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ENGINEERING DATA TRANSMITTAL

Page 1 of 1

1. EDT 622220

2. To: (Receiving Organization) Distribution	3. From: (Originating Organization) TWRS Projects/SST Retrieval	4. Related EDT No.: n/a
5. Proj./Prog./Dept./Div.: D2991 W-320 TWRS/TCPN # ~~D2MA1~~	6. Design Authority/ Design Agent/Cog. Engr.: JW Bailey, NHC	7. Purchase Order No.: n/a
8. Originator Remarks: For approval and release of a new supporting document. This document has been generated to ensure retrievability of the Project W-320 "Civil/Structural Calculations, Vol. 2".		9. Equip./Component No.: n/a 10. System/Bldg./Facility: 241-C-106
11. Receiver Remarks: 11A. Design Baseline Document? [X] Yes [] No		12. Major Assm. Dwg. No.: n/a 13. Permit/Permit Application No.: n/a 14. Required Response Date:

15. DATA TRANSMITTED

(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	(F) Approval Designator	(G) Reason for Transmittal	(H) Originator Disposition	(I) Receiver Disposition
1	HNF-2462	-	0	Project W-320, 241-C-106 Sluicing, Civil/Structural Calculations, Vol. 2	NA			-

16. KEY

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

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

(G) Reason	(H) Disp.	(J) Name (K) Signature (L) Date (M) MSIN	(G) Reason	(H) Disp.	(J) Name (K) Signature (L) Date (M) MSIN
2	1	Design Authority JW Bailey 7/20/98 S2-48			
		Design Agent			
2	1	Cog.Eng. MC DAVENport ~~CE Graves~~ 7/19/98 S2-48			
2	1	Cog. Mgr JW Bailey S2-48			
		QA			
		Safety			
		Env.			

18.	19.	20.	21. DOE APPROVAL (if required)
MC Davenport ~~C.E. Graves~~ ~~3/24/98~~ 7/18/98 Signature of EDT Originator Date	Authorized Representative Date for Receiving Organization	J.W. Bailey ~~3/24/98~~ 7/20/98 Design Authority/ Date Cognizant Manager	Ctrl. No. [] Approved [] Approved w/comments [] Disapproved w/comments

BD-7400-172-2 (05/96) GEF097

Project W-320, 241-C-106 Sluicing Civil/Structural Calculations, Vol. 2

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

EDT/ECN: 622220 UC: 506
Org Code: 8C452 Charge Code: D2991/HANA0600
B&R Code: EW3130010 Total Pages: 250

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

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

Kara J Broz 7/22/98
Release Approval Date

DATE: JUL 22 1998
STA: 4
HANFORD RELEASE
ID: 58
Release Stamp

Approved for Public Release

Project W-320, 241-C-106 Sluicing Civil/Structural Calculations, Vol. 2

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ICF Kaiser Hanford Company

INTEROFFICE MEMORANDUM

TO R. W. Davidson

DATE October 24, 1994

FROM J. L. Hopkins JLH

COPIES TO D. L. Evans
M. B. Lasota
M. S. Ruben

JOB NO. W-320

SUBJECT INDEPENDENT SEISMIC REVIEW - PROJECT W-320 EQUIPMENT REMOVAL SYSTEM, FLEXIBLE RECEIVER SUPPORT AND SHIELDED WORK PLATFORM.

Input design documents:

(1) FDC WHC-SD-W320-FDC-001 Rev 1, For Tank 241-C-1-106 Waste Retrieval.

(2) LOI 9360642 Rev 2 - Project W-320 - Equipment Removal System, Flexible Receiver Weight and Center of Gravity.

(3) SDC-4.1 Rev 12, Design Loads For Facilities.

(4) LOI KGS-94-013 - 3/1 Analysis Requirements For Project W-320 Equipment Removal System.

Output design documents:

(1) Calc. No. W320-24-002 - Flexible Receiver Suppt. & Shielded Work Platform - Sluice pit 241-AY-02B.

(2) Drawings H-2-820730 Sht 4; H-2-820732 Shts 1 & 2; H-2-820735 Sht 1,2,3, & 4; H-2-64314 Sht 1.

(3) Calc. No. W320-24-004 - Flexible Receiver Suppt. & Shielded Work Platform Heel Pit 241-C-06B.

(4) Drawings H-2-820729 Sht 1; H-2-820734 Sht 1 & 2; H-2-820737 Sht 1 & 2; H-2-820730 Sht 2; H-2-4135.

A review of the noted output design documents for compliance with the input design documents was completed on October 21, 1994, relative to the seismic design requirements. The output design documents were correct and no changes have to be made as a result of the review.

JLH:llr

ICF Kaiser Hanford Company

INTEROFFICE MEMORANDUM

TO F.W. Bradshaw

DATE 10-31-94

FROM R.W. Davidson

COPIES TO M.W. Manderbach
D.L. Evans

JOB NO. ER6160

SUBJECT DOE-RL AUDIT, #90-02

The Equipment Removal System (ERS) has been identified by WHC as not having any safety class 1 items present in the tank pits during equipment removal activities.

Documentation of this finding is provided in Letter of Instruction - 3/1 Analysis Requirements for Project W-320 Equipment Removal System (REF: LOI KGS-94-013). Based on this specific direction from WHC, no 3 over 1 analysis for any component of the Project W-320 ERS is required.

No further documentation of non-safety impacting safety items is required per DOE-RL Audit finding #90-02, and filing of this memorandum in the W-320 project files satisfies the intent of the referenced DOE observation.

KEH 0008.00 (04/94) KEF065

KAISER ENGINEERS HANFORD	CALCULATION IDENTIFICATION AND INDEX	Page i of ~~iii~~ iv Date 7/1/94

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

Discipline Structural   WO/Job No. CR 1257   Calculation No. W320-24-002

Project No. & Name W320 Equipment Removal System

Calculation Item Flex. Receiver Suppt & Shielded Work Platform - Sluicing Pit 241-AY-02B

These calculations apply to:

Dwg. No. H-2-820730 sht 4; H-2-820732 shts 1 & 2   Rev. No. 0/0/0

Dwg. No. H-2-820735 shts 1,2,3 & 4; H-2-64314 sht 1   Rev. No. 0/0/0/0/5

Other (Study, CDR) N/A   Rev. No. N/A

The status of these calculations is:

NOTE:
Alternate Check Calc. Attached for Shts 20 thru 26
See Shts 26a,b of 27.

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

Incorporated in Final Drawings? [X] Yes [] No

This calculation verified by independent "check" calculations? [X] Yes [ ] No RWD 9/30/94

Original and Revised Calculation Approvals:

	Rev. 0 Signature/Date	Rev. 1 Signature/Date	Rev. 2 Signature/Date
Originator	Michael B. Lasota 7/1/94	MICHAEL B. LASOTA 9/30/94	
Checked by	Michael R Custer 9/30/94	RW Davidson 10/14/94	
Approved by	RW Davidson 9/30/94	RW Davidson 10/14/94	
Checked Against Approved Vendor Data		Ann Langevin 4/7/98	

REV 1: Added Attach. 6,7 & Sht 2A;
Replaced Sht 2,27; Revised Sht 26b.

RONALD W. DAVIDSON
STATE OF WASHINGTON
24180
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 03-03-96
9/30/94
10/14/94

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Design Analysis Page No.	Description
1	Objectives
1	Criteria and assumptions
2	Computer Analysis - description
2a	References
3 - 26,a,b	Calculations
27	Conclusions
N/A	Attachment 1 - Flexible Receiver weight and Center of Gravity location.
N/A	Attachment 2 - Modal analysis - computer printout
N/A	Attachment 3 - Static Analysis - computer printout
N/A	Attachment 4 - Static Analysis - Pit Wall evaluation
N/A	Attachment 5 - Telecon "Lifting plates"

KAISER ENGINEERS HANFORD	CALCULATION IDENTIFICATION AND INDEX Continuation Sheet	Page ii of iv Date

Discipline Structural WO/Job No. ER 6160 Calculation No. W320-24-002

	Rev. 0 Signature/Date	Rev. 1 Signature/Date	Rev. 2 Signature/Date
Originator	Michael B. Lasota	~~Michael B. Lasota~~ 9/30/94	
Checked by	Michael R. Custer	10/14/94	

INDEX

Design Analysis Page No.	Description
N/A	Attachment 6 - Static Analysis - Seismic Load -x,-y,-z, As-Built
N/A	Attachment 7 - Static Analysis - Seismic Load +x,+y,+z, As-Built

KEH 0378.01 (06/92) KEF072

CALCULATION CROSS INDEX (Typical)

Subject Calculation No. W320-24-002

Subject Calculation Revision No.	Superceded by Calculation No.	These interfacing calculation/documents provide input to the subject calculation, and if revised may require revision of the subject calculation.		Results and conclusions of the subject calculation are used in these interfacing calculations and/or documents.		Does the output interface calculation/ documents require revision?		Has the output interface calculation/ documents been revised?		Discipline manager's signature and date indicating evaluation complete.
		Calculation/Document No.	Revision No.	Calculation/Document No.	Revision No.	Yes	No	Yes	No	
RO	N/A	W320-33-003	0	H-2-820730 SH4	0		✓		✓	RW Dowden 9/30/98
		H-2-64314	1	H-2-820735 SH1	0		✓		✓	
		H-2-820732 SH1	0	H-2-820735 SH2	0		✓		✓	
		H-2-820732 SH2	0	H-2-820735 SH3	0		✓		✓	
				H-2-820735 SH4	0		✓		✓	

DESIGN VERIFICATION SCREENING CRITERIA

Project/Document No. W 320-24-002

When the design or design change affects hardware, formal design verification must be performed if one or more of the following questions must be answered affirmatively (YES).

YES	NO	
	X	1. Does the design or design change involved meet the established criteria to be considered Safety Class 1 or 2?
	X	2. Does this design or design change cause or permit changes to Safety Class 1 or 2 instrument or alarm setpoints outside of previously approved operational limits?
	X	3. Does this design or design change significantly affect the nuclear safety consequences of a malfunction or failure of the structure, system, or component?
	X	4. Does this design or design change involve or change design that has previously undergone formal design verification?

[signature] 9/30/94
Assigned Lead Engineer — Date

[signature] 9/30/94
Responsible Discipline Manager — Date

Original Design Package Distribution:

- Project Manager
- Design Verification Officer
- Engineering Document Control

Design Change Distribution:

Attach to Engineering Change Notice

KEH-1981.00 (06/91)

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Calc. No. W320-24-002
Revision 0
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DESIGN ANALYSIS

Client WHC	WO/Job No. CR 1257	
Subject Flexible Receiver Support - design and analysis.	Date 7/1/94	By M. B. Lasota
	Checked 9/30/94	By M.R. Custer MRC
Location 241-AY-02B - Sluicing Pit	Revised N/A	By N/A

1. OBJECTIVES

The purpose of this calculations is to demonstrate that the design of the Shielded Work Platform and the Flexible Receiver Support is adequate to survive postulated earthquake when installed on the top of 241-AY-02B Sluicing Pit without any adverse effect on the Pit and the Equipment housed within the Pit. The evaluation will extend to temporary installation of Flexible Receiver Support on top of Cold Test Facility pit.

2. CRITERIA AND ASSUMPTIONS

DESIGN CRITERIA

The criteria for design of the flexible receiver support is outlined in the SDC 4.1 rev. 12. According to LOI 9360642 rev. 2, the functional classification of the flexible receiver is SC 3, however, the functional classification of the equipment located directly below the flexible receiver is SC 1, hence 3 over 1 classification for flexible receiver and its support is in order.

The consequence of this classification is, that the subject hardware must be capable to withstand the magnitude of the earthquake postulated for SC 1 structures, but fabrication and Quality Control can remain at SC 3 level.

The review of the drawing H-2-64314 indicate that the crown of the Sluicing Pit is located only 1'-0" above the grade elevation. In this case installation of expansion anchors would likely require some excavation. The soil around the pit is suspect (may be contaminated), thus the cost of excavation may unnecessarily escalate the project cost. In addition the installation time of expansion anchors is significantly longer than assembling prefabricated bolted steel elements.

Considering the preceding limitations, horizontal restraints of the support will be capable to resist only the force resulting in compression on the pump pit wall and therefore will always appear in pairs to accommodate reversible nature of the seismic loading.

ASSUMPTIONS

1. Determination of the location of the center of gravity of the flexible receiver is based on the data transmitted by Client included in Attachment 1.
2. The friction between the steel frame and the top of the pit's concrete wall during seismic event is neglected.
3. Due to relatively small overall dimensions of the pit, and a thick (12") reinforced concrete walls, rigid response of the pit is assumed. As a consequence the ground acceleration is used as a seismic input.

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Client WHC	WO/Job No. ER 6160	
Subject Flexible Receiver Support - design and analysis.	Date	By M. B. Lasota
	Checked 10-14-94	By R.W. Dowden
Location 241-AY-02B - Sluicing Pit	Revised 9/30/94	By M. B. Lasota

3. COMPUTER ANALYSIS.

Computer software used for the analyses of the "Spool Piece" - a support for the Flexible Receiver is: Revision 2 of the Interactive Microcomputer Analysis of General Elastic Structures - IMAGES - by Celestial Software. Due to the nature of the problem some limitations of the IMAGES - namely restriction on use of the nonlinear spring element to the static analysis - will dictate the use of pseudo dynamic analysis. The analysis of the structure will consist of two runs. The math model for each run will be essentially the same but the boundary conditions (restraints) will vary with varying load. The following is the description of each run - load and restraints. The Dead Weight of the radiation shielding is represented by modified density of the 1 1/2 inch steel plate.

a. Model 1. - modal analysis. Due to reversible nature of the dynamic load, modeling a lateral restraint at each of the vertical member ends would be inappropriate and would result in the higher stiffness of the structure.
In this case the lateral restraints are modeled as linear (in reality they resist only compression) but only at one side of each of two parallel sides of the structure. The error resulting from this type of modeling should be insignificant since connections at either side of the structure are identical and thus their elastic properties are also the same. As a result of the preceding discussion one can conclude that obtained frequency is reasonably accurate.

b. Model 2. - static analysis. The load is acting in +x,-y,+z direction. Load combination is DWT+Live+Seis. Lateral restraints are modeled at the vertical members where compression on the concrete pit wall would result (this will later be verified in the output). The vertical restraints are modeled along the perimeter of the pit as nonlinear springs.
Attachment 6 and Attachment 7 - the math model remains essentially the same except that it includes cover for the manhole connected to the remainder of the 1 1/2" plate connected via nonlinear compression springs.

Model 2 - Seismic load is based on the class 1 response spectrum from SDC 4.1 Rev 12 (using damping equal to 5% of the critical), based on the natural frequency of the structure and corrected by multi mode participation factor of 1.5 (ref. 2 NUREG 800). Vertical acceleration used is 2/3 of the horizontal. Live load is 60 psf - ref. 4, Table 2, page 4.

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DESIGN ANALYSIS

Client WHC
WO/Job No. ER 6160

Subject Flexible Receiver Support - design and analysis.

Date | By M. B. Lasota

Checked 10-14-94 | By R W Davidson

Location 241-AY-02B - Sluicing Pit

Revised 9/30/94 | By M. B. Lasota

4. REFERENCES

1. "Manual of Steel Construction - Allowable Stress Design" Ninth Edition, AISC 1989.
2. US NRC "Nureg 800".
3. SDC 4.1 Rev. 12.
4. "Minimum Design Loads for Buildings and Other Structures" ASCE 7-88
5. ACI SP-17(91), "ACI Design Handbook", Vol. 1.
6. ACI 318-89
7. "Seismic Analysis of Safety Related Nuclear Structures" ASCE, Sept. 1986.
8. "Moment and Reactions for Rectangular Plates", W. T. Moody Bureau of Reclamation, US DOI.

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DESIGN ANALYSIS

Calc. No. W320-24-002
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Client WHC
Subject Flexible Receiver Support - design and analysis
Location: 241-AY-02B - Sluicing Pit

WO/Job No. CR 1257
Date 7/1/94 By M. B. Lasota
Checked 9/30/94 By M.R. COSTER MRC
Revised By

The following calculations will help to determine response spectra for Non - Reactor Safety class I structures at any magnitude of natural frequency of the analysed structure (ref . SDC 4.1 rev. 12).

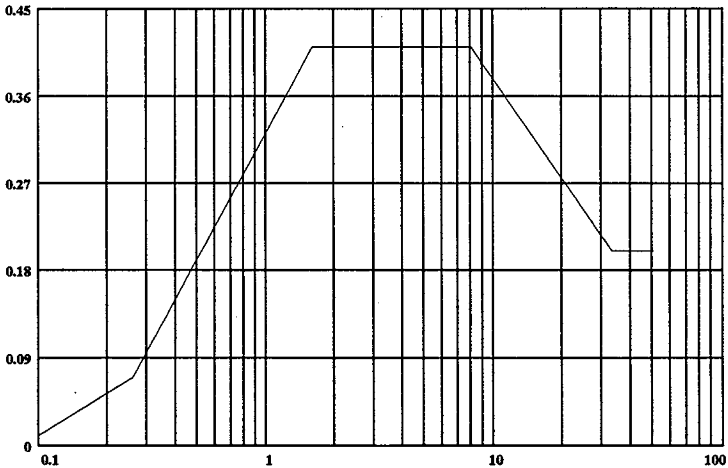
The RS curve from Figure 3 consist of five straight line segments. On the semilog graph the segments will remain as straight lines. The control points of the RS curve for damping equal to 5% of critical are as follows: f=33 Hz - g(33)=0.2; f=8 Hz - g(8)=0.41; f=1.6 Hz - g(1.6)=0.41; f=0.26 Hz - g(0.26)=0.07; f=0.1 Hz - g(0.1)=0.01

$f_1 := 0.10, 0.11 .. 0.26$ $\quad$ $f_2 := 0.26, 0.27 .. 1.6$ $\quad$ $f_3 := 1.6, 1.7 .. 8.0$

$g_1(f_1) := .1546 + .1446 \cdot \log(f_1)$ $\quad$ $g_2(f_2) := .3221 + .4308 \cdot \log(f_2)$ $\quad$ $g_3(f_3) := .4100$

$f_4 := 8, 9 .. 33$ $\quad$ $f_5 := 33, 34 .. 50$

$g_4(f_4) := .7182 - .3412 \cdot \log(f_4)$ $\quad$ $g_5(f_5) := 0.2$



ARS Safety Cl 1 - Frequency vs Acceleration normalized to 1G

$f_4 := 20.89$ $\quad g_4(f_4) = 0.268$ $\quad f_4 := 23.01$ $\quad g_4(f_4) = 0.25$ $\quad f_4 := 28.05$ $\quad g_4(f_4) = 0.22$

$f_5 := 35.54$ $\quad g_5(f_5) = 0.2$ $\quad f_5 := 47.21$ $\quad g_5(f_5) = 0.2$ $\quad f_5 := 51.43$ $\quad g_5(f_5) = 0.2$

For design use the following accelerations: Vertical equal to 2/3 of horizontal ref. SDC 4.1 rev 12
In the Equivalent Static analysis use multi-mode participation factor of 1.5 ref. NUREG 800. The following are accelerations used in further analysis:

$g_h := 1.5 \cdot 0.268$ $\quad g_h = 0.402$ $\quad$ and $\quad g_v := 1.5 \cdot \left(\frac{2}{3} \cdot 0.268\right)$ $\quad g_v = 0.268$

ICF KAISER HANFORD

DESIGN ANALYSIS

Client: WHC
Subject: Flexible Receiver Support - design and analysis.
Location: 241-AY-02B - Sluicing Pit

WO/Job No.: CR 1257
Date 7/1/94 **By:** Michael B. Lasota
Checked 9/30/94 **By** M.R CUSTER MRC
Revised **By**

Determine the equivalent density of the 1 1/2 in. plate including the weight of the lead shielding.

Since lead does not offer any strength as compared to the steel, the plate property - that is its thickness - will remain constant. Also the elastic properties of the steel plate will remain unchanged.

1/ Determine required thickness of the steel to reduce exposure from 500 mR/Hr to desirable 10 mR/Hr. From the table provided in calculation W-320-33-003:

For 10 mR/Hr - Steel thickness required is :

$t_r := 3.0833\cdot in$

Provided steel plate thickness is:

$t_{pl} := 1.5\cdot in$

The balance of the thickness is:

$\Delta_t := t_r - t_{pl}$ $\qquad \Delta_t = 1.58\cdot in$

2/ Determine the thickness of comercial lead sheets to provide an equivalent shielding properties of balance of the thickness of the steel plate.

The shielding property of the metals is proportional to their density.

$\gamma_{Pb} := 710\cdot\frac{lb}{ft^3}$ $\qquad \gamma_{st} := 490\cdot\frac{lb}{ft^3}$

Required thickness of the lead is:

$t_{Pb} := \Delta_t\cdot\frac{\gamma_{st}}{\gamma_{Pb}}$ $\qquad t_{Pb} = 1.09\cdot in$

The aproximation of t_{Pb} in the equivalent lead wool blankets is two layers of 3/4 in thick bankets and two layers of 1/2 in thick blankets.

$t_{eq} := 2\cdot\frac{3}{8}\cdot in + 2\cdot\frac{1}{4}\cdot in$ $\qquad t_{eq} = 1.25\cdot in$ $\qquad t_{eq} \geq t_{Pb}$ ok

$w_{bl} := 2\cdot 25\cdot\frac{lb}{ft^2} + 2\cdot 20\cdot\frac{lb}{ft^2}$ $\qquad w_{bl} = 90.00\cdot\frac{lb}{ft^2}$ $\qquad w_{1.5} := \gamma_{st}\cdot t_{pl}$ $\qquad w_{1.5} = 61.25\cdot\frac{lb}{ft^2}$

Total weight per square foot of the steel plate and required lead blanket is:

$w := w_{bl} + w_{1.5}$ $\qquad w = 151.25\cdot\frac{lb}{ft^2}$

And finally, the equivalent density of 1 1/2 in thick plate is:

$\gamma_{eq} := \frac{w}{t_{pl}}$ $\qquad \gamma_{eq} = 0.7002\cdot\frac{lb}{in^3}$

Find the location of the center of gravity of the flexible receiver assembly with respect to the origin of the math model's global coordinate system.

Calculate location of C.G. along x axis - Xo

$x_0 := 48 \cdot in$

$M_z := -290 \cdot lbf \cdot x_0 - 1135 \cdot lbf \cdot x_0 - 1147 \cdot lbf \cdot x_0 - 3 \cdot 325 \cdot lbf \cdot x_0 - 3 \cdot 20 \cdot lbf \cdot x_0 - 900 \cdot lbf \cdot (x_0 + 52 \cdot in)$

$M_z = -2.6314 \cdot 10^5 \cdot lbf \cdot in$

$W := -290 \cdot lbf - 1135 \cdot lbf - 1147 \cdot lbf - 3 \cdot 325 \cdot lbf - 3 \cdot 20 \cdot lbf - 900 \cdot lbf \quad W = -4.51 \cdot 10^3 \cdot lbf$

$X_o := \dfrac{M_z}{W} \qquad X_o = 58.38 \cdot in$

Calculate location of C.G. along y axis - Yo

$y_c := \left(\dfrac{1.5}{2}\right) \cdot in + 20.5 \cdot in + 0.125 \cdot in \qquad y_c = 21.38 \cdot in$

$M_{zy1} := 290 \cdot lbf \cdot (y_c + 36 \cdot in) + 1135 \cdot lbf \cdot y_c + 900 \cdot lbf \cdot (y_c + 18 \cdot in) + 3 \cdot 325 \cdot lbf \cdot (y_c - 11 \cdot in)$

$M_{zy2} := 1147 \cdot lbf \cdot (y_c - 10 \cdot in) + 3 \cdot 20 \cdot lbf \cdot (y_c - 10 \cdot in) \qquad M_{zy} := M_{zy1} + M_{zy2}$

$M_{zy} = 1.00 \cdot 10^5 \cdot lbf \cdot in \qquad Y_o := \dfrac{M_{zy}}{-W} \qquad Y_o = 22.23 \cdot in$

Use $Y_0 = 22.5$ in.

Calculate location of C.G. along z axis - Zo

$z_0 := 48 \cdot in$

$M_x := -290 \cdot lbf \cdot z_0 - 1135 \cdot lbf \cdot z_0 - 900 \cdot lbf \cdot z_0 - 3 \cdot 325 \cdot lbf \cdot z_0 - 3 \cdot 20 \cdot lbf \cdot z_0 - 1147 \cdot lbf \cdot z_0$

$M_x = -2.16 \cdot 10^5 \cdot lbf \cdot in$

$Z_o := \dfrac{M_x}{W} \qquad Z_o = 48.00 \cdot in$

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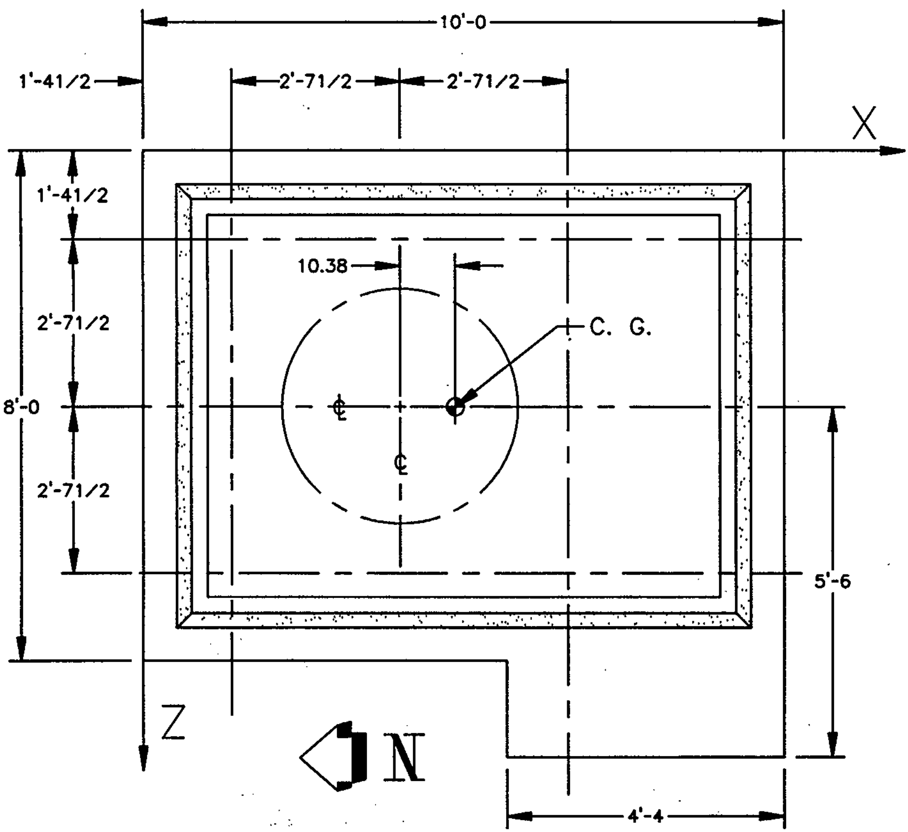
DESIGN ANALYSIS

Client WHC
Subject Flexible Receiver Support - design and analysis.
Location 241-AY-02B - Sluicing Pit

WO/Job No. CR 1257
Date 7/1/94 By M. B. Lasota
Checked 9/30/94 By M.R. Custer
Revised N/A By N/A



SLUICING PIT 241-AY-02B, TANK 241-AY-102

SCALE 1:24

KAISER ENGINEERS
HANFORD

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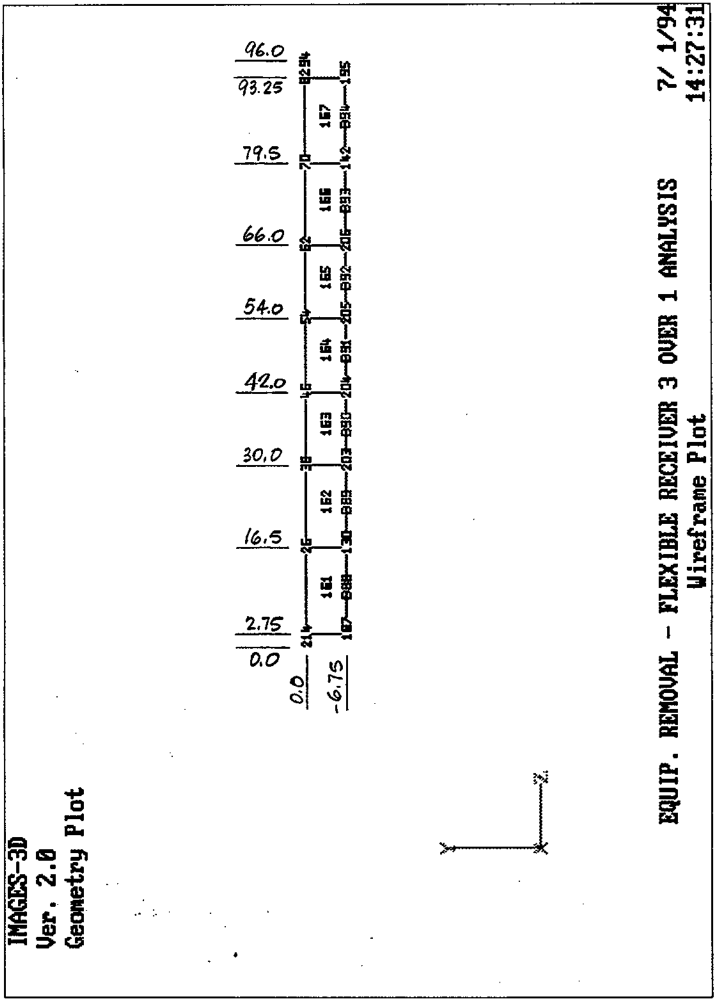
DESIGN ANALYSIS

Client WHC	WO/Job No. CR 1257	
Subject Flexible Receiver Support - design and analysis.	Date 7/1/94	By M. B. Lasota
	Checked 9/30/94	By MR. Custer MRC
Location 241-AY-02B - Sluicing Pit	Revised N/A	By N/A



Math Model - Node location and Element connectivity at x=2.75

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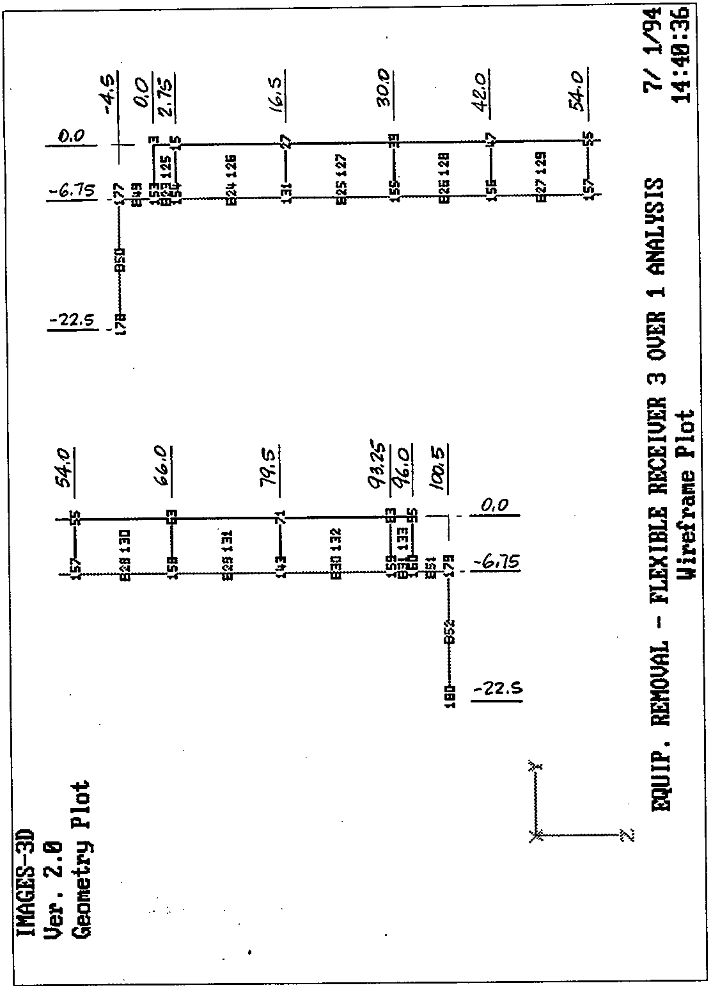
DESIGN ANALYSIS

Client WHC	WO/Job No. CR 1257	
Subject Flexible Receiver Support - design and analysis.	Date 7/1/94	By M. B. Lasota MBL
	Checked 9/30/94	By M.R. Custer MRC
Location 241-AY-02B - Sluicing Pit	Revised N/A	By N/A



Math Model - Node location and Element connectivity at x=16.5

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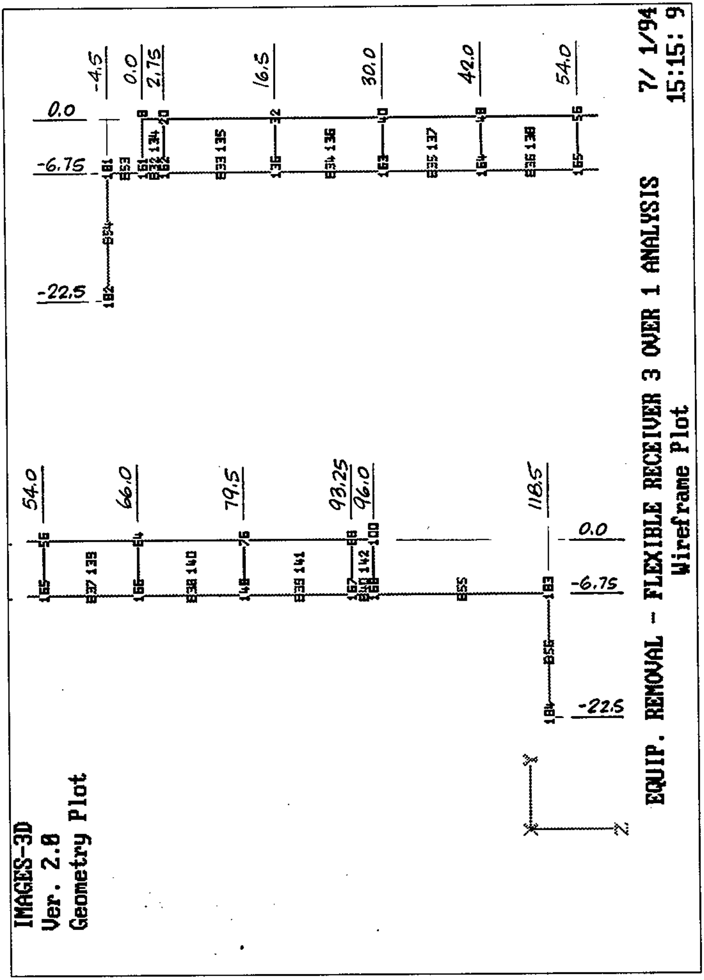
DESIGN ANALYSIS

Client WHC
Subject Flexible Receiver Support - design and analysis.
Location 241-AY-02B - Sluicing Pit

WO/Job No. CR 1257
Date 7/1/94
Checked 9/30/94
Revised N/A

By M. B. Lasota
By M.R. CUSTER
By N/A



Math Model - Node location and Element connectivity at x=79.5

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DESIGN ANALYSIS

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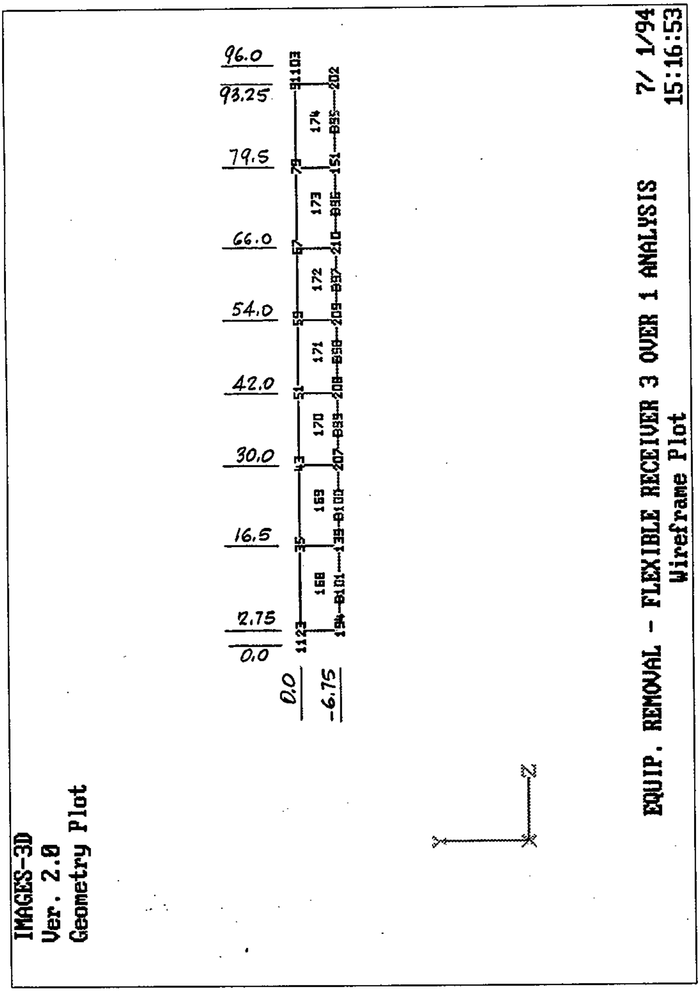
Subject Flexible Receiver Support - design and analysis.	Date 7/1/94	By M. B. Lasota *MBL*
	Checked 9/30/94	By M.R. Custer *MRC*
Location 241-AY-02B - Sluicing Pit	Revised N/A	By N/A



Math Model - Node location and Element connectivity at x=117.25

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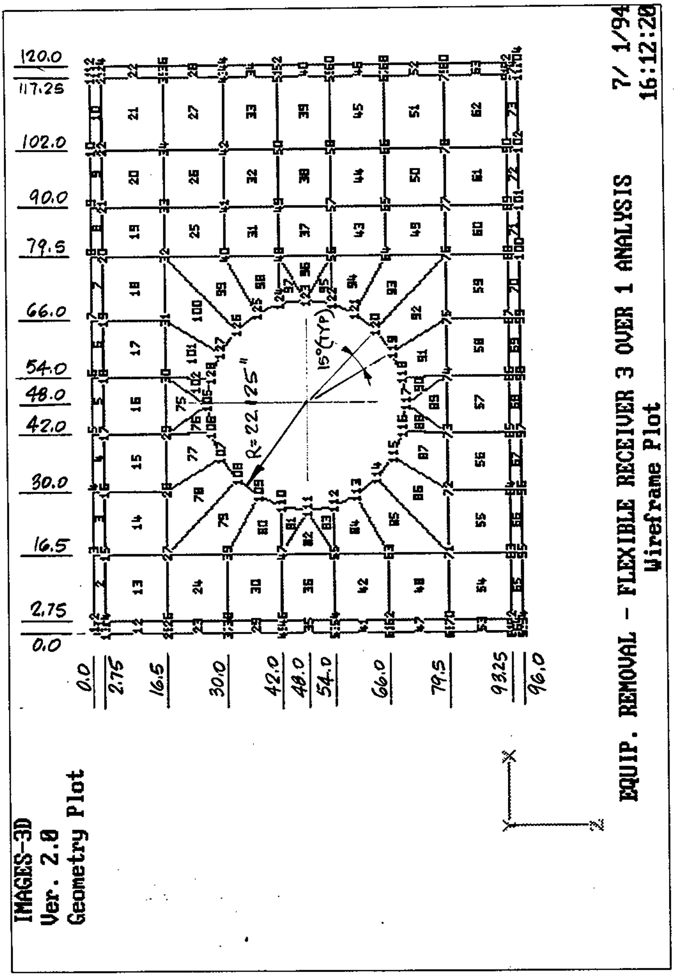
WO/Job No. CR 1257
Date 7/1/94 By M. B. Lasota *[initials]*
Checked 9/30/94 By M.R. Custer MRC
Revised N/A By N/A



Math Model - Node location and Element connectivity at y=0.0.

