1.000	-4,584	0.0	0.0	4,204	-4,303	3,922	-13,090

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

MEMBER	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
193	11,241	0.0	0.0	-6,656	9,683	27,980	-5,498
	11,241	0.0	0.0	-3,762	5,820	20,823	1,659
	11,241	0.0	0.0	-0,667	1,758	13,666	8,616
	11,241	0.0	0.0	2,627	-2,305	15,973	6,509
	11,241	0.0	0.0	5,522	-6,367	23,130	-0,648

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

MEMBER	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
193	-427,312	0.0	0.0	-12,260	-1208,459	793,408	-1648,031
	-427,312	0.0	0.0	-2,729	-721,663	297,280	-1151,903
	-427,312	0.0	0.0	6,803	-235,267	-185,241	-669,382
	-427,312	0.0	0.0	16,335	251,329	-159,647	-694,976
	-427,312	0.0	0.0	25,867	737,926	536,481	-1191,104

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

MEMBER	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
193	-769,706	0.0	0.0	9,345	-718,734	-41,627	-1497,764
	-769,706	0.0	0.0	58,299	-382,915	-328,493	-1210,918
	-769,706	0.0	0.0	107,252	-47,095	-615,358	-924,053

0.750 -769,706 0.0 0.0 156,206 288,724 -324,776 -1214,635
 1.000 -769,706 0.0 0.0 205,160 624,545 59,997 -1599,408

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE		STRESS									
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL	
0.0	FR	167,296	0.0	0.0	-15,627	-48,380	231,302	103,289	231,302	103,289	
0.250		167,296	0.0	0.0	-16,081	-24,059	207,456	127,155	207,456	127,155	
0.500		167,296	0.0	0.0	-16,536	0,261	184,093	150,498	184,093	150,498	
0.750		167,296	0.0	0.0	-16,990	24,582	208,868	125,723	208,868	125,723	
1.000		167,296	0.0	0.0	-17,445	48,903	235,643	100,948	235,643	100,948	

LOADING 4 INSTANTIAL LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE		STRESS									
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL	
0.0	FR	-5,803	0.0	0.0	1,575	-17,032	12,805	-24,410	12,805	-24,410	
0.250		-5,803	0.0	0.0	1,094	-10,164	5,456	-17,061	5,456	-17,061	
0.500		-5,803	0.0	0.0	0,613	-5,297	-1,693	-9,712	-1,693	-9,712	
0.750		-5,803	0.0	0.0	0,132	5,571	-2,099	-9,506	-2,099	-9,506	
1.000		-5,803	0.0	0.0	-9,579	10,459	4,986	-16,591	4,986	-16,591	

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE		STRESS									
FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL	MAX NORMAL	MIN NORMAL	
0.0	FR	-9,846	0.0	0.0	0,287	-17,936	8,377	-28,070	8,377	-28,070	
0.250		-9,846	0.0	0.0	0,333	-10,485	0,771	-20,664	0,771	-20,664	
0.500		-9,846	0.0	0.0	0,952	-5,034	-5,650	-12,822	-5,650	-12,822	
0.750		-9,846	0.0	0.0	1,572	4,417	-3,858	-15,835	-3,858	-15,835	
1.000		-9,846	0.0	0.0	2,191	11,668	4,213	-23,906	4,213	-23,906	

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM STMT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	995.036	0.0	0.0	678.264	-765.979	2639.298	-649.227
0.250		995.036	0.0	0.0	477.012	-485.525	1957.373	32.699
0.500		995.036	0.0	0.0	75.741	-604.011	1672.277	111.067
0.750		995.036	0.0	0.0	-325.531	-75.983	1396.549	593.522
1.000		995.036	0.0	0.0	-726.802	356.836	2078.478	-88.403

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM STMT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-59.385	0.0	0.0	640.591	-274.623	855.830	-974.599
0.250		-59.385	0.0	0.0	413.712	-172.524	735.628	-274.577
0.500		-59.385	0.0	0.0	186.832	-29.980	157.608	-276.177
0.750		-59.385	0.0	0.0	-40.047	92.371	73.034	-191.803
1.000		-59.385	0.0	0.0	-266.927	214.703	422.245	-541.014

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM STMT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	194.014	0.0	0.0	24.973	-3.084	222.072	165.957
0.250		194.014	0.0	0.0	12.989	-11.623	218.627	169.402
0.500		194.014	0.0	0.0	1.005	-20.162	215.162	172.647
0.750		194.014	0.0	0.0	-10.979	-26.702	233.645	154.334
1.000		194.014	0.0	0.0	-22.963	-37.241	254.218	133.811

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM STMT	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	13.675	0.0	0.0	26.048	-14.177	53.896	-26.587
0.250		13.675	0.0	0.0	14.712	-8.577	36.964	-9.615
0.500		13.675	0.0	0.0	3.381	-2.977	20.032	7.517
0.750		13.675	0.0	0.0	-7.951	2.823	24.249	3.101
1.000		13.675	0.0	0.0	-19.282	8.223	41.140	-15.831

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-1.567	0.0	0.0	5.133	-7.527	10.693	-14.028
0.250		-1.567	0.0	0.0	3.580	-3.918	5.691	-9.325
0.500		-1.567	0.0	0.0	1.940	-0.519	0.609	-4.923
0.750		-1.567	0.0	0.0	0.352	0.047	1.660	-0.814
1.000		-1.567	0.0	0.0	-1.021	0.350	3.962	-0.210

MEMBER 1VS

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-002.607	0.0	0.0	-26.062	34.184	-342.401	-462.493
0.250		-002.607	0.0	0.0	-10.201	-55.387	-357.059	-448.236
0.500		-002.607	0.0	0.0	5.660	-104.959	-292.029	-513.266
0.750		-002.607	0.0	0.0	21.520	-174.551	-236.597	-598.606
1.000		-002.607	0.0	0.0	37.381	-244.103	-121.164	-684.131

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	500.297	0.0	0.0	152.929	43.691	697.110	503.478
0.250		500.297	0.0	0.0	133.907	22.650	657.098	543.500
0.500		500.297	0.0	0.0	114.965	1.810	617.072	383.522
0.750		500.297	0.0	0.0	95.983	-19.230	615.510	385.084
1.000		500.297	0.0	0.0	77.001	-40.270	617.568	363.026

LOADING 3 GRAVITY AND BUOYANCY

----- STRESS -----

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	96.424	0.0	-58.675	-50.773	205.672	-13.024
0.250		96.424	0.0	-26.075	-24.530	147.029	45.819
0.500		96.424	0.0	6.525	1.715	104.663	68.185
0.750		96.424	0.0	39.125	27.957	163.506	29.342
1.000		96.424	0.0	71.725	54.200	222.349	-29.501

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

----- STRESS -----

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-4.979	0.0	0.518	1.834	-2.628	-7.330
0.250		-4.979	0.0	0.174	0.875	-3.930	-6.028
0.500		-4.979	0.0	-0.170	-0.083	-4.725	-5.232
0.750		-4.979	0.0	-0.514	-1.041	-3.423	-6.534
1.000		-4.979	0.0	-0.858	-1.999	-2.121	-7.836

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

----- STRESS -----

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	5.420	0.0	5.502	-0.659	9.581	1.258
0.250		5.420	0.0	2.394	-0.294	8.107	2.732
0.500		5.420	0.0	1.285	0.071	6.776	4.064
0.750		5.420	0.0	0.176	0.436	6.032	4.804
1.000		5.420	0.0	-0.933	0.802	7.154	3.685

MEMBER 196

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

----- STRESS -----

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.372	0.543	-2.073	-11.905
0.250		0.0	0.0	0.492	2.991	-3.506	-10.472
0.500		0.0	0.0	0.611	1.039	-4.939	-9.039
0.750		0.0	0.0	0.730	-0.113	-6.145	-7.633
1.000		0.0	0.0	0.650	-1.065	-4.474	-9.500

MEMBER 197

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-431.045	200.803	1327.001	51.305
0.250		0.0	0.0	-286.877	126.303	1102.333	275.973
0.500		0.0	0.0	-142.710	45.502	677.666	500.641
0.750		0.0	0.0	1.457	-34.609	725.308	652.998
1.000		0.0	0.0	145.624	-115.199	949.977	428.330

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	112.510	0.0	-186.330	195.733	494.577	-269.546
0.250		112.510	0.0	-80.496	133.188	326.199	-101.168
0.500		112.510	0.0	25.337	70.644	208.496	16.535
0.750		112.510	0.0	131.170	8.009	251.785	-26.754
1.000		112.510	0.0	237.000	-54.445	403.965	-176.934

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	113.404	0.0	-20.101	73.348	206.853	19.955
0.250		113.404	0.0	-10.932	32.335	156.670	70.136

1.500	113.004	0.0	0.0	-1.762	-6.676	123.685	102.963
1.750	113.004	0.0	0.0	7.407	-49.691	170.503	56.306
1.900	113.004	0.0	0.0	19.576	-90.705	220.685	6.123

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.0	0.0	0.0	0.0	0.0	23.761	-7.683
0.250	6.139	0.0	0.0	-10.355	5.267	16.805	-2.527
0.500	6.139	0.0	0.0	-3.514	2.197	13.850	2.428
0.750	6.139	0.0	0.0	-0.094	0.662	6.695	7.363
1.000	6.139	0.0	0.0	5.527	-0.673	12.339	3.939

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.0	0.0	0.0	0.0	0.0	6.700	-5.483
0.250	1.611	0.0	0.0	-1.670	5.223	6.691	-3.670
0.500	1.611	0.0	0.0	-1.402	2.135	6.679	-1.458
0.750	1.611	0.0	0.0	-0.933	0.591	2.667	0.555
1.000	1.611	0.0	0.0	0.004	-0.933	2.567	0.654

MEMBER 100

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.0	0.0	0.0	0.0	0.0	586.091	-612.372
0.250	-34.181	0.0	0.0	-301.912	276.319	166.907	-233.184
0.500	-34.181	0.0	0.0	-137.726	61.323	165.998	-214.276
0.750	-34.181	0.0	0.0	26.463	-153.672	525.177	-593.658
1.000	-34.181	0.0	0.0	190.650	-368.667	904.361	-972.642

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-72.857	536.321	470.044	-368.311
	0.250		0.0	0.0	-4.247	147.679	212.793	-91.060
	0.500		0.0	0.0	64.562	-40.962	166.191	-44.354
	0.750		0.0	0.0	152.972	-229.604	423.441	-301.706
	1.000		0.0	0.0	201.581	-418.246	680.693	-558.960

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	41.624	0.0	-69.256	-21.366	132.246	-48.008
	0.250		41.624	0.0	-88.983	-17.744	108.351	-25.103
	0.500		41.624	0.0	-24.710	-14.122	84.856	-1.208
	0.750		41.624	0.0	-9.437	-10.500	60.561	22.687
	1.000		41.624	0.0	11.836	-6.678	60.338	22.910

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-0.597	0.0	-1.753	-1.253	2.608	-3.603
	0.250		-0.597	0.0	-1.297	-0.831	1.530	-2.725
	0.500		-0.597	0.0	-0.841	-0.409	0.653	-1.887
	0.750		-0.597	0.0	-0.385	0.013	-0.199	-0.998
	1.000		-0.597	0.0	0.070	0.435	-0.092	-1.103

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.499	0.0	-0.406	1.338	2.244	-1.205
	0.250		0.499	0.0	-0.317	0.658	1.674	-0.675
	0.500		0.499	0.0	-0.228	-0.377	1.105	-0.106
	0.750		0.499	0.0	-0.139	-0.103	0.741	0.258

1.000 0.099 0.0 0.0 -0.049 -0.583 1.132 -0.133

MEMBER 199

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-55.087	0.0	286.377	350.840	602.129	-672.303
0.250		-35.087	0.0	122.836	111.259	199.009	-269.163
0.500		-35.087	0.0	-40.703	-124.320	133.936	-204.110
0.750		-55.087	0.0	-204.243	-567.699	537.055	-607.229
1.000		-35.087	0.0	-567.783	-607.479	940.176	-1010.550

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-59.836	0.0	36.274	-258.532	234.970	-354.642
0.250		-59.836	0.0	65.746	-109.282	115.192	-234.864
0.500		-59.836	0.0	95.217	39.967	75.348	-195.020
0.750		-59.836	0.0	124.689	189.216	259.069	-373.741
1.000		-59.836	0.0	154.161	338.466	432.791	-552.463

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	41.517	0.0	58.263	-37.834	137.614	-54.579
0.250		41.517	0.0	41.896	-28.760	111.773	-28.739
0.500		41.517	0.0	24.729	-19.686	85.933	-2.898
0.750		41.517	0.0	7.963	-10.612	60.092	22.982
1.000		41.517	0.0	-8.604	-1.538	51.859	31.175

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-0.616	0.0	0.0	0.947	0.241	0.571
0.250		-0.616	0.0	0.0	0.671	-0.125	0.160
0.500		-0.616	0.0	0.395	-0.211	-0.211	-1.413
0.750		-0.616	0.0	0.120	0.106	-0.391	-1.022
1.000		-0.616	0.0	-0.156	0.222	-0.239	-0.882
							-0.994