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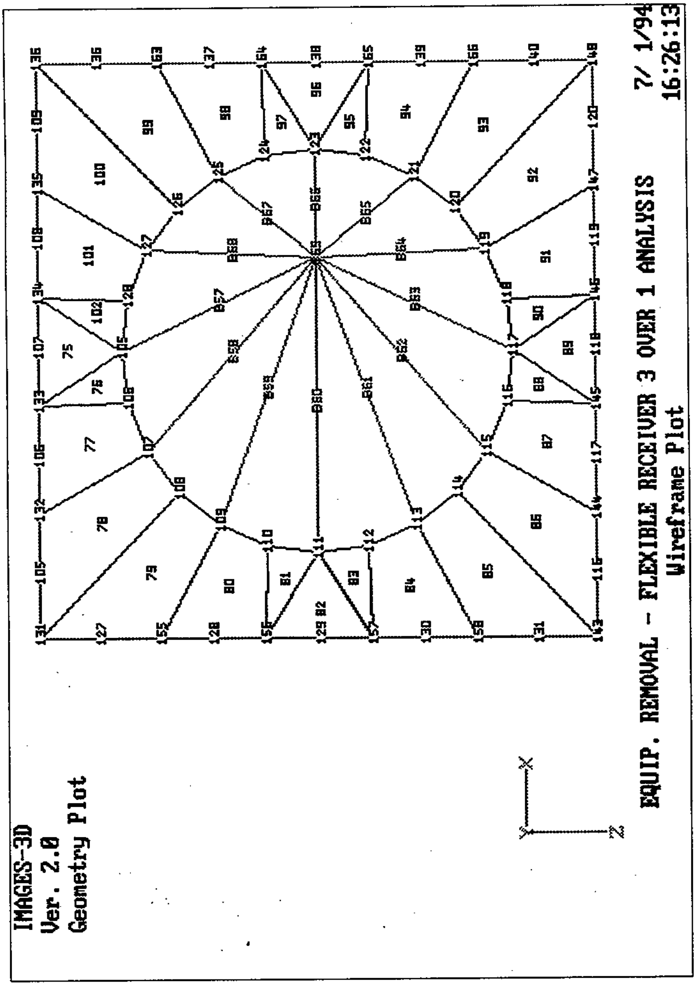

Math Model - Node location and Element connectivity at $16.5 < x < 79.5$ and $16.5 < z < 79.5$

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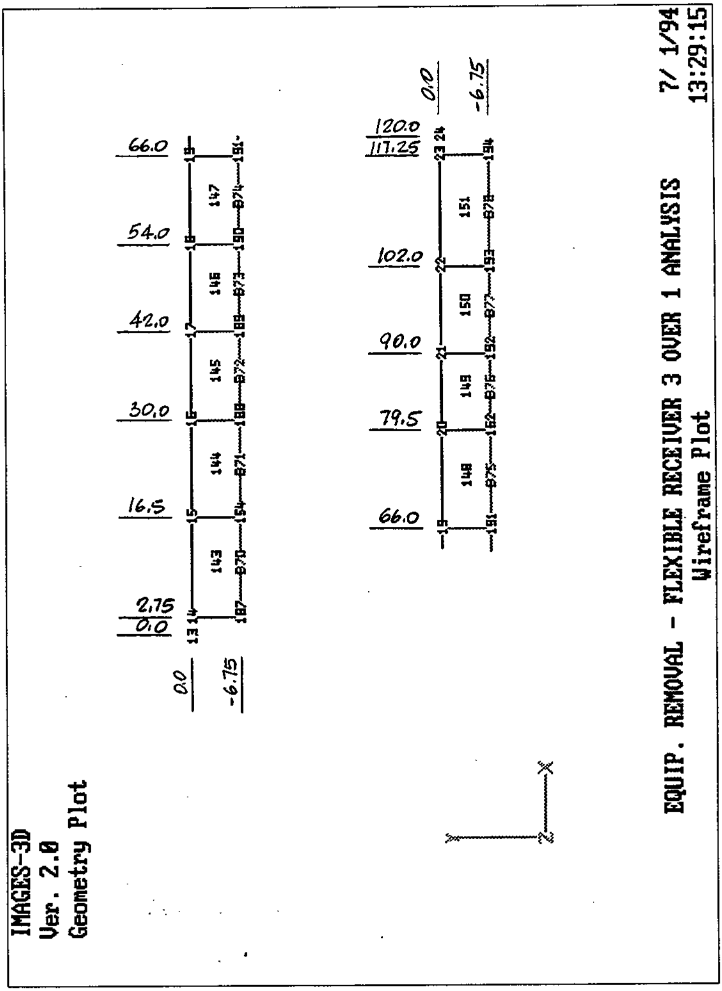
Revised N/A By N/A



Math Model - Node location and Element connectivity at z=2.75

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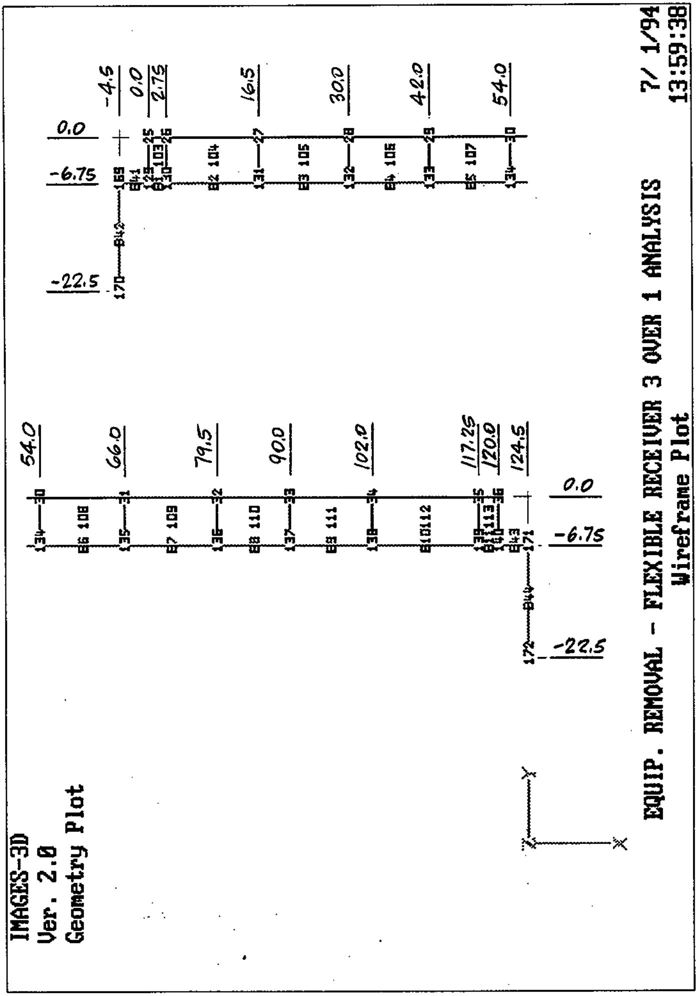
	Checked 9/30/94	By M.R. Custer *MRC*
Location 241-AY-02B - Sluicing Pit	Revised N/A	By N/A



Math Model - Node location and Element connectivity at z=16.5

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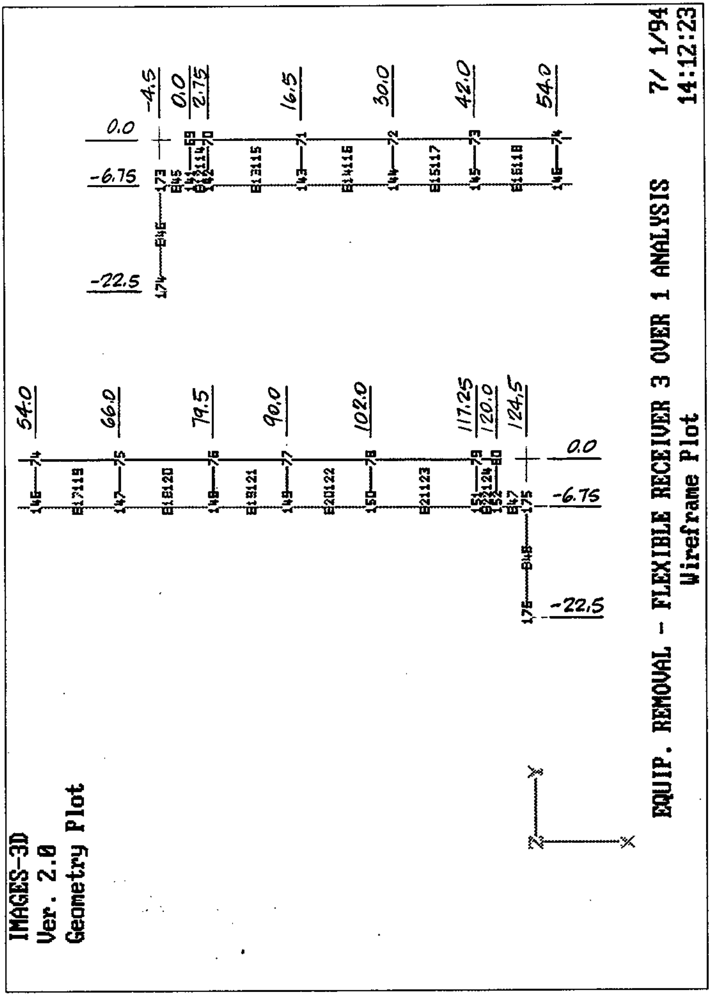

Math Model - Node location and Element connectivity at z=79.5

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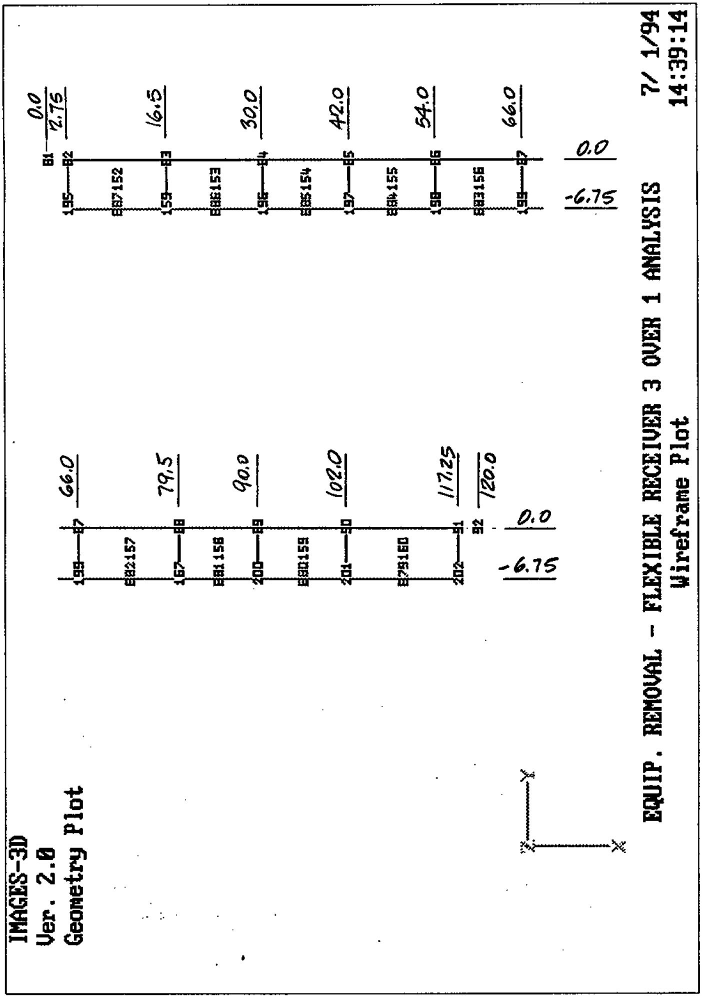


Math Model - Node location and Element connectivity at z=93.25

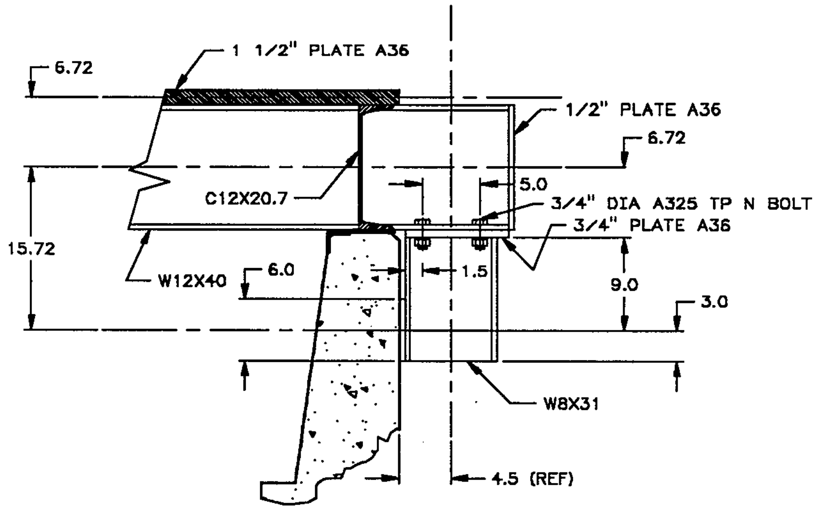
DESIGN ANALYSIS

Client: WHC
Subject: Flexible Receiver Support - design and analysis.
Location: 241-AY-02B - Sluicing Pit

WO/Job No.: CR 1257
Date: 7/1/94 By: Michael B. Lasota
Checked 9/30/94 By M.R. CUSTER

Revised By

Design of the connection between vertical W8X31 and horizontal W12X40.



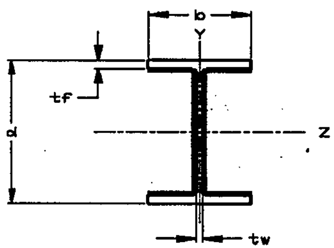
Joint detail

a. **Check weld between W8x31 and 3/4 inch connecting plate.**
From computer output the maximum shear in the vertical member V_y = 4.87 Kips.
(Minor axis bending resulting from self weight amplification is negligible).
Forces to be resisted by the weld are as follow:

$a := 9 \cdot in \qquad V_y := 4.87 \cdot kip \qquad\qquad kip = 1000 \cdot lbf$

$M_z := V_y \cdot a \qquad M_z = 43.83 \cdot kip \cdot in$

Properties of the weld are as follow:



$b := 8.00 \cdot in \qquad d := 8.00 \cdot in \qquad t_f := 0.435 \cdot in$

$t_w := 0.285 \cdot in$

$$I_z := 2 \cdot (b - t_w) \cdot \left(\frac{d - 2 \cdot t_f}{2}\right)^2 + 2 \cdot \left[\frac{(d - 2 \cdot t_f)^3}{12}\right]$$

$I_z = 256.51 \cdot in^3$

$$S_z := 2 \cdot \left[\frac{I_z}{(d - 2 \cdot t_f)}\right] \qquad S_z = 71.95 \cdot in^2$$

$A_w := 2 \cdot (d - 2 \cdot t_f) \qquad A_w = 14.26 \cdot in$

The stress in the weld is (note that only web weld is considered to resist shear):

$$f_w := \left[\left(\frac{M_z}{S_z}\right)^2 + \left(\frac{V_y}{A_w}\right)^2\right]^{0.5} \qquad f_w = 0.7 \cdot \frac{kip}{in} \qquad ksi := \frac{kip}{in^2}$$

The allowable stress in 1/4 in fillet weld using electrode E70XX is:

Weld metal control:

$$F_u := 70 \cdot ksi \qquad t_w := 0.25 \cdot in \qquad F_w := \frac{0.3 \cdot F_u \cdot t_w}{\sqrt{2}} \qquad F_w = 3.71 \cdot \frac{kip}{in} \qquad F_w \ge f_w$$

Base metal control:

$$F_y := 36 \cdot ksi \qquad F_w := 0.4 \cdot F_y \cdot t_w \qquad F_w = 3.6 \cdot \frac{kip}{in} \qquad F_w \ge f_w$$

The weld size is adequate.

b. Check bolted connection.

The forces in the connection are:

$$a := 9.75 \cdot in \qquad V_y := 4.87 \cdot kip \qquad M_z := V_y \cdot a \qquad M_z = 47.48 \cdot kip \cdot in$$

Tension in the bolt is:

$$t_{pl} := 0.75 \cdot in \qquad l_{eff} := d - 1.5 \cdot in + t_{pl} \qquad l_{eff} = 7.25 \cdot in$$

$$T_b := \frac{M_z}{2 \cdot l_{eff}} \qquad T_b = 3.27 \cdot kip \qquad V_b := \frac{V_y}{4} \qquad V_b = 1.22 \cdot kip$$

Try 3/4 in dia ASTM A 325 Type N bolts. Nominal bolt area is:

$$A_b := 0.4418 \cdot in^2 \qquad f_t := \frac{T_b}{A_b} \qquad f_t = 7.41 \cdot ksi \qquad f_v := \frac{V_b}{A_b} \qquad f_v = 2.76 \cdot ksi$$

Check for interaction:

$$F_t := \left[(44 \cdot ksi)^2 - 4.39 \cdot f_v^{\,2}\right]^{.5} \qquad F_t = 43.62 \cdot ksi \qquad F_t \ge f_t \quad \text{ok}$$

Stress in the 3/4 in dia bolt is adequate.

Check bearing stress in the bolt hole - flange of W12x40 controls t_f=0.515 in.

$$d_b := 0.75 \cdot in \qquad t_f := 0.515 \cdot in \qquad f_p := \frac{V_b}{t_f d_b} \qquad f_p = 3.15 \cdot ksi \qquad F_u := 58 \cdot ksi$$

$$f_p \le 1.2 \cdot F_u \quad \text{ok}$$

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DESIGN ANALYSIS

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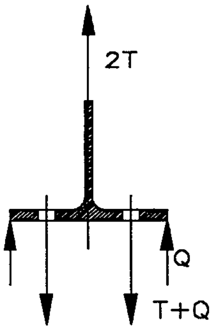
Date: 7/1/94 By: Michael B. Lasota MBL
Checked 9/30/94 By M.R. Custer MRC

Revised By

Check transverse bending stress in the lower flange of the W 12x40 resulting from the tension in the bolt.

From AISC Specification 9th edition page 4-89: $M_1=M_2$



$b := 1.75\cdot in - 0.75\cdot in - 0.375\cdot in \quad M_1 := T_b\cdot\frac{b}{2\cdot in} \quad M_1 = 1.02\cdot kip$

Stress in the flange is:

$f_b := 6\cdot\frac{M_1}{t_f^2} \qquad f_b = 23.15\cdot ksi$

$F_b := 0.75\cdot 36\cdot ksi \qquad F_b = 27\cdot ksi \qquad F_b > f_b$

Stress in flange is acceptable.

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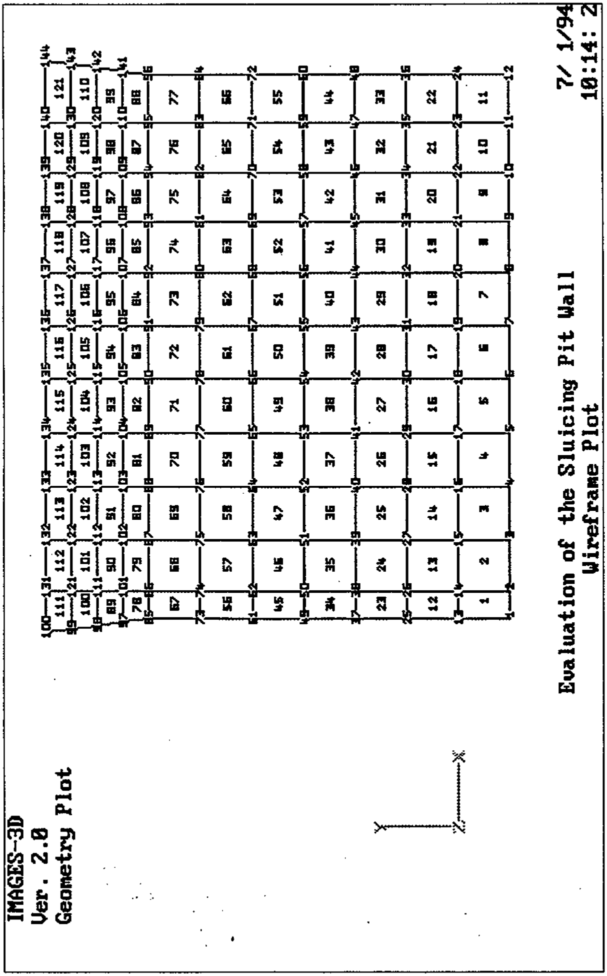
By N/A



Math Model - Node location and Element connectivity at Z=0.0

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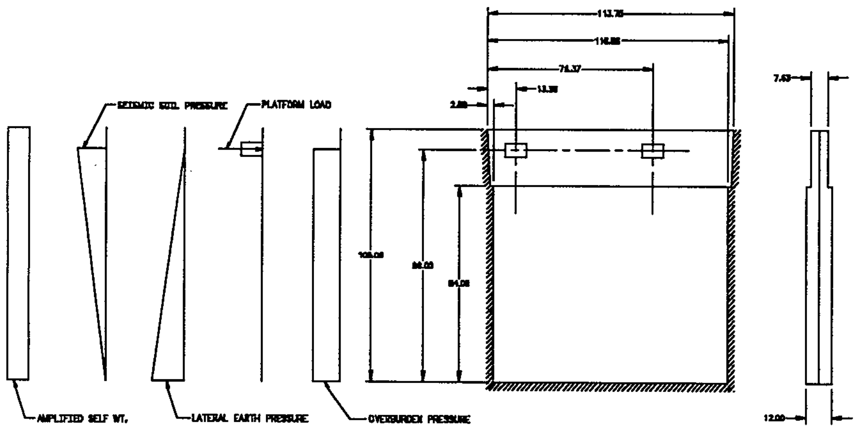
Sluicing Pit East Wall Analysis.



LODING CONDITIONS FOR THE EAST WALL OF SLUICING PIT

Load Source 1. - Amplified Self Weight.
For calculations use lateral acceleration equal to 0.2g - ref SDC 4.1 Rev 12.

Load Source 2. - Seismic Soil Pressure. Reference: "Seismic Analysis of Safety Related Nuclear Structures" ASCE 4 - 86 page 38.

$\alpha_H := 0.2$

$C_v := 0.87$

$H := 8.25 \cdot ft$

$\gamma := 110 \cdot \frac{lbf}{ft^3}$ $\quad F_r := \alpha_H C_v \cdot \gamma \cdot H^2$ $\quad F_r = 1302.72 \cdot \frac{lbf}{ft}$

$F_r = \frac{p_e \cdot H}{2}$ $\quad p_e := \frac{2 \cdot F_r}{H}$ $\quad p_e = 2.19 \cdot psi$

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Load Source 3. - Lateral Earth Pressure. Reference "Foundation Engineering Handbook" Second edition Yang Fang - 12.1 page 452

$K_a := 0.22$

$p_l := K_a \cdot \gamma \cdot H \qquad p_l = 1.39 \cdot psi$

Load Source 4. - Platform Load. Reference Attachment 3. page 46.

$P_1 := 3.69 \cdot kip \qquad p_1 := \dfrac{P_1}{6 \cdot in \cdot 10 \cdot in} \qquad p_1 = 61.5 \cdot psi$

$P_2 := 3.36 \cdot kip \qquad p_2 := \dfrac{P_2}{6 \cdot in \cdot 10 \cdot in} \qquad p_2 = 56 \cdot psi$

Load Source 5. - Overburden Pressure (surcharge). Reference UBC tab 29-B

$p_c := 200 \cdot \dfrac{lbf}{ft^2} \qquad p_c = 1.39 \cdot psi$

Load Combination: U = 0.75 x (1.7H + 1.87E) or
U = 1.28H + 1.40E **Ref. US NRC NUREG-800, 3.7.2 Seismic System Analysis**

Analysis of the Critical Pit Wall.

In order to utilize linear elastic analysis for the material such as reinforced concrete, there is a need to find the property of the cracked section of the plate. Using plates flexural rigidity, which includes modulus of elasticity, and retaining the plate thickness the final adjustment will be made to the concrete modulus of elasticity.

$f_c := 3000 \cdot psi \qquad \nu := 0.15 \qquad E_s := 29000 \cdot ksi \qquad E_c := 57000 \cdot f_c^{0.5} \cdot psi^{.5} \qquad E_c = 3122.02 \cdot ksi$

$n := \dfrac{E_s}{E_c} \quad n = 9.29 \qquad A_{s4} := 0.2 \cdot in^2 \qquad A_{s5} := 0.31 \cdot in^2 \qquad A_{sav} := \dfrac{A_{s4} + A_{s5}}{2} \qquad A_{sav} = 0.26 \cdot in^2$

Transformed steel area is:

Top $\quad A_{tt} := (n - 1) \cdot A_{sav}$

Bottom $\quad A_{bt} := n \cdot A_{sav} \qquad A_{tt} = 2.11 \cdot in^2 \qquad A_{bt} = 2.37 \cdot in^2$

Property of upper, tapered portion of the wall (average).

$h := 7.63 \cdot in \quad d_1 := 1.5 \cdot in + 0.5 \cdot \dfrac{5}{8} \cdot in \quad d_1 = 1.81 \cdot in \quad d_2 := h - d_1 \quad d_2 = 5.82 \cdot in \quad b := 12 \cdot in$

Static moment about Neutral Axis equals to zero. The expression in terms of c is as follows:

Concrete compression zone:

$A_{cz}=b\cdot c \qquad y_{cz}=\frac{c}{2} \qquad Q_{cz}=A_{cz}\cdot y_{cz}$

by substitution, yields

$Q_{cz}=\frac{1}{2}\cdot b\cdot c^2$

Top steel:

$A_{ts}:=A_{tt} \qquad y_{ts}=c-d_1 \qquad Q_{ts}=A_{ts}\cdot y_{ts}$

by substitution, yields

$Q_{ts}=A_{tt}\cdot\left(c-d_1\right)$

Bottom steel:

$A_{bs}:=A_{bt} \qquad y_{bs}=c-d_2 \qquad Q_{bs}=A_{bs}\cdot y_{bs}$

by substitution, yields

$Q_{bs}=A_{bt}\cdot\left(c-d_2\right)$

$Q=Q_{cz}+Q_{ts}+Q_{bs} \qquad Q=\frac{1}{2}\cdot b\cdot c^2+A_{ts}\cdot y_{ts}+A_{bs}\cdot y_{bs}$

$A_{tt}:=2.11\cdot in^2 \qquad A_{bt}:=2.37\cdot in^2 \qquad b:=12\cdot in \qquad d_1:=1.81\cdot in \qquad d_2:=5.82\cdot in \qquad Q:=0$

by substitution, yields

$Q=6\cdot c^2+4.48\cdot c-17.6125$

$0=6\cdot c^2+4.48\cdot c-17.6125$

$\begin{pmatrix}-2.1268425133618966641\\1.3801758466952299744\end{pmatrix}=\begin{pmatrix}-2.127\\1.380\end{pmatrix} \qquad c:=1.380\cdot in$

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DESIGN ANALYSIS

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Checked By
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Moment of inertia is:

$A_{cz} := b \cdot c$ $\quad A_{cz} = 16.56 \cdot in^2$ $\quad y_{cz} := \frac{c}{2}$ $\quad y_{cz} = 0.69 \cdot in$ $\quad I_{cz} := \frac{b \cdot c^3}{12} + A_{cz} \cdot y_{cz}^2$ $\quad I_{cz} = 10.51 \cdot in^4$

$A_{ts} := A_{tt}$ $\quad A_{ts} = 2.11 \cdot in^2$ $\quad y_{ts} := d_1 - \frac{c}{2}$ $\quad y_{ts} = 1.12 \cdot in$ $\quad I_{ts} := A_{ts} \cdot y_{ts}^2$ $\quad I_{ts} = 2.65 \cdot in^4$

$A_{bs} := A_{bt}$ $\quad A_{bs} = 2.37 \cdot in^2$ $\quad y_{bs} := d_2 - \frac{c}{2}$ $\quad y_{bs} = 5.13 \cdot in$ $\quad I_{bs} := A_{bs} \cdot y_{bs}^2$ $\quad I_{bs} = 62.37 \cdot in^4$

Cracked moment of inertia is:

$I_{cr} := I_{cz} + I_{ts} + I_{bs}$ $\quad I_{cr} = 75.53 \cdot in^4$ $\quad I_{con} := \frac{b \cdot h^3}{12}$ $\quad I_{con} = 444.19 \cdot in^4$

Equivalent modulus of elasticity for use in analysis is:

$E_{eq} := E_c \cdot \frac{I_{cr}}{I_{con}}$ $\quad E_{eq} = 530.86 \cdot ksi$

Property of lower portion of the wall is:

$h := 12 \cdot in$ $\quad d_1 := 1.5 \cdot in + 0.5 \cdot \frac{5}{8} \cdot in$ $\quad d_1 = 1.81 \cdot in$ $\quad d_2 := h - d_1$ $\quad d_2 = 10.19 \cdot in$ $\quad b := 12 \cdot in$

Static moment about Neutral Axis equals to zero. The expression in terms of c is as follows:

Concrete compression zone:

$A_{cz} = b \cdot c$ $\quad y_{cz} = \frac{c}{2}$ $\quad Q_{cz} = A_{cz} \cdot y_{cz}$

Top steel:

$A_{ts} := A_{tt}$ $\quad y_{ts} = c - d_1$ $\quad Q_{ts} = A_{ts} \cdot y_{ts}$

Bottom steel:

$A_{bs} := A_{bt}$ $\quad y_{bs} = c - d_2$ $\quad Q_{bs} = A_{bs} \cdot y_{bs}$

$Q = Q_{cz} + Q_{ts} + Q_{bs}$

by substitution, yields

$Q = \frac{1}{2} \cdot b \cdot c^2 + A_{tt} \cdot (c - d_1) + A_{bt} \cdot (c - d_2)$

$A_{tt} := 2.11 \cdot in^2$ $\quad A_{bt} := 2.37 \cdot in^2$ $\quad b := 12 \cdot in$ $\quad d_1 := 1.81 \cdot in$ $\quad d_2 := 10.19 \cdot in$ $\quad Q := 0$

by substitution, yields $\quad Q = 6 \cdot c^2 + 4.48 \cdot c - 27.9694$

by substitution, yields $\quad 0 = 6 \cdot c^2 + 4.48 \cdot c - 27.9694$

$$\begin{pmatrix} -2.5644390917221073288 \\ 1.8177724250554406622 \end{pmatrix} = \begin{pmatrix} -2.564 \\ 1.818 \end{pmatrix} \qquad c := 1.818 \cdot in$$

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Revised By

Moment of inertia is:

$A_{cz} := b \cdot c \quad A_{cz} = 21.82 \cdot in^2 \quad y_{cz} := \frac{c}{2} \quad y_{cz} = 0.91 \cdot in \quad I_{cz} := \frac{b \cdot c^3}{12} + A_{cz} \cdot y_{cz}^2 \quad I_{cz} = 24.03 \cdot in^4$

$A_{ts} := A_{tt} \quad A_{ts} = 2.11 \cdot in^2 \quad y_{ts} := d_1 - \frac{c}{2} \quad y_{ts} = 0.9 \cdot in \quad I_{ts} := A_{ts} \cdot y_{ts}^2 \quad I_{ts} = 1.71 \cdot in^4$

$A_{bs} := A_{bt} \quad A_{bs} = 2.37 \cdot in^2 \quad y_{bs} := d_2 - \frac{c}{2} \quad y_{bs} = 9.28 \cdot in \quad I_{bs} := A_{bs} \cdot y_{bs}^2 \quad I_{bs} = 204.14 \cdot in^4$

Cracked moment of inertia is:

$I_{cr} := I_{cz} + I_{ts} + I_{bs} \quad I_{cr} = 229.89 \cdot in^4 \quad I_{con} := \frac{b \cdot h^3}{12} \quad I_{con} = 1728 \cdot in^4$

Equivalent modulus of elasticity for use in analysis is:

$E_{eq} := E_c \cdot \frac{I_{cr}}{I_{con}} \quad E_{eq} = 415.35 \cdot ksi$

Evaluation of the stress in the tapered wall, h=7.63in.

$\sigma_x := 302.3 \cdot psi \quad \sigma_y := 57.7 \cdot psi \quad \sigma_{xy} := 69.5 \cdot psi$

Find bending moments resulting in above stress level for 1' wide strip of wall.

$b := 12 \cdot in \quad h := 7.63 \cdot in$

$S_x := \frac{b \cdot h^2}{6} \quad S_x = 116.43 \cdot in^3 \quad S_y := S_x \quad S_y = 116.43 \cdot in^3$

$M_x := \sigma_x \cdot S_x \quad M_x = 35.2 \cdot kip \cdot in \quad M_y := \sigma_y \cdot S_y \quad M_y = 6.72 \cdot kip \cdot in \quad V := \sigma_{xy} \cdot b \cdot h \quad V = 6.36 \cdot kip$

Check the horizontal reinforcement.

$M_u := M_x \quad M_u = 2.93 \cdot ft \cdot kip \quad f_c := 3000 \cdot psi \quad f_y := 40000 \cdot psi$

$d := h - 1.81 \cdot in \quad d = 5.82 \cdot in \quad F := \frac{b \cdot d^2}{12000} \cdot \frac{1}{in^3} \quad F = 0.034 \quad K_n := \frac{M_u}{F} \cdot \frac{1}{kip \cdot ft} \quad K_n = 86.59$

$\rho := 0.0023 + 0.0007 \cdot \frac{6}{25} \quad \rho = 0.0025 \quad \rho_{min} := 0.002$ ref ACI 7.12.2.1 $\rho > \rho_{min}$ ok

$A_s := \rho \cdot b \cdot d \quad A_s = 0.17 \cdot in^2 \quad A_s \le 0.31 \cdot in^2$ ok

$\rho_1 := \frac{0.31 \cdot in^2}{b \cdot d} \quad \rho := \frac{0.31 \cdot in^2}{b \cdot d} \quad \frac{\rho_1}{\rho} = 1 \quad \frac{d_1}{d} = 0.31 \quad \gamma := 1.0$

$A_s := \frac{A_s}{\gamma} \quad A_s = 0.17 \cdot in^2$ ok

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Check the vertical reinforcement.

$M_u := M_y \quad M_u = 0.56 \cdot ft \cdot kip \quad f_c := 3000 \cdot psi \quad f_y := 40000 \cdot psi$

$d := h - 1.81 \cdot in \quad d = 5.82 \cdot in \quad F := \frac{b \cdot d^2}{12000} \cdot \frac{1}{in^3} \quad F = 0.034 \quad K_n := \frac{M_u}{F} \cdot \frac{1}{kip \cdot ft} \quad K_n := 16.53 \quad \phi := 0.9$

$$K_n = \phi \cdot f_c \cdot \rho \cdot \frac{f_y}{f_c} \cdot \left(1 - 0.59 \cdot \rho \cdot \frac{f_y}{f_c}\right)$$

$$K_n = .9 \cdot \rho \cdot f_y \cdot \left(1 - .59 \cdot \rho \cdot \frac{f_y}{f_c}\right)$$

$$K_n = 36000.0 \cdot \rho \cdot \left(1 - 23600.0 \cdot \frac{\rho}{f_c}\right)$$

$$16.53 = 36000.0 \cdot \rho \cdot (1 - 7.867 \cdot \rho)$$

$$\begin{bmatrix} .12665242052268895788 \\ 460837390111347193 \cdot 10^{(-21)} \end{bmatrix} = \begin{pmatrix} 0.12665 \\ 0.00046 \end{pmatrix} \qquad \rho := 0.00046$$

$\rho_{min} := 0.002 \quad \rho := \rho_{min}$ ref ACI 7.12.2.1

$A_s := \rho \cdot b \cdot d \quad A_s = 0.14 \cdot in^2 \quad A_s \le 0.20 \cdot in^2$ ok

$\rho_1 := \frac{0.2 \cdot in^2}{b \cdot d} \quad \rho_1 = 0.00286 \quad \rho := \frac{0.2 \cdot in^2}{b \cdot d} \quad \frac{\rho_1}{\rho} = 1 \quad \frac{d_1}{d} = 0.31 \quad \gamma := 1.0$

$A_s := \frac{A_s}{\gamma} \quad A_s = 0.14 \cdot in^2$ ok

Check wall for shear.

$V_c := 2 \cdot \sqrt{f_c} \cdot b \cdot d \cdot \sqrt{psi} \quad V_c = 7.65 \cdot kip \quad V_c \ge V$ ok

Conclusion: The walls of the Sluicing Pit are capable to carry all additional load from Equipment Removal System when subjected to the postulated earthquake.

Evaluation of the Platform at Cold Test Facility Pit.

Due to the lowest mass of the ERS equipment at Sluicing Pit it is expected that reactions due from the UBC seismic event will remain the lowest, as compared to the reactions from Heel Pit and Pump Pit platforms. Since the connections for the frame extensions and for the restraints are similar to the ones from the Pump Pit - ref calc W320-24-003 - one can conclude that Cold Test Facility installation of the Sluicing Pit platform will have higher safety factor than the Pump Pit platform. Based on above dicsussion Sluicing Pit installation at CTF is satisfactory.

KAISER ENGINEERS
HANFORD

DESIGN ANALYSIS

Calc. No. W370-24-002
Revision 0
Page No. 26a of 27

Client	WHC	WO/Job No.	CR 1257		
Subject	FLEXIBLE RECEIVER SUPPORT	Date	9/30/94	By	M.R. CUSTER MRC
		Checked		By	
Location	241-AY-02B-SLUICING PIT	Revised		By	

ALTERNATE CALCULATION TO CALCULATION PAGES 20 THROUGH 26 INCLUSIVE.

CONSISTENT WITH THE REQUIREMENTS OF LOI KGS-94-013, DATED 5/2/94, THE FOLLOWING EVALUATION IS PERFORMED IN LIEU OF A DETAIL REVIEW OF THE CALCULATION, PAGES 20 THROUGH 26. THIS CHECK IS CONSIDERED ADEQUATE, BASED ON THE CHANGE IN THE DESIGN CRITERIA FROM SAFETY CLASS 3 OVER 1 TO SAFETY CLASS 3. THE CHANGE RESULTED IN A SIGNIFICANT REDUCTION IN THE APPLIED LOADS.

THIS EVALUATION IS PERFORMED TO CHECK THE ADEQUACY OF THE REINFORCED CONCRETE WALLS OF THE SLUICING PIT.

WALL CAPACITY: AN APPROXIMATION OF THE LOAD CAPACITY OF THE PIT WALLS IS PERFORMED USING THE MAXIMUM 10 FOOT SPAN AND THE FOLLOWING:

- d_{eff} = 5.25" (AVERAGE)
- WALL REIN. (HORIZ.), #5@12" ($A_s = 0.31 in^2$)
- TRIBUTARY HORIZONTAL WALL STRIP CONSIDERED IS 24". STRIP LOCATED 24", STARTING FROM THE TOP, DOWN THE WALL.

DETERMINE APPROX. WALL CAPACITY:

$$\rho = \frac{A_s}{bd} = \frac{0.93 in^2}{24(5.25)} = 0.0074$$

$\rho_{max} = 0.0371 > 0.0074$ . . . . OK

$\rho_{min} = 200/f_y = 200/40{,}000 = 0.005 < 0.0074$ . . OK

$$a = \frac{A_s f_y}{.85 f'_c\, b} = \frac{0.93(40)}{.85(3)(24)} = 0.61$$

$$M_u = \phi A_s f_y (d - a/2) = 0.90(0.93)(40{,}000)(5.25 - .61/2)$$

$M_u = 165{,}559$ in-lb $= \underline{13.8^{k\text{-}'}}$

54-4300-037 KEH-0037.00 (06/92)

KAISER ENGINEERS
HANFORD

DESIGN ANALYSIS

Calc. No. W320-24-002
Revision 0

Client WHC
WO/Job No. CR 1257
Subject FLEXIBLE RECEIVER SUPPORT — DESIGN AND ANALYSIS
Date 9/30/94 By M.R CUSTER MRC
Checked By
Location 241-AY-02B - SLUICING PIT
Revised 10-14-94 By R.W. Davidson

DESIGN LOADS:

- AMPLIFIED SELF WEIGHT, F_p

WEIGHT OF RECEIVER = 4,500 lb = 4.5 k
WEIGHT OF PLATE/SHLD = 12,100 lb = 12.1 k

$W_p = 16.6^k$

Supported @ Grade, Fp = (.12*1.25*2/3*.75)Wp and not less than (.5*1.25*.2)Wp

~~$F_p = .12(1.25)(.75)(2)\ W_p = 0.23\ W_p$~~

~~$F_p = 0.23(16.6^k) = 3.8^k$~~

Fp = .125*(16.6) = 2.075 k

RWD 10/14/94

LOAD APPLIED CONSERVATIVELY AT THE CENTER OF THE SPAN OF THE WALL, 12" BELOW THE TOP

~~$M_{MAX} = \frac{P\ell}{8} = \frac{3.8^k(10.0\,ft)}{8} = 4.8^{k\text{-}FT}$~~

Mmax = 2.075 * 10/ 8 = 2.59 k-ft

RWD 10/14/94

SURCHARGE LOADING, 200 lb/ft² OR 400 lb/lin FT.