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

STRESS

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-0.897	0.0	0.0	2.690	0.225	2.017
0.250		-0.897	0.0	0.0	1.653	-0.259	1.015
0.500		-0.897	0.0	0.616	-0.743	0.462	-2.257
0.750		-0.897	0.0	-0.421	-1.227	0.751	-2.545
1.000		-0.897	0.0	-1.457	-1.712	2.272	-4.066

MEMBER 200

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	69.226	0.0	0.0	49.027	-191.584	309.636
0.250		69.226	0.0	0.0	35.852	-134.014	239.092
0.500		69.226	0.0	0.0	22.678	-76.345	168.348
0.750		69.226	0.0	0.0	9.503	-18.476	97.605
1.000		69.226	0.0	0.0	-3.672	38.695	111.591
							-171.385
							-100.641
							-29.897
							40.847
							26.861

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

STRESS

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FR	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-1.295	0.0	0.0	-438.078	67.343	123.499	-37.277
0.250	-1.295	0.0	0.0	-144.346	48.981	100.392	-14.170
0.500	-1.295	0.0	0.0	149.385	30.820	77.286	8.936
0.750	-1.295	0.0	0.0	443.116	12.259	56.561	29.661
1.000	-1.295	0.0	0.0	736.848	-6.102	55.150	31.073

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /-----/ STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	43.111	0.0	0.0	13.045	67.343	123.499	-37.277
0.250	43.111	0.0	0.0	8.300	48.981	100.392	-14.170
0.500	43.111	0.0	0.0	3.554	30.820	77.286	8.936
0.750	43.111	0.0	0.0	-1.191	12.259	56.561	29.661
1.000	43.111	0.0	0.0	-5.937	-6.102	55.150	31.073

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /-----/ STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.570	0.0	0.0	0.750	-1.600	5.120	-1.979
0.250	0.570	0.0	0.0	0.629	-1.243	2.442	-1.502
0.500	0.570	0.0	0.0	0.509	-0.686	1.765	-0.625
0.750	0.570	0.0	0.0	0.388	-0.130	1.088	0.052
1.000	0.570	0.0	0.0	0.267	0.427	1.264	-0.124

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /-----/ STRESS /-----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-0.248	0.0	0.0	1.024	-0.926	1.702	-2.197
0.250	-0.248	0.0	0.0	0.327	-0.690	0.769	-1.265
0.500	-0.248	0.0	0.0	-0.370	-0.454	0.576	-1.071
0.750	-0.248	0.0	0.0	-0.218	-0.218	1.037	-1.532
1.000	-0.248	0.0	0.0	-1.763	0.017	1.533	-2.028

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	204,487	0.0	0.0	62,324	582,741	-53,766
	0.250		204,487	0.0	-51,416	212,526	508,430	-19,455
	0.500		204,487	0.0	-40,509	189,123	474,119	14,856
	0.750		204,487	0.0	-29,601	165,720	439,808	49,167
	1.000		204,487	0.0	-18,694	142,316	405,497	83,478

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-422,883	0.0	0.0	46,542	-201,091	-604,674
	0.250		-422,883	0.0	-164,395	37,445	-221,043	-624,722
	0.500		-422,883	0.0	-153,540	28,348	-240,994	-604,771
	0.750		-422,883	0.0	-142,686	19,251	-260,946	-584,819
	1.000		-422,883	0.0	-131,831	10,154	-280,898	-564,867

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-279,002	0.0	0.0	9,009	-241,073	-316,930
	0.250		-279,002	0.0	0.0	9,439	-240,625	-317,179
	0.500		-279,002	0.0	0.0	9,869	-240,576	-317,428
	0.750		-279,002	0.0	0.0	10,299	-240,328	-317,676
	1.000		-279,002	0.0	0.0	10,729	-240,079	-317,925

LOADING 4 TRANSIENT LIVE LOADS - VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	-33,754	0.0	0.0	10,145	-1,742	-65,766
						21,867		

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.250		-35.754	0.0	0.0	12.368	23.160	1.774	-69.282
0.500		-35.754	0.0	0.0	14.590	24.453	5.289	-72.797
0.750		-35.754	0.0	0.0	16.813	25.746	8.605	-76.513
1.000		-35.754	0.0	0.0	19.035	27.039	12.520	-79.828

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-62.245	0.0	0.0	-22.666	-4.161	-35.418	-89.072
0.250		-62.245	0.0	0.0	-19.849	-2.473	-39.923	-84.567
0.500		-62.245	0.0	0.0	-17.032	-0.785	-44.428	-80.062
0.750		-62.245	0.0	0.0	-14.215	0.904	-47.126	-77.364
1.000		-62.245	0.0	0.0	-11.398	2.592	-48.255	-76.235

MEMBER 202

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	248.674	0.0	0.0	-77.111	192.715	514.500	-25.151
0.250		248.674	0.0	0.0	-60.578	174.535	479.787	9.561
0.500		248.674	0.0	0.0	-44.046	156.354	445.074	44.274
0.750		248.674	0.0	0.0	-27.513	138.174	410.361	78.987
1.000		248.674	0.0	0.0	-10.981	119.994	375.648	113.700

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	421.173	0.0	0.0	-338.733	-127.049	886.955	-44.609
0.250		421.173	0.0	0.0	-283.817	-103.854	808.844	33.502
0.500		421.173	0.0	0.0	-228.902	-80.658	730.733	111.613
0.750		421.173	0.0	0.0	-173.986	-57.463	652.622	189.724
1.000		421.173	0.0	0.0	-119.071	-34.267	574.511	267.835

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-278,490	0.0	0.0	56,643	34,908	-186,939	-370,041
0.250		-278,490	0.0	0.0	24,610	28,506	-225,374	-331,606
0.500		-278,490	0.0	0.0	-7,425	22,105	-208,962	-308,019
0.750		-278,490	0.0	0.0	-39,457	15,704	-223,329	-333,651
1.000		-278,490	0.0	0.0	-71,490	9,303	-197,697	-359,283

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-33,454	0.0	0.0	0.016	23,628	-9,811	-57,098
0.250		-33,454	0.0	0.0	-6,677	24,394	-2,383	-64,525
0.500		-33,454	0.0	0.0	-13,370	25,159	5,076	-71,980
0.750		-33,454	0.0	0.0	-20,063	25,925	12,534	-79,403
1.000		-33,454	0.0	0.0	-26,756	26,691	19,993	-86,902

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-25,845	0.0	0.0	-23,758	7,665	5,578	-57,267
0.250		-25,845	0.0	0.0	-29,552	6,667	12,374	-64,064
0.500		-25,845	0.0	0.0	-35,345	9,670	19,171	-70,860
0.750		-25,845	0.0	0.0	-41,139	10,673	25,967	-77,657
1.000		-25,845	0.0	0.0	-46,933	11,676	32,764	-84,454

MEMBER 203

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.00,053	0.0	0.0	58.073	101.961	-240.914	-720.987
0.250	0.00,053	0.0	0.0	58.318	179.320	-251.314	-726.591
0.500	0.00,053	0.0	0.0	58.564	176.680	-253.710	-724.196
0.750	0.00,053	0.0	0.0	58.809	174.030	-256.105	-721.800
1.000	0.00,053	0.0	0.0	59.054	171.390	-258.500	-719.405

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.053	0.0	0.0	-269.134	6.243	275.029	-275.324
0.250	0.053	0.0	0.0	-238.479	6.939	245.470	-245.365
0.500	0.053	0.0	0.0	-207.824	7.635	215.511	-215.406
0.750	0.053	0.0	0.0	-177.168	8.331	185.552	-185.447
1.000	0.053	0.0	0.0	-146.513	9.027	155.593	-155.488

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-266.660	0.0	0.0	1.952	-26.766	-237.942	-295.378
0.250	-266.660	0.0	0.0	1.978	-27.714	-236.962	-296.357
0.500	-266.660	0.0	0.0	2.005	-28.673	-235.982	-297.337
0.750	-266.660	0.0	0.0	2.031	-29.627	-235.002	-298.317
1.000	-266.660	0.0	0.0	2.057	-30.581	-234.022	-299.297

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-65.036	0.0	0.0	2.247	27.968	-34.023	-95.254
0.250	-65.036	0.0	0.0	2.246	24.737	-38.055	-92.021
0.500	-65.036	0.0	0.0	2.245	21.505	-41.288	-88.788
0.750	-65.036	0.0	0.0	2.243	18.274	-44.521	-85.555
1.000	-65.036	0.0	0.0	2.242	15.043	-47.754	-82.322

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-44.181	0.0	0.0	-16.098	-2.336	-25.747	-62.615
0.250		-44.181	0.0	0.0	-16.055	-5.054	-25.072	-65.290
0.500		-44.181	0.0	0.0	-16.011	-7.775	-20.597	-67.965
0.750		-44.181	0.0	0.0	-15.968	-10.421	-17.721	-70.640
1.000		-44.181	0.0	0.0	-15.924	-13.210	-15.046	-73.315

MEMBER 204

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	245.092	0.0	0.0	-40.837	181.294	467.222	22.961
0.250		245.092	0.0	0.0	-16.481	88.741	350.315	139.870
0.500		245.092	0.0	0.0	7.876	-3.812	256.779	233.404
0.750		245.092	0.0	0.0	32.232	-96.365	375.648	116.495
1.000		245.092	0.0	0.0	56.589	-188.917	490.597	-80.414

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-423.883	0.0	0.0	-180.224	24.930	-258.729	-589.037
0.250		-423.883	0.0	0.0	-83.907	0.120	-339.656	-507.910
0.500		-423.883	0.0	0.0	-27.590	-24.690	-371.604	-476.162
0.750		-423.883	0.0	0.0	28.727	-89.499	-345.657	-502.109
1.000		-423.883	0.0	0.0	85.044	-74.509	-264.530	-583.236

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

MEMBER	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-322.782	0.0	0.0	26.698	9.842	-294.242	-561.322
0.250		-322.782	0.0	0.0	20.667	5.728	-296.187	-349.577
0.500		-322.782	0.0	0.0	13.036	1.614	-308.152	-537.452
0.750		-322.782	0.0	0.0	5.205	-2.500	-315.077	-550.497
1.000		-322.782	0.0	0.0	-2.626	-6.614	-313.542	-532.021

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-33.752	0.0	0.0	20.306	24.604	11.358	-78.861
0.250		-33.752	0.0	0.0	13.677	20.697	0.615	-68.316
0.500		-33.752	0.0	0.0	7.049	16.971	-9.732	-57.771
0.750		-33.752	0.0	0.0	0.421	13.054	-20.277	-47.226
1.000		-33.752	0.0	0.0	-6.207	9.137	-18.407	-49.096

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-62.243	0.0	0.0	-10.750	1.452	-50.041	74.446
0.250		-62.243	0.0	0.0	-8.869	2.420	-50.954	-73.533
0.500		-62.243	0.0	0.0	-6.988	3.388	-51.867	-72.620
0.750		-62.243	0.0	0.0	-5.107	4.356	-52.780	-71.707
1.000		-62.243	0.0	0.0	-3.227	5.324	-53.693	-70.794

MEMBER 205

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM	START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	245.099	0.0	0.0	-6.254	127.234	378.587	111.611
0.250		245.099	0.0	0.0	45.386	-12.017	502.462	187.736

0.500	245.099	0.0	0.0	96.447	-151.268	493.314	-5.116
0.750	245.099	0.0	0.0	148.548	-290.519	684.165	-193.967
1.000	245.099	0.0	0.0	200.149	-429.770	875.017	-384.819

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	423.868	0.0	0.0	-151.273	664.661	183.075
0.250		423.868	0.0	0.0	-80.159	564.932	282.803
0.500		423.868	0.0	0.0	-70.797	524.127	323.609
0.750		423.868	0.0	0.0	-61.436	605.133	242.603
1.000		423.868	0.0	0.0	-52.075	686.139	161.598

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-323.200	0.0	0.0	17.386	-238.613	-407.787
0.250		-323.200	0.0	0.0	7.343	-267.218	-379.182
0.500		-323.200	0.0	0.0	-2.701	-290.422	-355.978
0.750		-323.200	0.0	0.0	-12.744	-296.940	-347.459
1.000		-323.200	0.0	0.0	-22.788	-293.365	-353.034

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-53.752	0.0	0.0	24.745	18.840	-86.344
0.250		-53.752	0.0	0.0	19.592	4.348	-71.851
0.500		-53.752	0.0	0.0	14.039	-10.145	-57.358
0.750		-53.752	0.0	0.0	8.687	-24.636	-42.866
1.000		-53.752	0.0	0.0	3.334	-21.706	-45.798

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.0	0.0	0.0	0.0
0.250		0.0	0.0	0.0	0.0	0.0	0.0
0.500		0.0	0.0	0.0	0.0	0.0	0.0
0.750		0.0	0.0	0.0	0.0	0.0	0.0
1.000		0.0	0.0	0.0	0.0	0.0	0.0