$M_{MAX} = \frac{400\,lb/FT\,(10.0)^2}{24} = 1.7^{k\text{-}FT}$

- PLATFORM LOADS, (MAXIMUM = $3.5^k + 3.8^k = 7.3^k$) CONSERVATIVELY APPLIED AT THE CENTER OF THE WALL SPAN.

$M_1 = P_1 a^2 b / \ell^2$, 3.8^k LOAD LOAD 16" SOUTH OF SOUTHWEST CORNER OF PIT

$M_1 = 3.8(6.62')^2(3.38')/(10')^2 = 5.62^{k\text{-}FT}$

~~$TOTAL\ M_{MAX} = 4.8 + 1.7 + 5.6 = 12.1^{k\text{-}FT}$~~ $< 13.8^{k\text{-}1}$

Mumax = 1.43(2.59 + 5.62) = 11.74 k-ft (Controls) ∴ OK
or Mumax = 1.7(1.7) = 2.89 k-ft

RWD 10/14/94

THIS EVALUATION CONCURS WITH THE FINAL CONCLUSION PER PAGE 27 OF THE CALCULATION.

KAISER ENGINEERS HANFORD		Calc. No. W320-24-002
		Revision 1
DESIGN ANALYSIS		Page No. 27 of 27
Client WHC	WO/Job No. ER 6160	
Subject Flexible Receiver Support - design and analysis.	Date	By M. B. Lasota
	Checked 10-14-94	By R.W. Davidson
Location 241-AY-02B - Sluicing Pit	Revised 9/30/94	By M. B. Lasota

6. EVALUATION OF THE BOLTED CONNECTION BETWEEN FLEXIBLE RECEIVER AND THE SHIELDED WORK PLATFORM.

The connection for the Flexible Receiver to the Shielded Work Platform at Sluicing Pit is identical to the one at Pump Pit. Seismic acceleration at the Pump Pit, however is higher than at the Sluicing Pit:

At the Pump Pit:

$$g_x=\pm 0.608, g_y=\pm 0.405, g_z=\pm 0.608$$

At the Sluicing Pit:

$$g_x=\pm 0.402, g_y=\pm 0.268, g_z=\pm 0.402$$

From comparison of the above seismic accelerations it is evident that the loading at Pump Pit is more critical, and therefore the evaluation of the bolted connection in the calculation W320-24-003 rev. 1 is applicable also to the Sluicing Pit.

7. CONCLUSIONS.

The analysis revealed, that the stress in all of the structural components of the Sluicing Pit Equipment Removal System is satisfactory. In addition stress imposed in the Pit wall by the seismic acceleration of the platform and related equipment is within allowable limits.

As Built changes resulting from Development Control are serious enough to warrant reanalysis (discontinuity in the plate material resulting from the cut-out for the manhole). The following is a comparison of the maximum stress and lateral reactions from original analysis - Attachment 3, and reanalysis - Attachment 6 and Attachment 7.

	Stress(psi)		Reaction(lbf)	
Attachment	Plate(node)	Beam(node)	F_x(node)	F_z(node)
3	2565(135)	2804(44)	4869(172)	3759(184)
6	2575(135)	2781(44)	4829(172)	3782(184)
7	1777(88)	2621(42)	4555(170)	4056(182)

The change in the stress/reactions is not significant, therefore the conclusion that all stresses remain within their allowable limits is valid.

KAISER ENGINEERS
HANFORD

DESIGN ANALYSIS

Calc. No. W320-24-002
Revision 0
Page No. of

Client WHC
Subject Flexible Receiver Support - design and analysis.
Location 241-AY-02B - Sluicing Pit

WO/Job No. CR 1257
Date 7/1/94 By M. B. Lasota
Checked 9/30/94 By M L Custer
Revised N/A By N/A

Attachment 1.

Flexible Receiver -Weight and Center of Gravity location.

Total 5 pages + one Cover sheet

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
J. R. Bellomy, 372-1673	W. D. Gallo	KGS-94-004

Subject: PROJECT W-320 - EQUIPMENT REMOVAL SYSTEM, FLEXIBLE RECEIVER WEIGHTS AND CENTER OF GRAVITY

INTERNAL DISTRIBUTION

Approval	Date	Name	Location	w/att
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		J. C. Conner	H4-61	
		R. W. Davison	E6-21	
		K. B. Ferlan	S4-55	
		M. A. Haq	E6-42	
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		M. W. Manderbach	E6-21	
		T. N. Shaw	S6-12	
		D. J. Shrimpton	E6-21	
		K. G. Squires	S6-12	
		KGS LB/File	S6-12	
		Project Files	R1-28	

This LOI is designated impact Level 3

54-6000-117 (9/88) WEF008

Westinghouse Hanford Company **Internal Memo**

From: Single-Shell Tank Retrieval Engineering KGS-94-004
Phone: 372-2513
Date: February 1, 1994
Subject: PROJECT W-320 - EQUIPMENT REMOVAL SYSTEM, FLEXIBLE RECEIVER WEIGHTS AND CENTER OF GRAVITY

To: W. D. Gallo E6-21

cc: See Attached Distribution
KGS File/LB S4-55

The purpose of this Letter of Instruction (LOI) is to provide Kaiser Engineers Hanford Company (KEH) with requested design information on the flexible receiver system.

To support the three over one analysis of the flexible receiver sub-system, KEH is directed to proceed with the analysis using the estimated CGs (or a more conservative CG, as deemed appropriate by KEH), which are attached.

The actual weight and estimated center of gravity (CG) for each of the components requested are included in the attached memorandum and corresponding sketches. The weights of the components were determined by physical measurement. The CGs have been estimated and are assumed to be conservative.

As a follow-on activity, KEH shall also be responsible for performance of calculations necessary to verify the assumed CGs. The calculation of the CGs is intended for verification purposes only and shall not be cause to delay completion of the three over one analysis based on the estimated values. Following the completion of the CG calculations, KEH shall reconcile estimated CG with the calculated CGs to ensure values included in the three over one analysis were conservative. This work shall be completed prior to the component being used in Tank Farms.

Should you have any questions or need an additional information please contact Mr. J. R. Bellomy of my staff at 372-1763.

KGS

K. G. Squires
Manager
Single-Shell Tank Retrieval Engineering

mrs

Attachment

W320-24-002 REV 0
ATTACHMENT 1 PAGE 3 OF 5

KGS-94-004
ATTACHMENT 1
Page 1 of 3

Westinghouse
Hanford Company

Internal
Memo

From: Component Engineering
Phone: 376-3489 H5-70
Date: January 21, 1994
Subject: 42" FLEXIBLE RECEIVER SUBASSEMBLY WEIGHTS

To: J. R. Bellomy S4-55

cc: R. E. Russell H5-70
DEL-File/LB

The following are the weights of the subassemblies on the 42" Flexible Receiver (sketch attached). Weights of the components were measured by a digital dynamometer (750-29-06-004).

42" Radiation Monitor Spool Assy	1147
42" Radiation Monitor Lead	975 *
Gamma Assay Equipment on 42" Rad. Mon.	60 *
Top Assy Baseplate and Bag Cartridge	1135
42" 70' Flexible Receiver Bag	290
Top Assy Platform (Bag closure and cutting equip)	900

All of the equipment has a center of gravity down the center line of the 50" ID opening. The Top Assy Platform center of gravity is 52" away from the center line of the 50" opening.

D. E. Legare

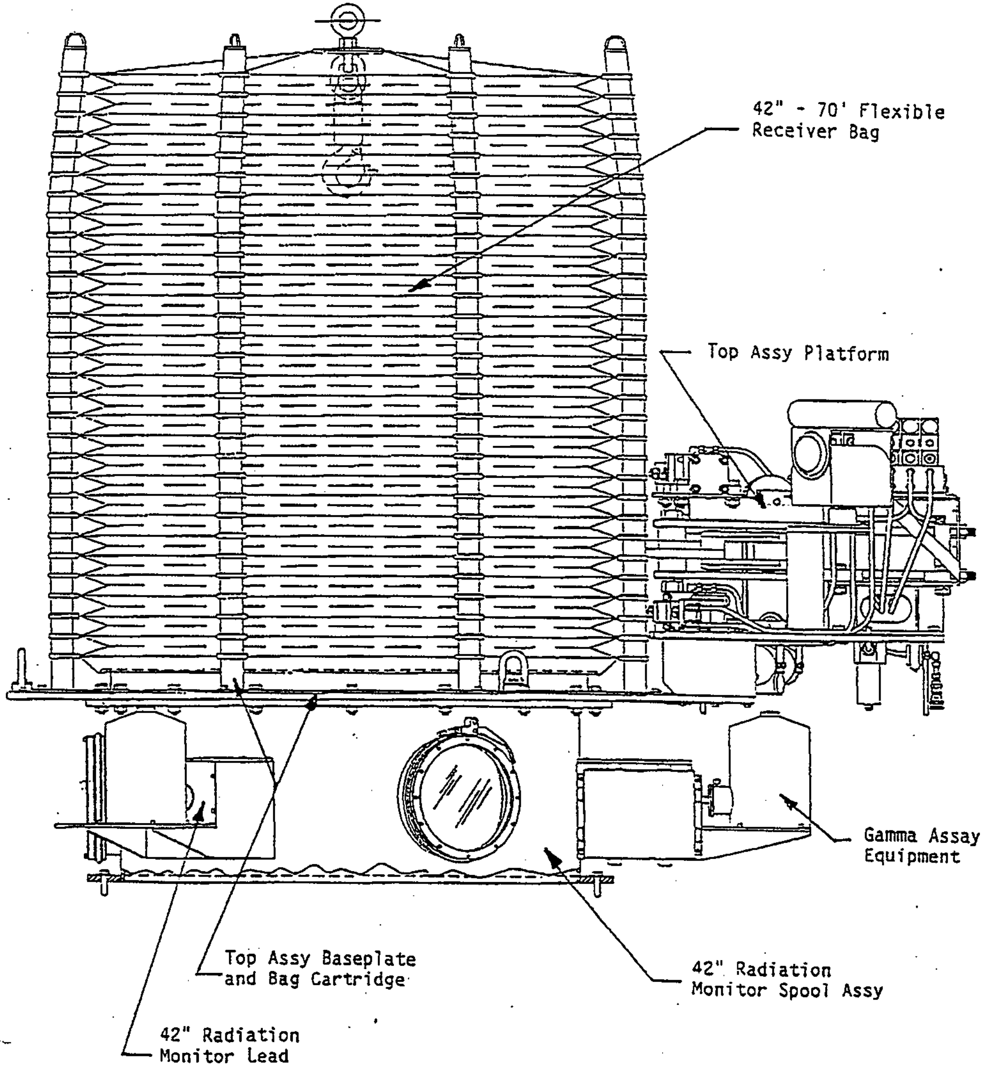
D. E. Legare
Principal Engineer

\kph

Attachment

* TOTAL WEIGHT FOR ALL THREE COMPONENTS.

42" FLEXIBLE RECEIVER



KGS-94-004
ATTACHMENT 1

KAISER ENGINEERS HANFORD
W 320-24-002 REV 0
FAX 373-5030 ATTACHMENT 1 PAGE 5 of 5

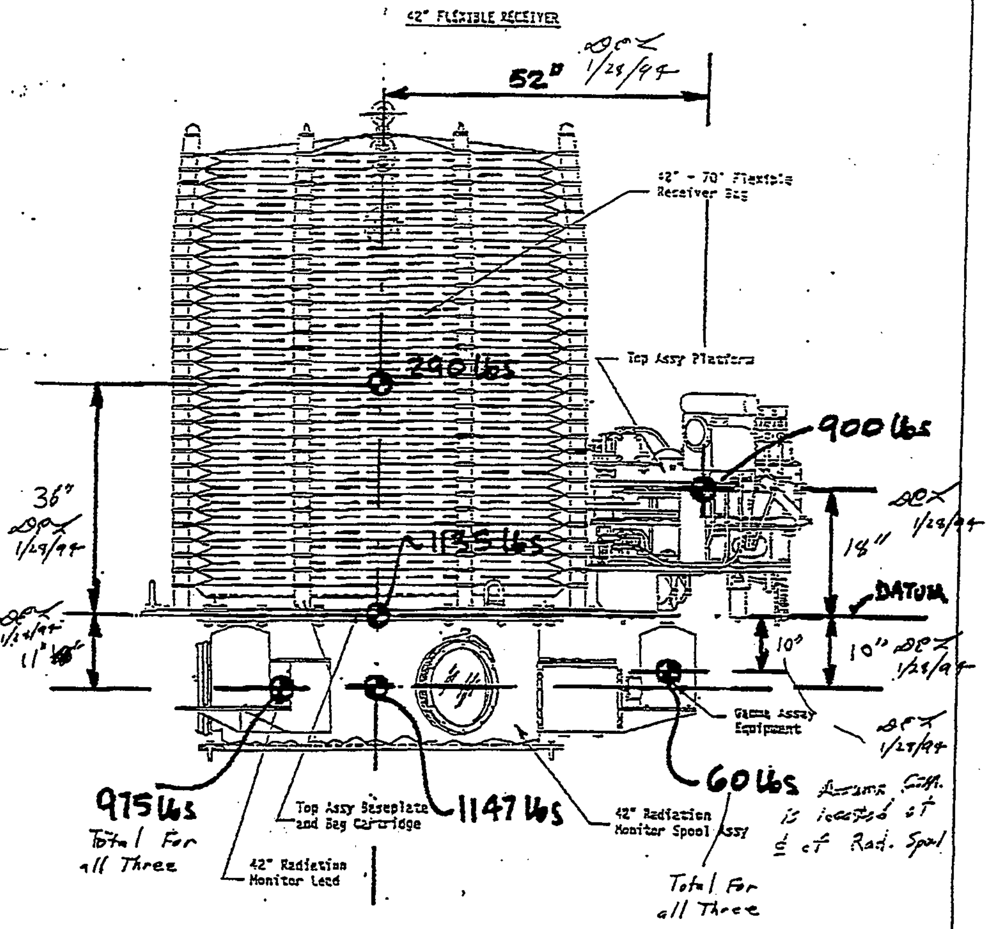
Calc. No. ~~W320-24-003~~
Revision 0

DESIGN ANALYSIS

Page No. of

Client WHC
Subject Flexible Receiver Support Design and analysis.
Location 200E

WO/Job No. ER 4289
Date
By ~~M. B. Lasota~~
Checked By
Revised By



KAISER ENGINEERS HANFORD		Calc. No. W320-24-002
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DESIGN ANALYSIS		Page No. of
Client WHC	WO/Job No. CR 1257	
Subject Flexible Receiver Support - design and analysis.	Date 7/1/94	By M. B. Lasota
	Checked 9/30/94	By M. R. Custer MRC
Location 241-AY-02B - Sluicing Pit	Revised N/A	By N/A

Attachment 2.

Modal Analysis - Computer output - Run ID=FO66066

Date: 07-01-1994; Time: 12:20:33

Total 25 pages + three cover sheets

KEH 0037.00 (06/92) KEF055

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

MATERIAL PROPERTIES

Material No	Modulus of Elasticity	Weight Density	Coeff of Thermal Exp.	Poisson's Ratio	Shear Web Modulus
1	3.00000E+07	7.00200E-01	0.00000E+00	3.00E-01	1.12000E+07
2	1.00000E+09	1.00000E-09	0.00000E+00	3.00E-01	3.85000E+08
3	3.00000E+07	2.83000E-01	0.00000E+00	3.00E-01	1.12000E+07

NODE COORDINATES

Node	X-Coord.	Y-Coord.	Z-Coord.
1	0.00000E+00	0.00000E+00	0.00000E+00
2	2.75000E+00	0.00000E+00	0.00000E+00
3	1.65000E+01	0.00000E+00	0.00000E+00
4	3.00000E+01	0.00000E+00	0.00000E+00
5	4.20000E+01	0.00000E+00	0.00000E+00
6	5.40000E+01	0.00000E+00	0.00000E+00
7	6.60000E+01	0.00000E+00	0.00000E+00
8	7.95000E+01	0.00000E+00	0.00000E+00
9	9.00000E+01	0.00000E+00	0.00000E+00
10	1.02000E+02	0.00000E+00	0.00000E+00
11	1.17250E+02	0.00000E+00	0.00000E+00
12	1.20000E+02	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	2.75000E+00
14	2.75000E+00	0.00000E+00	2.75000E+00
15	1.65000E+01	0.00000E+00	2.75000E+00
16	3.00000E+01	0.00000E+00	2.75000E+00
17	4.20000E+01	0.00000E+00	2.75000E+00
18	5.40000E+01	0.00000E+00	2.75000E+00
19	6.60000E+01	0.00000E+00	2.75000E+00
20	7.95000E+01	0.00000E+00	2.75000E+00
21	9.00000E+01	0.00000E+00	2.75000E+00
22	1.02000E+02	0.00000E+00	2.75000E+00
23	1.17250E+02	0.00000E+00	2.75000E+00
24	1.20000E+02	0.00000E+00	2.75000E+00
25	0.00000E+00	0.00000E+00	1.65000E+01
26	2.75000E+00	0.00000E+00	1.65000E+01
27	1.65000E+01	0.00000E+00	1.65000E+01
28	3.00000E+01	0.00000E+00	1.65000E+01

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
29	4.20000E+01	0.00000E+00	1.65000E+01
30	5.40000E+01	0.00000E+00	1.65000E+01
31	6.60000E+01	0.00000E+00	1.65000E+01
32	7.95000E+01	0.00000E+00	1.65000E+01
33	9.00000E+01	0.00000E+00	1.65000E+01
34	1.02000E+02	0.00000E+00	1.65000E+01
35	1.17250E+02	0.00000E+00	1.65000E+01
36	1.20000E+02	0.00000E+00	1.65000E+01
37	0.00000E+00	0.00000E+00	3.00000E+01
38	2.75000E+00	0.00000E+00	3.00000E+01
39	1.65000E+01	0.00000E+00	3.00000E+01
40	7.95000E+01	0.00000E+00	3.00000E+01
41	9.00000E+01	0.00000E+00	3.00000E+01
42	1.02000E+02	0.00000E+00	3.00000E+01
43	1.17250E+02	0.00000E+00	3.00000E+01
44	1.20000E+02	0.00000E+00	3.00000E+01
45	0.00000E+00	0.00000E+00	4.20000E+01
46	2.75000E+00	0.00000E+00	4.20000E+01
47	1.65000E+01	0.00000E+00	4.20000E+01
48	7.95000E+01	0.00000E+00	4.20000E+01
49	9.00000E+01	0.00000E+00	4.20000E+01
50	1.02000E+02	0.00000E+00	4.20000E+01
51	1.17250E+02	0.00000E+00	4.20000E+01
52	1.20000E+02	0.00000E+00	4.20000E+01
53	0.00000E+00	0.00000E+00	5.40000E+01
54	2.75000E+00	0.00000E+00	5.40000E+01
55	1.65000E+01	0.00000E+00	5.40000E+01
56	7.95000E+01	0.00000E+00	5.40000E+01
57	9.00000E+01	0.00000E+00	5.40000E+01
58	1.02000E+02	0.00000E+00	5.40000E+01
59	1.17250E+02	0.00000E+00	5.40000E+01
60	1.20000E+02	0.00000E+00	5.40000E+01
61	0.00000E+00	0.00000E+00	6.60000E+01
62	2.75000E+00	0.00000E+00	6.60000E+01
63	1.65000E+01	0.00000E+00	6.60000E+01
64	7.95000E+01	0.00000E+00	6.60000E+01
65	9.00000E+01	0.00000E+00	6.60000E+01
66	1.02000E+02	0.00000E+00	6.60000E+01
67	1.17250E+02	0.00000E+00	6.60000E+01
68	1.20000E+02	0.00000E+00	6.60000E+01
69	0.00000E+00	0.00000E+00	7.95000E+01
70	2.75000E+00	0.00000E+00	7.95000E+01

=============== I M A G E S 3 D ===============

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CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
71	1.65000E+01	0.00000E+00	7.95000E+01
72	3.00000E+01	0.00000E+00	7.95000E+01
73	4.20000E+01	0.00000E+00	7.95000E+01
74	5.40000E+01	0.00000E+00	7.95000E+01
75	6.60000E+01	0.00000E+00	7.95000E+01
76	7.95000E+01	0.00000E+00	7.95000E+01
77	9.00000E+01	0.00000E+00	7.95000E+01
78	1.02000E+02	0.00000E+00	7.95000E+01
79	1.17250E+02	0.00000E+00	7.95000E+01
80	1.20000E+02	0.00000E+00	7.95000E+01
81	0.00000E+00	0.00000E+00	9.32500E+01
82	2.75000E+00	0.00000E+00	9.32500E+01
83	1.65000E+01	0.00000E+00	9.32500E+01
84	3.00000E+01	0.00000E+00	9.32500E+01
85	4.20000E+01	0.00000E+00	9.32500E+01
86	5.40000E+01	0.00000E+00	9.32500E+01
87	6.60000E+01	0.00000E+00	9.32500E+01
88	7.95000E+01	0.00000E+00	9.32500E+01
89	9.00000E+01	0.00000E+00	9.32500E+01
90	1.02000E+02	0.00000E+00	9.32500E+01
91	1.17250E+02	0.00000E+00	9.32500E+01
92	1.20000E+02	0.00000E+00	9.32500E+01
93	0.00000E+00	0.00000E+00	9.60000E+01
94	2.75000E+00	0.00000E+00	9.60000E+01
95	1.65000E+01	0.00000E+00	9.60000E+01
96	3.00000E+01	0.00000E+00	9.60000E+01
97	4.20000E+01	0.00000E+00	9.60000E+01
98	5.40000E+01	0.00000E+00	9.60000E+01
99	6.60000E+01	0.00000E+00	9.60000E+01
100	7.95000E+01	0.00000E+00	9.60000E+01
101	9.00000E+01	0.00000E+00	9.60000E+01
102	1.02000E+02	0.00000E+00	9.60000E+01
103	1.17250E+02	0.00000E+00	9.60000E+01
104	1.20000E+02	0.00000E+00	9.60000E+01
105	4.80000E+01	0.00000E+00	2.58750E+01
106	4.22736E+01	0.00000E+00	2.66289E+01
107	3.69375E+01	0.00000E+00	2.88392E+01
108	3.23553E+01	0.00000E+00	3.23553E+01
109	2.88392E+01	0.00000E+00	3.69375E+01
110	2.66289E+01	0.00000E+00	4.22736E+01
111	2.58750E+01	0.00000E+00	4.80000E+01
112	2.66289E+01	0.00000E+00	5.37264E+01

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
113	2.88392E+01	0.00000E+00	5.90625E+01
114	3.23553E+01	0.00000E+00	6.36447E+01
115	3.69375E+01	0.00000E+00	6.71608E+01
116	4.22736E+01	0.00000E+00	6.93711E+01
117	4.80000E+01	0.00000E+00	7.01250E+01
118	5.37264E+01	0.00000E+00	6.93711E+01
119	5.90625E+01	0.00000E+00	6.71608E+01
120	6.36447E+01	0.00000E+00	6.36447E+01
121	6.71608E+01	0.00000E+00	5.90625E+01
122	6.93711E+01	0.00000E+00	5.37264E+01
123	7.01250E+01	0.00000E+00	4.80000E+01
124	6.93711E+01	0.00000E+00	4.22736E+01
125	6.71608E+01	0.00000E+00	3.69375E+01
126	6.36447E+01	0.00000E+00	3.23553E+01
127	5.90625E+01	0.00000E+00	2.88392E+01
128	5.37264E+01	0.00000E+00	2.66289E+01
129	0.00000E+00	-6.75000E+00	1.65000E+01
130	2.75000E+00	-6.75000E+00	1.65000E+01
131	1.65000E+01	-6.75000E+00	1.65000E+01
132	3.00000E+01	-6.75000E+00	1.65000E+01
133	4.20000E+01	-6.75000E+00	1.65000E+01
134	5.40000E+01	-6.75000E+00	1.65000E+01
135	6.60000E+01	-6.75000E+00	1.65000E+01
136	7.95000E+01	-6.75000E+00	1.65000E+01
137	9.00000E+01	-6.75000E+00	1.65000E+01
138	1.02000E+02	-6.75000E+00	1.65000E+01
139	1.17250E+02	-6.75000E+00	1.65000E+01
140	1.20000E+02	-6.75000E+00	1.65000E+01
141	0.00000E+00	-6.75000E+00	7.95000E+01
142	2.75000E+00	-6.75000E+00	7.95000E+01
143	1.65000E+01	-6.75000E+00	7.95000E+01
144	3.00000E+01	-6.75000E+00	7.95000E+01
145	4.20000E+01	-6.75000E+00	7.95000E+01
146	5.40000E+01	-6.75000E+00	7.95000E+01
147	6.60000E+01	-6.75000E+00	7.95000E+01
148	7.95000E+01	-6.75000E+00	7.95000E+01
149	9.00000E+01	-6.75000E+00	7.95000E+01
150	1.02000E+02	-6.75000E+00	7.95000E+01
151	1.17250E+02	-6.75000E+00	7.95000E+01
152	1.20000E+02	-6.75000E+00	7.95000E+01
153	1.65000E+01	-6.75000E+00	0.00000E+00
154	1.65000E+01	-6.75000E+00	2.75000E+00

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Node	X-Coord.	Y-Coord.	Z-Coord.
155	1.65000E+01	-6.75000E+00	3.00000E+01
156	1.65000E+01	-6.75000E+00	4.20000E+01
157	1.65000E+01	-6.75000E+00	5.40000E+01
158	1.65000E+01	-6.75000E+00	6.60000E+01
159	1.65000E+01	-6.75000E+00	9.32500E+01
160	1.65000E+01	-6.75000E+00	9.60000E+01
161	7.95000E+01	-6.75000E+00	0.00000E+00
162	7.95000E+01	-6.75000E+00	2.75000E+00
163	7.95000E+01	-6.75000E+00	3.00000E+01
164	7.95000E+01	-6.75000E+00	4.20000E+01
165	7.95000E+01	-6.75000E+00	5.40000E+01
166	7.95000E+01	-6.75000E+00	6.60000E+01
167	7.95000E+01	-6.75000E+00	9.32500E+01
168	7.95000E+01	-6.75000E+00	9.60000E+01
169	-4.50000E+00	-6.75000E+00	1.65000E+01
170	-4.50000E+00	-2.25000E+01	1.65000E+01
171	1.24500E+02	-6.75000E+00	1.65000E+01
172	1.24500E+02	-2.25000E+01	1.65000E+01
173	-4.50000E+00	-6.75000E+00	7.95000E+01
174	-4.50000E+00	-2.25000E+01	7.95000E+01
175	1.24500E+02	-6.75000E+00	7.95000E+01
176	1.24500E+02	-2.25000E+01	7.95000E+01
177	1.65000E+01	-6.75000E+00	-4.50000E+00
178	1.65000E+01	-2.25000E+01	-4.50000E+00
179	1.65000E+01	-6.75000E+00	1.00500E+02
180	1.65000E+01	-2.25000E+01	1.00500E+02
181	7.95000E+01	-6.75000E+00	-4.50000E+00
182	7.95000E+01	-2.25000E+01	-4.50000E+00
183	7.95000E+01	-6.75000E+00	1.18500E+02
184	7.95000E+01	-2.25000E+01	1.18500E+02
185	5.83750E+01	2.25000E+01	4.80000E+01
186	5.83750E+01	2.02500E+01	4.80000E+01
187	2.75000E+00	-6.75000E+00	2.75000E+00
188	3.00000E+01	-6.75000E+00	2.75000E+00
189	4.20000E+01	-6.75000E+00	2.75000E+00
190	5.40000E+01	-6.75000E+00	2.75000E+00
191	6.60000E+01	-6.75000E+00	2.75000E+00
192	9.00000E+01	-6.75000E+00	2.75000E+00
193	1.02000E+02	-6.75000E+00	2.75000E+00
194	1.17250E+02	-6.75000E+00	2.75000E+00
195	2.75000E+00	-6.75000E+00	9.32500E+01
196	3.00000E+01	-6.75000E+00	9.32500E+01

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Node	X-Coord.	Y-Coord.	Z-Coord.
197	4.20000E+01	-6.75000E+00	9.32500E+01
198	5.40000E+01	-6.75000E+00	9.32500E+01
199	6.60000E+01	-6.75000E+00	9.32500E+01
200	9.00000E+01	-6.75000E+00	9.32500E+01
201	1.02000E+02	-6.75000E+00	9.32500E+01
202	1.17250E+02	-6.75000E+00	9.32500E+01
203	2.75000E+00	-6.75000E+00	3.00000E+01
204	2.75000E+00	-6.75000E+00	4.20000E+01
205	2.75000E+00	-6.75000E+00	5.40000E+01
206	2.75000E+00	-6.75000E+00	6.60000E+01
207	1.17250E+02	-6.75000E+00	3.00000E+01
208	1.17250E+02	-6.75000E+00	4.20000E+01
209	1.17250E+02	-6.75000E+00	5.40000E+01
210	1.17250E+02	-6.75000E+00	6.60000E+01

BEAM PROPERTIES

Multiplier = 1 (For AISC database properties only)

Prop No	N a m e
1	W12X40
2	W8X31
3	W10X49
4	C12X20.7

Prop No	X-Section Area	Moment of Inertia Iy	/ Iz	Torsional Const.- J
1	1.180E+01	4.410E+01	3.100E+02	9.501E-01
2	9.138E+00	3.711E+01	1.100E+02	5.405E-01
3	1.441E+01	9.340E+01	2.720E+02	1.390E+00
4	6.091E+00	3.881E+00	1.290E+02	3.701E-01

Prop No	Max. Fiber Dist Cy	/ Cz	Shear Shape Fact SSFy	/ SSFz	Ctors	Shear Stress Factor SSTRFy	/ SSTRFz
1	4.01E+00	5.97E+00	3.35E+00	1.43E+00	5.15E-01	3.60E+00	2.14E+00
2	4.00E+00	4.00E+00	4.01E+00	1.31E+00	4.35E-01	4.36E+00	1.97E+00
3	4.99E+00	4.98E+00	4.25E+00	1.29E+00	5.60E-01	4.63E+00	1.93E+00
4	2.24E+00	6.00E+00	1.80E+00	2.07E+00	5.01E-01	2.13E+00	3.66E+00

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BEAM CONNECTIVITY

Beam No	Nodes From	To	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I	J	Length	Beam Type
1	129	130	25	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
2	130	131	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
3	131	132	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
4	132	133	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
5	133	134	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
6	134	135	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
7	135	136	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
8	136	137	25	1	3		0.00E+00	0.00E+00	0.11E+02	Beam
9	137	138	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
10	138	139	25	1	3		0.00E+00	0.00E+00	0.15E+02	Beam
11	139	140	25	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
12	141	142	69	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
13	142	143	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
14	143	144	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
15	144	145	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
16	145	146	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
17	146	147	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
18	147	148	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
19	148	149	69	1	3		0.00E+00	0.00E+00	0.11E+02	Beam
20	149	150	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
21	150	151	69	1	3		0.00E+00	0.00E+00	0.15E+02	Beam
22	151	152	69	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
23	153	154	3	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
24	154	131	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
25	131	155	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
26	155	156	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
27	156	157	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
28	157	158	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
29	158	143	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
30	143	159	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
31	159	160	3	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
32	161	162	8	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
33	162	136	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
34	136	163	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
35	163	164	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
36	164	165	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
37	165	166	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
38	166	148	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
39	148	167	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
40	167	168	8	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
41	129	169	170	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
42	169	170	129	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
43	140	171	172	1	3		0.00E+00	0.00E+00	0.45E+01	Beam

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Beam No	Nodes From/	To /	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I /	J	Length	Beam Type
44	171	172	140	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
45	141	173	174	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
46	173	174	141	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
47	152	175	176	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
48	175	176	152	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
49	153	177	178	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
50	177	178	153	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
51	160	179	180	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
52	179	180	160	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
53	161	181	182	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
54	181	182	161	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
55	168	183	184	1	3		0.00E+00	0.00E+00	0.23E+02	Beam
56	183	184	168	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
57	185	105	186	3	2	56	0.00E+00	0.00E+00	0.33E+02	Beam
58	185	107	186	3	2	56	0.00E+00	0.00E+00	0.37E+02	Beam
59	185	109	186	3	2	56	0.00E+00	0.00E+00	0.39E+02	Beam
60	185	111	186	3	2	56	0.00E+00	0.00E+00	0.40E+02	Beam
61	185	113	186	3	2	56	0.00E+00	0.00E+00	0.39E+02	Beam
62	185	115	186	3	2	56	0.00E+00	0.00E+00	0.37E+02	Beam
63	185	117	186	3	2	56	0.00E+00	0.00E+00	0.33E+02	Beam
64	185	119	186	3	2	56	0.00E+00	0.00E+00	0.30E+02	Beam
65	185	121	186	3	2	56	0.00E+00	0.00E+00	0.27E+02	Beam
66	185	123	186	3	2	56	0.00E+00	0.00E+00	0.25E+02	Beam
67	185	125	186	3	2	56	0.00E+00	0.00E+00	0.27E+02	Beam
68	185	127	186	3	2	56	0.00E+00	0.00E+00	0.30E+02	Beam
69	185	186	123	3	2		0.00E+00	0.00E+00	0.23E+01	Beam
70	187	154	15	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
71	154	188	16	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
72	188	189	17	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
73	189	190	18	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
74	190	191	19	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
75	191	162	20	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
76	162	192	21	4	3		0.00E+00	0.00E+00	0.11E+02	Beam
77	192	193	22	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
78	193	194	23	4	3		0.00E+00	0.00E+00	0.15E+02	Beam
79	202	201	90	4	3		0.00E+00	0.00E+00	0.15E+02	Beam
80	201	200	89	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
81	200	167	88	4	3		0.00E+00	0.00E+00	0.11E+02	Beam
82	167	199	87	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
83	199	198	86	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
84	198	197	85	4	3		0.00E+00	0.00E+00	0.12E+02	Beam

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Beam No	Nodes From/	To /	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I /	J	Length	Beam Type
85	197	196	84	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
86	196	159	83	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
87	159	195	82	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
88	187	130	26	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
89	130	203	38	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
90	203	204	46	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
91	204	205	54	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
92	205	206	62	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
93	206	142	70	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
94	142	195	82	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
95	202	151	79	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
96	151	210	67	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
97	210	209	59	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
98	209	208	51	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
99	208	207	43	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
100	207	139	35	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
101	139	194	23	4	3		0.00E+00	0.00E+00	0.14E+02	Beam

PLATE ELEMENT CONNECTIVITY

Plate	No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	1	13	14	2	1	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	2	14	15	3	2	1	1.500E+00	3.781E+01		5.000E+00	M+B
QUAD	3	15	16	4	3	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	4	16	17	5	4	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	5	17	18	6	5	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	6	18	19	7	6	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	7	19	20	8	7	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	8	20	21	9	8	1	1.500E+00	2.888E+01		3.818E+00	M+B
QUAD	9	21	22	10	9	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	10	22	23	11	10	1	1.500E+00	4.194E+01		5.545E+00	M+B
QUAD	11	23	24	12	11	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	12	25	26	14	13	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	13	26	27	15	14	1	1.500E+00	1.891E+02		1.000E+00	M+B
QUAD	14	27	28	16	15	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	15	28	29	17	16	1	1.500E+00	1.650E+02		8.727E-01	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	16	29	30	18	17	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	17	30	31	19	18	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	18	31	32	20	19	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	19	32	33	21	20	1	1.500E+00	1.444E+02		7.636E-01	M+B
QUAD	20	33	34	22	21	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	21	34	35	23	22	1	1.500E+00	2.097E+02		1.109E+00	M+B
QUAD	22	35	36	24	23	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	23	37	38	26	25	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	24	38	39	27	26	1	1.500E+00	1.856E+02		1.019E+00	M+B
QUAD	25	40	41	33	32	1	1.500E+00	1.418E+02		7.778E-01	M+B
QUAD	26	41	42	34	33	1	1.500E+00	1.620E+02		8.889E-01	M+B
QUAD	27	42	43	35	34	1	1.500E+00	2.059E+02		1.130E+00	M+B
QUAD	28	43	44	36	35	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	29	45	46	38	37	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	30	46	47	39	38	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	31	48	49	41	40	1	1.500E+00	1.260E+02		8.750E-01	M+B
QUAD	32	49	50	42	41	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	33	50	51	43	42	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	34	51	52	44	43	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	35	53	54	46	45	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	36	54	55	47	46	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	37	56	57	49	48	1	1.500E+00	1.260E+02		8.750E-01	M+B
QUAD	38	57	58	50	49	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	39	58	59	51	50	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	40	59	60	52	51	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	41	61	62	54	53	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	42	62	63	55	54	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	43	64	65	57	56	1	1.500E+00	1.260E+02		8.750E-01	M+B
QUAD	44	65	66	58	57	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	45	66	67	59	58	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	46	67	68	60	59	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	47	69	70	62	61	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	48	70	71	63	62	1	1.500E+00	1.856E+02		1.019E+00	M+B
QUAD	49	76	77	65	64	1	1.500E+00	1.418E+02		7.778E-01	M+B
QUAD	50	77	78	66	65	1	1.500E+00	1.620E+02		8.889E-01	M+B
QUAD	51	78	79	67	66	1	1.500E+00	2.059E+02		1.130E+00	M+B
QUAD	52	79	80	68	67	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	53	81	82	70	69	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	54	82	83	71	70	1	1.500E+00	1.891E+02		1.000E+00	M+B
QUAD	55	83	84	72	71	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	56	84	85	73	72	1	1.500E+00	1.650E+02		8.727E-01	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	57	85	86	74	73	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	58	86	87	75	74	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	59	87	88	76	75	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	60	88	89	77	76	1	1.500E+00	1.444E+02		7.636E-01	M+B
QUAD	61	89	90	78	77	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	62	90	91	79	78	1	1.500E+00	2.097E+02		1.109E+00	M+B
QUAD	63	91	92	80	79	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	64	93	94	82	81	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	65	94	95	83	82	1	1.500E+00	3.781E+01		5.000E+00	M+B
QUAD	66	95	96	84	83	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	67	96	97	85	84	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	68	97	98	86	85	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	69	98	99	87	86	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	70	99	100	88	87	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	71	100	101	89	88	1	1.500E+00	2.888E+01		3.818E+00	M+B
QUAD	72	101	102	90	89	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	73	102	103	91	90	1	1.500E+00	4.194E+01		5.545E+00	M+B
QUAD	74	103	104	92	91	1	1.500E+00	7.563E+00		1.000E+00	M+B
TRI	75	105	30	29		1	1.500E+00	5.625E+01		1.097E+00	M+B
TRI	76	106	105	29		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	77	107	106	29	28	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	78	108	107	28	27	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	79	109	108	27	39	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	80	110	109	39	47	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	81	111	110	47		1	1.500E+00	2.910E+01		5.638E-01	M+B
TRI	82	111	47	55		1	1.500E+00	5.625E+01		1.097E+00	M+B
TRI	83	112	111	55		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	84	113	112	55	63	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	85	114	113	63	71	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	86	115	114	71	72	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	87	116	115	72	73	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	88	73	117	116		1	1.500E+00	2.910E+01		1.829E+00	M+B
TRI	89	73	74	117		1	1.500E+00	5.625E+01		1.280E+00	M+B
TRI	90	74	118	117		1	1.500E+00	2.910E+01		1.392E+00	M+B
QUAD	91	74	75	119	118	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	92	75	76	120	119	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	93	76	64	121	120	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	94	64	56	122	121	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	95	56	123	122		1	1.500E+00	2.910E+01		1.829E+00	M+B
TRI	96	56	48	123		1	1.500E+00	5.625E+01		1.280E+00	M+B
TRI	97	48	124	123		1	1.500E+00	2.910E+01		1.392E+00	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	98	48	40	125	124	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	99	40	32	126	125	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	100	32	31	127	126	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	101	128	127	31	30	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	102	105	128	30		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	103	129	130	26	25	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	104	130	131	27	26	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	105	131	132	28	27	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	106	132	133	29	28	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	107	133	134	30	29	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	108	134	135	31	30	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	109	135	136	32	31	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	110	136	137	33	32	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	111	137	138	34	33	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	112	138	139	35	34	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	113	139	140	36	35	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	114	141	142	70	69	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	115	142	143	71	70	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	116	143	144	72	71	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	117	144	145	73	72	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	118	145	146	74	73	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	119	146	147	75	74	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	120	147	148	76	75	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	121	148	149	77	76	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	122	149	150	78	77	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	123	150	151	79	78	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	124	151	152	80	79	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	125	154	153	3	15	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	126	131	154	15	27	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	127	155	131	27	39	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	128	156	155	39	47	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	129	157	156	47	55	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	130	158	157	55	63	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	131	143	158	63	71	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	132	159	143	71	83	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	133	160	159	83	95	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	134	162	161	8	20	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	135	136	162	20	32	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	136	163	136	32	40	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	137	164	163	40	48	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	138	165	164	48	56	3	2.500E-01	8.100E+01		1.778E+00	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	139	166	165	56	64	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	140	148	166	64	76	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	141	167	148	76	88	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	142	168	167	88	100	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	143	187	154	15	14	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	144	154	188	16	15	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	145	188	189	17	16	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	146	189	190	18	17	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	147	190	191	19	18	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	148	191	162	20	19	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	149	162	192	21	20	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	150	192	193	22	21	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	151	193	194	23	22	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	152	195	159	83	82	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	153	159	196	84	83	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	154	196	197	85	84	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	155	197	198	86	85	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	156	198	199	87	86	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	157	199	167	88	87	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	158	167	200	89	88	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	159	200	201	90	89	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	160	201	202	91	90	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	161	130	187	14	26	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	162	203	130	26	38	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	163	204	203	38	46	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	164	205	204	46	54	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	165	206	205	54	62	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	166	142	206	62	70	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	167	195	142	70	82	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	168	139	194	23	35	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	169	207	139	35	43	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	170	208	207	43	51	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	171	209	208	51	59	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	172	210	209	59	67	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	173	151	210	67	79	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	174	202	151	79	91	3	2.500E-01	9.281E+01		2.037E+00	M+B