1.000 -310.436 0.0 0.0 2.937 -3.677 -305.621 -317.051

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	2.894	15.043	-47.099	-82.972
0.250		0.0	0.0	2.886	8.810	-53.339	-76.731
0.500		0.0	0.0	2.878	2.577	-59.580	-70.490
0.750		0.0	0.0	2.870	-3.656	-58.509	-71.562
1.000		0.0	0.0	2.863	-9.869	-52.284	-77.787

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	-12.129	-13.210	-18.838	-69.516
0.250		0.0	0.0	-11.887	-11.384	-20.906	-67.449
0.500		0.0	0.0	-11.645	-9.556	-22.973	-65.581
0.750		0.0	0.0	-11.404	-7.733	-25.041	-63.514
1.000		0.0	0.0	-11.162	-5.907	-27.108	-61.246

MEMBER 207

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	33.266	-138.122	387.956	45.181
0.250		0.0	0.0	38.444	-158.651	413.663	19.473
0.500		0.0	0.0	43.622	-179.180	439.370	-6.234
0.750		0.0	0.0	48.801	-199.709	465.078	-31.941
1.000		0.0	0.0	53.979	-220.238	490.785	-57.649

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-374.556	0.0	0.0	75.033	-64.900	-514.488
0.250		-374.556	0.0	0.0	115.024	-50.260	-539.840
0.500		-374.556	0.0	0.0	155.016	-35.621	-565.192
0.750		-374.556	0.0	0.0	195.007	-20.981	-590.545
1.000		-374.556	0.0	0.0	234.999	-6.542	-615.897

LOADING 3 GRAVITY AND BUOYANCY

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-358.553	0.0	0.0	-1.647	-7.112	-367.111
0.250		-358.553	0.0	0.0	-1.981	-6.054	-366.388
0.500		-358.553	0.0	0.0	-2.315	-4.997	-365.666
0.750		-358.553	0.0	0.0	-2.649	-3.940	-364.942
1.000		-358.553	0.0	0.0	-2.984	-2.883	-364.219

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-29.718	0.0	0.0	-2.756	3.258	-35.733
0.250		-29.718	0.0	0.0	-2.618	3.261	-35.598
0.500		-29.718	0.0	0.0	-2.479	3.264	-35.462
0.750		-29.718	0.0	0.0	-2.341	3.267	-35.327
1.000		-29.718	0.0	0.0	-2.203	3.270	-35.191

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-54.804	0.0	0.0	-1.370	2.098	-58.270
0.250		-54.804	0.0	0.0	-0.841	2.433	-58.078
0.500		-54.804	0.0	0.0	-0.311	2.771	-57.886
0.750		-54.804	0.0	0.0	0.219	3.109	-58.132
1.000		-54.804	0.0	0.0	0.749	3.447	-59.000

MEMBER 208

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	216,544	0.0	0.0	218,018	-313,041	747,603	-314,516
0.250		216,544	0.0	0.0	97,567	-271,598	585,708	-152,621
0.500		216,544	0.0	0.0	-22,884	-230,154	469,582	-36,405
0.750		216,544	0.0	0.0	-143,336	-188,710	548,589	-115,502
1.000		216,544	0.0	0.0	-263,787	-147,266	627,597	-194,510

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	374,526	0.0	0.0	192,247	-37,658	604,430	144,622
0.250		374,526	0.0	0.0	166,973	-11,319	552,818	196,234
0.500		374,526	0.0	0.0	141,699	15,019	531,244	217,808
0.750		374,526	0.0	0.0	116,426	41,357	532,309	216,743
1.000		374,526	0.0	0.0	91,152	67,696	533,374	215,678

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-358,723	0.0	0.0	8,138	-17,030	-334,555	-583,890
0.250		-358,723	0.0	0.0	5,540	-14,138	-339,044	-576,401
0.500		-358,723	0.0	0.0	2,942	-11,247	-344,533	-572,912
0.750		-358,723	0.0	0.0	0,545	-8,556	-350,022	-567,423
1.000		-358,723	0.0	0.0	-2,253	-5,464	-351,006	-566,440

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	5.420	-1.153	-23.146	-36.292
0.250		0.0	0.0	3.781	-0.306	-25.632	-33.806
0.500		0.0	0.0	2.142	0.541	-27.037	-32.401
0.750		0.0	0.0	0.505	1.387	-27.829	-31.609
1.000		0.0	0.0	-1.136	2.234	-26.349	-35.089

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	0.659	-5.224	-17.135	-28.862
0.250		0.0	0.0	0.062	-4.602	-18.335	-27.662
0.500		0.0	0.0	-0.516	-3.979	-18.504	-27.493
0.750		0.0	0.0	-1.093	-3.356	-18.549	-27.447
1.000		0.0	0.0	-1.670	-2.733	-18.595	-27.402

MEMBER 209

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	32.434	-447.119	46.486	-912.621
0.250		0.0	0.0	33.791	-312.004	-87.272	-778.863
0.500		0.0	0.0	35.149	-176.889	-221.029	-645.105
0.750		0.0	0.0	36.506	-41.774	-354.787	-511.548
1.000		0.0	0.0	37.864	93.341	-301.863	-564.272

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.000	0.0	161.287	-165.483	326.829	-326.710

0.250	0.060	0.0	0.0	192.140	85.442	275.640	-275.521
0.500	0.060	0.0	0.0	222.992	1.400	224.452	-224.333
0.750	0.060	0.0	0.0	253.845	80.641	334.545	-334.426
1.000	0.060	0.0	0.0	284.697	162.682	447.439	-447.320

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-347.481	0.0	0.0	0.749	-3.276	-343.455	-351.506
0.500	-347.481	0.0	0.0	0.894	-2.432	-344.155	-350.807
0.750	-347.481	0.0	0.0	1.039	-1.547	-344.854	-350.107
1.000	-347.481	0.0	0.0	1.184	-0.743	-345.554	-349.408
				1.329	0.102	-346.049	-348.912

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-57.261	0.0	0.0	1.749	8.811	46.701	-67.820
0.500	-57.261	0.0	0.0	1.701	5.555	49.965	-64.557
0.750	-57.261	0.0	0.0	1.733	2.209	53.228	-61.293
1.000	-57.261	0.0	0.0	1.725	0.956	54.579	-59.942
				1.717	4.212	51.531	-63.190

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR						
0.250	-38.897	0.0	0.0	3.316	-5.263	30.318	-47.476
0.500	-38.897	0.0	0.0	3.075	-2.869	33.153	-44.641
0.750	-38.897	0.0	0.0	2.834	-0.075	35.988	-41.806
1.000	-38.897	0.0	0.0	2.593	2.519	33.784	-44.010
				2.352	5.113	31.431	-46.362

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	87.058	-270.485	582.775	-140.311
	0.250	217.232	0.0	0.0	100.481	-215.182	532.895	-98.831
	0.500	217.232	0.0	0.0	113.904	-151.979	483.015	-48.551
	0.750	217.232	0.0	0.0	127.328	-88.575	433.135	1.330
	1.000	217.232	0.0	0.0	140.751	-25.271	383.254	51.210

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	260.533	-51.209	-63.864	-687.529
	0.250	-375.096	0.0	0.0	141.398	-81.809	-152.429	-596.963
	0.500	-375.096	0.0	0.0	22.262	-112.459	-200.995	-510.394
	0.750	-375.096	0.0	0.0	-96.873	-143.009	-135.814	-615.579
	1.000	-375.096	0.0	0.0	-216.009	-173.580	13.892	-765.294

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-2.004	-4.608	-440.694	-453.917
	0.250	-447.306	0.0	0.0	1.748	-1.741	-403.621	-450.791
	0.500	-447.306	0.0	0.0	5.491	1.126	-440.089	-453.923
	0.750	-447.306	0.0	0.0	9.234	3.992	-430.075	-460.537
	1.000	-447.306	0.0	0.0	12.978	6.859	-427.461	-467.151

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FRU- START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	FR	0.0	0.0	-1.019	1.188	-27.511	-31.926
	0.250	-29.716	0.0	0.0	-0.455	1.358	-27.905	-31.532
	0.500	-29.716	0.0	0.0	0.100	1.528	-28.082	-31.355

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.250	-447.675	0.0	0.0	-1.105	3.441	-453.131	-452.219
	0.500	-447.675	0.0	0.0	-6.309	0.0	-452.675	-452.675
	0.750	-447.675	0.0	0.0	-7.515	2.060	-438.100	-457.250
	1.000	-447.675	0.0	0.0	-10.721	4.610	-432.144	-463.297
	1.250	-447.675	0.0	0.0	-13.927	7.561	-426.167	-469.163

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.250	-29.719	0.0	0.0	-0.933	2.593	-26.194	-33.244
	0.500	-29.719	0.0	0.0	-1.166	2.594	-25.484	-33.449
	0.750	-29.719	0.0	0.0	-1.399	2.536	-25.783	-33.652
	1.000	-29.719	0.0	0.0	-1.632	2.518	-25.576	-33.659
	1.250	-29.719	0.0	0.0	-1.865	2.380	-25.373	-34.069

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.250	-22.998	0.0	0.0	-0.597	0.640	-21.555	-24.441
	0.500	-22.998	0.0	0.0	-1.236	0.186	-21.567	-24.430
	0.750	-22.998	0.0	0.0	-1.674	0.454	-20.970	-25.327
	1.000	-22.998	0.0	0.0	-2.515	1.105	-19.361	-26.615
	1.250	-22.998	0.0	0.0	-3.151	1.755	-18.092	-27.904

WERE 212

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE / FROM START AXIAL Y SHEAR Z SHEAR Y BENDING Z BENDING MAX NORMAL MIN NORMAL

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.0	0.0	50.777	93.581	-290.306	-576.542
0.250		0.0	0.0	49.225	136.998	-248.204	-620.643
0.500		0.0	0.0	47.674	180.647	-206.102	-662.745
0.750		0.0	0.0	46.123	224.301	-164.001	-704.847
1.000		0.0	0.0	44.571	267.954	-121.899	-746.949

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	0.040	0.0	278.052	162.682	440.774	-440.694
0.250		0.040	0.0	231.161	110.136	341.336	-341.257
0.500		0.040	0.0	184.270	57.590	241.899	-241.820
0.750		0.040	0.0	137.379	5.044	142.462	-142.582
1.000		0.040	0.0	90.488	-47.503	138.030	-137.951

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-836.430	0.0	-0.569	0.102	-435.959	-436.901
0.250		-836.430	0.0	-0.203	-1.676	-434.351	-434.509
0.500		-836.430	0.0	-0.037	-5.854	-432.538	-440.521
0.750		-836.430	0.0	0.128	-5.832	-430.469	-442.390
1.000		-836.430	0.0	0.294	-7.810	-428.325	-444.534

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE / STRESS

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-57.261	0.0	-0.692	4.212	-52.157	-62.366
0.250		-57.261	0.0	-0.901	3.691	-52.669	-61.853
0.500		-57.261	0.0	-0.910	3.169	-53.182	-61.581
0.750		-57.261	0.0	-0.919	2.648	-53.694	-60.828
1.000		-57.261	0.0	-0.928	2.127	-54.206	-60.316

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-38,898	0.0	0.0	-1,861	5,113	-31,903	-45,892
0.250		-38,898	0.0	0.0	-1,805	3,330	-35,982	-43,835
0.500		-38,898	0.0	0.0	-1,330	1,546	-36,022	-41,773
0.750		-38,898	0.0	0.0	-1,054	0,238	-37,606	-40,189
1.000		-38,898	0.0	0.0	-0,779	-2,021	-36,098	-41,697

MEMBER 213

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	247,213	0.0	0.0	281,572	-245,883	774,667	-280,241
0.250		247,213	0.0	0.0	27,470	-271,655	546,338	-51,911
0.500		247,213	0.0	0.0	-226,631	-297,426	771,271	-276,844
0.750		247,213	0.0	0.0	-480,733	-323,198	1051,144	-556,717
1.000		247,213	0.0	0.0	-738,834	-548,970	1331,017	-836,591

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-427,550	0.0	0.0	-164,547	-331,909	68,906	-924,007
0.250		-427,550	0.0	0.0	174,668	-64,217	-188,666	-666,435
0.500		-427,550	0.0	0.0	515,883	203,476	289,809	-1144,910
0.750		-427,550	0.0	0.0	853,098	471,169	896,717	-1751,818
1.000		-427,550	0.0	0.0	1192,314	738,662	1503,626	-2358,727

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
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MEMBER	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-609.352	0.0	0.0	15.801	5.540	-588.010	-630.693
0.250	-609.352	0.0	0.0	-6.750	-6.401	-594.200	-624.503
0.500	-609.352	0.0	0.0	-33.302	-18.343	-557.707	-660.986
0.750	-609.352	0.0	0.0	-57.853	-30.285	-521.214	-697.489
1.000	-609.352	0.0	0.0	-82.404	-42.226	-484.721	-733.982