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

RESTRAINTS

Node No	Global/Local	Restraint Directions
170	GLOBAL	X - Z - - -
172	GLOBAL	- - Z - - -
174	GLOBAL	X - Z - - -
176	GLOBAL	- - Z - - -
178	GLOBAL	X - Z - - -
180	GLOBAL	X - - - - -
182	GLOBAL	X - Z - - -
184	GLOBAL	X - - - - -
187	GLOBAL	- Y - - - -
188	GLOBAL	- Y - - - -
189	GLOBAL	- Y - - - -
190	GLOBAL	- Y - - - -
191	GLOBAL	- Y - - - -
192	GLOBAL	- Y - - - -
193	GLOBAL	- Y - - - -
194	GLOBAL	- Y - - - -
195	GLOBAL	- Y - - - -
196	GLOBAL	- Y - - - -
197	GLOBAL	- Y - - - -
198	GLOBAL	- Y - - - -
199	GLOBAL	- Y - - - -
200	GLOBAL	- Y - - - -
201	GLOBAL	- Y - - - -
202	GLOBAL	- Y - - - -
203	GLOBAL	- Y - - - -
204	GLOBAL	- Y - - - -
205	GLOBAL	- Y - - - -
206	GLOBAL	- Y - - - -
207	GLOBAL	- Y - - - -
208	GLOBAL	- Y - - - -
209	GLOBAL	- Y - - - -
210	GLOBAL	- Y - - - -

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

ROTATIONAL DEGREES OF FREEDOM IN LOCAL COORDINATES

Node	Local T1 axis X	Local T1 axis Y	Local T1 axis Z	/	Local T2 axis X	Local T2 axis Y	Local T2 axis Z
1	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
2	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
4	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
5	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
6	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
7	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
9	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
10	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
11	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
12	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
13	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
24	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
37	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
41	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
42	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
44	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
45	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
49	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
50	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
52	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
53	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
57	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
58	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
60	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
61	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
65	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
66	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
68	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
81	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
92	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
93	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
94	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
96	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
97	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
98	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
99	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
101	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
102	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
103	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
104	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01

ASSEMBLE STIFFNESS MATRIX Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

	Local T1 axis			/	Local T2 axis		
Node	X	Y	Z	/	X	Y	Z
106	.9536E+00	.0000E+00	-.3012E+00	/	-.3012E+00	.0000E+00	-.9536E+00
108	.7071E+00	.0000E+00	-.7071E+00	/	-.7071E+00	.0000E+00	-.7071E+00
110	.3012E+00	.0000E+00	-.9536E+00	/	-.9536E+00	.0000E+00	-.3012E+00
112	-.3012E+00	.0000E+00	-.9536E+00	/	-.9536E+00	.0000E+00	.3012E+00
114	-.7071E+00	.0000E+00	-.7071E+00	/	-.7071E+00	.0000E+00	.7071E+00
116	-.9995E+00	.0000E+00	.3033E-01	/	.3033E-01	.0000E+00	.9995E+00
118	-.8978E+00	.0000E+00	-.4404E+00	/	-.4404E+00	.0000E+00	.8978E+00
120	.7071E+00	.0000E+00	-.7071E+00	/	-.7071E+00	.0000E+00	-.7071E+00
122	-.3136E+00	.0000E+00	-.9495E+00	/	-.9495E+00	.0000E+00	.3136E+00
124	-.4404E+00	.0000E+00	.8978E+00	/	.8978E+00	.0000E+00	.4404E+00
126	-.7071E+00	.0000E+00	-.7071E+00	/	-.7071E+00	.0000E+00	.7071E+00
128	.9536E+00	.0000E+00	.3012E+00	/	.3012E+00	.0000E+00	-.9536E+00

ASSEMBLE STIFFNESS MATRIX Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

STIFFNESS ASSEMBLY SUMMARY

Number of Node Points.................	210
Number of Truss and Beam Elements.....	101
Number of Plate Elements..............	174
Number of Spring Elements.............	0
Number of Solid Elements..............	0
Number of Axisymmetric Elements.......	0
Number of Nodes with Restraints.......	32
Number of Equations to be Solved......	1172
Number of Blocks in the Matrix........	8

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

BLCK NO	SIZE (Byte)	BLCK NO	SIZE (Byte)	BLCK NO	SIZE (Byte)	BLCK NO	SIZE (Byte)
1	143672	2	142528	3	142552	4	143616
5	143056	6	143000	7	143992	8	47864

ASSEMBLE STIFFNESS MATRIX Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

E Q U A T I O N N U M B E R L I S T

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
1	194	1078	1079	1080	1081	1082	0
2	193	1073	1074	1075	1076	1077	0
3	192	1067	1068	1069	1070	1071	1072
4	189	1050	1051	1052	1053	1054	0
5	172	954	955	956	957	958	0
6	157	872	873	874	875	876	0
7	125	690	691	692	693	694	0
8	83	445	446	447	448	449	450
9	45	239	240	241	242	243	0
10	44	234	235	236	237	238	0
11	29	150	151	152	153	154	0
12	20	102	103	104	105	106	0
13	204	1134	1135	1136	1137	1138	0
14	203	1128	1129	1130	1131	1132	1133
15	201	1117	1118	1119	1120	1121	1122
16	188	1044	1045	1046	1047	1048	1049
17	170	943	944	945	946	947	948
18	142	785	786	787	788	789	790
19	120	663	664	665	666	667	668
20	84	451	452	453	454	455	456
21	82	439	440	441	442	443	444
22	46	244	245	246	247	248	249
23	26	133	134	135	136	137	138
24	16	80	81	82	83	84	0
25	207	1151	1152	1153	1154	1155	1156
26	205	1139	1140	1141	1142	1143	1144
27	200	1111	1112	1113	1114	1115	1116
28	186	1033	1034	1035	1036	1037	1038
29	169	937	938	939	940	941	942
30	141	779	780	781	782	783	784
31	119	657	658	659	660	661	662
32	112	615	616	617	618	619	620
33	85	457	458	459	460	461	462
34	47	250	251	252	253	254	255
35	24	121	122	123	124	125	126
36	6	29	30	31	32	33	34
37	196	1088	1089	1090	1091	1092	0
38	198	1099	1100	1101	1102	1103	1104
39	197	1093	1094	1095	1096	1097	1098
40	118	651	652	653	654	655	656

ASSEMBLE STIFFNESS MATRIX Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
41	88	475	476	477	478	479	0
42	51	273	274	275	276	277	0
43	25	127	128	129	130	131	132
44	15	75	76	77	78	79	0
45	176	976	977	978	979	980	0
46	178	987	988	989	990	991	992
47	181	1004	1005	1006	1007	1008	1009
48	117	645	646	647	648	649	650
49	91	492	493	494	495	496	0
50	59	314	315	316	317	318	0
51	33	171	172	173	174	175	176
52	14	70	71	72	73	74	0
53	163	903	904	905	906	907	0
54	161	892	893	894	895	896	897
55	160	886	887	888	889	890	891
56	116	639	640	641	642	643	644
57	94	509	510	511	512	513	0
58	61	325	326	327	328	329	0
59	34	177	178	179	180	181	182
60	13	65	66	67	68	69	0
61	156	867	868	869	870	871	0
62	140	773	774	775	776	777	778
63	139	767	768	769	770	771	772
64	115	633	634	635	636	637	638
65	97	526	527	528	529	530	0
66	63	335	336	337	338	339	0
67	36	189	190	191	192	193	194
68	12	60	61	62	63	64	0
69	130	715	716	717	718	719	720
70	131	721	722	723	724	725	726
71	133	733	734	735	736	737	738
72	137	756	757	758	759	760	761
73	136	750	751	752	753	754	755
74	114	627	628	629	630	631	632
75	113	621	622	623	624	625	626
76	111	609	610	611	612	613	614
77	102	555	556	557	558	559	560
78	66	351	352	353	354	355	356
79	35	183	184	185	186	187	188
80	5	23	24	25	26	27	28

ASSEMBLE STIFFNESS MATRIX Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
81	77	411	412	413	414	415	0
82	76	405	406	407	408	409	410
83	80	427	428	429	430	431	432
84	89	480	481	482	483	484	485
85	92	497	498	499	500	501	502
86	95	514	515	516	517	518	519
87	99	537	538	539	540	541	542
88	101	549	550	551	552	553	554
89	98	531	532	533	534	535	536
90	70	372	373	374	375	376	377
91	37	195	196	197	198	199	200
92	11	55	56	57	58	59	0
93	56	298	299	300	301	302	0
94	57	303	304	305	306	307	0
95	60	319	320	321	322	323	324
96	62	330	331	332	333	334	0
97	68	362	363	364	365	366	0
98	71	378	379	380	381	382	0
99	73	388	389	390	391	392	0
100	74	393	394	395	396	397	398
101	72	383	384	385	386	387	0
102	69	367	368	369	370	371	0
103	40	212	213	214	215	216	0
104	19	97	98	99	100	101	0
105	155	861	862	863	864	865	866
106	168	932	933	934	935	936	0
107	183	1016	1017	1018	1019	1020	1021
108	185	1028	1029	1030	1031	1032	0
109	182	1010	1011	1012	1013	1014	1015
110	180	999	1000	1001	1002	1003	0
111	165	914	915	916	917	918	919
112	158	877	878	879	880	881	0
113	148	821	822	823	824	825	826
114	135	745	746	747	748	749	0
115	147	815	816	817	818	819	820
116	138	762	763	764	765	766	0
117	154	855	856	857	858	859	860
118	129	710	711	712	713	714	0
119	146	809	810	811	812	813	814
120	124	685	686	687	688	689	0

ASSEMBLE STIFFNESS MATRIX Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
121	145	803	804	805	806	807	808
122	128	705	706	707	708	709	0
123	153	849	850	851	852	853	854
124	127	700	701	702	703	704	0
125	144	797	798	799	800	801	802
126	123	680	681	682	683	684	0
127	143	791	792	793	794	795	796
128	126	695	696	697	698	699	0
129	208	1157	1158	1159	1160	1161	1162
130	206	1145	1146	1147	1148	1149	1150
131	199	1105	1106	1107	1108	1109	1110
132	184	1022	1023	1024	1025	1026	1027
133	167	926	927	928	929	930	931
134	152	843	844	845	846	847	848
135	122	674	675	676	677	678	679
136	90	486	487	488	489	490	491
137	87	469	470	471	472	473	474
138	48	256	257	258	259	260	261
139	27	139	140	141	142	143	144
140	18	91	92	93	94	95	96
141	79	421	422	423	424	425	426
142	132	727	728	729	730	731	732
143	134	739	740	741	742	743	744
144	110	603	604	605	606	607	608
145	109	597	598	599	600	601	602
146	108	591	592	593	594	595	596
147	107	585	586	587	588	589	590
148	106	579	580	581	582	583	584
149	105	573	574	575	576	577	578
150	64	340	341	342	343	344	345
151	38	201	202	203	204	205	206
152	17	85	86	87	88	89	90
153	190	1055	1056	1057	1058	1059	1060
154	191	1061	1062	1063	1064	1065	1066
155	179	993	994	995	996	997	998
156	177	981	982	983	984	985	986
157	164	908	909	910	911	912	913
158	151	837	838	839	840	841	842
159	81	433	434	435	436	437	438
160	58	308	309	310	311	312	313

ASSEMBLE STIFFNESS MATRIX Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
161	50	267	268	269	270	271	272
162	86	463	464	465	466	467	468
163	93	503	504	505	506	507	508
164	96	520	521	522	523	524	525
165	100	543	544	545	546	547	548
166	104	567	568	569	570	571	572
167	103	561	562	563	564	565	566
168	75	399	400	401	402	403	404
169	209	1163	1164	1165	1166	1167	1168
170	210	0	1169	0	1170	1171	1172
171	4	17	18	19	20	21	22
172	2	6	7	0	8	9	10
173	42	223	224	225	226	227	228
174	31	0	161	0	162	163	164
175	3	11	12	13	14	15	16
176	1	1	2	0	3	4	5
177	173	959	960	961	962	963	964
178	159	0	882	0	883	884	885
179	32	165	166	167	168	169	170
180	22	0	111	112	113	114	115
181	30	155	156	157	158	159	160
182	21	0	107	0	108	109	110
183	41	217	218	219	220	221	222
184	23	0	116	117	118	119	120
185	166	920	921	922	923	924	925
186	174	965	966	967	968	969	970
187	202	1123	0	1124	1125	1126	1127
188	187	1039	0	1040	1041	1042	1043
189	171	949	0	950	951	952	953
190	150	832	0	833	834	835	836
191	121	669	0	670	671	672	673
192	49	262	0	263	264	265	266
193	43	229	0	230	231	232	233
194	28	145	0	146	147	148	149
195	78	416	0	417	418	419	420
196	52	278	0	279	280	281	282
197	53	283	0	284	285	286	287
198	54	288	0	289	290	291	292
199	55	293	0	294	295	296	297
200	67	357	0	358	359	360	361

ASSEMBLE STIFFNESS MATRIX Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
201	65	346	0	347	348	349	350
202	39	207	0	208	209	210	211
203	195	1083	0	1084	1085	1086	1087
204	175	971	0	972	973	974	975
205	162	898	0	899	900	901	902
206	149	827	0	828	829	830	831
207	10	50	0	51	52	53	54
208	9	45	0	46	47	48	49
209	8	40	0	41	42	43	44
210	7	35	0	36	37	38	39

STIFFNESS SUMMARY IN 8 BLOCKS

Minimum Diagonal Stiffness..... .3960D+06
Eq No of Minimum Diagonal...... 4
Maximum Diagonal Stiffness..... .2418D+12
Eq No of Maximum Diagonal...... 925

SOLVE FREQUENCIES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS
MODAL ANALYSIS OF SLUICE PIT PLATFORM AY-02B SLPT02B1

Number of frequencies requested	6
Number of frequencies printed	6
Acceleration of gravity	386.40

Mode	Eigenvalue	Frequency	Period	Error
1	.172232E+05	.208871E+02	.478765E-01	.191291E-14
2	.208998E+05	.230086E+02	.434619E-01	.101152E-13
3	.310725E+05	.280549E+02	.356444E-01	.133140E-11
4	.498613E+05	.355387E+02	.281383E-01	.176005E-11
5	.880033E+05	.472139E+02	.211802E-01	.557447E-09
6	.104426E+06	.514310E+02	.194435E-01	.455118E-08

SOLVE PARTICIPATION Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS
MODAL ANALYSIS OF SLUICE PIT PLATFORM AY-02B SLPT02B1

Mode	Generalized Weight	PARTICIPATION FACTORS X	Y	Z
1	.1060E+05	.5615E+00	-.2359E+00	.9892E+00
2	.1318E+05	.9627E+00	-.1334E+00	-.4987E+00
3	.6615E+04	-.5893E-01	-.7441E-01	.6999E+00
4	.4482E+04	.7052E+00	.1036E+01	.2338E+00
5	.3082E+04	-.6131E-01	.2516E+00	-.3520E+00
6	.1828E+04	-.1424E+00	.1139E+01	.4151E+00

Mode	EFFECTIVE MODAL WEIGHTS X	Y	Z	% TOTAL SYSTEM WEIGHTS X	Y	Z
1	.3343E+04	.5901E+03	.1038E+05	18.70	3.39	58.05
2	.1221E+05	.2345E+03	.3277E+04	68.33	1.35	18.34
3	.2297E+02	.3663E+02	.3241E+04	.13	.21	18.13
4	.2229E+04	.4813E+04	.2450E+03	12.47	27.68	1.37
5	.1159E+02	.1951E+03	.3819E+03	.06	1.12	2.14
6	.3707E+02	.2371E+04	.3148E+03	.21	13.64	1.76
			Summation:	99.91	47.39	99.78

DESIGN ANALYSIS

Client WHC
Subject Flexible Receiver Support - design and analysis.
Location 241-AY-02B - Sluicing Pit

WO/Job No. CR 1257
Date 7/1/94 By M. B. Lasota
Checked 9/30/94 By M.R. Custer MRC
Revised N/A By N/A

Attachment 3.

Static Analysis -Seismic Load -x,-y,-z, - Run ID=NN62812

Date: ~~04-23-1994~~ 07-01-1994; Time: 14:34:04

Total 55 pages + three cover sheets.

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

MATERIAL PROPERTIES

Material No	Modulus of Elasticity	Weight Density	Coeff of Thermal Exp.	Poisson's Ratio	Shear Web Modulus
1	3.00000E+07	7.00200E-01	0.00000E+00	3.00E-01	1.12000E+07
2	1.00000E+09	1.00000E-09	0.00000E+00	3.00E-01	3.85000E+08
3	3.00000E+07	2.83000E-01	0.00000E+00	3.00E-01	1.12000E+07

NONLINEAT SPRING CONSTANTS

Spring Const.	S T I F F N E S S				Limit Displacement	
	KT1	KC1	KT2	KC2	Tension	Compression
1	1.000E+07	0.000E+00	1.000E+07	0.000E+00	0.000E+00	0.000E+00

NODE COORDINATES

Node	X-Coord.	Y-Coord.	Z-Coord.
1	0.00000E+00	0.00000E+00	0.00000E+00
2	2.75000E+00	0.00000E+00	0.00000E+00
3	1.65000E+01	0.00000E+00	0.00000E+00
4	3.00000E+01	0.00000E+00	0.00000E+00
5	4.20000E+01	0.00000E+00	0.00000E+00
6	5.40000E+01	0.00000E+00	0.00000E+00
7	6.60000E+01	0.00000E+00	0.00000E+00
8	7.95000E+01	0.00000E+00	0.00000E+00
9	9.00000E+01	0.00000E+00	0.00000E+00
10	1.02000E+02	0.00000E+00	0.00000E+00
11	1.17250E+02	0.00000E+00	0.00000E+00
12	1.20000E+02	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	2.75000E+00
14	2.75000E+00	0.00000E+00	2.75000E+00
15	1.65000E+01	0.00000E+00	2.75000E+00
16	3.00000E+01	0.00000E+00	2.75000E+00
17	4.20000E+01	0.00000E+00	2.75000E+00
18	5.40000E+01	0.00000E+00	2.75000E+00
19	6.60000E+01	0.00000E+00	2.75000E+00
20	7.95000E+01	0.00000E+00	2.75000E+00
21	9.00000E+01	0.00000E+00	2.75000E+00

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Node	X-Coord.	Y-Coord.	Z-Coord.
22	1.02000E+02	0.00000E+00	2.75000E+00
23	1.17250E+02	0.00000E+00	2.75000E+00
24	1.20000E+02	0.00000E+00	2.75000E+00
25	0.00000E+00	0.00000E+00	1.65000E+01
26	2.75000E+00	0.00000E+00	1.65000E+01
27	1.65000E+01	0.00000E+00	1.65000E+01
28	3.00000E+01	0.00000E+00	1.65000E+01
29	4.20000E+01	0.00000E+00	1.65000E+01
30	5.40000E+01	0.00000E+00	1.65000E+01
31	6.60000E+01	0.00000E+00	1.65000E+01
32	7.95000E+01	0.00000E+00	1.65000E+01
33	9.00000E+01	0.00000E+00	1.65000E+01
34	1.02000E+02	0.00000E+00	1.65000E+01
35	1.17250E+02	0.00000E+00	1.65000E+01
36	1.20000E+02	0.00000E+00	1.65000E+01
37	0.00000E+00	0.00000E+00	3.00000E+01
38	2.75000E+00	0.00000E+00	3.00000E+01
39	1.65000E+01	0.00000E+00	3.00000E+01
40	7.95000E+01	0.00000E+00	3.00000E+01
41	9.00000E+01	0.00000E+00	3.00000E+01
42	1.02000E+02	0.00000E+00	3.00000E+01
43	1.17250E+02	0.00000E+00	3.00000E+01
44	1.20000E+02	0.00000E+00	3.00000E+01
45	0.00000E+00	0.00000E+00	4.20000E+01
46	2.75000E+00	0.00000E+00	4.20000E+01
47	1.65000E+01	0.00000E+00	4.20000E+01
48	7.95000E+01	0.00000E+00	4.20000E+01
49	9.00000E+01	0.00000E+00	4.20000E+01
50	1.02000E+02	0.00000E+00	4.20000E+01
51	1.17250E+02	0.00000E+00	4.20000E+01
52	1.20000E+02	0.00000E+00	4.20000E+01
53	0.00000E+00	0.00000E+00	5.40000E+01
54	2.75000E+00	0.00000E+00	5.40000E+01
55	1.65000E+01	0.00000E+00	5.40000E+01
56	7.95000E+01	0.00000E+00	5.40000E+01
57	9.00000E+01	0.00000E+00	5.40000E+01
58	1.02000E+02	0.00000E+00	5.40000E+01
59	1.17250E+02	0.00000E+00	5.40000E+01
60	1.20000E+02	0.00000E+00	5.40000E+01
61	0.00000E+00	0.00000E+00	6.60000E+01
62	2.75000E+00	0.00000E+00	6.60000E+01
63	1.65000E+01	0.00000E+00	6.60000E+01

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Node	X-Coord.	Y-Coord.	Z-Coord.
64	7.95000E+01	0.00000E+00	6.60000E+01
65	9.00000E+01	0.00000E+00	6.60000E+01
66	1.02000E+02	0.00000E+00	6.60000E+01
67	1.17250E+02	0.00000E+00	6.60000E+01
68	1.20000E+02	0.00000E+00	6.60000E+01
69	0.00000E+00	0.00000E+00	7.95000E+01
70	2.75000E+00	0.00000E+00	7.95000E+01
71	1.65000E+01	0.00000E+00	7.95000E+01
72	3.00000E+01	0.00000E+00	7.95000E+01
73	4.20000E+01	0.00000E+00	7.95000E+01
74	5.40000E+01	0.00000E+00	7.95000E+01
75	6.60000E+01	0.00000E+00	7.95000E+01
76	7.95000E+01	0.00000E+00	7.95000E+01
77	9.00000E+01	0.00000E+00	7.95000E+01
78	1.02000E+02	0.00000E+00	7.95000E+01
79	1.17250E+02	0.00000E+00	7.95000E+01
80	1.20000E+02	0.00000E+00	7.95000E+01
81	0.00000E+00	0.00000E+00	9.32500E+01
82	2.75000E+00	0.00000E+00	9.32500E+01
83	1.65000E+01	0.00000E+00	9.32500E+01
84	3.00000E+01	0.00000E+00	9.32500E+01
85	4.20000E+01	0.00000E+00	9.32500E+01
86	5.40000E+01	0.00000E+00	9.32500E+01
87	6.60000E+01	0.00000E+00	9.32500E+01
88	7.95000E+01	0.00000E+00	9.32500E+01
89	9.00000E+01	0.00000E+00	9.32500E+01
90	1.02000E+02	0.00000E+00	9.32500E+01
91	1.17250E+02	0.00000E+00	9.32500E+01
92	1.20000E+02	0.00000E+00	9.32500E+01
93	0.00000E+00	0.00000E+00	9.60000E+01
94	2.75000E+00	0.00000E+00	9.60000E+01
95	1.65000E+01	0.00000E+00	9.60000E+01
96	3.00000E+01	0.00000E+00	9.60000E+01
97	4.20000E+01	0.00000E+00	9.60000E+01
98	5.40000E+01	0.00000E+00	9.60000E+01
99	6.60000E+01	0.00000E+00	9.60000E+01
100	7.95000E+01	0.00000E+00	9.60000E+01
101	9.00000E+01	0.00000E+00	9.60000E+01
102	1.02000E+02	0.00000E+00	9.60000E+01
103	1.17250E+02	0.00000E+00	9.60000E+01
104	1.20000E+02	0.00000E+00	9.60000E+01
105	4.80000E+01	0.00000E+00	2.58750E+01

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Node	X-Coord.	Y-Coord.	Z-Coord.
106	4.22736E+01	0.00000E+00	2.66289E+01
107	3.69375E+01	0.00000E+00	2.88392E+01
108	3.23553E+01	0.00000E+00	3.23553E+01
109	2.88392E+01	0.00000E+00	3.69375E+01
110	2.66289E+01	0.00000E+00	4.22736E+01
111	2.58750E+01	0.00000E+00	4.80000E+01
112	2.66289E+01	0.00000E+00	5.37264E+01
113	2.88392E+01	0.00000E+00	5.90625E+01
114	3.23553E+01	0.00000E+00	6.36447E+01
115	3.69375E+01	0.00000E+00	6.71608E+01
116	4.22736E+01	0.00000E+00	6.93711E+01
117	4.80000E+01	0.00000E+00	7.01250E+01
118	5.37264E+01	0.00000E+00	6.93711E+01
119	5.90625E+01	0.00000E+00	6.71608E+01
120	6.36447E+01	0.00000E+00	6.36447E+01
121	6.71608E+01	0.00000E+00	5.90625E+01
122	6.93711E+01	0.00000E+00	5.37264E+01
123	7.01250E+01	0.00000E+00	4.80000E+01
124	6.93711E+01	0.00000E+00	4.22736E+01
125	6.71608E+01	0.00000E+00	3.69375E+01
126	6.36447E+01	0.00000E+00	3.23553E+01
127	5.90625E+01	0.00000E+00	2.88392E+01
128	5.37264E+01	0.00000E+00	2.66289E+01
129	0.00000E+00	-6.75000E+00	1.65000E+01
130	2.75000E+00	-6.75000E+00	1.65000E+01
131	1.65000E+01	-6.75000E+00	1.65000E+01
132	3.00000E+01	-6.75000E+00	1.65000E+01
133	4.20000E+01	-6.75000E+00	1.65000E+01
134	5.40000E+01	-6.75000E+00	1.65000E+01
135	6.60000E+01	-6.75000E+00	1.65000E+01
136	7.95000E+01	-6.75000E+00	1.65000E+01
137	9.00000E+01	-6.75000E+00	1.65000E+01
138	1.02000E+02	-6.75000E+00	1.65000E+01
139	1.17250E+02	-6.75000E+00	1.65000E+01
140	1.20000E+02	-6.75000E+00	1.65000E+01
141	0.00000E+00	-6.75000E+00	7.95000E+01
142	2.75000E+00	-6.75000E+00	7.95000E+01
143	1.65000E+01	-6.75000E+00	7.95000E+01
144	3.00000E+01	-6.75000E+00	7.95000E+01
145	4.20000E+01	-6.75000E+00	7.95000E+01
146	5.40000E+01	-6.75000E+00	7.95000E+01
147	6.60000E+01	-6.75000E+00	7.95000E+01

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Node	X-Coord.	Y-Coord.	Z-Coord.
148	7.95000E+01	-6.75000E+00	7.95000E+01
149	9.00000E+01	-6.75000E+00	7.95000E+01
150	1.02000E+02	-6.75000E+00	7.95000E+01
151	1.17250E+02	-6.75000E+00	7.95000E+01
152	1.20000E+02	-6.75000E+00	7.95000E+01
153	1.65000E+01	-6.75000E+00	0.00000E+00
154	1.65000E+01	-6.75000E+00	2.75000E+00
155	1.65000E+01	-6.75000E+00	3.00000E+01
156	1.65000E+01	-6.75000E+00	4.20000E+01
157	1.65000E+01	-6.75000E+00	5.40000E+01
158	1.65000E+01	-6.75000E+00	6.60000E+01
159	1.65000E+01	-6.75000E+00	9.32500E+01
160	1.65000E+01	-6.75000E+00	9.60000E+01
161	7.95000E+01	-6.75000E+00	0.00000E+00
162	7.95000E+01	-6.75000E+00	2.75000E+00
163	7.95000E+01	-6.75000E+00	3.00000E+01
164	7.95000E+01	-6.75000E+00	4.20000E+01
165	7.95000E+01	-6.75000E+00	5.40000E+01
166	7.95000E+01	-6.75000E+00	6.60000E+01
167	7.95000E+01	-6.75000E+00	9.32500E+01
168	7.95000E+01	-6.75000E+00	9.60000E+01
169	-4.50000E+00	-6.75000E+00	1.65000E+01
170	-4.50000E+00	-2.25000E+01	1.65000E+01
171	1.24500E+02	-6.75000E+00	1.65000E+01
172	1.24500E+02	-2.25000E+01	1.65000E+01
173	-4.50000E+00	-6.75000E+00	7.95000E+01
174	-4.50000E+00	-2.25000E+01	7.95000E+01
175	1.24500E+02	-6.75000E+00	7.95000E+01
176	1.24500E+02	-2.25000E+01	7.95000E+01
177	1.65000E+01	-6.75000E+00	-4.50000E+00
178	1.65000E+01	-2.25000E+01	-4.50000E+00
179	1.65000E+01	-6.75000E+00	1.00500E+02
180	1.65000E+01	-2.25000E+01	1.00500E+02
181	7.95000E+01	-6.75000E+00	-4.50000E+00
182	7.95000E+01	-2.25000E+01	-4.50000E+00
183	7.95000E+01	-6.75000E+00	1.18500E+02
184	7.95000E+01	-2.25000E+01	1.18500E+02
185	5.83750E+01	2.25000E+01	4.80000E+01
186	5.83750E+01	2.02500E+01	4.80000E+01
187	2.75000E+00	-6.75000E+00	2.75000E+00
188	3.00000E+01	-6.75000E+00	2.75000E+00
189	4.20000E+01	-6.75000E+00	2.75000E+00

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Node	X-Coord.	Y-Coord.	Z-Coord.
190	5.40000E+01	-6.75000E+00	2.75000E+00
191	6.60000E+01	-6.75000E+00	2.75000E+00
192	9.00000E+01	-6.75000E+00	2.75000E+00
193	1.02000E+02	-6.75000E+00	2.75000E+00
194	1.17250E+02	-6.75000E+00	2.75000E+00
195	2.75000E+00	-6.75000E+00	9.32500E+01
196	3.00000E+01	-6.75000E+00	9.32500E+01
197	4.20000E+01	-6.75000E+00	9.32500E+01
198	5.40000E+01	-6.75000E+00	9.32500E+01
199	6.60000E+01	-6.75000E+00	9.32500E+01
200	9.00000E+01	-6.75000E+00	9.32500E+01
201	1.02000E+02	-6.75000E+00	9.32500E+01
202	1.17250E+02	-6.75000E+00	9.32500E+01
203	2.75000E+00	-6.75000E+00	3.00000E+01
204	2.75000E+00	-6.75000E+00	4.20000E+01
205	2.75000E+00	-6.75000E+00	5.40000E+01
206	2.75000E+00	-6.75000E+00	6.60000E+01
207	1.17250E+02	-6.75000E+00	3.00000E+01
208	1.17250E+02	-6.75000E+00	4.20000E+01
209	1.17250E+02	-6.75000E+00	5.40000E+01
210	1.17250E+02	-6.75000E+00	6.60000E+01

BEAM PROPERTIES

Multiplier = 1 (For AISC database properties only)

Prop No	N a m e
1	W12X40
2	W8X31
3	W10X49
4	C12X20.7

Prop No	X-Section Area	Moment of Inertia Iy	Moment of Inertia Iz	Torsional Const.- J
1	1.180E+01	4.410E+01	3.100E+02	9.501E-01
2	9.138E+00	3.711E+01	1.100E+02	5.405E-01
3	1.441E+01	9.340E+01	2.720E+02	1.390E+00
4	6.091E+00	3.881E+00	1.290E+02	3.701E-01

Prop No	Max. Fiber Dist Cy	Max. Fiber Dist Cz	Shear Shape Fact SSFy	Shear Shape Fact SSFz	Ctors	Shear Stress Factor SSTRFy	Shear Stress Factor SSTRFz

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Prop No	Max. Fiber Dist Cy	/ Cz	Shear Shape Fact SSFy	/ SSFz	Ctors	Shear Stress Factor SSTRFy	/ SSTRFz
1	4.01E+00	5.97E+00	3.35E+00	1.43E+00	5.15E-01	3.60E+00	2.14E+00
2	4.00E+00	4.00E+00	4.01E+00	1.31E+00	4.35E-01	4.36E+00	1.97E+00
3	4.99E+00	4.98E+00	4.25E+00	1.29E+00	5.60E-01	4.63E+00	1.93E+00
4	2.24E+00	6.00E+00	1.80E+00	2.07E+00	5.01E-01	2.13E+00	3.66E+00

BEAM CONNECTIVITY

Beam No	Nodes From/	To /	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I	/ J	Length	Beam Type
1	129	130	25	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
2	130	131	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
3	131	132	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
4	132	133	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
5	133	134	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
6	134	135	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
7	135	136	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
8	136	137	25	1	3		0.00E+00	0.00E+00	0.11E+02	Beam
9	137	138	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
10	138	139	25	1	3		0.00E+00	0.00E+00	0.15E+02	Beam
11	139	140	25	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
12	141	142	69	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
13	142	143	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
14	143	144	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
15	144	145	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
16	145	146	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
17	146	147	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
18	147	148	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
19	148	149	69	1	3		0.00E+00	0.00E+00	0.11E+02	Beam
20	149	150	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
21	150	151	69	1	3		0.00E+00	0.00E+00	0.15E+02	Beam
22	151	152	69	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
23	153	154	3	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
24	154	131	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
25	131	155	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
26	155	156	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
27	156	157	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
28	157	158	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
29	158	143	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
30	143	159	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam

=============== I M A G E S 3 D ===============

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Beam No	Nodes From	To	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I	J	Length	Beam Type
31	159	160	3	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
32	161	162	8	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
33	162	136	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
34	136	163	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
35	163	164	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
36	164	165	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
37	165	166	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
38	166	148	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
39	148	167	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
40	167	168	8	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
41	129	169	170	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
42	169	170	129	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
43	140	171	172	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
44	171	172	140	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
45	141	173	174	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
46	173	174	141	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
47	152	175	176	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
48	175	176	152	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
49	153	177	178	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
50	177	178	153	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
51	160	179	180	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
52	179	180	160	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
53	161	181	182	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
54	181	182	161	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
55	168	183	184	1	3		0.00E+00	0.00E+00	0.23E+02	Beam
56	183	184	168	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
57	185	105	186	3	2	56	0.00E+00	0.00E+00	0.33E+02	Beam
58	185	107	186	3	2	56	0.00E+00	0.00E+00	0.37E+02	Beam
59	185	109	186	3	2	56	0.00E+00	0.00E+00	0.39E+02	Beam
60	185	111	186	3	2	56	0.00E+00	0.00E+00	0.40E+02	Beam
61	185	113	186	3	2	56	0.00E+00	0.00E+00	0.39E+02	Beam
62	185	115	186	3	2	56	0.00E+00	0.00E+00	0.37E+02	Beam
63	185	117	186	3	2	56	0.00E+00	0.00E+00	0.33E+02	Beam
64	185	119	186	3	2	56	0.00E+00	0.00E+00	0.30E+02	Beam
65	185	121	186	3	2	56	0.00E+00	0.00E+00	0.27E+02	Beam
66	185	123	186	3	2	56	0.00E+00	0.00E+00	0.25E+02	Beam
67	185	125	186	3	2	56	0.00E+00	0.00E+00	0.27E+02	Beam
68	185	127	186	3	2	56	0.00E+00	0.00E+00	0.30E+02	Beam
69	185	186	123	3	2		0.00E+00	0.00E+00	0.23E+01	Beam
70	187	154	15	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
71	154	188	16	4	3		0.00E+00	0.00E+00	0.14E+02	Beam

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Beam No	Nodes From/	To /	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I /	J	Length	Beam Type
72	188	189	17	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
73	189	190	18	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
74	190	191	19	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
75	191	162	20	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
76	162	192	21	4	3		0.00E+00	0.00E+00	0.11E+02	Beam
77	192	193	22	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
78	193	194	23	4	3		0.00E+00	0.00E+00	0.15E+02	Beam
79	202	201	90	4	3		0.00E+00	0.00E+00	0.15E+02	Beam
80	201	200	89	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
81	200	167	88	4	3		0.00E+00	0.00E+00	0.11E+02	Beam
82	167	199	87	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
83	199	198	86	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
84	198	197	85	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
85	197	196	84	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
86	196	159	83	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
87	159	195	82	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
88	187	130	26	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
89	130	203	38	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
90	203	204	46	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
91	204	205	54	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
92	205	206	62	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
93	206	142	70	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
94	142	195	82	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
95	202	151	79	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
96	151	210	67	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
97	210	209	59	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
98	209	208	51	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
99	208	207	43	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
100	207	139	35	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
101	139	194	23	4	3		0.00E+00	0.00E+00	0.14E+02	Beam