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-33.752	0.0	0.0	1.649	1.637	-30.466	-37.039
0.250	-33.752	0.0	0.0	-1.685	-0.480	-31.287	-36.118
0.500	-33.752	0.0	0.0	-5.420	-2.597	-25.735	-41.770
0.750	-33.752	0.0	0.0	-8.955	-4.714	-20.083	-47.422
1.000	-33.752	0.0	0.0	-12.490	-6.831	-14.431	-53.074

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-62.243	0.0	0.0	-2.648	-1.106	-58.489	-65.997
0.250	-62.243	0.0	0.0	0.330	0.612	-61.302	-63.185
0.500	-62.243	0.0	0.0	3.308	2.330	-56.606	-67.881
0.750	-62.243	0.0	0.0	6.286	4.048	-51.910	-72.577
1.000	-62.243	0.0	0.0	9.263	5.766	-47.214	-77.273

MEMBER 214

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	247.210	0.0	0.0	-297.026	-198.853	743.089	-248.669
0.250	247.210	0.0	0.0	-37.004	-232.519	516.732	-22.313
0.500	247.210	0.0	0.0	223.019	-266.185	736.413	-241.994
0.750	247.210	0.0	0.0	483.041	-299.851	1030.102	-535.682

1.000 247,210 0.0 0.0 743,063 -333,517 1325,790 -629,571

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	427,529	0.0	0.0	-117,131	317,582	862,242	-7,185
0.250	427,529	0.0	0.0	213,230	59,910	700,669	154,388
0.500	427,529	0.0	0.0	543,592	-197,761	1168,882	-313,824
0.750	427,529	0.0	0.0	873,954	-455,433	1756,916	-901,858
1.000	427,529	0.0	0.0	1204,316	-713,105	2344,949	-1489,892

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-609,771	0.0	0.0	-18,561	3,330	-587,880	-631,662
0.250	-609,771	0.0	0.0	6,788	-8,649	-594,134	-625,407
0.500	-609,771	0.0	0.0	32,136	-21,028	-556,606	-662,935
0.750	-609,771	0.0	0.0	57,485	-33,207	-519,079	-700,463
1.000	-609,771	0.0	0.0	82,834	-45,386	-481,551	-737,991

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-33,753	0.0	0.0	-2,406	2,234	-29,113	-38,593
0.250	-33,753	0.0	0.0	1,524	-0,005	-32,423	-35,082
0.500	-33,753	0.0	0.0	5,054	-2,245	-26,454	-41,052
0.750	-33,753	0.0	0.0	8,784	-4,484	-20,484	-47,021
1.000	-33,753	0.0	0.0	12,514	-6,724	-14,515	-52,991

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0 FR	-26,120	0.0	0.0	-3,977	1,194	-20,948	-31,291
0.250	-26,120	0.0	0.0	1,603	-1,607	-22,910	-29,329

0.500	-26,120	0.0	0.0	7.183	-4,406	-14,528	-37,711
0.750	-26,120	0.0	0.0	12,763	-7,210	-6,107	-46,092
1.000	-26,120	0.0	0.0	18,343	-10,011	2,234	-54,473

MEMBER 215

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-494,387	0.0	0.0	-8,290	300,744	-185,353	-803,421
0.250	-494,387	0.0	0.0	-6,549	-178,852	-308,987	-679,787
0.500	-494,387	0.0	0.0	-4,807	-658,447	168,867	-1157,641
0.750	-494,387	0.0	0.0	-3,066	-1138,043	646,722	-1635,096
1.000	-494,387	0.0	0.0	-1,325	-1617,639	1124,577	-2115,351

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	0.053	0.0	0.0	369,634	-53,316	423,003	-422,896
0.250	0.053	0.0	0.0	260,342	-38,535	298,930	-298,824
0.500	0.053	0.0	0.0	151,050	-23,755	174,858	-174,752
0.750	0.053	0.0	0.0	41,759	-8,974	50,786	-50,679
1.000	0.053	0.0	0.0	-67,533	5,806	73,393	-73,286

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-596,995	0.0	0.0	1,118	-8,766	-587,110	-606,879
0.250	-596,995	0.0	0.0	1,304	7,225	-588,066	-605,523
0.500	-596,995	0.0	0.0	1,490	25,215	-572,289	-621,700
0.750	-596,995	0.0	0.0	1,676	39,206	-556,112	-637,877
1.000	-596,995	0.0	0.0	1,862	53,197	-539,935	-654,054

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-65.035	0.0	0.0	-0.041	2.387	-62.606	-67.863
0.250	-65.035	0.0	0.0	-0.051	-1.514	-65.469	-66.600
0.500	-65.035	0.0	0.0	-0.061	-5.415	-58.559	-70.511
0.750	-65.035	0.0	0.0	-0.071	-9.316	-55.648	-74.422
1.000	-65.035	0.0	0.0	-0.082	-13.217	-51.757	-78.333

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-44.177	0.0	0.0	-1.166	-2.269	-40.743	-47.612
0.250	-44.177	0.0	0.0	-0.856	-0.400	-42.921	-45.434
0.500	-44.177	0.0	0.0	-0.547	1.468	-42.162	-46.193
0.750	-44.177	0.0	0.0	-0.238	3.337	-40.603	-47.752
1.000	-44.177	0.0	0.0	0.072	5.206	-38.900	-49.455

MEMBER 216

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	400.957	0.0	0.0	-1120.523	-1092.204	2615.683	-1811.770
0.250	400.957	0.0	0.0	-840.392	-819.153	2060.502	-1258.589
0.500	400.957	0.0	0.0	-560.261	-546.102	1507.320	-705.407
0.750	400.957	0.0	0.0	-280.131	-273.051	954.138	-152.225
1.000	400.957	0.0	0.0	-0.000	-0.000	400.957	400.957

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	400.957	0.0	0.0	-1120.523	-1092.204	2615.683	-1811.770
0.250	400.957	0.0	0.0	-840.392	-819.153	2060.502	-1258.589
0.500	400.957	0.0	0.0	-560.261	-546.102	1507.320	-705.407
0.750	400.957	0.0	0.0	-280.131	-273.051	954.138	-152.225
1.000	400.957	0.0	0.0	-0.000	-0.000	400.957	400.957

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NATURAL FREQUENCY AND EARTHQUAKE ANALYSIS EAST COAST
AIR COMBAT MANEUVERI. (U) CREST ENGINEERING INC TULSA
OK SEP 76 27-771-99 CHES/NAVFAC-FPO-7611

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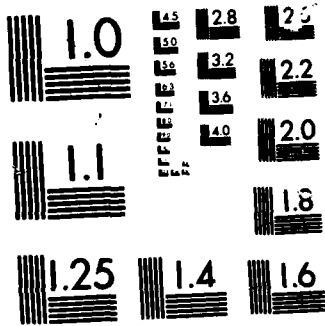
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MICROCOPY RESOLUTION TEST CHART

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FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-693.454	0.0	2398.364	1080.076	2780.987	-4167.895
0.250		-693.454	0.0	1795.773	810.059	1912.377	-3299.285
0.500		-693.454	0.0	1197.182	540.039	1043.767	-2430.675
0.750		-693.454	0.0	598.591	270.020	175.156	-1562.065
1.000		-693.454	0.0	0.000	0.000	-693.454	-693.454

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FR	-1087.356	0.0	-149.528	-86.233	-851.594	-1323.118
0.250		-1087.356	0.0	-112.146	-64.675	-910.535	-1264.177
0.500		-1087.356	0.0	-78.764	-45.117	-969.475	-1205.237
0.750		-1087.356	0.0	-37.382	-21.558	-1028.416	-1146.296
1.000		-1087.356	0.0	0.000	0.000	-1087.356	-1087.356

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-54.736	0.0	-23.392	-12.593	-18.751	-90.721
0.250		-54.736	0.0	-17.544	-9.485	-27.747	-81.724
0.500		-54.736	0.0	-11.696	-6.296	-36.743	-72.728
0.750		-54.736	0.0	-5.848	-3.148	-45.740	-63.732
1.000		-54.736	0.0	0.000	0.000	-54.736	-54.736

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

DISTANCE /----- STRESS -----/

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	FM	-100.936	0.0	17.475	10.424	-73.037	-120.835
0.250		-100.936	0.0	13.106	7.818	-80.012	-121.860
0.500		-100.936	0.0	8.737	5.212	-86.986	-114.885
0.750		-100.936	0.0	4.369	2.606	-93.961	-107.911
1.000		-100.936	0.0	0.000	0.000	-100.936	-100.936

MEMBER 217

LOADING 1 EARTHQUAKE LOADS IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	400.950	0.0	0.0	1126.548	-1079.788	2607.286	-1805.387
0.250	400.950	0.0	0.0	840.911	-809.842	2055.702	-1253.803
0.500	400.950	0.0	0.0	563.274	-539.894	1504.118	-702.219
0.750	400.950	0.0	0.0	281.637	-269.947	952.534	-150.634
1.000	400.950	0.0	0.0	0.000	0.000	400.950	400.950

LOADING 2 EARTHQUAKE LOADS IN X-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	693.421	0.0	0.0	2383.155	-1091.159	4167.734	-2780.893
0.250	693.421	0.0	0.0	1787.367	-818.369	3299.157	-1912.315
0.500	693.421	0.0	0.0	1191.578	-545.580	2430.578	-1043.736
0.750	693.421	0.0	0.0	595.789	-272.790	1562.000	-175.158
1.000	693.421	0.0	0.0	0.000	0.000	693.421	693.421

LOADING 3 GRAVITY AND BUOYANCY

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-1088.036	0.0	0.0	152.345	-86.583	-847.108	-1328.964
0.250	-1088.036	0.0	0.0	114.259	-66.437	-907.340	-1268.732
0.500	-1088.036	0.0	0.0	76.172	-44.291	-967.572	-1208.500
0.750	-1088.036	0.0	0.0	38.086	-22.146	-1027.804	-1148.268
1.000	-1088.036	0.0	0.0	0.000	0.000	-1088.036	-1088.036

LOADING 4 TRANSIENT LIVE LOADS - VIBRATING IN Y-DIRECTION

DISTANCE	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	400.950	0.0	0.0	1126.548	-1079.788	2607.286	-1805.387
0.250	400.950	0.0	0.0	840.911	-809.842	2055.702	-1253.803
0.500	400.950	0.0	0.0	563.274	-539.894	1504.118	-702.219
0.750	400.950	0.0	0.0	281.637	-269.947	952.534	-150.634
1.000	400.950	0.0	0.0	0.000	0.000	400.950	400.950

0.750 0.083 0.0 0.0 105.232 2.709 108.023 -107.657
 1.000 0.083 0.0 0.0 0.000 -0.000 0.083 0.083

LOADING 3 GRAVITY AND BUOYANCY

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-1067.313	0.0	0.0	-0.650	102.992	-963.671	-1170.955
0.250	-1067.313	0.0	0.0	-0.488	77.204	-989.582	-1145.045
0.500	-1067.313	0.0	0.0	-0.325	51.496	-1015.492	-1119.134
0.750	-1067.313	0.0	0.0	-0.163	25.748	-1041.403	-1093.224
1.000	-1067.313	0.0	0.0	-0.000	0.000	-1067.313	-1067.313

LOADING 4 TRANSIENT LIVE LOADS -- VIBRATING IN Y-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-105.461	0.0	0.0	0.035	-24.661	-80.766	-130.157
0.250	-105.461	0.0	0.0	0.026	-18.496	-86.940	-125.983
0.500	-105.461	0.0	0.0	0.018	-12.530	-93.114	-117.809
0.750	-105.461	0.0	0.0	0.009	-6.165	-99.287	-111.635
1.000	-105.461	0.0	0.0	0.000	-0.000	-105.461	-105.461

LOADING 5 TRANSIENT LIVE LOADS -- VIBRATING IN X-DIRECTION

FROM START	AXIAL	Y SHEAR	Z SHEAR	Y BENDING	Z BENDING	MAX NORMAL	MIN NORMAL
0.0	-71.641	0.0	0.0	-1.081	9.713	-60.847	-82.435
0.250	-71.641	0.0	0.0	-0.811	7.265	-63.545	-79.737
0.500	-71.641	0.0	0.0	-0.541	4.857	-66.248	-77.036
0.750	-71.641	0.0	0.0	-0.270	2.428	-68.943	-74.340
1.000	-71.641	0.0	0.0	0.000	-0.000	-71.641	-71.641

ASP JOB NO. = 0038

DATE = 76.190

/LLECS655 JOB (0008270500277101PCEYENG96) /ICHERN .,PRTY=4,CLASS=D,C003R

ELAPSED TIME ON MAIN = A = 014.04, START TIME = 16.56.55

DDNAME = SYSMMSG PRINTED ON RM027PH1, LINES = 000125
DDNAME = PT06F001 PRINTED ON RM027PH1, LINES = 018846
LINES OUTPUT FOR THIS JOB = 018971

CARDS FROM MAIN FOR THIS JOB = NONE

END
FILMED

4-86

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