PLATE ELEMENT CONNECTIVITY

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	1	13	14	2	1	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	2	14	15	3	2	1	1.500E+00	3.781E+01		5.000E+00	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	3	15	16	4	3	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	4	16	17	5	4	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	5	17	18	6	5	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	6	18	19	7	6	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	7	19	20	8	7	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	8	20	21	9	8	1	1.500E+00	2.888E+01		3.818E+00	M+B
QUAD	9	21	22	10	9	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	10	22	23	11	10	1	1.500E+00	4.194E+01		5.545E+00	M+B
QUAD	11	23	24	12	11	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	12	25	26	14	13	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	13	26	27	15	14	1	1.500E+00	1.891E+02		1.000E+00	M+B
QUAD	14	27	28	16	15	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	15	28	29	17	16	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	16	29	30	18	17	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	17	30	31	19	18	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	18	31	32	20	19	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	19	32	33	21	20	1	1.500E+00	1.444E+02		7.636E-01	M+B
QUAD	20	33	34	22	21	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	21	34	35	23	22	1	1.500E+00	2.097E+02		1.109E+00	M+B
QUAD	22	35	36	24	23	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	23	37	38	26	25	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	24	38	39	27	26	1	1.500E+00	1.856E+02		1.019E+00	M+B
QUAD	25	40	41	33	32	1	1.500E+00	1.418E+02		7.778E-01	M+B
QUAD	26	41	42	34	33	1	1.500E+00	1.620E+02		8.889E-01	M+B
QUAD	27	42	43	35	34	1	1.500E+00	2.059E+02		1.130E+00	M+B
QUAD	28	43	44	36	35	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	29	45	46	38	37	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	30	46	47	39	38	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	31	48	49	41	40	1	1.500E+00	1.260E+02		8.750E-01	M+B
QUAD	32	49	50	42	41	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	33	50	51	43	42	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	34	51	52	44	43	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	35	53	54	46	45	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	36	54	55	47	46	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	37	56	57	49	48	1	1.500E+00	1.260E+02		8.750E-01	M+B
QUAD	38	57	58	50	49	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	39	58	59	51	50	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	40	59	60	52	51	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	41	61	62	54	53	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	42	62	63	55	54	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	43	64	65	57	56	1	1.500E+00	1.260E+02		8.750E-01	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	44	65	66	58	57	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	45	66	67	59	58	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	46	67	68	60	59	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	47	69	70	62	61	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	48	70	71	63	62	1	1.500E+00	1.856E+02		1.019E+00	M+B
QUAD	49	76	77	65	64	1	1.500E+00	1.418E+02		7.778E-01	M+B
QUAD	50	77	78	66	65	1	1.500E+00	1.620E+02		8.889E-01	M+B
QUAD	51	78	79	67	66	1	1.500E+00	2.059E+02		1.130E+00	M+B
QUAD	52	79	80	68	67	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	53	81	82	70	69	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	54	82	83	71	70	1	1.500E+00	1.891E+02		1.000E+00	M+B
QUAD	55	83	84	72	71	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	56	84	85	73	72	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	57	85	86	74	73	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	58	86	87	75	74	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	59	87	88	76	75	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	60	88	89	77	76	1	1.500E+00	1.444E+02		7.636E-01	M+B
QUAD	61	89	90	78	77	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	62	90	91	79	78	1	1.500E+00	2.097E+02		1.109E+00	M+B
QUAD	63	91	92	80	79	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	64	93	94	82	81	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	65	94	95	83	82	1	1.500E+00	3.781E+01		5.000E+00	M+B
QUAD	66	95	96	84	83	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	67	96	97	85	84	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	68	97	98	86	85	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	69	98	99	87	86	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	70	99	100	88	87	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	71	100	101	89	88	1	1.500E+00	2.888E+01		3.818E+00	M+B
QUAD	72	101	102	90	89	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	73	102	103	91	90	1	1.500E+00	4.194E+01		5.545E+00	M+B
QUAD	74	103	104	92	91	1	1.500E+00	7.563E+00		1.000E+00	M+B
TRI	75	105	30	29		1	1.500E+00	5.625E+01		1.097E+00	M+B
TRI	76	106	105	29		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	77	107	106	29	28	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	78	108	107	28	27	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	79	109	108	27	39	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	80	110	109	39	47	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	81	111	110	47		1	1.500E+00	2.910E+01		5.638E-01	M+B
TRI	82	111	47	55		1	1.500E+00	5.625E+01		1.097E+00	M+B
TRI	83	112	111	55		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	84	113	112	55	63	1	1.500E+00	1.014E+02		7.406E-01	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	85	114	113	63	71	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	86	115	114	71	72	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	87	116	115	72	73	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	88	73	117	116		1	1.500E+00	2.910E+01		1.829E+00	M+B
TRI	89	73	74	117		1	1.500E+00	5.625E+01		1.280E+00	M+B
TRI	90	74	118	117		1	1.500E+00	2.910E+01		1.392E+00	M+B
QUAD	91	74	75	119	118	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	92	75	76	120	119	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	93	76	64	121	120	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	94	64	56	122	121	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	95	56	123	122		1	1.500E+00	2.910E+01		1.829E+00	M+B
TRI	96	56	48	123		1	1.500E+00	5.625E+01		1.280E+00	M+B
TRI	97	48	124	123		1	1.500E+00	2.910E+01		1.392E+00	M+B
QUAD	98	48	40	125	124	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	99	40	32	126	125	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	100	32	31	127	126	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	101	128	127	31	30	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	102	105	128	30		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	103	129	130	26	25	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	104	130	131	27	26	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	105	131	132	28	27	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	106	132	133	29	28	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	107	133	134	30	29	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	108	134	135	31	30	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	109	135	136	32	31	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	110	136	137	33	32	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	111	137	138	34	33	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	112	138	139	35	34	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	113	139	140	36	35	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	114	141	142	70	69	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	115	142	143	71	70	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	116	143	144	72	71	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	117	144	145	73	72	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	118	145	146	74	73	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	119	146	147	75	74	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	120	147	148	76	75	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	121	148	149	77	76	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	122	149	150	78	77	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	123	150	151	79	78	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	124	151	152	80	79	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	125	154	153	3	15	3	2.500E-01	1.856E+01		4.074E-01	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	126	131	154	15	27	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	127	155	131	27	39	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	128	156	155	39	47	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	129	157	156	47	55	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	130	158	157	55	63	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	131	143	158	63	71	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	132	159	143	71	83	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	133	160	159	83	95	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	134	162	161	8	20	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	135	136	162	20	32	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	136	163	136	32	40	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	137	164	163	40	48	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	138	165	164	48	56	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	139	166	165	56	64	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	140	148	166	64	76	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	141	167	148	76	88	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	142	168	167	88	100	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	143	187	154	15	14	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	144	154	188	16	15	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	145	188	189	17	16	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	146	189	190	18	17	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	147	190	191	19	18	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	148	191	162	20	19	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	149	162	192	21	20	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	150	192	193	22	21	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	151	193	194	23	22	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	152	195	159	83	82	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	153	159	196	84	83	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	154	196	197	85	84	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	155	197	198	86	85	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	156	198	199	87	86	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	157	199	167	88	87	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	158	167	200	89	88	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	159	200	201	90	89	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	160	201	202	91	90	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	161	130	187	14	26	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	162	203	130	26	38	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	163	204	203	38	46	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	164	205	204	46	54	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	165	206	205	54	62	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	166	142	206	62	70	3	2.500E-01	9.113E+01		2.000E+00	M+B

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	167	195	142	70	82	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	168	139	194	23	35	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	169	207	139	35	43	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	170	208	207	43	51	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	171	209	208	51	59	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	172	210	209	59	67	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	173	151	210	67	79	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	174	202	151	79	91	3	2.500E-01	9.281E+01		2.037E+00	M+B

SPRING ELEMENTS

Spring No	Nodes From/	To	Direction	Stiffness No.	Spring Type
1	130	NA	Y	1	NL G
2	139	NA	Y	1	NL G
3	142	NA	Y	1	NL G
4	151	NA	Y	1	NL G
5	154	NA	Y	1	NL G
6	159	NA	Y	1	NL G
7	162	NA	Y	1	NL G
8	167	NA	Y	1	NL G
9	187	NA	Y	1	NL G
10	188	NA	Y	1	NL G
11	189	NA	Y	1	NL G
12	190	NA	Y	1	NL G
13	191	NA	Y	1	NL G
14	192	NA	Y	1	NL G
15	193	NA	Y	1	NL G
16	194	NA	Y	1	NL G
17	195	NA	Y	1	NL G

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Spring No	Nodes From/ To		Direction	Stiffness No.	Spring Type
18	196	NA	Y	1	NL G
19	197	NA	Y	1	NL G
20	198	NA	Y	1	NL G
21	199	NA	Y	1	NL G
22	200	NA	Y	1	NL G
23	201	NA	Y	1	NL G
24	202	NA	Y	1	NL G
25	203	NA	Y	1	NL G
26	204	NA	Y	1	NL G
27	205	NA	Y	1	NL G
28	206	NA	Y	1	NL G
29	207	NA	Y	1	NL G
30	208	NA	Y	1	NL G
31	209	NA	Y	1	NL G
32	210	NA	Y	1	NL G

RESTRAINTS

Node No	Global/Local	Restraint Directions
172	GLOBAL	X - - - - -
176	GLOBAL	X - - - - -
180	GLOBAL	- - Z - - -
184	GLOBAL	- - Z - - -

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

ROTATIONAL DEGREES OF FREEDOM IN LOCAL COORDINATES

Node	Local T1 axis X	Local T1 axis Y	Local T1 axis Z	/	Local T2 axis X	Local T2 axis Y	Local T2 axis Z
1	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
2	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
4	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
5	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
6	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
7	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
9	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
10	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
11	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
12	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
13	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
24	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
37	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
41	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
42	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
44	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
45	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
49	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
50	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
52	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
53	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
57	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
58	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
60	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
61	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
65	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
66	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
68	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
81	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
92	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
93	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
94	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
96	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
97	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
98	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
99	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
101	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
102	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
103	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01
104	.1000E+01	.0000E+00	.0000E+00	/	.0000E+00	.0000E+00	-.1000E+01

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	Local T1 axis X	Local T1 axis Y	Local T1 axis Z	/	Local T2 axis X	Local T2 axis Y	Local T2 axis Z
106	.9536E+00	.0000E+00	-.3012E+00	/	-.3012E+00	.0000E+00	-.9536E+00
108	.7071E+00	.0000E+00	-.7071E+00	/	-.7071E+00	.0000E+00	-.7071E+00
110	.3012E+00	.0000E+00	-.9536E+00	/	-.9536E+00	.0000E+00	-.3012E+00
112	-.3012E+00	.0000E+00	-.9536E+00	/	-.9536E+00	.0000E+00	.3012E+00
114	-.7071E+00	.0000E+00	-.7071E+00	/	-.7071E+00	.0000E+00	.7071E+00
116	-.9995E+00	.0000E+00	.3033E-01	/	.3033E-01	.0000E+00	.9995E+00
118	-.8978E+00	.0000E+00	-.4404E+00	/	-.4404E+00	.0000E+00	.8978E+00
120	.7071E+00	.0000E+00	-.7071E+00	/	-.7071E+00	.0000E+00	-.7071E+00
122	-.3136E+00	.0000E+00	-.9495E+00	/	-.9495E+00	.0000E+00	.3136E+00
124	-.4404E+00	.0000E+00	.8978E+00	/	.8978E+00	.0000E+00	.4404E+00
126	-.7071E+00	.0000E+00	-.7071E+00	/	-.7071E+00	.0000E+00	.7071E+00
128	.9536E+00	.0000E+00	.3012E+00	/	.3012E+00	.0000E+00	-.9536E+00

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

STIFFNESS ASSEMBLY SUMMARY

Number of Node Points.................	210
Number of Truss and Beam Elements.....	101
Number of Plate Elements..............	174
Number of Spring Elements.............	32
Number of Solid Elements..............	0
Number of Axisymmetric Elements.......	0
Number of Nodes with Restraints.......	4
Number of Equations to be Solved......	1204
Number of Blocks in the Matrix........	8

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

BLCK NO	SIZE (Byte)	BLCK NO	SIZE (Byte)	BLCK NO	SIZE (Byte)	BLCK NO	SIZE (Byte)
1	143400	2	142720	3	142824	4	142464
5	141440	6	142840	7	143328	8	90616

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

E Q U A T I O N N U M B E R L I S T

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
1	194	1106	1107	1108	1109	1110	0
2	193	1101	1102	1103	1104	1105	0
3	192	1095	1096	1097	1098	1099	1100
4	189	1078	1079	1080	1081	1082	0
5	172	980	981	982	983	984	0
6	157	894	895	896	897	898	0
7	125	710	711	712	713	714	0
8	83	464	465	466	467	468	469
9	45	250	251	252	253	254	0
10	44	245	246	247	248	249	0
11	29	157	158	159	160	161	0
12	20	106	107	108	109	110	0
13	204	1164	1165	1166	1167	1168	0
14	203	1158	1159	1160	1161	1162	1163
15	201	1146	1147	1148	1149	1150	1151
16	188	1072	1073	1074	1075	1076	1077
17	170	968	969	970	971	972	973
18	142	805	806	807	808	809	810
19	120	682	683	684	685	686	687
20	84	470	471	472	473	474	475
21	82	458	459	460	461	462	463
22	46	255	256	257	258	259	260
23	26	139	140	141	142	143	144
24	16	84	85	86	87	88	0
25	207	1181	1182	1183	1184	1185	1186
26	205	1169	1170	1171	1172	1173	1174
27	200	1140	1141	1142	1143	1144	1145
28	186	1060	1061	1062	1063	1064	1065
29	169	962	963	964	965	966	967
30	141	799	800	801	802	803	804
31	119	676	677	678	679	680	681
32	112	634	635	636	637	638	639
33	85	476	477	478	479	480	481
34	47	261	262	263	264	265	266
35	24	127	128	129	130	131	132
36	6	29	30	31	32	33	34
37	196	1117	1118	1119	1120	1121	0
38	198	1128	1129	1130	1131	1132	1133
39	197	1122	1123	1124	1125	1126	1127
40	118	670	671	672	673	674	675

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
41	88	494	495	496	497	498	0
42	51	285	286	287	288	289	0
43	25	133	134	135	136	137	138
44	15	79	80	81	82	83	0
45	176	1003	1004	1005	1006	1007	0
46	178	1014	1015	1016	1017	1018	1019
47	181	1031	1032	1033	1034	1035	1036
48	117	664	665	666	667	668	669
49	91	511	512	513	514	515	0
50	59	330	331	332	333	334	0
51	33	180	181	182	183	184	185
52	14	74	75	76	77	78	0
53	163	928	929	930	931	932	0
54	161	916	917	918	919	920	921
55	160	910	911	912	913	914	915
56	116	658	659	660	661	662	663
57	94	528	529	530	531	532	0
58	61	341	342	343	344	345	0
59	34	186	187	188	189	190	191
60	13	69	70	71	72	73	0
61	156	889	890	891	892	893	0
62	140	793	794	795	796	797	798
63	139	787	788	789	790	791	792
64	115	652	653	654	655	656	657
65	97	545	546	547	548	549	0
66	63	351	352	353	354	355	0
67	36	198	199	200	201	202	203
68	12	64	65	66	67	68	0
69	130	735	736	737	738	739	740
70	131	741	742	743	744	745	746
71	133	753	754	755	756	757	758
72	137	776	777	778	779	780	781
73	136	770	771	772	773	774	775
74	114	646	647	648	649	650	651
75	113	640	641	642	643	644	645
76	111	628	629	630	631	632	633
77	102	574	575	576	577	578	579
78	66	368	369	370	371	372	373
79	35	192	193	194	195	196	197
80	5	23	24	25	26	27	28

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
81	77	429	430	431	432	433	0
82	76	423	424	425	426	427	428
83	80	446	447	448	449	450	451
84	89	499	500	501	502	503	504
85	92	516	517	518	519	520	521
86	95	533	534	535	536	537	538
87	99	556	557	558	559	560	561
88	101	568	569	570	571	572	573
89	98	550	551	552	553	554	555
90	70	390	391	392	393	394	395
91	37	204	205	206	207	208	209
92	11	59	60	61	62	63	0
93	56	314	315	316	317	318	0
94	57	319	320	321	322	323	0
95	60	335	336	337	338	339	340
96	62	346	347	348	349	350	0
97	68	380	381	382	383	384	0
98	71	396	397	398	399	400	0
99	73	406	407	408	409	410	0
100	74	411	412	413	414	415	416
101	72	401	402	403	404	405	0
102	69	385	386	387	388	389	0
103	40	222	223	224	225	226	0
104	19	101	102	103	104	105	0
105	155	883	884	885	886	887	888
106	168	957	958	959	960	961	0
107	183	1043	1044	1045	1046	1047	1048
108	185	1055	1056	1057	1058	1059	0
109	182	1037	1038	1039	1040	1041	1042
110	180	1026	1027	1028	1029	1030	0
111	165	939	940	941	942	943	944
112	158	899	900	901	902	903	0
113	148	841	842	843	844	845	846
114	135	765	766	767	768	769	0
115	147	835	836	837	838	839	840
116	138	782	783	784	785	786	0
117	154	877	878	879	880	881	882
118	129	730	731	732	733	734	0
119	146	829	830	831	832	833	834
120	124	705	706	707	708	709	0

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
121	145	823	824	825	826	827	828
122	128	725	726	727	728	729	0
123	153	871	872	873	874	875	876
124	127	720	721	722	723	724	0
125	144	817	818	819	820	821	822
126	123	700	701	702	703	704	0
127	143	811	812	813	814	815	816
128	126	715	716	717	718	719	0
129	208	1187	1188	1189	1190	1191	1192
130	206	1175	1176	1177	1178	1179	1180
131	199	1134	1135	1136	1137	1138	1139
132	184	1049	1050	1051	1052	1053	1054
133	167	951	952	953	954	955	956
134	152	865	866	867	868	869	870
135	122	694	695	696	697	698	699
136	90	505	506	507	508	509	510
137	87	488	489	490	491	492	493
138	48	267	268	269	270	271	272
139	27	145	146	147	148	149	150
140	18	95	96	97	98	99	100
141	79	440	441	442	443	444	445
142	132	747	748	749	750	751	752
143	134	759	760	761	762	763	764
144	110	622	623	624	625	626	627
145	109	616	617	618	619	620	621
146	108	610	611	612	613	614	615
147	107	604	605	606	607	608	609
148	106	598	599	600	601	602	603
149	105	592	593	594	595	596	597
150	64	356	357	358	359	360	361
151	38	210	211	212	213	214	215
152	17	89	90	91	92	93	94
153	190	1083	1084	1085	1086	1087	1088
154	191	1089	1090	1091	1092	1093	1094
155	179	1020	1021	1022	1023	1024	1025
156	177	1008	1009	1010	1011	1012	1013
157	164	933	934	935	936	937	938
158	151	859	860	861	862	863	864
159	81	452	453	454	455	456	457
160	58	324	325	326	327	328	329

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
161	50	279	280	281	282	283	284
162	86	482	483	484	485	486	487
163	93	522	523	524	525	526	527
164	96	539	540	541	542	543	544
165	100	562	563	564	565	566	567
166	104	586	587	588	589	590	591
167	103	580	581	582	583	584	585
168	75	417	418	419	420	421	422
169	209	1193	1194	1195	1196	1197	1198
170	210	1199	1200	1201	1202	1203	1204
171	4	17	18	19	20	21	22
172	2	0	6	7	8	9	10
173	42	233	234	235	236	237	238
174	31	168	169	170	171	172	173
175	3	11	12	13	14	15	16
176	1	0	1	2	3	4	5
177	173	985	986	987	988	989	990
178	159	904	905	906	907	908	909
179	32	174	175	176	177	178	179
180	22	117	118	0	119	120	121
181	30	162	163	164	165	166	167
182	21	111	112	113	114	115	116
183	41	227	228	229	230	231	232
184	23	122	123	0	124	125	126
185	166	945	946	947	948	949	950
186	174	991	992	993	994	995	996
187	202	1152	1153	1154	1155	1156	1157
188	187	1066	1067	1068	1069	1070	1071
189	171	974	975	976	977	978	979
190	150	853	854	855	856	857	858
191	121	688	689	690	691	692	693
192	49	273	274	275	276	277	278
193	43	239	240	241	242	243	244
194	28	151	152	153	154	155	156
195	78	434	435	436	437	438	439
196	52	290	291	292	293	294	295
197	53	296	297	298	299	300	301
198	54	302	303	304	305	306	307
199	55	308	309	310	311	312	313
200	67	374	375	376	377	378	379

ASSEMBLE STIFFNESS MATRIX Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

NODE		TRANSLATION			ROTATION		
WAS	IS	X	Y	Z	X	Y	Z
201	65	362	363	364	365	366	367
202	39	216	217	218	219	220	221
203	195	1111	1112	1113	1114	1115	1116
204	175	997	998	999	1000	1001	1002
205	162	922	923	924	925	926	927
206	149	847	848	849	850	851	852
207	10	53	54	55	56	57	58
208	9	47	48	49	50	51	52
209	8	41	42	43	44	45	46
210	7	35	36	37	38	39	40

STIFFNESS SUMMARY IN 8 BLOCKS

Minimum Diagonal Stiffness..... .3960D+06
Eq No of Minimum Diagonal...... 4
Maximum Diagonal Stiffness..... .2418D+12
Eq No of Maximum Diagonal...... 950

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1

DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

GRAVITY LOADING

Direction	Gravity Factor	Load Factor
X	-.4020E+00	.1000E+01
Y	-.1268E+01	.1000E+01
Z	-.4020E+00	.1000E+01

INERTIA LOADING

Direction	Translational Accel.	Rotational Accel.	Rotational Velocity	Origin
X	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Y	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Z	.0000E+00	.0000E+00	.0000E+00	.0000E+00

Gravity Acceleration = .3864E+03

CONCENTRATED LOADS

Node	Fx	Fy	Fz	Mx	My	Mz
185	-.1812E+04	-.5715E+04	-.1812E+04	.0000E+00	.0000E+00	.0000E+00

REFERENCE TEMPERATURE = .0000E+00

PLATE TEMPERATURES/PRESSURES

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
1	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
2	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

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SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
3	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
4	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
5	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
6	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
7	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
8	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
9	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
10	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
11	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
12	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
13	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
14	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
15	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
16	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
17	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
18	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
19	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
20	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
21	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
22	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
23	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
24	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
25	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
26	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
27	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
28	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
29	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
30	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
31	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
32	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
33	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
34	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
35	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
36	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
37	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
38	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
39	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
40	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
41	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
42	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
43	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
44	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
45	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
46	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
47	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
48	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
49	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
50	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
51	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
52	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
53	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
54	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
55	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
56	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
57	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
58	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
59	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
60	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
61	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
62	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
-----	-----	-----	-----	-----
63	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
64	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
65	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
66	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
67	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
68	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
69	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
70	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
71	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
72	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
73	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
74	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
75	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
76	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
77	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
78	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
79	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
80	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
81	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
82	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

LOAD CASE 1

DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
83	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
84	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
85	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
86	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
87	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
88	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
89	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
90	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
91	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
92	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
93	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
94	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
95	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
96	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
97	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
98	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
99	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
100	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
101	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
102	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
1	-.7983E+00	-.3306E+01	-.7983E+00	.0000E+00	.0000E+00	.0000E+00
2	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
3	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
4	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
5	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
6	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
7	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
8	-.7099E+01	-.2927E+02	-.7099E+01	.0000E+00	.0000E+00	.0000E+00
9	-.6531E+01	-.2705E+02	-.6531E+01	.0000E+00	.0000E+00	.0000E+00
10	-.7910E+01	-.3276E+02	-.7910E+01	.0000E+00	.0000E+00	.0000E+00
11	-.5225E+01	-.2164E+02	-.5225E+01	.0000E+00	.0000E+00	.0000E+00
12	-.7983E+00	-.3306E+01	-.7983E+00	.0000E+00	.0000E+00	.0000E+00
13	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
14	-.3006E+02	-.1232E+03	-.3006E+02	.0000E+00	.0000E+00	.0000E+00
15	-.4956E+02	-.2032E+03	-.4956E+02	.0000E+00	.0000E+00	.0000E+00
16	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
17	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
18	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
19	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
20	-.4374E+02	-.1792E+03	-.4374E+02	.0000E+00	.0000E+00	.0000E+00
21	-.4027E+02	-.1657E+03	-.4027E+02	.0000E+00	.0000E+00	.0000E+00
22	-.4877E+02	-.2007E+03	-.4877E+02	.0000E+00	.0000E+00	.0000E+00
23	-.3274E+02	-.1342E+03	-.3274E+02	.0000E+00	.0000E+00	.0000E+00
24	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
25	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
26	-.4956E+02	-.2032E+03	-.4956E+02	.0000E+00	.0000E+00	.0000E+00
27	-.9758E+02	-.4015E+03	-.9758E+02	.0000E+00	.0000E+00	.0000E+00
28	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
29	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
30	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
31	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
32	-.8808E+02	-.3623E+03	-.8808E+02	.0000E+00	.0000E+00	.0000E+00
33	-.6580E+02	-.2714E+03	-.6580E+02	.0000E+00	.0000E+00	.0000E+00
34	-.7969E+02	-.3287E+03	-.7969E+02	.0000E+00	.0000E+00	.0000E+00
35	-.5395E+02	-.2213E+03	-.5395E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
36	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
37	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
38	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
39	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
40	-.5807E+02	-.2393E+03	-.5807E+02	.0000E+00	.0000E+00	.0000E+00
41	-.6056E+02	-.2508E+03	-.6056E+02	.0000E+00	.0000E+00	.0000E+00
42	-.7335E+02	-.3037E+03	-.7335E+02	.0000E+00	.0000E+00	.0000E+00
43	-.4967E+02	-.2045E+03	-.4967E+02	.0000E+00	.0000E+00	.0000E+00
44	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
45	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
46	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
47	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
48	-.5117E+02	-.2108E+03	-.5117E+02	.0000E+00	.0000E+00	.0000E+00
49	-.5700E+02	-.2360E+03	-.5700E+02	.0000E+00	.0000E+00	.0000E+00
50	-.6903E+02	-.2859E+03	-.6903E+02	.0000E+00	.0000E+00	.0000E+00
51	-.4675E+02	-.1925E+03	-.4675E+02	.0000E+00	.0000E+00	.0000E+00
52	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
53	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
54	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
55	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
56	-.5117E+02	-.2108E+03	-.5117E+02	.0000E+00	.0000E+00	.0000E+00
57	-.5700E+02	-.2360E+03	-.5700E+02	.0000E+00	.0000E+00	.0000E+00
58	-.6903E+02	-.2859E+03	-.6903E+02	.0000E+00	.0000E+00	.0000E+00
59	-.4675E+02	-.1925E+03	-.4675E+02	.0000E+00	.0000E+00	.0000E+00
60	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
61	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
62	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
63	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
64	-.5807E+02	-.2393E+03	-.5807E+02	.0000E+00	.0000E+00	.0000E+00
65	-.6056E+02	-.2508E+03	-.6056E+02	.0000E+00	.0000E+00	.0000E+00
66	-.7335E+02	-.3037E+03	-.7335E+02	.0000E+00	.0000E+00	.0000E+00
67	-.4967E+02	-.2045E+03	-.4967E+02	.0000E+00	.0000E+00	.0000E+00
68	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
69	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
70	-.4956E+02	-.2032E+03	-.4956E+02	.0000E+00	.0000E+00	.0000E+00
71	-.9758E+02	-.4015E+03	-.9758E+02	.0000E+00	.0000E+00	.0000E+00
72	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
73	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
74	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
75	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00

=============== I M A G E S 3 D ===============

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SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
76	-.8808E+02	-.3623E+03	-.8808E+02	.0000E+00	.0000E+00	.0000E+00
77	-.6580E+02	-.2714E+03	-.6580E+02	.0000E+00	.0000E+00	.0000E+00
78	-.7969E+02	-.3287E+03	-.7969E+02	.0000E+00	.0000E+00	.0000E+00
79	-.5395E+02	-.2213E+03	-.5395E+02	.0000E+00	.0000E+00	.0000E+00
80	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
81	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
82	-.3006E+02	-.1232E+03	-.3006E+02	.0000E+00	.0000E+00	.0000E+00
83	-.4956E+02	-.2032E+03	-.4956E+02	.0000E+00	.0000E+00	.0000E+00
84	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
85	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
86	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
87	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
88	-.4374E+02	-.1792E+03	-.4374E+02	.0000E+00	.0000E+00	.0000E+00
89	-.4027E+02	-.1657E+03	-.4027E+02	.0000E+00	.0000E+00	.0000E+00
90	-.4877E+02	-.2007E+03	-.4877E+02	.0000E+00	.0000E+00	.0000E+00
91	-.3274E+02	-.1342E+03	-.3274E+02	.0000E+00	.0000E+00	.0000E+00
92	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
93	-.7983E+00	-.3306E+01	-.7983E+00	.0000E+00	.0000E+00	.0000E+00
94	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
95	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
96	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
97	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
98	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
99	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
100	-.7099E+01	-.2927E+02	-.7099E+01	.0000E+00	.0000E+00	.0000E+00
101	-.6531E+01	-.2705E+02	-.6531E+01	.0000E+00	.0000E+00	.0000E+00
102	-.7910E+01	-.3276E+02	-.7910E+01	.0000E+00	.0000E+00	.0000E+00
103	-.5225E+01	-.2164E+02	-.5225E+01	.0000E+00	.0000E+00	.0000E+00
104	-.7983E+00	-.3306E+01	-.7983E+00	.0000E+00	.0000E+00	.0000E+00
105	-.1611E+02	-.6671E+02	-.1611E+02	.0000E+00	.0000E+00	.0000E+00
106	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
107	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
108	-.2979E+02	-.1234E+03	-.2979E+02	.0000E+00	.0000E+00	.0000E+00
109	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
110	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
111	-.1611E+02	-.6671E+02	-.1611E+02	.0000E+00	.0000E+00	.0000E+00
112	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
113	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
114	-.2979E+02	-.1234E+03	-.2979E+02	.0000E+00	.0000E+00	.0000E+00
115	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
116	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
117	-.1611E+02	-.6671E+02	-.1611E+02	.0000E+00	.0000E+00	.0000E+00
118	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
119	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
120	-.2979E+02	-.1234E+03	-.2979E+02	.0000E+00	.0000E+00	.0000E+00
121	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
122	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
123	-.1611E+02	-.6671E+02	-.1611E+02	.0000E+00	.0000E+00	.0000E+00
124	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
125	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
126	-.2979E+02	-.1234E+03	-.2979E+02	.0000E+00	.0000E+00	.0000E+00
127	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
128	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
129	-.4999E+01	-.1577E+02	-.4999E+01	.0000E+00	-.1419E+01	.4477E+01
130	-.2262E+02	-.7134E+02	-.2262E+02	-.1241E+01	.2070E+02	-.6405E+02
131	-.3920E+02	-.1236E+03	-.3920E+02	-.2404E+01	.0000E+00	.2404E+01
132	-.1834E+02	-.5785E+02	-.1834E+02	.0000E+00	-.4279E+01	.1350E+02
133	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
134	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
135	-.1834E+02	-.5785E+02	-.1834E+02	.0000E+00	.4279E+01	-.1350E+02
136	-.3686E+02	-.1163E+03	-.3686E+02	-.2404E+01	-.7293E+01	.2541E+02
137	-.1618E+02	-.5105E+02	-.1618E+02	.0000E+00	.3776E+01	-.1191E+02
138	-.1960E+02	-.6182E+02	-.1960E+02	.0000E+00	.9908E+01	-.3125E+02
139	-.2370E+02	-.7474E+02	-.2370E+02	-.1241E+01	-.2478E+02	.7940E+02
140	-.4999E+01	-.1577E+02	-.4999E+01	.0000E+00	.1419E+01	-.4477E+01
141	-.4999E+01	-.1577E+02	-.4999E+01	.0000E+00	-.1419E+01	.4477E+01
142	-.2262E+02	-.7134E+02	-.2262E+02	.1241E+01	.1991E+02	-.6405E+02
143	-.3920E+02	-.1236E+03	-.3920E+02	.2404E+01	-.1524E+01	.2404E+01
144	-.1834E+02	-.5785E+02	-.1834E+02	.0000E+00	-.4279E+01	.1350E+02
145	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
146	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
147	-.1834E+02	-.5785E+02	-.1834E+02	.0000E+00	.4279E+01	-.1350E+02
148	-.3686E+02	-.1163E+03	-.3686E+02	.2404E+01	-.8818E+01	.2541E+02
149	-.1618E+02	-.5105E+02	-.1618E+02	.0000E+00	.3776E+01	-.1191E+02
150	-.1960E+02	-.6182E+02	-.1960E+02	.0000E+00	.9908E+01	-.3125E+02
151	-.2370E+02	-.7474E+02	-.2370E+02	.1241E+01	-.2557E+02	.7940E+02
152	-.4999E+01	-.1577E+02	-.4999E+01	.0000E+00	.1419E+01	-.4477E+01
153	-.4999E+01	-.1577E+02	-.4999E+01	-.4477E+01	.1419E+01	.0000E+00
154	-.2262E+02	-.7134E+02	-.2262E+02	.6405E+02	-.2070E+02	.1241E+01
155	-.1834E+02	-.5785E+02	-.1834E+02	-.1350E+02	.4279E+01	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
156	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
157	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
158	-.1834E+02	-.5785E+02	-.1834E+02	.1350E+02	-.4279E+01	.0000E+00
159	-.2262E+02	-.7134E+02	-.2262E+02	-.6405E+02	.1991E+02	.1241E+01
160	-.4999E+01	-.1577E+02	-.4999E+01	.4477E+01	-.1419E+01	.0000E+00
161	-.4999E+01	-.1577E+02	-.4999E+01	-.4477E+01	.1419E+01	.0000E+00
162	-.2134E+02	-.6730E+02	-.2134E+02	.6405E+02	-.2446E+02	.1311E+02
163	-.1834E+02	-.5785E+02	-.1834E+02	-.1350E+02	.4279E+01	.0000E+00
164	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
165	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
166	-.1834E+02	-.5785E+02	-.1834E+02	.1350E+02	-.4279E+01	.0000E+00
167	-.2134E+02	-.6730E+02	-.2134E+02	-.6405E+02	.1615E+02	.1311E+02
168	-.1708E+02	-.5388E+02	-.1708E+02	.1760E+03	-.5579E+02	.0000E+00
169	-.1121E+02	-.3535E+02	-.1121E+02	.2149E+02	.2266E+01	-.2864E+02
170	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
171	-.1121E+02	-.3535E+02	-.1121E+02	.2149E+02	-.2266E+01	-.1434E+02
172	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
173	-.1121E+02	-.3535E+02	-.1121E+02	.2149E+02	.2266E+01	-.2864E+02
174	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
175	-.1121E+02	-.3535E+02	-.1121E+02	.2149E+02	-.2266E+01	-.1434E+02
176	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
177	-.1121E+02	-.3535E+02	-.1121E+02	.2864E+02	-.2266E+01	-.2149E+02
178	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
179	-.1121E+02	-.3535E+02	-.1121E+02	.1434E+02	.2266E+01	-.2149E+02
180	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
181	-.1121E+02	-.3535E+02	-.1121E+02	.2864E+02	-.2266E+01	-.2149E+02
182	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
183	-.2329E+02	-.7346E+02	-.2329E+02	-.1572E+03	.5664E+02	-.2149E+02
184	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
185	-.1812E+04	-.5715E+04	-.1812E+04	.5405E-05	-.3217E-05	.4886E-05
186	-.6516E-08	-.2055E-07	-.6516E-08	-.2444E-08	.0000E+00	.2444E-08
187	-.1085E+02	-.3422E+02	-.1085E+02	.3444E+02	.0000E+00	-.3444E+02
188	-.1006E+02	-.3173E+02	-.1006E+02	.0000E+00	-.2209E+01	.6967E+01
189	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
190	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
191	-.1006E+02	-.3173E+02	-.1006E+02	.0000E+00	.2209E+01	-.6967E+01
192	-.8876E+01	-.2800E+02	-.8876E+01	.0000E+00	.1949E+01	-.6148E+01
193	-.1075E+02	-.3391E+02	-.1075E+02	.0000E+00	.5114E+01	-.1613E+02
194	-.1144E+02	-.3608E+02	-.1144E+02	.3444E+02	-.2435E+02	.4236E+02
195	-.1085E+02	-.3422E+02	-.1085E+02	-.3444E+02	.2184E+02	-.3444E+02

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
196	-.1006E+02	-.3173E+02	-.1006E+02	.0000E+00	-.2209E+01	.6967E+01
197	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
198	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
199	-.1006E+02	-.3173E+02	-.1006E+02	.0000E+00	.2209E+01	-.6967E+01
200	-.8876E+01	-.2800E+02	-.8876E+01	.0000E+00	.1949E+01	-.6148E+01
201	-.1075E+02	-.3391E+02	-.1075E+02	.0000E+00	.5114E+01	-.1613E+02
202	-.1144E+02	-.3608E+02	-.1144E+02	-.3444E+02	-.2512E+01	.4236E+02
203	-.1006E+02	-.3173E+02	-.1006E+02	-.6967E+01	.2209E+01	.0000E+00
204	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
205	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
206	-.1006E+02	-.3173E+02	-.1006E+02	.6967E+01	-.2209E+01	.0000E+00
207	-.1006E+02	-.3173E+02	-.1006E+02	-.6967E+01	.2209E+01	.0000E+00
208	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
209	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
210	-.1006E+02	-.3173E+02	-.1006E+02	.6967E+01	-.2209E+01	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

DISPLACEMENTS

Node	Translations X	Translations Y	Translations Z	/	Rotations X	Rotations Y	Rotations Z
1	-.1219E-01	.1927E-03	-.7240E-02	/	.3110E-04	.3982E-04	.0000E+00
2	-.1218E-01	.8941E-04	-.7436E-02	/	.3885E-04	.3728E-04	.0000E+00
3	-.1223E-01	.6316E-04	-.8369E-02	/	.1323E-03	.6334E-04	.2756E-04
4	-.1229E-01	.5859E-03	-.9438E-02	/	.2528E-03	-.3912E-04	.0000E+00
5	-.1226E-01	.6846E-03	-.1035E-01	/	.2495E-03	.2046E-04	.0000E+00
6	-.1224E-01	.7897E-03	-.1120E-01	/	.2827E-03	-.3752E-04	.0000E+00
7	-.1221E-01	.7425E-03	-.1197E-01	/	.3364E-03	.5659E-04	.0000E+00
8	-.1231E-01	.2636E-03	-.1279E-01	/	.2808E-03	.7559E-04	-.2567E-05
9	-.1240E-01	.5878E-03	-.1367E-01	/	.3104E-03	-.5176E-04	.0000E+00
10	-.1239E-01	.4984E-03	-.1463E-01	/	.2058E-03	.5307E-04	.0000E+00
11	-.1239E-01	.7586E-04	-.1579E-01	/	.9479E-05	-.9989E-05	.0000E+00
12	-.1238E-01	.1178E-03	-.1600E-01	/	-.2600E-06	-.2043E-04	.0000E+00
13	-.1199E-01	.1179E-03	-.7236E-02	/	.2400E-04	.4937E-04	.0000E+00
14	-.1199E-01	-.1525E-04	-.7436E-02	/	.3505E-04	.7421E-04	-.4534E-04
15	-.1203E-01	-.3147E-03	-.8364E-02	/	.1468E-03	.8295E-04	.1016E-05
16	-.1206E-01	-.1129E-03	-.9437E-02	/	.2563E-03	.8397E-04	.2664E-04
17	-.1206E-01	-.5328E-06	-.1035E-01	/	.2491E-03	.6669E-04	-.6331E-05
18	-.1205E-01	.1873E-04	-.1120E-01	/	.2767E-03	.7766E-04	.9896E-05
19	-.1205E-01	-.1873E-03	-.1197E-01	/	.3413E-03	.4825E-04	-.4657E-04
20	-.1211E-01	-.5340E-03	-.1278E-01	/	.3075E-03	.6821E-04	-.3675E-06
21	-.1217E-01	-.2720E-03	-.1367E-01	/	.3168E-03	.1024E-03	.4763E-04
22	-.1218E-01	-.6719E-04	-.1463E-01	/	.2059E-03	.4705E-04	-.1301E-04
23	-.1218E-01	.5127E-04	-.1579E-01	/	.6774E-05	.9647E-04	.2774E-04
24	-.1218E-01	.1294E-03	-.1599E-01	/	-.6567E-05	-.2863E-04	.0000E+00
25	-.1097E-01	.1405E-03	-.7273E-02	/	-.2134E-04	.8789E-04	-.1339E-03
26	-.1097E-01	-.2382E-03	-.7468E-02	/	-.1129E-05	.5303E-04	-.1446E-03
27	-.1096E-01	-.2468E-02	-.8376E-02	/	.1591E-03	.7309E-04	-.1741E-03
28	-.1099E-01	-.4712E-02	-.9426E-02	/	.4150E-03	.8815E-04	-.1582E-03
29	-.1105E-01	-.6303E-02	-.1035E-01	/	.6729E-03	.6485E-04	-.1151E-03
30	-.1110E-01	-.6802E-02	-.1120E-01	/	.7207E-03	.7971E-04	.3196E-04
31	-.1114E-01	-.6067E-02	-.1197E-01	/	.5177E-03	.4566E-04	.9886E-04
32	-.1114E-01	-.4734E-02	-.1282E-01	/	.2893E-03	.7971E-04	.9712E-04
33	-.1112E-01	-.3925E-02	-.1368E-01	/	.2138E-03	.8527E-04	.5826E-04
34	-.1114E-01	-.2518E-02	-.1463E-01	/	.1481E-03	.6446E-04	.1784E-03
35	-.1118E-01	.3441E-05	-.1579E-01	/	.1616E-05	.8596E-04	.1477E-03
36	-.1118E-01	.4149E-03	-.1600E-01	/	-.2676E-04	.6593E-04	.1507E-03
37	-.1009E-01	.4699E-03	-.7327E-02	/	-.2150E-04	.2047E-03	.0000E+00
38	-.1009E-01	-.9561E-04	-.7505E-02	/	-.1759E-04	.7411E-04	-.2075E-03
39	-.1007E-01	-.4251E-02	-.8418E-02	/	.1048E-03	.5628E-04	-.3997E-03
40	-.1015E-01	-.7718E-02	-.1291E-01	/	.1543E-03	.6805E-04	.2876E-03

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

LOAD CASE 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Node	Translations X	Translations Y	Translations Z	Rotations X	Rotations Y	Rotations Z
41	-.1013E-01	-.5664E-02	-.1373E-01	.4669E-04	-.1087E-03	.0000E+00
42	-.1012E-01	-.3822E-02	-.1464E-01	.4533E-04	-.1991E-03	.0000E+00
43	-.1012E-01	-.5434E-04	-.1579E-01	.4848E-05	.7207E-04	.2936E-03
44	-.1012E-01	.7425E-03	-.1600E-01	-.1064E-04	-.2875E-03	.0000E+00
45	-.9274E-02	.5642E-03	-.7320E-02	.3727E-05	.2117E-03	.0000E+00
46	-.9274E-02	-.1432E-04	-.7515E-02	.3988E-05	.6032E-04	-.2084E-03
47	-.9265E-02	-.5192E-02	-.8472E-02	.5387E-04	.7755E-04	-.5492E-03
48	-.9266E-02	-.9177E-02	-.1301E-01	.9144E-04	.7927E-04	.4893E-03
49	-.9247E-02	-.6061E-02	-.1378E-01	.2078E-04	-.1118E-03	.0000E+00
50	-.9237E-02	-.4149E-02	-.1466E-01	.9309E-05	-.2092E-03	.0000E+00
51	-.9234E-02	-.7618E-04	-.1578E-01	-.9602E-06	.7522E-04	.3232E-03
52	-.9235E-02	.8107E-03	-.1598E-01	.9434E-06	-.3221E-03	.0000E+00
53	-.8415E-02	.6797E-03	-.7317E-02	-.1753E-04	.2580E-03	.0000E+00
54	-.8415E-02	-.3170E-04	-.7515E-02	-.3268E-05	.8262E-04	-.2602E-03
55	-.8405E-02	-.5141E-02	-.8526E-02	-.6098E-04	.6594E-04	-.4845E-03
56	-.8405E-02	-.9111E-02	-.1309E-01	-.1012E-03	.6396E-04	.4227E-03
57	-.8389E-02	-.6220E-02	-.1384E-01	.4038E-05	-.1329E-03	.0000E+00
58	-.8379E-02	-.4164E-02	-.1469E-01	-.6448E-05	-.2121E-03	.0000E+00
59	-.8378E-02	-.7307E-04	-.1577E-01	.2485E-07	.6788E-04	.3224E-03
60	-.8378E-02	.8111E-03	-.1597E-01	-.1003E-05	-.3211E-03	.0000E+00
61	-.7509E-02	.5644E-03	-.7307E-02	.3764E-04	.2518E-03	.0000E+00
62	-.7508E-02	-.1311E-03	-.7524E-02	.2165E-04	.6977E-04	-.2549E-03
63	-.7497E-02	-.4198E-02	-.8580E-02	-.1013E-03	.8705E-04	-.3379E-03
64	-.7569E-02	-.7586E-02	-.1318E-01	-.1588E-03	.7434E-04	.2228E-03
65	-.7553E-02	-.5766E-02	-.1389E-01	-.8000E-04	-.1278E-03	.0000E+00
66	-.7551E-02	-.3758E-02	-.1472E-01	-.6198E-04	-.2068E-03	.0000E+00
67	-.7552E-02	-.9027E-04	-.1576E-01	.3748E-05	.6877E-04	.2728E-03
68	-.7553E-02	.6514E-03	-.1595E-01	.2461E-04	-.2679E-03	.0000E+00
69	-.6455E-02	.1082E-03	-.7358E-02	.1905E-04	.5315E-04	-.1322E-03
70	-.6451E-02	-.2677E-03	-.7559E-02	-.3229E-05	.9251E-04	-.1450E-03
71	-.6454E-02	-.2380E-02	-.8621E-02	-.1679E-03	.7002E-04	-.1555E-03
72	-.6486E-02	-.4195E-02	-.9550E-02	-.3378E-03	.6423E-04	-.1134E-03
73	-.6531E-02	-.5363E-02	-.1039E-01	-.4904E-03	.7695E-04	-.8513E-04
74	-.6575E-02	-.5839E-02	-.1127E-01	-.5398E-03	.6689E-04	.5764E-05
75	-.6615E-02	-.5474E-02	-.1220E-01	-.4385E-03	.9090E-04	.5918E-04
76	-.6626E-02	-.4531E-02	-.1325E-01	-.2951E-03	.6480E-04	.7925E-04
77	-.6624E-02	-.3719E-02	-.1393E-01	-.2244E-03	.6301E-04	.7488E-04
78	-.6643E-02	-.2322E-02	-.1473E-01	-.1501E-03	.7821E-04	.1600E-03
79	-.6669E-02	-.9803E-04	-.1577E-01	-.1548E-05	.6014E-04	.1279E-03
80	-.6667E-02	.2520E-03	-.1596E-01	.2225E-04	.7672E-04	.1270E-03
81	-.5509E-02	.1101E-03	-.7400E-02	-.2697E-04	.2923E-04	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Node	Translations X	Translations Y	Translations Z	/	Rotations X	Rotations Y	Rotations Z
82	-.5509E-02	.3283E-04	-.7591E-02	/	-.4144E-04	.6870E-04	-.2446E-04
83	-.5530E-02	-.1247E-03	-.8635E-02	/	-.1524E-03	.5740E-04	-.7887E-06
84	-.5553E-02	-.6714E-04	-.9540E-02	/	-.2643E-03	.7175E-04	.8883E-05
85	-.5561E-02	-.3216E-04	-.1038E-01	/	-.2870E-03	.7145E-04	-.2387E-05
86	-.5560E-02	-.1467E-04	-.1126E-01	/	-.3097E-03	.7227E-04	.5515E-05
87	-.5574E-02	-.1271E-03	-.1219E-01	/	-.3424E-03	.8537E-04	-.2551E-04
88	-.5626E-02	-.3192E-03	-.1330E-01	/	-.3038E-03	.7720E-04	-.4876E-06
89	-.5667E-02	-.1718E-03	-.1394E-01	/	-.2917E-03	.4680E-04	.2758E-04
90	-.5684E-02	-.6007E-04	-.1472E-01	/	-.1775E-03	.9460E-04	-.9492E-05
91	-.5685E-02	.1209E-04	-.1578E-01	/	-.1482E-04	.5064E-04	.1881E-04
92	-.5686E-02	.6707E-04	-.1598E-01	/	-.2900E-05	-.2035E-04	.0000E+00
93	-.5308E-02	.1923E-03	-.7395E-02	/	-.3410E-04	.1847E-04	.0000E+00
94	-.5303E-02	.1539E-03	-.7593E-02	/	-.4475E-04	.1085E-04	.0000E+00
95	-.5332E-02	.2824E-03	-.8633E-02	/	-.1457E-03	.8626E-04	.2253E-04
96	-.5371E-02	.6547E-03	-.9540E-02	/	-.2614E-03	-.2343E-04	.0000E+00
97	-.5358E-02	.7540E-03	-.1038E-01	/	-.2854E-03	.8116E-05	.0000E+00
98	-.5360E-02	.8426E-03	-.1126E-01	/	-.3131E-03	-.2254E-04	.0000E+00
99	-.5344E-02	.8077E-03	-.1219E-01	/	-.3386E-03	.3505E-04	.0000E+00
100	-.5428E-02	.4849E-03	-.1329E-01	/	-.2865E-03	.6606E-04	-.3894E-05
101	-.5500E-02	.6210E-03	-.1394E-01	/	-.2864E-03	-.2327E-04	.0000E+00
102	-.5495E-02	.4275E-03	-.1472E-01	/	-.1774E-03	.4301E-04	.0000E+00
103	-.5492E-02	.5751E-04	-.1578E-01	/	-.1698E-04	-.4456E-05	.0000E+00
104	-.5491E-02	.8095E-04	-.1597E-01	/	-.8479E-05	-.1286E-04	.0000E+00
105	-.1043E-01	-.1563E-01	-.1079E-01	/	.1179E-02	-.5231E-03	-.8241E-04
106	-.1034E-01	-.1505E-01	-.1035E-01	/	.1086E-02	.4661E-04	.0000E+00
107	-.1018E-01	-.1439E-01	-.9964E-02	/	.7339E-03	-.2935E-03	-.5847E-03
108	-.9913E-02	-.1369E-01	-.9607E-02	/	.7640E-03	.1246E-03	.0000E+00
109	-.9609E-02	-.1291E-01	-.9355E-02	/	.2923E-03	-.9238E-04	-.7770E-03
110	-.9225E-02	-.1214E-01	-.9201E-02	/	.7939E-03	.1715E-03	.0000E+00
111	-.8839E-02	-.1158E-01	-.9181E-02	/	-.6513E-04	.3740E-04	-.8079E-03
112	-.8407E-02	-.1119E-01	-.9270E-02	/	.7314E-03	.2487E-04	.0000E+00
113	-.8014E-02	-.1093E-01	-.9448E-02	/	-.3347E-03	.1899E-03	-.5089E-03
114	-.7676E-02	-.1088E-01	-.9709E-02	/	.5292E-03	-.5563E-05	.0000E+00
115	-.7429E-02	-.1097E-01	-.1003E-01	/	-.5074E-03	.2632E-03	-.3365E-03
116	-.7274E-02	-.1125E-01	-.1042E-01	/	.6469E-03	-.2586E-03	.0000E+00
117	-.7250E-02	-.1170E-01	-.1082E-01	/	-.7510E-03	.3880E-03	-.8214E-04
118	-.7330E-02	-.1228E-01	-.1126E-01	/	.6204E-03	.3751E-03	.0000E+00
119	-.7491E-02	-.1302E-01	-.1163E-01	/	-.6288E-03	.3169E-03	.2139E-03
120	-.7755E-02	-.1379E-01	-.1198E-01	/	-.5604E-03	.1234E-03	.0000E+00
121	-.8058E-02	-.1449E-01	-.1221E-01	/	-.4729E-03	.2330E-03	.5392E-03
122	-.8448E-02	-.1518E-01	-.1237E-01	/	-.6145E-03	.5246E-03	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

	Translations			/	Rotations		
Node	X	Y	Z	/	X	Y	Z
123	-.8840E-02	-.1572E-01	-.1238E-01	/	-.6693E-04	.8356E-04	.8759E-03
124	-.9271E-02	-.1613E-01	-.1228E-01	/	.7139E-03	.5034E-03	.0000E+00
125	-.9647E-02	-.1646E-01	-.1213E-01	/	.4276E-03	-.1639E-03	.7970E-03
126	-.1001E-01	-.1658E-01	-.1186E-01	/	-.7824E-03	-.3811E-05	.0000E+00
127	-.1025E-01	-.1643E-01	-.1155E-01	/	.8455E-03	-.3680E-03	.4571E-03
128	-.1040E-01	-.1607E-01	-.1116E-01	/	.1095E-02	.1390E-03	.0000E+00
129	-.1174E-01	.1796E-03	-.7344E-02	/	.4642E-04	.9090E-04	-.1430E-03
130	-.1174E-01	-.1898E-03	-.7594E-02	/	.1187E-05	.9110E-04	-.1432E-03
131	-.1169E-01	-.2491E-02	-.8948E-02	/	.1115E-03	.6949E-04	-.1372E-03
132	-.1155E-01	-.4705E-02	-.1006E-01	/	-.2522E-03	.8707E-04	-.1107E-03
133	-.1135E-01	-.6167E-02	-.1111E-01	/	-.4353E-03	.8564E-04	-.6359E-04
134	-.1109E-01	-.6640E-02	-.1210E-01	/	-.4393E-03	.7712E-04	-.4473E-05
135	-.1085E-01	-.6067E-02	-.1297E-01	/	-.2592E-03	.7132E-04	.4857E-04
136	-.1062E-01	-.4751E-02	-.1395E-01	/	.2042E-03	.8074E-04	.8889E-04
137	-.1046E-01	-.3909E-02	-.1463E-01	/	.3237E-04	.5266E-04	.1187E-03
138	-.1026E-01	-.2553E-02	-.1513E-01	/	.1184E-04	.4037E-04	.1681E-03
139	-.1002E-01	.3626E-04	-.1583E-01	/	.2212E-05	.6241E-04	.2643E-03
140	-.9986E-02	.7444E-03	-.1600E-01	/	.3259E-04	.6267E-04	.2865E-03
141	-.7152E-02	.1165E-03	-.7308E-02	/	-.9594E-05	.3897E-04	-.1287E-03
142	-.7150E-02	-.2136E-03	-.7413E-02	/	-.3028E-05	.3935E-04	-.1289E-03
143	-.7097E-02	-.2410E-02	-.7856E-02	/	-.1523E-03	.6979E-04	-.1200E-03
144	-.6973E-02	-.4172E-02	-.8727E-02	/	.1155E-03	.6216E-04	-.9299E-04
145	-.6807E-02	-.5298E-02	-.9463E-02	/	.2100E-03	.6174E-04	-.5513E-04
146	-.6610E-02	-.5746E-02	-.1022E-01	/	.2169E-03	.6435E-04	-.9899E-05
147	-.6412E-02	-.5460E-02	-.1101E-01	/	.1200E-03	.6734E-04	.3312E-04
148	-.6218E-02	-.4554E-02	-.1192E-01	/	-.2457E-03	.6556E-04	.7198E-04
149	-.6079E-02	-.3688E-02	-.1281E-01	/	-.7579E-04	.9754E-04	.1000E-03
150	-.5936E-02	-.2342E-02	-.1412E-01	/	-.3897E-04	.1111E-03	.1346E-03
151	-.5796E-02	-.6586E-04	-.1574E-01	/	-.1845E-05	.9198E-04	.1855E-03
152	-.5777E-02	.4257E-03	-.1600E-01	/	.1045E-04	.9229E-04	.1963E-03
153	-.1228E-01	.5789E-04	-.9021E-02	/	.1233E-03	.4203E-04	-.4796E-04
154	-.1217E-01	-.2555E-03	-.9020E-02	/	.1235E-03	.4183E-04	-.1955E-05
155	-.1083E-01	-.4206E-02	-.8777E-02	/	.7486E-04	.6416E-04	.1979E-03
156	-.1003E-01	-.5088E-02	-.8559E-02	/	.2389E-04	.7058E-04	.3121E-03
157	-.9129E-02	-.5069E-02	-.8313E-02	/	-.3556E-04	.7856E-04	.2647E-03
158	-.8155E-02	-.4181E-02	-.8077E-02	/	-.9343E-04	.8117E-04	.1616E-03
159	-.5669E-02	-.7328E-04	-.7678E-02	/	-.2199E-03	.9521E-04	-.1908E-05
160	-.5408E-02	.5070E-03	-.7650E-02	/	-.2358E-03	.9501E-04	-.4858E-04
161	-.1237E-01	.1441E-03	-.1411E-01	/	.2318E-03	.1064E-03	-.2055E-04
162	-.1207E-01	-.4566E-03	-.1411E-01	/	.2321E-03	.1061E-03	.4973E-06
163	-.9544E-02	-.7634E-02	-.1359E-01	/	.1313E-03	.7780E-04	-.1185E-03

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Node	Translations X	Translations Y	Translations Z	/	Rotations X	Rotations Y	Rotations Z
164	-.8641E-02	-.9037E-02	-.1319E-01	/	.4220E-04	.7163E-04	-.2946E-03
165	-.7826E-02	-.8995E-02	-.1275E-01	/	-.5704E-04	.6497E-04	-.2466E-03
166	-.7073E-02	-.7533E-02	-.1233E-01	/	-.1523E-03	.6254E-04	-.8489E-04
167	-.5596E-02	-.2531E-03	-.1166E-01	/	-.3296E-03	.4247E-04	.1997E-06
168	-.5483E-02	.6153E-03	-.1163E-01	/	-.3460E-03	.4082E-04	-.2059E-04
169	-.1174E-01	.8163E-03	-.6936E-02	/	.9934E-04	.9076E-04	-.1430E-03
170	-.1400E-01	.8148E-03	-.8509E-02	/	.9995E-04	.9076E-04	-.1432E-03
171	-.9924E-02	.2110E-02	-.1629E-01	/	.8552E-04	.6281E-04	.3235E-03
172	.0000E+00	.2109E-02	-.1764E-01	/	.8613E-04	.6281E-04	.5063E-03
173	-.7152E-02	.6890E-03	-.7134E-02	/	.4333E-04	.3883E-04	-.1287E-03
174	-.9187E-02	.6875E-03	-.7825E-02	/	.4394E-04	.3883E-04	-.1289E-03
175	-.5747E-02	.1343E-02	-.1641E-01	/	.6337E-04	.9243E-04	.2144E-03
176	.0000E+00	.1341E-02	-.1742E-01	/	.6398E-04	.9243E-04	.3042E-03
177	-.1247E-01	.6059E-03	-.9021E-02	/	.1233E-03	.4218E-04	-.1009E-03
178	-.1407E-01	.6044E-03	-.1097E-01	/	.1235E-03	.4218E-04	-.1015E-03
179	-.4982E-02	.1621E-02	-.7606E-02	/	-.2624E-03	.9487E-04	-.1015E-03
180	-.6589E-02	.1620E-02	.0000E+00	/	-.3939E-03	.9487E-04	-.1021E-03
181	-.1285E-01	.1180E-02	-.1411E-01	/	.2318E-03	.1065E-03	-.7348E-04
182	-.1401E-01	.1179E-02	-.1777E-01	/	.2320E-03	.1065E-03	-.7409E-04
183	-.4652E-02	.9918E-02	-.1139E-01	/	-.4867E-03	.3576E-04	-.2852E-03
184	-.9153E-02	.9916E-02	.0000E+00	/	-.6277E-03	.3576E-04	-.2858E-03
185	-.6735E-02	-.1463E-01	-.1355E-01	/	-.8908E-04	.7199E-04	-.9305E-04
186	-.6945E-02	-.1463E-01	-.1335E-01	/	-.8908E-04	.7199E-04	-.9305E-04
187	-.1220E-01	-.4402E-04	-.7626E-02	/	.5822E-05	.6800E-04	-.8986E-05
188	-.1210E-01	-.8476E-04	-.1001E-01	/	-.1042E-03	.9245E-04	.5126E-05
189	-.1209E-01	-.7285E-05	-.1111E-01	/	-.2186E-04	.8962E-04	.1536E-05
190	-.1210E-01	-.1176E-04	-.1212E-01	/	.5028E-05	.7864E-04	-.4940E-05
191	-.1211E-01	-.1389E-03	-.1300E-01	/	-.7213E-04	.6896E-04	-.1038E-04
192	-.1206E-01	-.1866E-03	-.1477E-01	/	-.2313E-04	.2523E-04	.1019E-04
193	-.1206E-01	-.5371E-04	-.1485E-01	/	-.1290E-03	.2892E-05	.8248E-05
194	-.1204E-01	.3223E-04	-.1584E-01	/	.6969E-06	.1507E-03	.5561E-05
195	-.5693E-02	-.5658E-05	-.7371E-02	/	-.8988E-05	.6253E-04	-.3537E-05
196	-.5616E-02	-.4770E-04	-.8754E-02	/	.5257E-04	.6941E-04	.6661E-06
197	-.5601E-02	-.2126E-04	-.9554E-02	/	.3759E-04	.6323E-04	-.9224E-07
198	-.5604E-02	-.2442E-04	-.1027E-01	/	.8301E-05	.5778E-04	-.2887E-05
199	-.5612E-02	-.9355E-04	-.1096E-01	/	.1400E-04	.5700E-04	-.5444E-05
200	-.5595E-02	-.1167E-03	-.1262E-01	/	-.6583E-04	.1313E-03	.5279E-05
201	-.5597E-02	-.4396E-04	-.1438E-01	/	.6652E-04	.1472E-03	.4323E-05
202	-.5580E-02	.1152E-06	-.1573E-01	/	-.3171E-05	.1009E-04	.2782E-05
203	-.1077E-01	-.7104E-04	-.7535E-02	/	-.3591E-05	.6126E-04	.1860E-04
204	-.1000E-01	-.2005E-04	-.7518E-02	/	-.1248E-05	.6787E-04	-.9385E-05

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Node	Translations X	Translations Y	Translations Z	/	Rotations X	Rotations Y	Rotations Z
205	-.9111E-02	-.2866E-04	-.7509E-02	/	.2088E-05	.8123E-04	.4996E-04
206	-.8084E-02	-.9118E-04	-.7486E-02	/	.3746E-05	.8748E-04	.9962E-04
207	-.9121E-02	-.3008E-04	-.1581E-01	/	.2385E-05	.6828E-04	-.1365E-04
208	-.8331E-02	-.4363E-04	-.1579E-01	/	.1108E-05	.6385E-04	-.5116E-04
209	-.7577E-02	-.4716E-04	-.1578E-01	/	.5893E-06	.6201E-04	-.8180E-04
210	-.6823E-02	-.5656E-04	-.1576E-01	/	.1675E-06	.6488E-04	-.6915E-04

SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

BEAM LOADS AND/OR STRESSES

LLoads / Stress / Stress	Node / Node / Node	Axial / Axial / Maximum	Y-Shear / Y-Shear / Minimum	Z-Shear / Z-Shear / Cmb. Shear	Torsion / Torsion	Y-Bending / Y-Bending	Z-Bending / Z-Bending
			BEAM NO. 1				
LLoads	129	-.1410E+03	-.3498E+03	-.7148E+01	.1803E+03	-.8762E+02	.1463E+03
LLoads	130	.1446E+03	.3614E+03	.1084E+02	-.1803E+03	.1124E+03	-.1124E+04
			BEAM NO. 2				
LLoads	130	-.1328E+04	.1064E+04	.8211E+03	-.8792E+02	-.3523E+04	.3121E+04
LLoads	131	.1347E+04	-.1006E+04	-.8027E+03	.8792E+02	-.7640E+04	.1111E+05
			BEAM NO. 3				
LLoads	131	-.3607E+04	.1554E+04	.1786E+03	.2953E+03	-.2888E+04	-.7861E+04
LLoads	132	.3625E+04	-.1497E+04	-.1605E+03	-.2953E+03	.5985E+03	.2845E+05
			BEAM NO. 4				
LLoads	132	-.6073E+04	.1364E+04	.1074E+03	.1673E+03	-.4552E+03	-.2845E+05
LLoads	133	.6089E+04	-.1313E+04	-.9127E+02	-.1673E+03	-.7367E+03	.4452E+05
			BEAM NO. 5				
LLoads	133	-.7525E+04	.2336E+03	.3026E+02	.3582E+01	.7909E+03	-.4452E+05
LLoads	134	.7541E+04	-.1828E+03	-.1415E+02	-.3582E+01	-.1057E+04	.4702E+05
			BEAM NO. 6				
LLoads	134	-.7231E+04	-.9671E+03	-.6074E+02	-.1645E+03	.1036E+04	-.4702E+05
LLoads	135	.7247E+04	.1018E+04	.7685E+02	.1645E+03	-.2105E+03	.3511E+05
			BEAM NO. 7				
LLoads	135	-.5876E+04	-.1067E+04	-.1440E+03	-.3763E+03	.8913E+02	-.3511E+05
LLoads	136	.5894E+04	.1124E+04	.1621E+03	.3763E+03	.1977E+04	.2032E+05
			BEAM NO. 8				
LLoads	136	-.5612E+04	.9446E+03	-.1360E+03	.1794E+03	.4277E+04	-.2152E+05
LLoads	137	.5627E+04	-.9001E+03	.1501E+03	-.1794E+03	-.2775E+04	.3121E+05
			BEAM NO. 9				
LLoads	137	-.5773E+04	.1199E+04	-.2067E+03	.1876E+02	.2627E+04	-.3121E+05
LLoads	138	.5789E+04	-.1148E+04	.2228E+03	-.1876E+02	-.4992E+02	.4529E+05
			BEAM NO. 10				
LLoads	138	-.5452E+04	.1773E+04	-.2155E+03	.6922E+01	-.2169E+03	-.4529E+05
LLoads	139	.5472E+04	-.1708E+04	.2360E+03	-.6922E+01	.3659E+04	.7182E+05
			BEAM NO. 11				
LLoads	139	-.4931E+04	.7311E+03	.2751E+02	-.1211E+03	-.1593E+03	-.7429E+05
LLoads	140	.4935E+04	-.7194E+03	-.2382E+02	.1211E+03	.8873E+02	.7629E+05
			BEAM NO. 12				
LLoads	141	-.1389E+03	-.3516E+03	-.6511E+02	-.2618E+02	-.9108E+02	.1463E+03
LLoads	142	.1426E+03	.3633E+03	.6880E+02	.2618E+02	.2752E+03	-.1129E+04
			BEAM NO. 13				
LLoads	142	-.1380E+04	.1372E+04	-.9887E+03	.1190E+03	.3910E+04	.3248E+04

=============== I M A G E S 3 D ===============

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SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

LLoads Node Stress Node Stress Node		Axial Axial Maximum	Y-Shear Y-Shear Minimum	Z-Shear Z-Shear Cmb. Shear	Torsion Torsion	Y-Bending Y-Bending	Z-Bending Z-Bending
LLoads	143	.1399E+04	-.1313E+04	.1007E+04	-.1190E+03	.9811E+04	.1521E+05
			BEAM NO. 14				
LLoads	143	-.3235E+04	.9425E+03	-.5703E+02	-.2174E+03	.1174E+04	-.1237E+05
LLoads	144	.3253E+04	-.8854E+03	.7516E+02	.2174E+03	-.2813E+03	.2471E+05
			BEAM NO. 15				
LLoads	144	-.4871E+04	.7897E+03	-.2506E+02	-.8635E+02	.2284E+03	-.2471E+05
LLoads	145	.4887E+04	-.7389E+03	.4117E+02	.8635E+02	.1689E+03	.3388E+05
			BEAM NO. 16				
LLoads	145	-.5826E+04	.2128E+03	-.1062E+02	-.6279E+01	-.1914E+03	-.3388E+05
LLoads	146	.5843E+04	-.1620E+03	.2673E+02	.6279E+01	.4154E+03	.3613E+05
			BEAM NO. 17				
LLoads	146	-.5825E+04	-.4473E+03	.2005E+02	.8852E+02	-.4182E+03	-.3613E+05
LLoads	147	.5841E+04	.4981E+03	-.3937E+01	-.8852E+02	.2743E+03	.3045E+05
			BEAM NO. 18				
LLoads	147	-.5079E+04	-.5265E+03	.6668E+02	.2970E+03	-.2343E+03	-.3045E+05
LLoads	148	.5097E+04	.5837E+03	-.4855E+02	-.2970E+03	-.5435E+03	.2296E+05
			BEAM NO. 19				
LLoads	148	-.4670E+04	.1616E+03	.1980E+03	-.1774E+03	-.5045E+04	-.2407E+05
LLoads	149	.4684E+04	-.1171E+03	-.1839E+03	.1774E+03	.3040E+04	.2553E+05
			BEAM NO. 20				
LLoads	149	-.4213E+04	.2222E+03	.2348E+03	-.3365E+02	-.2869E+04	-.2553E+05
LLoads	150	.4229E+04	-.1714E+03	-.2187E+03	.3365E+02	.1476E+03	.2789E+05
			BEAM NO. 21				
LLoads	150	-.3236E+04	.4355E+03	.2104E+03	-.2669E+02	.1049E+03	-.2789E+05
LLoads	151	.3256E+04	-.3709E+03	-.1899E+03	.2669E+02	-.3157E+04	.3404E+05
			BEAM NO. 22				
LLoads	151	-.2453E+04	.4978E+03	.4768E+02	-.4901E+02	-.2157E+03	-.3595E+05
LLoads	152	.2457E+04	-.4862E+03	-.4399E+02	.4901E+02	.8971E+02	.3730E+05
			BEAM NO. 23				
LLoads	153	-.1476E+03	-.3770E+03	.6056E+01	-.1834E+03	.8763E+02	.1463E+03
LLoads	154	.1512E+03	.3886E+03	-.9748E+01	.1834E+03	-.1094E+03	-.1199E+04
			BEAM NO. 24				
LLoads	154	-.1845E+04	.1746E+04	-.9481E+03	.1078E+03	.3815E+04	.3734E+04
LLoads	131	.1863E+04	-.1688E+04	.9297E+03	-.1078E+03	.9095E+04	.1988E+05
			BEAM NO. 25				
LLoads	131	-.4479E+04	.1319E+04	-.1335E+03	-.2722E+03	.1383E+04	-.1644E+05
LLoads	155	.4497E+04	-.1262E+04	.1154E+03	.2722E+03	.2973E+03	.3386E+05
			BEAM NO. 26				
LLoads	155	-.6413E+04	.9569E+03	-.5791E+02	-.1043E+03	-.3922E+03	-.3386E+05
LLoads	156	.6429E+04	-.9061E+03	.4180E+02	.1043E+03	.9905E+03	.4504E+05

SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

LLoads Stress Stress	Node Node Node	Axial Axial Maximum	Y-Shear Y-Shear Minimum	Z-Shear Z-Shear Cmb. Shear	Torsion Torsion	Y-Bending Y-Bending	Z-Bending Z-Bending
			BEAM NO. 27				
LLoads	156	-.7258E+04	.1889E+03	.1497E+02	.4323E+02	-.1003E+04	-.4504E+05
LLoads	157	.7274E+04	-.1380E+03	-.3108E+02	-.4323E+02	.7262E+03	.4700E+05
			BEAM NO. 28				
LLoads	157	-.6948E+04	-.3413E+03	.6079E+02	.9423E+02	-.6849E+03	-.4700E+05
LLoads	158	.6964E+04	.3921E+03	-.7690E+02	-.9423E+02	-.1413E+03	.4260E+05
			BEAM NO. 29				
LLoads	158	-.5786E+04	-.2884E+03	.1223E+03	.2287E+03	.2491E+03	-.4260E+05
LLoads	143	.5804E+04	.3456E+03	-.1404E+03	-.2287E+03	-.2023E+04	.3832E+05
			BEAM NO. 30				
LLoads	143	-.4568E+04	.6421E+03	.9403E+03	-.9415E+02	-.8953E+04	-.4148E+05
LLoads	159	.4586E+04	-.5839E+03	-.9588E+03	.9415E+02	-.4104E+04	.4990E+05
			BEAM NO. 31				
LLoads	159	-.3597E+04	.6888E+03	-.9116E+01	.1861E+03	.1075E+03	-.5291E+05
LLoads	160	.3600E+04	-.6771E+03	.5424E+01	-.1861E+03	-.8754E+02	.5479E+05
			BEAM NO. 32				
LLoads	161	-.1907E+03	-.5413E+03	.3409E+02	-.8393E+02	.8909E+02	.1463E+03
LLoads	162	.1944E+03	.5529E+03	-.3778E+02	.8393E+02	-.1879E+03	-.1651E+04
			BEAM NO. 33				
LLoads	162	-.4078E+04	.3612E+04	.5331E+03	-.7048E+02	-.1268E+04	.5868E+04
LLoads	136	.4097E+04	-.3554E+04	-.5516E+03	.7048E+02	-.6189E+04	.4340E+05
			BEAM NO. 34				
LLoads	136	-.9351E+04	.1775E+04	.1648E+02	.1684E+03	.1361E+03	-.3840E+05
LLoads	163	.9369E+04	-.1718E+04	-.3460E+02	-.1684E+03	-.4809E+03	.6198E+05
			BEAM NO. 35				
LLoads	163	-.1192E+05	.1191E+04	.2333E+02	.1609E+03	.5088E+03	-.6198E+05
LLoads	164	.1194E+05	-.1140E+04	-.3944E+02	-.1609E+03	-.8854E+03	.7597E+05
			BEAM NO. 36				
LLoads	164	-.1297E+05	.1738E+03	-.3117E+02	-.4387E+02	.8888E+03	-.7597E+05
LLoads	165	.1299E+05	-.1230E+03	.1506E+02	.4387E+02	-.6115E+03	.7776E+05
			BEAM NO. 37				
LLoads	165	-.1246E+05	-.6339E+03	-.5735E+02	-.1477E+03	.5792E+03	-.7776E+05
LLoads	166	.1247E+05	.6847E+03	.4124E+02	.1477E+03	.1230E+02	.6984E+05
			BEAM NO. 38				
LLoads	166	-.1063E+05	-.7983E+03	-.4200E+02	-.1274E+03	-.5280E+02	-.6984E+05
LLoads	148	.1065E+05	.8554E+03	.2388E+02	.1274E+03	.4975E+03	.5868E+05
			BEAM NO. 39				
LLoads	148	-.6803E+04	-.9271E+03	-.4011E+03	.5724E+02	.4937E+04	-.6323E+05
LLoads	167	.6821E+04	.9854E+03	.3827E+03	-.5724E+02	.4516E+03	.5008E+05
			BEAM NO. 40				
LLoads	167	-.3850E+04	.8985E+03	-.6119E+02	.8290E+02	.8746E+03	-.5438E+05

SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

LLoads Stress Stress	Node Node Node	Axial Axial Maximum	Y-Shear Y-Shear Minimum	Z-Shear Z-Shear Cmb. Shear	Torsion Torsion	Y-Bending Y-Bending	Z-Bending Z-Bending
LLoads	168	.3853E+04	-.8868E+03	.5749E+02	-.8290E+02	-.7114E+03	.5684E+05
			BEAM NO. 41				
LLoads	129	-.2242E+02	-.7070E+02	.2242E+02	.1289E+03	-.8727E+02	-.1463E+03
LLoads	169	.1637E+02	.5165E+02	-.1637E+02	-.1289E+03	-.3741E-10	-.1289E+03
			BEAM NO. 42				
LLoads	169	-.5165E+02	.1637E+02	.1637E+02	-.7855E-14	-.1289E+03	.1289E+03
LLoads	170	-.1315E-12	-.2114E-12	-.3288E-11	.7855E-14	.1955E-10	-.1415E-10
			BEAM NO. 43				
LLoads	140	-.4847E+04	-.7070E+02	-.2242E+02	-.1289E+03	.8727E+02	.7629E+05
LLoads	171	.4853E+04	.5165E+02	.1637E+02	.1289E+03	-.1510E-09	-.7656E+05
			BEAM NO. 44				
LLoads	171	-.5165E+02	.4853E+04	-.1637E+02	-.4569E-14	.1289E+03	.7656E+05
LLoads	172	-.2096E-12	-.4869E+04	.1126E-10	.4569E-14	.1749E-10	-.6398E-10
			BEAM NO. 45				
LLoads	141	-.2242E+02	-.7070E+02	.2242E+02	.1289E+03	-.8727E+02	-.1463E+03
LLoads	173	.1637E+02	.5165E+02	-.1637E+02	-.1289E+03	.3328E-10	-.1289E+03
			BEAM NO. 46				
LLoads	173	-.5165E+02	.1637E+02	.1637E+02	-.2390E-14	-.1289E+03	.1289E+03
LLoads	174	.3553E-12	-.4421E-11	-.1450E-11	.2390E-14	.6079E-11	.3709E-11
			BEAM NO. 47				
LLoads	152	-.2371E+04	-.7070E+02	-.2242E+02	-.1289E+03	.8727E+02	.3730E+05
LLoads	175	.2377E+04	.5165E+02	.1637E+02	.1289E+03	.1013E-09	-.3757E+05
			BEAM NO. 48				
LLoads	175	-.5165E+02	.2377E+04	-.1637E+02	-.1051E-13	.1289E+03	.3757E+05
LLoads	176	.3229E-11	-.2394E+04	.1814E-11	.1051E-13	-.7066E-11	-.2783E-10
			BEAM NO. 49				
LLoads	153	-.2242E+02	-.7070E+02	-.2242E+02	-.1289E+03	.8727E+02	-.1463E+03
LLoads	177	.1637E+02	.5165E+02	.1637E+02	.1289E+03	.4826E-10	-.1289E+03
			BEAM NO. 50				
LLoads	177	-.5165E+02	.1637E+02	-.1637E+02	-.2392E-14	.1289E+03	.1289E+03
LLoads	178	-.4654E-12	-.2677E-11	.1030E-10	.2392E-14	-.1162E-10	-.1682E-10
			BEAM NO. 51				
LLoads	160	-.3482E+04	-.7070E+02	.2242E+02	.1289E+03	-.8727E+02	.5479E+05
LLoads	179	.3488E+04	.5165E+02	-.1637E+02	-.1289E+03	-.1521E-10	-.5507E+05
			BEAM NO. 52				
LLoads	179	-.5165E+02	.3488E+04	.1637E+02	-.8275E-14	-.1289E+03	.5507E+05
LLoads	180	-.2867E-11	-.3504E+04	-.1741E-11	.8275E-14	.1911E-11	-.5353E-10
			BEAM NO. 53				
LLoads	161	-.2242E+02	-.7070E+02	-.2242E+02	-.1289E+03	.8727E+02	-.1463E+03
LLoads	181	.1637E+02	.5165E+02	.1637E+02	.1289E+03	.7933E-11	-.1289E+03

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SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

LLoads Stress Stress	Node Node Node	Axial Axial Maximum	Y-Shear Y-Shear Minimum	Z-Shear Z-Shear Cmb. Shear	Torsion Torsion	Y-Bending Y-Bending	Z-Bending Z-Bending
			BEAM NO. 54				
LLoads	181	-.5165E+02	.1637E+02	-.1637E+02	-.1394E-13	.1289E+03	.1289E+03
LLoads	182	.3070E-11	-.4412E-11	-.3624E-12	.1394E-13	-.2151E-10	-.5372E-11
			BEAM NO. 55				
LLoads	168	-.3712E+04	-.1469E+03	.4658E+02	.1289E+03	-.7082E+03	.5684E+05
LLoads	183	.3743E+04	.5165E+02	-.1637E+02	-.1289E+03	.1677E-11	-.5907E+05
			BEAM NO. 56				
LLoads	183	-.5165E+02	.3743E+04	.1637E+02	-.3526E-14	-.1289E+03	.5907E+05
LLoads	184	.2753E-11	-.3759E+04	-.4155E-11	.3526E-14	.1584E-10	-.5065E-10
			BEAM NO. 57				
LLoads	185	.2735E+04	.5508E+02	-.5962E+02	-.1410E-09	.1981E+04	.1830E+04
LLoads	105	-.2735E+04	-.5508E+02	.5962E+02	-.2283E-11	.3039E-12	.1262E-12
			BEAM NO. 58				
LLoads	185	.1301E+04	-.7961E+03	-.2724E+02	-.1546E-10	.9945E+03	-.2907E+05
LLoads	107	-.1301E+04	.7961E+03	.2724E+02	-.2784E-11	-.2931E-12	.1990E-12
			BEAM NO. 59				
LLoads	185	.1047E+04	-.5851E+03	-.2304E+03	-.2678E-09	.8926E+04	-.2267E+05
LLoads	109	-.1047E+04	.5851E+03	.2304E+03	-.1920E-10	-.2845E-12	-.9823E-13
			BEAM NO. 60				
LLoads	185	.1401E+04	.2186E+03	-.8942E+02	-.7838E-10	.3534E+04	.8642E+04
LLoads	111	-.1401E+04	-.2186E+03	.8942E+02	-.3359E-10	.4390E-13	.0000E+00
			BEAM NO. 61				
LLoads	185	.3679E+03	-.4807E+03	.1114E+03	-.1639E-10	-.4315E+04	-.1863E+05
LLoads	113	-.3679E+03	.4807E+03	-.1114E+03	.4664E-11	.8605E-13	.1141E-12
			BEAM NO. 62				
LLoads	185	.6537E+03	-.6944E+03	.6330E+02	.1067E-10	-.2311E+04	-.2535E+05
LLoads	115	-.6537E+03	.6944E+03	-.6330E+02	-.2146E-11	-.1151E-12	.8716E-13
			BEAM NO. 63				
LLoads	185	.1558E+04	-.2404E+03	.1561E+03	-.4599E-10	-.5185E+04	-.7985E+04
LLoads	117	-.1558E+04	.2404E+03	-.1561E+03	-.2605E-12	.6211E-13	.1678E-12
			BEAM NO. 64				
LLoads	185	.8437E+03	-.9897E+03	.4009E+03	-.1262E-09	-.1185E+05	-.2926E+05
LLoads	119	-.8437E+03	.9897E+03	-.4009E+03	-.2173E-11	-.3623E-13	.5556E-14
			BEAM NO. 65				
LLoads	185	.8215E+03	-.1280E+04	-.7698E+02	-.4887E-09	.2045E+04	-.3401E+05
LLoads	121	-.8215E+03	.1280E+04	.7698E+02	.2501E-11	-.1360E-12	.2886E-12
			BEAM NO. 66				
LLoads	185	.1690E+04	-.2712E+03	.9606E+02	-.8087E-10	-.2438E+04	-.6883E+04
LLoads	123	-.1690E+04	.2712E+03	-.9606E+02	-.4103E-12	.4104E-13	.0000E+00
			BEAM NO. 67				
LLoads	185	.1187E+04	-.1332E+04	.1682E+03	-.5493E-09	-.4468E+04	-.3539E+05

SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

LLoads Stress Stress	Node Node Node	Axial Axial Maximum	Y-Shear Y-Shear Minimum	Z-Shear Z-Shear Cmb. Shear	Torsion Torsion	Y-Bending Y-Bending	Z-Bending Z-Bending
LLoads	125	-.1187E+04	.1332E+04	-.1682E+03	.1040E-11	.2138E-12	.9626E-13
			BEAM NO. 68				
LLoads	185	.1158E+04	-.9032E+03	-.3566E+03	.1215E-09	.1054E+05	-.2670E+05
LLoads	127	-.1158E+04	.9032E+03	.3566E+03	-.1201E-12	.2772E-12	-.6524E-14
			BEAM NO. 69				
LLoads	185	.2990E-07	.7490E-08	.1067E-07	-.8641E-10	-.1833E-07	-.5382E-08
LLoads	186	-.7101E-07	.5543E-08	.2359E-08	.8641E-10	.1994E-08	.8096E-08
			BEAM NO. 70				
LLoads	187	-.4713E+03	.3489E+03	.2870E+03	-.3655E+02	-.1730E+04	.3504E+03
LLoads	154	.4808E+03	-.3188E+03	-.2775E+03	.3655E+02	-.2151E+04	.4240E+04
			BEAM NO. 71				
LLoads	154	-.8869E+03	-.3597E+03	.4239E+02	.7202E+02	-.7017E+03	-.4524E+04
LLoads	188	.8963E+03	.3892E+03	-.3303E+02	-.7202E+02	.1926E+03	-.5310E+03
			BEAM NO. 72				
LLoads	188	-.1631E+03	-.9573E+02	.9859E+01	-.2930E+02	-.1503E+02	.5310E+03
LLoads	189	.1714E+03	.1220E+03	-.1544E+01	.2930E+02	-.5339E+02	-.1837E+04
			BEAM NO. 73				
LLoads	189	.1729E+03	-.3317E+02	.7254E+01	-.9569E+01	.7961E+02	.1837E+04
LLoads	190	-.1646E+03	.5940E+02	.1062E+01	.9569E+01	-.1168E+03	-.2393E+04
			BEAM NO. 74				
LLoads	190	.1301E+03	.1154E+03	-.2310E+00	.2746E+02	.1119E+03	.2393E+04
LLoads	191	-.1218E+03	-.8912E+02	.8547E+01	-.2746E+02	-.5927E+02	-.1166E+04
			BEAM NO. 75				
LLoads	191	-.4804E+03	.6443E+03	-.2937E+02	-.9623E+02	-.1009E+03	.1166E+04
LLoads	162	.4898E+03	-.6148E+03	.3873E+02	.9623E+02	.5606E+03	.7333E+04
			BEAM NO. 76				
LLoads	162	-.2192E+03	-.7164E+03	-.2153E+02	.1038E+03	.1022E+04	-.7375E+04
LLoads	192	.2264E+03	.7393E+03	.2881E+02	-.1038E+03	-.7582E+03	-.2673E+03
			BEAM NO. 77				
LLoads	192	.1424E+01	-.5132E+02	-.5039E+02	.3766E+02	.5357E+03	.2673E+03
LLoads	193	.6892E+01	.7755E+02	.5871E+02	-.3766E+02	.1189E+03	-.1040E+04
			BEAM NO. 78				
LLoads	193	-.2299E+03	.5811E+02	-.5816E+02	-.3631E+02	-.6583E+03	.1040E+04
LLoads	194	.2405E+03	-.2478E+02	.6872E+02	.3631E+02	.1626E+04	-.4084E+03
			BEAM NO. 79				
LLoads	202	-.2031E+03	-.4969E+01	.4590E+02	.1952E+02	-.1424E+04	.2683E+03
LLoads	201	.1925E+03	.3830E+02	-.5647E+02	-.1952E+02	.6430E+03	-.5982E+03
			BEAM NO. 80				
LLoads	201	.3088E+02	.5702E+02	.5161E+02	-.4710E+02	-.1724E+03	.5982E+03
LLoads	200	-.3919E+02	-.3079E+02	-.5993E+02	.4710E+02	-.4968E+03	-.7134E+02

SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

LLoads / Stress / Stress	Node	Axial / Axial / Maximum	Y-Shear / Y-Shear / Minimum	Z-Shear / Z-Shear / Cmb. Shear	Torsion / Torsion	Y-Bending / Y-Bending	Z-Bending / Z-Bending
			BEAM NO. 81				
LLoads	200	-.2830E+02	.3779E+03	.3984E+02	-.1073E+03	.7634E+03	.7134E+02
LLoads	167	.2102E+02	-.3549E+03	-.4711E+02	.1073E+03	-.1220E+04	.3776E+04
			BEAM NO. 82				
LLoads	167	-.2144E+03	-.2967E+03	.7372E+01	.1087E+03	-.1962E+03	-.3687E+04
LLoads	199	.2050E+03	.3262E+03	-.1673E+02	-.1087E+03	.3348E+02	-.5174E+03
			BEAM NO. 83				
LLoads	199	.1045E+03	-.4244E+02	-.6272E+01	-.2028E+01	.1350E+02	.5174E+03
LLoads	198	-.1129E+03	.6867E+02	-.2044E+01	.2028E+01	.1187E+02	-.1184E+04
			BEAM NO. 84				
LLoads	198	.5269E+02	.5585E+02	-.7146E+01	.1042E+02	-.2668E+02	.1184E+04
LLoads	197	-.6100E+02	-.2962E+02	-.1170E+01	-.1042E+02	.6254E+02	-.6713E+03
			BEAM NO. 85				
LLoads	197	-.2301E+03	.7987E+02	-.2034E+01	.5331E+01	-.6440E+02	.6713E+03
LLoads	196	.2218E+03	-.5364E+02	-.6281E+01	-.5331E+01	.3892E+02	.1297E+03
			BEAM NO. 86				
LLoads	196	-.7338E+03	.9992E+02	-.2101E+02	-.8619E+02	-.1018E+03	-.1297E+03
LLoads	159	.7244E+03	-.7041E+02	.1165E+02	.8619E+02	.3222E+03	.1279E+04
			BEAM NO. 87				
LLoads	159	-.3213E+03	-.5895E+02	-.3480E+03	.6551E+02	.2647E+04	-.9328E+03
LLoads	195	.3118E+03	.8901E+02	.3385E+03	-.6551E+02	.2072E+04	-.8437E+02
			BEAM NO. 88				
LLoads	187	-.4202E+03	.2541E+03	-.2847E+03	.4168E+02	.1740E+04	.3737E+03
LLoads	130	.4297E+03	-.2241E+03	.2752E+03	-.4168E+02	.2109E+04	.2914E+04
			BEAM NO. 89				
LLoads	130	-.7900E+03	-.2424E+03	-.2967E+02	-.5118E+02	.4366E+03	-.3072E+04
LLoads	203	.7994E+03	.2719E+03	.2031E+02	.5118E+02	-.9923E+02	-.3992E+03
			BEAM NO. 90				
LLoads	203	-.2502E+03	-.5064E+02	-.9526E+01	.9960E+01	-.2358E+02	.3992E+03
LLoads	204	.2585E+03	.7687E+02	.1210E+01	-.9960E+01	.8799E+02	-.1164E+04
			BEAM NO. 91				
LLoads	204	-.1332E+03	.2346E+02	-.5989E+01	-.2112E+02	-.1103E+03	.1164E+04
LLoads	205	.1415E+03	.2765E+01	-.2327E+01	.2112E+02	.1323E+03	-.1040E+04
			BEAM NO. 92				
LLoads	205	-.3520E+03	.9297E+02	.5254E+01	-.1767E+02	-.1089E+03	.1040E+04
LLoads	206	.3603E+03	-.6674E+02	-.1357E+02	.1767E+02	-.4081E+01	-.8179E+02
			BEAM NO. 93				
LLoads	206	-.9747E+03	.3097E+03	.3102E+02	.7230E+02	.1847E+03	.8179E+02
LLoads	142	.9841E+03	-.2802E+03	-.4038E+02	-.7230E+02	-.6667E+03	.3899E+04
			BEAM NO. 94				
LLoads	142	-.5551E+03	-.2921E+03	.3294E+03	-.3895E+02	-.2483E+04	-.3754E+04

SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

LLoads / Stress / Stress	Node / Node / Node	Axial / Axial / Maximum	Y-Shear / Y-Shear / Minimum	Z-Shear / Z-Shear / Cmb. Shear	Torsion / Torsion	Y-Bending / Y-Bending	Z-Bending / Z-Bending
LLoads	195	.5646E+03	.3221E+03	-.3389E+03	.3895E+02	-.2112E+04	-.4684E+03
BEAM NO. 95							
LLoads	202	-.1665E+03	.9220E+02	-.2097E+03	.5674E+02	.7704E+03	.1919E+03
LLoads	151	.1570E+03	-.6215E+02	.2193E+03	-.5674E+02	.2179E+04	.8693E+03
BEAM NO. 96							
LLoads	151	-.2935E+03	-.3697E+02	-.1041E+02	-.8054E+02	.3250E+03	-.8929E+03
LLoads	210	.2841E+03	.6648E+02	.1977E+02	.8054E+02	-.1213E+03	.1946E+03
BEAM NO. 97							
LLoads	210	-.2235E+03	-.1012E+01	-.1963E-01	-.4502E+01	.4455E+02	-.1946E+03
LLoads	209	.2152E+03	.2724E+02	.8335E+01	.4502E+01	.5580E+01	.2506E+02
BEAM NO. 98							
LLoads	209	-.2281E+03	.3242E+02	.3259E+01	.1090E+02	-.2074E+02	-.2506E+02
LLoads	208	.2198E+03	-.6190E+01	.5057E+01	-.1090E+02	.3153E+02	.2567E+03
BEAM NO. 99							
LLoads	208	-.2647E+03	.3463E+02	.2251E+01	.1335E+02	-.3986E+02	-.2567E+03
LLoads	207	.2564E+03	-.8399E+01	.6065E+01	-.1335E+02	.6274E+02	.5149E+03
BEAM NO. 100							
LLoads	207	-.2721E+03	-.7382E+02	.1454E+02	.8792E+02	-.2650E+02	-.5149E+03
LLoads	139	.2628E+03	.1033E+03	-.5187E+01	-.8792E+02	-.1067E+03	-.6808E+03
BEAM NO. 101							
LLoads	139	-.6176E+02	.7388E+02	.2484E+03	-.8035E+02	-.2433E+04	.8654E+03
LLoads	194	.5223E+02	-.4383E+02	-.2388E+03	.8035E+02	-.9160E+03	-.5610E+02

SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

MAXIMUM STRESS SUMMARY FOR BEAMS/TRUSSES
WITHIN SPECIFIED RANGE 1- 101

Maximum (absolute) Stress = .2804E+04 at BEAM 44

Beam	Axial	Y-Shear	Z-Shear	Torsion	Y-Bending	Z-Bending
44	.5652E+01	.2316E+04	-.3521E+01	.3677E-14	-.1391E+02	-.2784E+04
	Maximum	Minimum	Cmb. Shear			
	.2804E+04	-.2792E+04	.1402E+04			

SOLVE PLATE LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

MAXIMUM STRESS SUMMARY FOR PLATES
WITHIN SPECIFIED RANGE 1- 174

Maximum (absolute) Stress = .2565E+04 at Plate 135

Plate	Sigma X	Sigma Y	Tau XY	Von Mises
135	.9094E+02	-.1091E+03	.1478E+04	.2565E+04

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

SPRING LOADS

Type	Node	Fx	Fy	Fz	Mx	My	Mz
			GSPRG NO. 1				
GLoads	130	.0000E+00	-.1898E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 2				
GLoads	139	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 3				
GLoads	142	.0000E+00	-.2136E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 4				
GLoads	151	.0000E+00	-.6586E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 5				
GLoads	154	.0000E+00	-.2555E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 6				
GLoads	159	.0000E+00	-.7328E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 7				
GLoads	162	.0000E+00	-.4566E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 8				
GLoads	167	.0000E+00	-.2531E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 9				
GLoads	187	.0000E+00	-.4402E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 10				
GLoads	188	.0000E+00	-.8476E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 11				
GLoads	189	.0000E+00	-.7285E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 12				
GLoads	190	.0000E+00	-.1176E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 13				
GLoads	191	.0000E+00	-.1389E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 14				
GLoads	192	.0000E+00	-.1866E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 15				
GLoads	193	.0000E+00	-.5371E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 16				
GLoads	194	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 17				
GLoads	195	.0000E+00	-.5658E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 18				
GLoads	196	.0000E+00	-.4770E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 19				
GLoads	197	.0000E+00	-.2126E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 20				
GLoads	198	.0000E+00	-.2442E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
			GSPRG NO. 21				
GLoads	199	.0000E+00	-.9355E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 22				
GLoads	200	.0000E+00	-.1167E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 23				
GLoads	201	.0000E+00	-.4396E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 24				
GLoads	202	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 25				
GLoads	203	.0000E+00	-.7104E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 26				
GLoads	204	.0000E+00	-.2005E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 27				
GLoads	205	.0000E+00	-.2866E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 28				
GLoads	206	.0000E+00	-.9118E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 29				
GLoads	207	.0000E+00	-.3008E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 30				
GLoads	208	.0000E+00	-.4363E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 31				
GLoads	209	.0000E+00	-.4716E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 32				
GLoads	210	.0000E+00	-.5656E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE REACTIONS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+LIVE+SEIS(X=-.402,Y=-1.268,Z=-.402)

REACTIONS

Node	Fx	Fy	Fz	Mx	My	Mz
172	.4869E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
176	.2394E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
180	.0000E+00	.0000E+00	.3504E+04	.0000E+00	.0000E+00	.0000E+00
184	.0000E+00	.0000E+00	.3759E+04	.0000E+00	.0000E+00	.0000E+00

DESIGN ANALYSIS

Client WHC

Subject Flexible Receiver Support - design and analysis.

Location 241-AY-02B - Sluicing Pit

WO/Job No. CR 1257

Date

By M. B. Lasota

Checked

By

Revised N/A

By N/A

Attachment 4.

Static Analysis -Pit Wall evaluation - Run ID=GT44887

Date: 07-01-1994; Time: 15:24:26

Total 50 pages + three cover sheets.

=============== I M A G E S 3 D ===============

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CHECK GEOMETRY Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

MATERIAL PROPERTIES

Material No	Modulus of Elasticity	Weight Density	Coeff of Thermal Exp.	Poisson's Ratio	Shear Web Modulus
1	4.15350E+05	8.10000E-02	6.33000E-06	1.50E-01	0.00000E+00
2	5.30860E+05	8.10000E-02	6.33000E-06	1.50E-01	0.00000E+00

NODE COORDINATES

Node	X-Coord.	Y-Coord.	Z-Coord.
1	2.87500E+00	0.00000E+00	0.00000E+00
2	8.37500E+00	0.00000E+00	0.00000E+00
3	1.83750E+01	0.00000E+00	0.00000E+00
4	2.89750E+01	0.00000E+00	0.00000E+00
5	3.95750E+01	0.00000E+00	0.00000E+00
6	5.01750E+01	0.00000E+00	0.00000E+00
7	6.07750E+01	0.00000E+00	0.00000E+00
8	7.13750E+01	0.00000E+00	0.00000E+00
9	8.13750E+01	0.00000E+00	0.00000E+00
10	9.13750E+01	0.00000E+00	0.00000E+00
11	1.01375E+02	0.00000E+00	0.00000E+00
12	1.10875E+02	0.00000E+00	0.00000E+00
13	2.87500E+00	1.20000E+01	0.00000E+00
14	8.37500E+00	1.20000E+01	0.00000E+00
15	1.83750E+01	1.20000E+01	0.00000E+00
16	2.89750E+01	1.20000E+01	0.00000E+00
17	3.95750E+01	1.20000E+01	0.00000E+00
18	5.01750E+01	1.20000E+01	0.00000E+00
19	6.07750E+01	1.20000E+01	0.00000E+00
20	7.13750E+01	1.20000E+01	0.00000E+00
21	8.13750E+01	1.20000E+01	0.00000E+00
22	9.13750E+01	1.20000E+01	0.00000E+00
23	1.01375E+02	1.20000E+01	0.00000E+00
24	1.10875E+02	1.20000E+01	0.00000E+00
25	2.87500E+00	2.40000E+01	0.00000E+00
26	8.37500E+00	2.40000E+01	0.00000E+00
27	1.83750E+01	2.40000E+01	0.00000E+00
28	2.89750E+01	2.40000E+01	0.00000E+00
29	3.95750E+01	2.40000E+01	0.00000E+00

CHECK GEOMETRY Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

Node	X-Coord.	Y-Coord.	Z-Coord.
30	5.01750E+01	2.40000E+01	0.00000E+00
31	6.07750E+01	2.40000E+01	0.00000E+00
32	7.13750E+01	2.40000E+01	0.00000E+00
33	8.13750E+01	2.40000E+01	0.00000E+00
34	9.13750E+01	2.40000E+01	0.00000E+00
35	1.01375E+02	2.40000E+01	0.00000E+00
36	1.10875E+02	2.40000E+01	0.00000E+00
37	2.87500E+00	3.60000E+01	0.00000E+00
38	8.37500E+00	3.60000E+01	0.00000E+00
39	1.83750E+01	3.60000E+01	0.00000E+00
40	2.89750E+01	3.60000E+01	0.00000E+00
41	3.95750E+01	3.60000E+01	0.00000E+00
42	5.01750E+01	3.60000E+01	0.00000E+00
43	6.07750E+01	3.60000E+01	0.00000E+00
44	7.13750E+01	3.60000E+01	0.00000E+00
45	8.13750E+01	3.60000E+01	0.00000E+00
46	9.13750E+01	3.60000E+01	0.00000E+00
47	1.01375E+02	3.60000E+01	0.00000E+00
48	1.10875E+02	3.60000E+01	0.00000E+00
49	2.87500E+00	4.80000E+01	0.00000E+00
50	8.37500E+00	4.80000E+01	0.00000E+00
51	1.83750E+01	4.80000E+01	0.00000E+00
52	2.89750E+01	4.80000E+01	0.00000E+00
53	3.95750E+01	4.80000E+01	0.00000E+00
54	5.01750E+01	4.80000E+01	0.00000E+00
55	6.07750E+01	4.80000E+01	0.00000E+00
56	7.13750E+01	4.80000E+01	0.00000E+00
57	8.13750E+01	4.80000E+01	0.00000E+00
58	9.13750E+01	4.80000E+01	0.00000E+00
59	1.01375E+02	4.80000E+01	0.00000E+00
60	1.10875E+02	4.80000E+01	0.00000E+00
61	2.87500E+00	6.00000E+01	0.00000E+00
62	8.37500E+00	6.00000E+01	0.00000E+00
63	1.83750E+01	6.00000E+01	0.00000E+00
64	2.89750E+01	6.00000E+01	0.00000E+00
65	3.95750E+01	6.00000E+01	0.00000E+00
66	5.01750E+01	6.00000E+01	0.00000E+00
67	6.07750E+01	6.00000E+01	0.00000E+00
68	7.13750E+01	6.00000E+01	0.00000E+00
69	8.13750E+01	6.00000E+01	0.00000E+00
70	9.13750E+01	6.00000E+01	0.00000E+00
71	1.01375E+02	6.00000E+01	0.00000E+00

CHECK GEOMETRY Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

Node	X-Coord.	Y-Coord.	Z-Coord.
72	1.10875E+02	6.00000E+01	0.00000E+00
73	2.87500E+00	7.20000E+01	0.00000E+00
74	8.37500E+00	7.20000E+01	0.00000E+00
75	1.83750E+01	7.20000E+01	0.00000E+00
76	2.89750E+01	7.20000E+01	0.00000E+00
77	3.95750E+01	7.20000E+01	0.00000E+00
78	5.01750E+01	7.20000E+01	0.00000E+00
79	6.07750E+01	7.20000E+01	0.00000E+00
80	7.13750E+01	7.20000E+01	0.00000E+00
81	8.13750E+01	7.20000E+01	0.00000E+00
82	9.13750E+01	7.20000E+01	0.00000E+00
83	1.01375E+02	7.20000E+01	0.00000E+00
84	1.10875E+02	7.20000E+01	0.00000E+00
85	2.87500E+00	8.40000E+01	0.00000E+00
86	8.37500E+00	8.40000E+01	0.00000E+00
87	1.83750E+01	8.40000E+01	0.00000E+00
88	2.89750E+01	8.40000E+01	0.00000E+00
89	3.95750E+01	8.40000E+01	0.00000E+00
90	5.01750E+01	8.40000E+01	0.00000E+00
91	6.07750E+01	8.40000E+01	0.00000E+00
92	7.13750E+01	8.40000E+01	0.00000E+00
93	8.13750E+01	8.40000E+01	0.00000E+00
94	9.13750E+01	8.40000E+01	0.00000E+00
95	1.01375E+02	8.40000E+01	0.00000E+00
96	1.10875E+02	8.40000E+01	0.00000E+00
97	2.15625E+00	9.00000E+01	0.00000E+00
98	1.43750E+00	9.60000E+01	0.00000E+00
99	7.18750E-01	1.02000E+02	0.00000E+00
100	0.00000E+00	1.08000E+02	0.00000E+00
101	8.37500E+00	9.00000E+01	0.00000E+00
102	1.83750E+01	9.00000E+01	0.00000E+00
103	2.89750E+01	9.00000E+01	0.00000E+00
104	3.95750E+01	9.00000E+01	0.00000E+00
105	5.01750E+01	9.00000E+01	0.00000E+00
106	6.07750E+01	9.00000E+01	0.00000E+00
107	7.13750E+01	9.00000E+01	0.00000E+00
108	8.13750E+01	9.00000E+01	0.00000E+00
109	9.13750E+01	9.00000E+01	0.00000E+00
110	1.01375E+02	9.00000E+01	0.00000E+00
111	8.37500E+00	9.60000E+01	0.00000E+00
112	1.83750E+01	9.60000E+01	0.00000E+00
113	2.89750E+01	9.60000E+01	0.00000E+00

CHECK GEOMETRY Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

Node	X-Coord.	Y-Coord.	Z-Coord.
114	3.95750E+01	9.60000E+01	0.00000E+00
115	5.01750E+01	9.60000E+01	0.00000E+00
116	6.07750E+01	9.60000E+01	0.00000E+00
117	7.13750E+01	9.60000E+01	0.00000E+00
118	8.13750E+01	9.60000E+01	0.00000E+00
119	9.13750E+01	9.60000E+01	0.00000E+00
120	1.01375E+02	9.60000E+01	0.00000E+00
121	8.37500E+00	1.02000E+02	0.00000E+00
122	1.83750E+01	1.02000E+02	0.00000E+00
123	2.89750E+01	1.02000E+02	0.00000E+00
124	3.95750E+01	1.02000E+02	0.00000E+00
125	5.01750E+01	1.02000E+02	0.00000E+00
126	6.07750E+01	1.02000E+02	0.00000E+00
127	7.13750E+01	1.02000E+02	0.00000E+00
128	8.13750E+01	1.02000E+02	0.00000E+00
129	9.13750E+01	1.02000E+02	0.00000E+00
130	1.01375E+02	1.02000E+02	0.00000E+00
131	8.37500E+00	1.08000E+02	0.00000E+00
132	1.83750E+01	1.08000E+02	0.00000E+00
133	2.89750E+01	1.08000E+02	0.00000E+00
134	3.95750E+01	1.08000E+02	0.00000E+00
135	5.01750E+01	1.08000E+02	0.00000E+00
136	6.07750E+01	1.08000E+02	0.00000E+00
137	7.13750E+01	1.08000E+02	0.00000E+00
138	8.13750E+01	1.08000E+02	0.00000E+00
139	9.13750E+01	1.08000E+02	0.00000E+00
140	1.01375E+02	1.08000E+02	0.00000E+00
141	1.11594E+02	9.00000E+01	0.00000E+00
142	1.12313E+02	9.60000E+01	0.00000E+00
143	1.13031E+02	1.02000E+02	0.00000E+00
144	1.13750E+02	1.08000E+02	0.00000E+00

PLATE ELEMENT CONNECTIVITY

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	1	1	2	14	13	1	1.200E+01	6.600E+01		4.583E-01	M+B
QUAD	2	2	3	15	14	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	3	3	4	16	15	1	1.200E+01	1.272E+02		8.833E-01	M+B

CHECK GEOMETRY Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	4	4	5	17	16	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	5	5	6	18	17	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	6	6	7	19	18	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	7	7	8	20	19	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	8	8	9	21	20	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	9	9	10	22	21	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	10	10	11	23	22	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	11	11	12	24	23	1	1.200E+01	1.140E+02		7.917E-01	M+B
QUAD	12	13	14	26	25	1	1.200E+01	6.600E+01		4.583E-01	M+B
QUAD	13	14	15	27	26	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	14	15	16	28	27	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	15	16	17	29	28	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	16	17	18	30	29	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	17	18	19	31	30	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	18	19	20	32	31	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	19	20	21	33	32	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	20	21	22	34	33	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	21	22	23	35	34	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	22	23	24	36	35	1	1.200E+01	1.140E+02		7.917E-01	M+B
QUAD	23	25	26	38	37	1	1.200E+01	6.600E+01		4.583E-01	M+B
QUAD	24	26	27	39	38	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	25	27	28	40	39	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	26	28	29	41	40	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	27	29	30	42	41	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	28	30	31	43	42	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	29	31	32	44	43	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	30	32	33	45	44	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	31	33	34	46	45	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	32	34	35	47	46	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	33	35	36	48	47	1	1.200E+01	1.140E+02		7.917E-01	M+B
QUAD	34	37	38	50	49	1	1.200E+01	6.600E+01		4.583E-01	M+B
QUAD	35	38	39	51	50	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	36	39	40	52	51	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	37	40	41	53	52	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	38	41	42	54	53	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	39	42	43	55	54	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	40	43	44	56	55	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	41	44	45	57	56	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	42	45	46	58	57	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	43	46	47	59	58	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	44	47	48	60	59	1	1.200E+01	1.140E+02		7.917E-01	M+B

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Evaluation of the Sluicing Pit Wall

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	45	49	50	62	61	1	1.200E+01	6.600E+01		4.583E-01	M+B
QUAD	46	50	51	63	62	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	47	51	52	64	63	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	48	52	53	65	64	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	49	53	54	66	65	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	50	54	55	67	66	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	51	55	56	68	67	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	52	56	57	69	68	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	53	57	58	70	69	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	54	58	59	71	70	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	55	59	60	72	71	1	1.200E+01	1.140E+02		7.917E-01	M+B
QUAD	56	61	62	74	73	1	1.200E+01	6.600E+01		4.583E-01	M+B
QUAD	57	62	63	75	74	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	58	63	64	76	75	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	59	64	65	77	76	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	60	65	66	78	77	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	61	66	67	79	78	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	62	67	68	80	79	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	63	68	69	81	80	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	64	69	70	82	81	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	65	70	71	83	82	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	66	71	72	84	83	1	1.200E+01	1.140E+02		7.917E-01	M+B
QUAD	67	73	74	86	85	1	1.200E+01	6.600E+01		4.583E-01	M+B
QUAD	68	74	75	87	86	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	69	75	76	88	87	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	70	76	77	89	88	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	71	77	78	90	89	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	72	78	79	91	90	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	73	79	80	92	91	1	1.200E+01	1.272E+02		8.833E-01	M+B
QUAD	74	80	81	93	92	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	75	81	82	94	93	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	76	82	83	95	94	1	1.200E+01	1.200E+02		8.333E-01	M+B
QUAD	77	83	84	96	95	1	1.200E+01	1.140E+02		7.917E-01	M+B
QUAD	78	85	86	101	97	2	7.630E+00	3.516E+01		9.748E-01	M+B
QUAD	79	86	87	102	101	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	80	87	88	103	102	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	81	88	89	104	103	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	82	89	90	105	104	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	83	90	91	106	105	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	84	91	92	107	106	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	85	92	93	108	107	2	7.630E+00	6.000E+01		1.667E+00	M+B

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Evaluation of the Sluicing Pit Wall

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	86	93	94	109	108	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	87	94	95	110	109	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	88	95	96	141	110	2	7.630E+00	5.916E+01		1.640E+00	M+B
QUAD	89	97	101	111	98	2	7.630E+00	3.947E+01		1.094E+00	M+B
QUAD	90	101	102	112	111	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	91	102	103	113	112	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	92	103	104	114	113	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	93	104	105	115	114	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	94	105	106	116	115	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	95	106	107	117	116	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	96	107	108	118	117	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	97	108	109	119	118	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	98	109	110	120	119	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	99	110	141	142	120	2	7.630E+00	6.347E+01		1.760E+00	M+B
QUAD	100	98	111	121	99	2	7.630E+00	4.378E+01		1.214E+00	M+B
QUAD	101	111	112	122	121	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	102	112	113	123	122	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	103	113	114	124	123	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	104	114	115	125	124	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	105	115	116	126	125	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	106	116	117	127	126	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	107	117	118	128	127	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	108	118	119	129	128	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	109	119	120	130	129	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	110	120	142	143	130	2	7.630E+00	6.778E+01		1.879E+00	M+B
QUAD	111	99	121	131	100	2	7.630E+00	4.809E+01		1.334E+00	M+B
QUAD	112	121	122	132	131	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	113	122	123	133	132	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	114	123	124	134	133	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	115	124	125	135	134	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	116	125	126	136	135	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	117	126	127	137	136	2	7.630E+00	6.360E+01		1.767E+00	M+B
QUAD	118	127	128	138	137	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	119	128	129	139	138	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	120	129	130	140	139	2	7.630E+00	6.000E+01		1.667E+00	M+B
QUAD	121	130	143	144	140	2	7.630E+00	7.209E+01		1.999E+00	M+B

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Evaluation of the Sluicing Pit Wall

RESTRAINTS

Node No	Global/Local	Restraint Directions
1	GLOBAL	X Y Z RX RY RZ
2	GLOBAL	X Y Z RX RY RZ
3	GLOBAL	X Y Z RX RY RZ
4	GLOBAL	X Y Z RX RY RZ
5	GLOBAL	X Y Z RX RY RZ
6	GLOBAL	X Y Z RX RY RZ
7	GLOBAL	X Y Z RX RY RZ
8	GLOBAL	X Y Z RX RY RZ
9	GLOBAL	X Y Z RX RY RZ
10	GLOBAL	X Y Z RX RY RZ
11	GLOBAL	X Y Z RX RY RZ
12	GLOBAL	X Y Z RX RY RZ
13	GLOBAL	X Y Z RX RY RZ
24	GLOBAL	X Y Z RX RY RZ
25	GLOBAL	X Y Z RX RY RZ
36	GLOBAL	X Y Z RX RY RZ
37	GLOBAL	X Y Z RX RY RZ
48	GLOBAL	X Y Z RX RY RZ
49	GLOBAL	X Y Z RX RY RZ
60	GLOBAL	X Y Z RX RY RZ
61	GLOBAL	X Y Z RX RY RZ
72	GLOBAL	X Y Z RX RY RZ
73	GLOBAL	X Y Z RX RY RZ
84	GLOBAL	X Y Z RX RY RZ
85	GLOBAL	X Y Z RX RY RZ
96	GLOBAL	X Y Z RX RY RZ
97	GLOBAL	X Y Z RX RY RZ
98	GLOBAL	X Y Z RX RY RZ
99	GLOBAL	X Y Z RX RY RZ
100	GLOBAL	X Y Z RX RY RZ
141	GLOBAL	X Y Z RX RY RZ
142	GLOBAL	X Y Z RX RY RZ
143	GLOBAL	X Y Z RX RY RZ
144	GLOBAL	X Y Z RX RY RZ

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 1
AMPLIFIED SELF WEIGHT

GRAVITY LOADING

Direction	Gravity Factor	Load Factor
X	.0000E+00	.1000E+01
Y	-.1000E+01	.1000E+01
Z	.3000E+00	.1000E+01

INERTIA LOADING

Direction	Translational Accel.	Rotational Accel.	Rotational Velocity	Origin
X	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Y	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Z	.0000E+00	.0000E+00	.0000E+00	.0000E+00

Gravity Acceleration = .3864E+03

REFERENCE TEMPERATURE = .0000E+00

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 2
SEISMIC SOIL PRESSURE

GRAVITY LOADING

Direction	Gravity Factor	Load Factor
X	.0000E+00	.1000E+01
Y	.0000E+00	.1000E+01
Z	.0000E+00	.1000E+01

INERTIA LOADING

Direction	Translational Accel.	Rotational Accel.	Rotational Velocity	Origin
X	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Y	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Z	.0000E+00	.0000E+00	.0000E+00	.0000E+00

Gravity Acceleration = .3864E+03

REFERENCE TEMPERATURE = .0000E+00

PLATE TEMPERATURES/PRESSURES

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
1	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
2	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
3	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
4	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
5	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
6	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 2
SEISMIC SOIL PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
7	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
8	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
9	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
10	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
11	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.0000E+00	.0000E+00	.2738E+00	.2738E+00
12	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
13	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
14	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
15	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
16	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
17	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
18	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
19	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
20	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
21	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
22	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2738E+00	.2738E+00	.5475E+00	.5475E+00
23	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
24	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
25	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
26	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 2

SEISMIC SOIL PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
-----	-----	-----	-----	-----
27	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
28	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
29	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
30	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
31	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
32	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
33	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5475E+00	.5475E+00	.8213E+00	.8213E+00
34	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
35	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
36	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
37	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
38	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
39	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
40	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
41	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
42	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
43	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
44	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8213E+00	.8213E+00	.1095E+01	.1095E+01
45	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
46	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 2
SEISMIC SOIL PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
47	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
48	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
49	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
50	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
51	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
52	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
53	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
54	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
55	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1095E+01	.1095E+01	.1369E+01	.1369E+01
56	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
57	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
58	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
59	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
60	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
61	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
62	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
63	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
64	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
65	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01
66	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1369E+01	.1369E+01	.1643E+01	.1643E+01

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

LOAD CASE 2
SEISMIC SOIL PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
67	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
68	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
69	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
70	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
71	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
72	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
73	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
74	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
75	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
76	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
77	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1643E+01	.1643E+01	.1916E+01	.1916E+01
78	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
79	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
80	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
81	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
82	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
83	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
84	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
85	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
86	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 2

SEISMIC SOIL PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
87	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
88	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1916E+01	.1916E+01	.2053E+01	.2053E+01
89	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
90	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
91	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
92	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
93	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
94	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
95	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
96	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
97	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
98	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01
99	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.2053E+01	.2053E+01	.2190E+01	.2190E+01

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 3
LATERAL EARTH PRESSURE

GRAVITY LOADING

Direction	Gravity Factor	Load Factor
X	.0000E+00	.1000E+01
Y	.0000E+00	.1000E+01
Z	.0000E+00	.1000E+01

INERTIA LOADING

Direction	Translational Accel.	Rotational Accel.	Rotational Velocity	Origin
X	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Y	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Z	.0000E+00	.0000E+00	.0000E+00	.0000E+00

Gravity Acceleration = .3864E+03

REFERENCE TEMPERATURE = .0000E+00

PLATE TEMPERATURES/PRESSURES

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
1	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
2	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
3	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
4	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
5	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
6	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01

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Evaluation of the Sluicing Pit Wall

LOAD CASE 3
LATERAL EARTH PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
7	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
8	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
9	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
10	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
11	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1216E+01	.1216E+01
12	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
13	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
14	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
15	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
16	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
17	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
18	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
19	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
20	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
21	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
22	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1216E+01	.1216E+01	.1043E+01	.1043E+01
23	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
24	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
25	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
26	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 3
LATERAL EARTH PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
27	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
28	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
29	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
30	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
31	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
32	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
33	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1043E+01	.1043E+01	.8687E+00	.8687E+00
34	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
35	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
36	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
37	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
38	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
39	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
40	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
41	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
42	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
43	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
44	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E+00	.8687E+00	.6950E+00	.6950E+00
45	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
46	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 3
LATERAL EARTH PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
47	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
48	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
49	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
50	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
51	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
52	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
53	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
54	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
55	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6950E+00	.6950E+00	.5213E+00	.5213E+00
56	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
57	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
58	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
59	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
60	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
61	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
62	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
63	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
64	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
65	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00
66	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5213E+00	.5213E+00	.3475E+00	.3475E+00

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 3
LATERAL EARTH PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
67	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
68	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
69	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
70	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
71	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
72	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
73	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
74	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
75	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
76	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
77	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.3475E+00	.3475E+00	.1737E+00	.1737E+00
78	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
79	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
80	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
81	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
82	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
83	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
84	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
85	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
86	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 3
LATERAL EARTH PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
87	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
88	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1737E+00	.1737E+00	.8687E-01	.8687E-01
89	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
90	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
91	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
92	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
93	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
94	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
95	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
96	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
97	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
98	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16
99	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.8687E-01	.8687E-01	.5551E-16	.5551E-16

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 4

PLATFORM LOAD

GRAVITY LOADING

Direction	Gravity Factor	Load Factor
X	.0000E+00	.1000E+01
Y	.0000E+00	.1000E+01
Z	.0000E+00	.1000E+01

INERTIA LOADING

Direction	Translational Accel.	Rotational Accel.	Rotational Velocity	Origin
X	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Y	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Z	.0000E+00	.0000E+00	.0000E+00	.0000E+00

Gravity Acceleration = .3864E+03

REFERENCE TEMPERATURE = .0000E+00

PLATE TEMPERATURES/PRESSURES

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
101	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.5840E+02	.5840E+02	.5840E+02	.5840E+02
107	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.6270E+02	.6270E+02	.6270E+02	.6270E+02

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 5
OVERBURDEN PRESSURE

GRAVITY LOADING

Direction	Gravity Factor	Load Factor
X	.0000E+00	.1000E+01
Y	.0000E+00	.1000E+01
Z	.0000E+00	.1000E+01

INERTIA LOADING

Direction	Translational Accel.	Rotational Accel.	Rotational Velocity	Origin
X	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Y	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Z	.0000E+00	.0000E+00	.0000E+00	.0000E+00

Gravity Acceleration = .3864E+03

REFERENCE TEMPERATURE = .0000E+00

PLATE TEMPERATURES/PRESSURES

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
1	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
2	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
3	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
4	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
5	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
6	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 5
OVERBURDEN PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
7	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
8	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
9	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
10	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
11	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
12	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
13	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
14	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
15	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
16	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
17	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
18	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
19	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
20	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
21	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
22	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
23	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
24	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
25	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
26	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 5

OVERBURDEN PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
-----	-----	-----	-----	-----
27	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
28	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
29	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
30	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
31	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
32	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
33	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
34	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
35	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
36	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
37	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
38	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
39	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
40	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
41	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
42	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
43	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
44	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
45	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
46	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 5
OVERBURDEN PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
47	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
48	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
49	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
50	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
51	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
52	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
53	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
54	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
55	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
56	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
57	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
58	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
59	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
60	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
61	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
62	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
63	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
64	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
65	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
66	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01

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Evaluation of the Sluicing Pit Wall

L O A D C A S E 5

OVERBURDEN PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
67	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
68	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
69	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
70	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
71	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
72	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
73	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
74	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
75	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
76	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
77	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
78	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
79	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
80	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
81	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
82	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
83	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
84	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
85	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
86	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

LOAD CASE 5

OVERBURDEN PRESSURE

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
87	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
88	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
89	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
90	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
91	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
92	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
93	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
94	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
95	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
96	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
97	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
98	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01
99	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	.1390E+01	.1390E+01	.1390E+01	.1390E+01

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 1
AMPLIFIED SELF WEIGHT

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
1	.0000E+00	-.1604E+02	.4811E+01	.0000E+00	.0000E+00	.0000E+00
2	.0000E+00	-.4520E+02	.1356E+02	.0000E+00	.0000E+00	.0000E+00
3	.0000E+00	-.6007E+02	.1802E+02	.0000E+00	.0000E+00	.0000E+00
4	.0000E+00	-.6182E+02	.1855E+02	.0000E+00	.0000E+00	.0000E+00
5	.0000E+00	-.6182E+02	.1855E+02	.0000E+00	.0000E+00	.0000E+00
6	.0000E+00	-.6182E+02	.1855E+02	.0000E+00	.0000E+00	.0000E+00
7	.0000E+00	-.6182E+02	.1855E+02	.0000E+00	.0000E+00	.0000E+00
8	.0000E+00	-.6007E+02	.1802E+02	.0000E+00	.0000E+00	.0000E+00
9	.0000E+00	-.5832E+02	.1750E+02	.0000E+00	.0000E+00	.0000E+00
10	.0000E+00	-.5832E+02	.1750E+02	.0000E+00	.0000E+00	.0000E+00
11	.0000E+00	-.5686E+02	.1706E+02	.0000E+00	.0000E+00	.0000E+00
12	.0000E+00	-.2770E+02	.8311E+01	.0000E+00	.0000E+00	.0000E+00
13	.0000E+00	-.3208E+02	.9623E+01	.0000E+00	.0000E+00	.0000E+00
14	.0000E+00	-.9040E+02	.2712E+02	.0000E+00	.0000E+00	.0000E+00
15	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
16	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
17	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
18	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
19	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
20	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
21	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
22	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
23	.0000E+00	-.1137E+03	.3412E+02	.0000E+00	.0000E+00	.0000E+00
24	.0000E+00	-.5540E+02	.1662E+02	.0000E+00	.0000E+00	.0000E+00
25	.0000E+00	-.3208E+02	.9623E+01	.0000E+00	.0000E+00	.0000E+00
26	.0000E+00	-.9040E+02	.2712E+02	.0000E+00	.0000E+00	.0000E+00
27	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
28	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
29	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
30	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
31	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
32	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
33	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
34	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
35	.0000E+00	-.1137E+03	.3412E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 1
AMPLIFIED SELF WEIGHT

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
36	.0000E+00	-.5540E+02	.1662E+02	.0000E+00	.0000E+00	.0000E+00
37	.0000E+00	-.3208E+02	.9623E+01	.0000E+00	.0000E+00	.0000E+00
38	.0000E+00	-.9040E+02	.2712E+02	.0000E+00	.0000E+00	.0000E+00
39	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
40	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
41	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
42	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
43	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
44	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
45	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
46	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
47	.0000E+00	-.1137E+03	.3412E+02	.0000E+00	.0000E+00	.0000E+00
48	.0000E+00	-.5540E+02	.1662E+02	.0000E+00	.0000E+00	.0000E+00
49	.0000E+00	-.3208E+02	.9623E+01	.0000E+00	.0000E+00	.0000E+00
50	.0000E+00	-.9040E+02	.2712E+02	.0000E+00	.0000E+00	.0000E+00
51	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
52	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
53	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
54	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
55	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
56	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
57	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
58	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
59	.0000E+00	-.1137E+03	.3412E+02	.0000E+00	.0000E+00	.0000E+00
60	.0000E+00	-.5540E+02	.1662E+02	.0000E+00	.0000E+00	.0000E+00
61	.0000E+00	-.3208E+02	.9623E+01	.0000E+00	.0000E+00	.0000E+00
62	.0000E+00	-.9040E+02	.2712E+02	.0000E+00	.0000E+00	.0000E+00
63	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
64	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
65	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
66	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
67	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
68	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
69	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
70	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
71	.0000E+00	-.1137E+03	.3412E+02	.0000E+00	.0000E+00	.0000E+00
72	.0000E+00	-.5540E+02	.1662E+02	.0000E+00	.0000E+00	.0000E+00
73	.0000E+00	-.3208E+02	.9623E+01	.0000E+00	.0000E+00	.0000E+00
74	.0000E+00	-.9040E+02	.2712E+02	.0000E+00	.0000E+00	.0000E+00
75	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 1
AMPLIFIED SELF WEIGHT

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
76	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
77	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
78	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
79	.0000E+00	-.1236E+03	.3709E+02	.0000E+00	.0000E+00	.0000E+00
80	.0000E+00	-.1201E+03	.3604E+02	.0000E+00	.0000E+00	.0000E+00
81	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
82	.0000E+00	-.1166E+03	.3499E+02	.0000E+00	.0000E+00	.0000E+00
83	.0000E+00	-.1137E+03	.3412E+02	.0000E+00	.0000E+00	.0000E+00
84	.0000E+00	-.5540E+02	.1662E+02	.0000E+00	.0000E+00	.0000E+00
85	.0000E+00	-.2136E+02	.6408E+01	.0000E+00	.0000E+00	.0000E+00
86	.0000E+00	-.5979E+02	.1794E+02	.0000E+00	.0000E+00	.0000E+00
87	.0000E+00	-.7917E+02	.2375E+02	.0000E+00	.0000E+00	.0000E+00
88	.0000E+00	-.8147E+02	.2444E+02	.0000E+00	.0000E+00	.0000E+00
89	.0000E+00	-.8147E+02	.2444E+02	.0000E+00	.0000E+00	.0000E+00
90	.0000E+00	-.8147E+02	.2444E+02	.0000E+00	.0000E+00	.0000E+00
91	.0000E+00	-.8147E+02	.2444E+02	.0000E+00	.0000E+00	.0000E+00
92	.0000E+00	-.7917E+02	.2375E+02	.0000E+00	.0000E+00	.0000E+00
93	.0000E+00	-.7686E+02	.2306E+02	.0000E+00	.0000E+00	.0000E+00
94	.0000E+00	-.7686E+02	.2306E+02	.0000E+00	.0000E+00	.0000E+00
95	.0000E+00	-.7516E+02	.2255E+02	.0000E+00	.0000E+00	.0000E+00
96	.0000E+00	-.3673E+02	.1102E+02	.0000E+00	.0000E+00	.0000E+00
97	.0000E+00	-.1153E+02	.3459E+01	.0000E+00	.0000E+00	.0000E+00
98	.0000E+00	-.1286E+02	.3859E+01	.0000E+00	.0000E+00	.0000E+00
99	.0000E+00	-.1420E+02	.4259E+01	.0000E+00	.0000E+00	.0000E+00
100	.0000E+00	-.7542E+01	.2263E+01	.0000E+00	.0000E+00	.0000E+00
101	.0000E+00	-.3007E+02	.9021E+01	.0000E+00	.0000E+00	.0000E+00
102	.0000E+00	-.3819E+02	.1146E+02	.0000E+00	.0000E+00	.0000E+00
103	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
104	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
105	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
106	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
107	.0000E+00	-.3819E+02	.1146E+02	.0000E+00	.0000E+00	.0000E+00
108	.0000E+00	-.3708E+02	.1112E+02	.0000E+00	.0000E+00	.0000E+00
109	.0000E+00	-.3708E+02	.1112E+02	.0000E+00	.0000E+00	.0000E+00
110	.0000E+00	-.3749E+02	.1125E+02	.0000E+00	.0000E+00	.0000E+00
111	.0000E+00	-.3140E+02	.9421E+01	.0000E+00	.0000E+00	.0000E+00
112	.0000E+00	-.3819E+02	.1146E+02	.0000E+00	.0000E+00	.0000E+00
113	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
114	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
115	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 1
AMPLIFIED SELF WEIGHT

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
116	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
117	.0000E+00	-.3819E+02	.1146E+02	.0000E+00	.0000E+00	.0000E+00
118	.0000E+00	-.3708E+02	.1112E+02	.0000E+00	.0000E+00	.0000E+00
119	.0000E+00	-.3708E+02	.1112E+02	.0000E+00	.0000E+00	.0000E+00
120	.0000E+00	-.3882E+02	.1165E+02	.0000E+00	.0000E+00	.0000E+00
121	.0000E+00	-.3274E+02	.9821E+01	.0000E+00	.0000E+00	.0000E+00
122	.0000E+00	-.3819E+02	.1146E+02	.0000E+00	.0000E+00	.0000E+00
123	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
124	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
125	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
126	.0000E+00	-.3931E+02	.1179E+02	.0000E+00	.0000E+00	.0000E+00
127	.0000E+00	-.3819E+02	.1146E+02	.0000E+00	.0000E+00	.0000E+00
128	.0000E+00	-.3708E+02	.1112E+02	.0000E+00	.0000E+00	.0000E+00
129	.0000E+00	-.3708E+02	.1112E+02	.0000E+00	.0000E+00	.0000E+00
130	.0000E+00	-.4015E+02	.1205E+02	.0000E+00	.0000E+00	.0000E+00
131	.0000E+00	-.1681E+02	.5044E+01	.0000E+00	.0000E+00	.0000E+00
132	.0000E+00	-.1910E+02	.5729E+01	.0000E+00	.0000E+00	.0000E+00
133	.0000E+00	-.1965E+02	.5896E+01	.0000E+00	.0000E+00	.0000E+00
134	.0000E+00	-.1965E+02	.5896E+01	.0000E+00	.0000E+00	.0000E+00
135	.0000E+00	-.1965E+02	.5896E+01	.0000E+00	.0000E+00	.0000E+00
136	.0000E+00	-.1965E+02	.5896E+01	.0000E+00	.0000E+00	.0000E+00
137	.0000E+00	-.1910E+02	.5729E+01	.0000E+00	.0000E+00	.0000E+00
138	.0000E+00	-.1854E+02	.5562E+01	.0000E+00	.0000E+00	.0000E+00
139	.0000E+00	-.1854E+02	.5562E+01	.0000E+00	.0000E+00	.0000E+00
140	.0000E+00	-.2052E+02	.6156E+01	.0000E+00	.0000E+00	.0000E+00
141	.0000E+00	-.1895E+02	.5684E+01	.0000E+00	.0000E+00	.0000E+00
142	.0000E+00	-.2028E+02	.6084E+01	.0000E+00	.0000E+00	.0000E+00
143	.0000E+00	-.2161E+02	.6484E+01	.0000E+00	.0000E+00	.0000E+00
144	.0000E+00	-.1125E+02	.3375E+01	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 2
SEISMIC SOIL PRESSURE

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
1	.0000E+00	.0000E+00	.1506E+01	.0000E+00	.0000E+00	.0000E+00
2	.0000E+00	.0000E+00	.4243E+01	.0000E+00	.0000E+00	.0000E+00
3	.0000E+00	.0000E+00	.5639E+01	.0000E+00	.0000E+00	.0000E+00
4	.0000E+00	.0000E+00	.5804E+01	.0000E+00	.0000E+00	.0000E+00
5	.0000E+00	.0000E+00	.5803E+01	.0000E+00	.0000E+00	.0000E+00
6	.0000E+00	.0000E+00	.5804E+01	.0000E+00	.0000E+00	.0000E+00
7	.0000E+00	.0000E+00	.5804E+01	.0000E+00	.0000E+00	.0000E+00
8	.0000E+00	.0000E+00	.5639E+01	.0000E+00	.0000E+00	.0000E+00
9	.0000E+00	.0000E+00	.5475E+01	.0000E+00	.0000E+00	.0000E+00
10	.0000E+00	.0000E+00	.5475E+01	.0000E+00	.0000E+00	.0000E+00
11	.0000E+00	.0000E+00	.5338E+01	.0000E+00	.0000E+00	.0000E+00
12	.0000E+00	.0000E+00	.2601E+01	.0000E+00	.0000E+00	.0000E+00
13	.0000E+00	.0000E+00	.9034E+01	.0000E+00	.0000E+00	.0000E+00
14	.0000E+00	.0000E+00	.2546E+02	.0000E+00	.0000E+00	.0000E+00
15	.0000E+00	.0000E+00	.3384E+02	.0000E+00	.0000E+00	.0000E+00
16	.0000E+00	.0000E+00	.3482E+02	.0000E+00	.0000E+00	.0000E+00
17	.0000E+00	.0000E+00	.3482E+02	.0000E+00	.0000E+00	.0000E+00
18	.0000E+00	.0000E+00	.3482E+02	.0000E+00	.0000E+00	.0000E+00
19	.0000E+00	.0000E+00	.3482E+02	.0000E+00	.0000E+00	.0000E+00
20	.0000E+00	.0000E+00	.3384E+02	.0000E+00	.0000E+00	.0000E+00
21	.0000E+00	.0000E+00	.3285E+02	.0000E+00	.0000E+00	.0000E+00
22	.0000E+00	.0000E+00	.3285E+02	.0000E+00	.0000E+00	.0000E+00
23	.0000E+00	.0000E+00	.3203E+02	.0000E+00	.0000E+00	.0000E+00
24	.0000E+00	.0000E+00	.1560E+02	.0000E+00	.0000E+00	.0000E+00
25	.0000E+00	.0000E+00	.1807E+02	.0000E+00	.0000E+00	.0000E+00
26	.0000E+00	.0000E+00	.5092E+02	.0000E+00	.0000E+00	.0000E+00
27	.0000E+00	.0000E+00	.6767E+02	.0000E+00	.0000E+00	.0000E+00
28	.0000E+00	.0000E+00	.6964E+02	.0000E+00	.0000E+00	.0000E+00
29	.0000E+00	.0000E+00	.6964E+02	.0000E+00	.0000E+00	.0000E+00
30	.0000E+00	.0000E+00	.6964E+02	.0000E+00	.0000E+00	.0000E+00
31	.0000E+00	.0000E+00	.6964E+02	.0000E+00	.0000E+00	.0000E+00
32	.0000E+00	.0000E+00	.6767E+02	.0000E+00	.0000E+00	.0000E+00
33	.0000E+00	.0000E+00	.6570E+02	.0000E+00	.0000E+00	.0000E+00
34	.0000E+00	.0000E+00	.6570E+02	.0000E+00	.0000E+00	.0000E+00
35	.0000E+00	.0000E+00	.6406E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 2

SEISMIC SOIL PRESSURE

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
36	.0000E+00	.0000E+00	.3121E+02	.0000E+00	.0000E+00	.0000E+00
37	.0000E+00	.0000E+00	.2710E+02	.0000E+00	.0000E+00	.0000E+00
38	.0000E+00	.0000E+00	.7638E+02	.0000E+00	.0000E+00	.0000E+00
39	.0000E+00	.0000E+00	.1015E+03	.0000E+00	.0000E+00	.0000E+00
40	.0000E+00	.0000E+00	.1045E+03	.0000E+00	.0000E+00	.0000E+00
41	.0000E+00	.0000E+00	.1045E+03	.0000E+00	.0000E+00	.0000E+00
42	.0000E+00	.0000E+00	.1045E+03	.0000E+00	.0000E+00	.0000E+00
43	.0000E+00	.0000E+00	.1045E+03	.0000E+00	.0000E+00	.0000E+00
44	.0000E+00	.0000E+00	.1015E+03	.0000E+00	.0000E+00	.0000E+00
45	.0000E+00	.0000E+00	.9855E+02	.0000E+00	.0000E+00	.0000E+00
46	.0000E+00	.0000E+00	.9855E+02	.0000E+00	.0000E+00	.0000E+00
47	.0000E+00	.0000E+00	.9609E+02	.0000E+00	.0000E+00	.0000E+00
48	.0000E+00	.0000E+00	.4681E+02	.0000E+00	.0000E+00	.0000E+00
49	.0000E+00	.0000E+00	.3614E+02	.0000E+00	.0000E+00	.0000E+00
50	.0000E+00	.0000E+00	.1018E+03	.0000E+00	.0000E+00	.0000E+00
51	.0000E+00	.0000E+00	.1353E+03	.0000E+00	.0000E+00	.0000E+00
52	.0000E+00	.0000E+00	.1393E+03	.0000E+00	.0000E+00	.0000E+00
53	.0000E+00	.0000E+00	.1393E+03	.0000E+00	.0000E+00	.0000E+00
54	.0000E+00	.0000E+00	.1393E+03	.0000E+00	.0000E+00	.0000E+00
55	.0000E+00	.0000E+00	.1393E+03	.0000E+00	.0000E+00	.0000E+00
56	.0000E+00	.0000E+00	.1353E+03	.0000E+00	.0000E+00	.0000E+00
57	.0000E+00	.0000E+00	.1314E+03	.0000E+00	.0000E+00	.0000E+00
58	.0000E+00	.0000E+00	.1314E+03	.0000E+00	.0000E+00	.0000E+00
59	.0000E+00	.0000E+00	.1281E+03	.0000E+00	.0000E+00	.0000E+00
60	.0000E+00	.0000E+00	.6242E+02	.0000E+00	.0000E+00	.0000E+00
61	.0000E+00	.0000E+00	.4517E+02	.0000E+00	.0000E+00	.0000E+00
62	.0000E+00	.0000E+00	.1273E+03	.0000E+00	.0000E+00	.0000E+00
63	.0000E+00	.0000E+00	.1692E+03	.0000E+00	.0000E+00	.0000E+00
64	.0000E+00	.0000E+00	.1741E+03	.0000E+00	.0000E+00	.0000E+00
65	.0000E+00	.0000E+00	.1741E+03	.0000E+00	.0000E+00	.0000E+00
66	.0000E+00	.0000E+00	.1741E+03	.0000E+00	.0000E+00	.0000E+00
67	.0000E+00	.0000E+00	.1741E+03	.0000E+00	.0000E+00	.0000E+00
68	.0000E+00	.0000E+00	.1692E+03	.0000E+00	.0000E+00	.0000E+00
69	.0000E+00	.0000E+00	.1642E+03	.0000E+00	.0000E+00	.0000E+00
70	.0000E+00	.0000E+00	.1642E+03	.0000E+00	.0000E+00	.0000E+00
71	.0000E+00	.0000E+00	.1601E+03	.0000E+00	.0000E+00	.0000E+00
72	.0000E+00	.0000E+00	.7802E+02	.0000E+00	.0000E+00	.0000E+00
73	.0000E+00	.0000E+00	.5420E+02	.0000E+00	.0000E+00	.0000E+00
74	.0000E+00	.0000E+00	.1528E+03	.0000E+00	.0000E+00	.0000E+00
75	.0000E+00	.0000E+00	.2030E+03	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 2
SEISMIC SOIL PRESSURE

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
76	.0000E+00	.0000E+00	.2089E+03	.0000E+00	.0000E+00	.0000E+00
77	.0000E+00	.0000E+00	.2089E+03	.0000E+00	.0000E+00	.0000E+00
78	.0000E+00	.0000E+00	.2089E+03	.0000E+00	.0000E+00	.0000E+00
79	.0000E+00	.0000E+00	.2089E+03	.0000E+00	.0000E+00	.0000E+00
80	.0000E+00	.0000E+00	.2030E+03	.0000E+00	.0000E+00	.0000E+00
81	.0000E+00	.0000E+00	.1971E+03	.0000E+00	.0000E+00	.0000E+00
82	.0000E+00	.0000E+00	.1971E+03	.0000E+00	.0000E+00	.0000E+00
83	.0000E+00	.0000E+00	.1922E+03	.0000E+00	.0000E+00	.0000E+00
84	.0000E+00	.0000E+00	.9362E+02	.0000E+00	.0000E+00	.0000E+00
85	.0000E+00	.0000E+00	.4701E+02	.0000E+00	.0000E+00	.0000E+00
86	.0000E+00	.0000E+00	.1312E+03	.0000E+00	.0000E+00	.0000E+00
87	.0000E+00	.0000E+00	.1734E+03	.0000E+00	.0000E+00	.0000E+00
88	.0000E+00	.0000E+00	.1785E+03	.0000E+00	.0000E+00	.0000E+00
89	.0000E+00	.0000E+00	.1785E+03	.0000E+00	.0000E+00	.0000E+00
90	.0000E+00	.0000E+00	.1785E+03	.0000E+00	.0000E+00	.0000E+00
91	.0000E+00	.0000E+00	.1785E+03	.0000E+00	.0000E+00	.0000E+00
92	.0000E+00	.0000E+00	.1734E+03	.0000E+00	.0000E+00	.0000E+00
93	.0000E+00	.0000E+00	.1684E+03	.0000E+00	.0000E+00	.0000E+00
94	.0000E+00	.0000E+00	.1684E+03	.0000E+00	.0000E+00	.0000E+00
95	.0000E+00	.0000E+00	.1649E+03	.0000E+00	.0000E+00	.0000E+00
96	.0000E+00	.0000E+00	.8068E+02	.0000E+00	.0000E+00	.0000E+00
97	.0000E+00	.0000E+00	.3835E+02	.0000E+00	.0000E+00	.0000E+00
98	.0000E+00	.0000E+00	.2155E+02	.0000E+00	.0000E+00	.0000E+00
101	.0000E+00	.0000E+00	.9995E+02	.0000E+00	.0000E+00	.0000E+00
102	.0000E+00	.0000E+00	.1269E+03	.0000E+00	.0000E+00	.0000E+00
103	.0000E+00	.0000E+00	.1306E+03	.0000E+00	.0000E+00	.0000E+00
104	.0000E+00	.0000E+00	.1306E+03	.0000E+00	.0000E+00	.0000E+00
105	.0000E+00	.0000E+00	.1306E+03	.0000E+00	.0000E+00	.0000E+00
106	.0000E+00	.0000E+00	.1306E+03	.0000E+00	.0000E+00	.0000E+00
107	.0000E+00	.0000E+00	.1269E+03	.0000E+00	.0000E+00	.0000E+00
108	.0000E+00	.0000E+00	.1232E+03	.0000E+00	.0000E+00	.0000E+00
109	.0000E+00	.0000E+00	.1232E+03	.0000E+00	.0000E+00	.0000E+00
110	.0000E+00	.0000E+00	.1246E+03	.0000E+00	.0000E+00	.0000E+00
111	.0000E+00	.0000E+00	.5372E+02	.0000E+00	.0000E+00	.0000E+00
112	.0000E+00	.0000E+00	.6626E+02	.0000E+00	.0000E+00	.0000E+00
113	.0000E+00	.0000E+00	.6819E+02	.0000E+00	.0000E+00	.0000E+00
114	.0000E+00	.0000E+00	.6819E+02	.0000E+00	.0000E+00	.0000E+00
115	.0000E+00	.0000E+00	.6819E+02	.0000E+00	.0000E+00	.0000E+00
116	.0000E+00	.0000E+00	.6819E+02	.0000E+00	.0000E+00	.0000E+00
117	.0000E+00	.0000E+00	.6626E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 2
SEISMIC SOIL PRESSURE

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
118	.0000E+00	.0000E+00	.6433E+02	.0000E+00	.0000E+00	.0000E+00
119	.0000E+00	.0000E+00	.6433E+02	.0000E+00	.0000E+00	.0000E+00
120	.0000E+00	.0000E+00	.6658E+02	.0000E+00	.0000E+00	.0000E+00
141	.0000E+00	.0000E+00	.6299E+02	.0000E+00	.0000E+00	.0000E+00
142	.0000E+00	.0000E+00	.3442E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

LOAD CASE 3
LATERAL EARTH PRESSURE

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
1	.0000E+00	.0000E+00	.2198E+02	.0000E+00	.0000E+00	.0000E+00
2	.0000E+00	.0000E+00	.6194E+02	.0000E+00	.0000E+00	.0000E+00
3	.0000E+00	.0000E+00	.8232E+02	.0000E+00	.0000E+00	.0000E+00
4	.0000E+00	.0000E+00	.8472E+02	.0000E+00	.0000E+00	.0000E+00
5	.0000E+00	.0000E+00	.8472E+02	.0000E+00	.0000E+00	.0000E+00
6	.0000E+00	.0000E+00	.8472E+02	.0000E+00	.0000E+00	.0000E+00
7	.0000E+00	.0000E+00	.8472E+02	.0000E+00	.0000E+00	.0000E+00
8	.0000E+00	.0000E+00	.8232E+02	.0000E+00	.0000E+00	.0000E+00
9	.0000E+00	.0000E+00	.7992E+02	.0000E+00	.0000E+00	.0000E+00
10	.0000E+00	.0000E+00	.7992E+02	.0000E+00	.0000E+00	.0000E+00
11	.0000E+00	.0000E+00	.7793E+02	.0000E+00	.0000E+00	.0000E+00
12	.0000E+00	.0000E+00	.3796E+02	.0000E+00	.0000E+00	.0000E+00
13	.0000E+00	.0000E+00	.4014E+02	.0000E+00	.0000E+00	.0000E+00
14	.0000E+00	.0000E+00	.1131E+03	.0000E+00	.0000E+00	.0000E+00
15	.0000E+00	.0000E+00	.1503E+03	.0000E+00	.0000E+00	.0000E+00
16	.0000E+00	.0000E+00	.1547E+03	.0000E+00	.0000E+00	.0000E+00
17	.0000E+00	.0000E+00	.1547E+03	.0000E+00	.0000E+00	.0000E+00
18	.0000E+00	.0000E+00	.1547E+03	.0000E+00	.0000E+00	.0000E+00
19	.0000E+00	.0000E+00	.1547E+03	.0000E+00	.0000E+00	.0000E+00
20	.0000E+00	.0000E+00	.1503E+03	.0000E+00	.0000E+00	.0000E+00
21	.0000E+00	.0000E+00	.1459E+03	.0000E+00	.0000E+00	.0000E+00
22	.0000E+00	.0000E+00	.1459E+03	.0000E+00	.0000E+00	.0000E+00
23	.0000E+00	.0000E+00	.1423E+03	.0000E+00	.0000E+00	.0000E+00
24	.0000E+00	.0000E+00	.6933E+02	.0000E+00	.0000E+00	.0000E+00
25	.0000E+00	.0000E+00	.3440E+02	.0000E+00	.0000E+00	.0000E+00
26	.0000E+00	.0000E+00	.9695E+02	.0000E+00	.0000E+00	.0000E+00
27	.0000E+00	.0000E+00	.1289E+03	.0000E+00	.0000E+00	.0000E+00
28	.0000E+00	.0000E+00	.1326E+03	.0000E+00	.0000E+00	.0000E+00
29	.0000E+00	.0000E+00	.1326E+03	.0000E+00	.0000E+00	.0000E+00
30	.0000E+00	.0000E+00	.1326E+03	.0000E+00	.0000E+00	.0000E+00
31	.0000E+00	.0000E+00	.1326E+03	.0000E+00	.0000E+00	.0000E+00
32	.0000E+00	.0000E+00	.1289E+03	.0000E+00	.0000E+00	.0000E+00
33	.0000E+00	.0000E+00	.1251E+03	.0000E+00	.0000E+00	.0000E+00
34	.0000E+00	.0000E+00	.1251E+03	.0000E+00	.0000E+00	.0000E+00
35	.0000E+00	.0000E+00	.1220E+03	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 3
LATERAL EARTH PRESSURE

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
36	.0000E+00	.0000E+00	.5942E+02	.0000E+00	.0000E+00	.0000E+00
37	.0000E+00	.0000E+00	.2867E+02	.0000E+00	.0000E+00	.0000E+00
38	.0000E+00	.0000E+00	.8079E+02	.0000E+00	.0000E+00	.0000E+00
39	.0000E+00	.0000E+00	.1074E+03	.0000E+00	.0000E+00	.0000E+00
40	.0000E+00	.0000E+00	.1105E+03	.0000E+00	.0000E+00	.0000E+00
41	.0000E+00	.0000E+00	.1105E+03	.0000E+00	.0000E+00	.0000E+00
42	.0000E+00	.0000E+00	.1105E+03	.0000E+00	.0000E+00	.0000E+00
43	.0000E+00	.0000E+00	.1105E+03	.0000E+00	.0000E+00	.0000E+00
44	.0000E+00	.0000E+00	.1074E+03	.0000E+00	.0000E+00	.0000E+00
45	.0000E+00	.0000E+00	.1042E+03	.0000E+00	.0000E+00	.0000E+00
46	.0000E+00	.0000E+00	.1042E+03	.0000E+00	.0000E+00	.0000E+00
47	.0000E+00	.0000E+00	.1016E+03	.0000E+00	.0000E+00	.0000E+00
48	.0000E+00	.0000E+00	.4952E+02	.0000E+00	.0000E+00	.0000E+00
49	.0000E+00	.0000E+00	.2293E+02	.0000E+00	.0000E+00	.0000E+00
50	.0000E+00	.0000E+00	.6463E+02	.0000E+00	.0000E+00	.0000E+00
51	.0000E+00	.0000E+00	.8590E+02	.0000E+00	.0000E+00	.0000E+00
52	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
53	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
54	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
55	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
56	.0000E+00	.0000E+00	.8590E+02	.0000E+00	.0000E+00	.0000E+00
57	.0000E+00	.0000E+00	.8340E+02	.0000E+00	.0000E+00	.0000E+00
58	.0000E+00	.0000E+00	.8340E+02	.0000E+00	.0000E+00	.0000E+00
59	.0000E+00	.0000E+00	.8131E+02	.0000E+00	.0000E+00	.0000E+00
60	.0000E+00	.0000E+00	.3961E+02	.0000E+00	.0000E+00	.0000E+00
61	.0000E+00	.0000E+00	.1720E+02	.0000E+00	.0000E+00	.0000E+00
62	.0000E+00	.0000E+00	.4848E+02	.0000E+00	.0000E+00	.0000E+00
63	.0000E+00	.0000E+00	.6443E+02	.0000E+00	.0000E+00	.0000E+00
64	.0000E+00	.0000E+00	.6630E+02	.0000E+00	.0000E+00	.0000E+00
65	.0000E+00	.0000E+00	.6630E+02	.0000E+00	.0000E+00	.0000E+00
66	.0000E+00	.0000E+00	.6630E+02	.0000E+00	.0000E+00	.0000E+00
67	.0000E+00	.0000E+00	.6630E+02	.0000E+00	.0000E+00	.0000E+00
68	.0000E+00	.0000E+00	.6443E+02	.0000E+00	.0000E+00	.0000E+00
69	.0000E+00	.0000E+00	.6255E+02	.0000E+00	.0000E+00	.0000E+00
70	.0000E+00	.0000E+00	.6255E+02	.0000E+00	.0000E+00	.0000E+00
71	.0000E+00	.0000E+00	.6099E+02	.0000E+00	.0000E+00	.0000E+00
72	.0000E+00	.0000E+00	.2971E+02	.0000E+00	.0000E+00	.0000E+00
73	.0000E+00	.0000E+00	.1147E+02	.0000E+00	.0000E+00	.0000E+00
74	.0000E+00	.0000E+00	.3232E+02	.0000E+00	.0000E+00	.0000E+00
75	.0000E+00	.0000E+00	.4295E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 3

LATERAL EARTH PRESSURE

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
76	.0000E+00	.0000E+00	.4420E+02	.0000E+00	.0000E+00	.0000E+00
77	.0000E+00	.0000E+00	.4420E+02	.0000E+00	.0000E+00	.0000E+00
78	.0000E+00	.0000E+00	.4420E+02	.0000E+00	.0000E+00	.0000E+00
79	.0000E+00	.0000E+00	.4420E+02	.0000E+00	.0000E+00	.0000E+00
80	.0000E+00	.0000E+00	.4295E+02	.0000E+00	.0000E+00	.0000E+00
81	.0000E+00	.0000E+00	.4170E+02	.0000E+00	.0000E+00	.0000E+00
82	.0000E+00	.0000E+00	.4170E+02	.0000E+00	.0000E+00	.0000E+00
83	.0000E+00	.0000E+00	.4066E+02	.0000E+00	.0000E+00	.0000E+00
84	.0000E+00	.0000E+00	.1981E+02	.0000E+00	.0000E+00	.0000E+00
85	.0000E+00	.0000E+00	.5064E+01	.0000E+00	.0000E+00	.0000E+00
86	.0000E+00	.0000E+00	.1419E+02	.0000E+00	.0000E+00	.0000E+00
87	.0000E+00	.0000E+00	.1879E+02	.0000E+00	.0000E+00	.0000E+00
88	.0000E+00	.0000E+00	.1934E+02	.0000E+00	.0000E+00	.0000E+00
89	.0000E+00	.0000E+00	.1934E+02	.0000E+00	.0000E+00	.0000E+00
90	.0000E+00	.0000E+00	.1934E+02	.0000E+00	.0000E+00	.0000E+00
91	.0000E+00	.0000E+00	.1934E+02	.0000E+00	.0000E+00	.0000E+00
92	.0000E+00	.0000E+00	.1879E+02	.0000E+00	.0000E+00	.0000E+00
93	.0000E+00	.0000E+00	.1824E+02	.0000E+00	.0000E+00	.0000E+00
94	.0000E+00	.0000E+00	.1824E+02	.0000E+00	.0000E+00	.0000E+00
95	.0000E+00	.0000E+00	.1783E+02	.0000E+00	.0000E+00	.0000E+00
96	.0000E+00	.0000E+00	.8713E+01	.0000E+00	.0000E+00	.0000E+00
97	.0000E+00	.0000E+00	.1590E+01	.0000E+00	.0000E+00	.0000E+00
98	.0000E+00	.0000E+00	.2857E+00	.0000E+00	.0000E+00	.0000E+00
101	.0000E+00	.0000E+00	.4196E+01	.0000E+00	.0000E+00	.0000E+00
102	.0000E+00	.0000E+00	.5369E+01	.0000E+00	.0000E+00	.0000E+00
103	.0000E+00	.0000E+00	.5525E+01	.0000E+00	.0000E+00	.0000E+00
104	.0000E+00	.0000E+00	.5525E+01	.0000E+00	.0000E+00	.0000E+00
105	.0000E+00	.0000E+00	.5525E+01	.0000E+00	.0000E+00	.0000E+00
106	.0000E+00	.0000E+00	.5525E+01	.0000E+00	.0000E+00	.0000E+00
107	.0000E+00	.0000E+00	.5369E+01	.0000E+00	.0000E+00	.0000E+00
108	.0000E+00	.0000E+00	.5212E+01	.0000E+00	.0000E+00	.0000E+00
109	.0000E+00	.0000E+00	.5212E+01	.0000E+00	.0000E+00	.0000E+00
110	.0000E+00	.0000E+00	.5238E+01	.0000E+00	.0000E+00	.0000E+00
111	.0000E+00	.0000E+00	.7201E+00	.0000E+00	.0000E+00	.0000E+00
112	.0000E+00	.0000E+00	.8948E+00	.0000E+00	.0000E+00	.0000E+00
113	.0000E+00	.0000E+00	.9209E+00	.0000E+00	.0000E+00	.0000E+00
114	.0000E+00	.0000E+00	.9209E+00	.0000E+00	.0000E+00	.0000E+00
115	.0000E+00	.0000E+00	.9209E+00	.0000E+00	.0000E+00	.0000E+00
116	.0000E+00	.0000E+00	.9209E+00	.0000E+00	.0000E+00	.0000E+00
117	.0000E+00	.0000E+00	.8948E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 3

LATERAL EARTH PRESSURE

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
118	.0000E+00	.0000E+00	.8687E+00	.0000E+00	.0000E+00	.0000E+00
119	.0000E+00	.0000E+00	.8687E+00	.0000E+00	.0000E+00	.0000E+00
120	.0000E+00	.0000E+00	.8939E+00	.0000E+00	.0000E+00	.0000E+00
141	.0000E+00	.0000E+00	.2632E+01	.0000E+00	.0000E+00	.0000E+00
142	.0000E+00	.0000E+00	.4595E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

PLATFORM LOAD

L O A D C A S E 4

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
111	.0000E+00	.0000E+00	.8760E+03	.0000E+00	.0000E+00	.0000E+00
112	.0000E+00	.0000E+00	.8760E+03	.0000E+00	.0000E+00	.0000E+00
117	.0000E+00	.0000E+00	.9405E+03	.0000E+00	.0000E+00	.0000E+00
118	.0000E+00	.0000E+00	.9405E+03	.0000E+00	.0000E+00	.0000E+00
121	.0000E+00	.0000E+00	.8760E+03	.0000E+00	.0000E+00	.0000E+00
122	.0000E+00	.0000E+00	.8760E+03	.0000E+00	.0000E+00	.0000E+00
127	.0000E+00	.0000E+00	.9405E+03	.0000E+00	.0000E+00	.0000E+00
128	.0000E+00	.0000E+00	.9405E+03	.0000E+00	.0000E+00	.0000E+00

=============== I M A G E S 3 D ===============

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SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

OVERBURDEN PRESSURE L O A D C A S E 5

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
1	.0000E+00	.0000E+00	.2293E+02	.0000E+00	.0000E+00	.0000E+00
2	.0000E+00	.0000E+00	.6463E+02	.0000E+00	.0000E+00	.0000E+00
3	.0000E+00	.0000E+00	.8590E+02	.0000E+00	.0000E+00	.0000E+00
4	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
5	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
6	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
7	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
8	.0000E+00	.0000E+00	.8590E+02	.0000E+00	.0000E+00	.0000E+00
9	.0000E+00	.0000E+00	.8340E+02	.0000E+00	.0000E+00	.0000E+00
10	.0000E+00	.0000E+00	.8340E+02	.0000E+00	.0000E+00	.0000E+00
11	.0000E+00	.0000E+00	.8131E+02	.0000E+00	.0000E+00	.0000E+00
12	.0000E+00	.0000E+00	.3961E+02	.0000E+00	.0000E+00	.0000E+00
13	.0000E+00	.0000E+00	.4587E+02	.0000E+00	.0000E+00	.0000E+00
14	.0000E+00	.0000E+00	.1293E+03	.0000E+00	.0000E+00	.0000E+00
15	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
16	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
17	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
18	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
19	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
20	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
21	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
22	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
23	.0000E+00	.0000E+00	.1626E+03	.0000E+00	.0000E+00	.0000E+00
24	.0000E+00	.0000E+00	.7923E+02	.0000E+00	.0000E+00	.0000E+00
25	.0000E+00	.0000E+00	.4587E+02	.0000E+00	.0000E+00	.0000E+00
26	.0000E+00	.0000E+00	.1293E+03	.0000E+00	.0000E+00	.0000E+00
27	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
28	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
29	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
30	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
31	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
32	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
33	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
34	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
35	.0000E+00	.0000E+00	.1626E+03	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

OVERBURDEN PRESSURE L O A D C A S E 5

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
36	.0000E+00	.0000E+00	.7923E+02	.0000E+00	.0000E+00	.0000E+00
37	.0000E+00	.0000E+00	.4587E+02	.0000E+00	.0000E+00	.0000E+00
38	.0000E+00	.0000E+00	.1293E+03	.0000E+00	.0000E+00	.0000E+00
39	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
40	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
41	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
42	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
43	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
44	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
45	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
46	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
47	.0000E+00	.0000E+00	.1626E+03	.0000E+00	.0000E+00	.0000E+00
48	.0000E+00	.0000E+00	.7923E+02	.0000E+00	.0000E+00	.0000E+00
49	.0000E+00	.0000E+00	.4587E+02	.0000E+00	.0000E+00	.0000E+00
50	.0000E+00	.0000E+00	.1293E+03	.0000E+00	.0000E+00	.0000E+00
51	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
52	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
53	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
54	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
55	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
56	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
57	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
58	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
59	.0000E+00	.0000E+00	.1626E+03	.0000E+00	.0000E+00	.0000E+00
60	.0000E+00	.0000E+00	.7923E+02	.0000E+00	.0000E+00	.0000E+00
61	.0000E+00	.0000E+00	.4587E+02	.0000E+00	.0000E+00	.0000E+00
62	.0000E+00	.0000E+00	.1293E+03	.0000E+00	.0000E+00	.0000E+00
63	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
64	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
65	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
66	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
67	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
68	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
69	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
70	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
71	.0000E+00	.0000E+00	.1626E+03	.0000E+00	.0000E+00	.0000E+00
72	.0000E+00	.0000E+00	.7923E+02	.0000E+00	.0000E+00	.0000E+00
73	.0000E+00	.0000E+00	.4587E+02	.0000E+00	.0000E+00	.0000E+00
74	.0000E+00	.0000E+00	.1293E+03	.0000E+00	.0000E+00	.0000E+00
75	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

L O A D C A S E 5

OVERBURDEN PRESSURE

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
76	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
77	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
78	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
79	.0000E+00	.0000E+00	.1768E+03	.0000E+00	.0000E+00	.0000E+00
80	.0000E+00	.0000E+00	.1718E+03	.0000E+00	.0000E+00	.0000E+00
81	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
82	.0000E+00	.0000E+00	.1668E+03	.0000E+00	.0000E+00	.0000E+00
83	.0000E+00	.0000E+00	.1626E+03	.0000E+00	.0000E+00	.0000E+00
84	.0000E+00	.0000E+00	.7923E+02	.0000E+00	.0000E+00	.0000E+00
85	.0000E+00	.0000E+00	.3490E+02	.0000E+00	.0000E+00	.0000E+00
86	.0000E+00	.0000E+00	.9745E+02	.0000E+00	.0000E+00	.0000E+00
87	.0000E+00	.0000E+00	.1289E+03	.0000E+00	.0000E+00	.0000E+00
88	.0000E+00	.0000E+00	.1326E+03	.0000E+00	.0000E+00	.0000E+00
89	.0000E+00	.0000E+00	.1326E+03	.0000E+00	.0000E+00	.0000E+00
90	.0000E+00	.0000E+00	.1326E+03	.0000E+00	.0000E+00	.0000E+00
91	.0000E+00	.0000E+00	.1326E+03	.0000E+00	.0000E+00	.0000E+00
92	.0000E+00	.0000E+00	.1289E+03	.0000E+00	.0000E+00	.0000E+00
93	.0000E+00	.0000E+00	.1251E+03	.0000E+00	.0000E+00	.0000E+00
94	.0000E+00	.0000E+00	.1251E+03	.0000E+00	.0000E+00	.0000E+00
95	.0000E+00	.0000E+00	.1225E+03	.0000E+00	.0000E+00	.0000E+00
96	.0000E+00	.0000E+00	.5992E+02	.0000E+00	.0000E+00	.0000E+00
97	.0000E+00	.0000E+00	.2593E+02	.0000E+00	.0000E+00	.0000E+00
98	.0000E+00	.0000E+00	.1397E+02	.0000E+00	.0000E+00	.0000E+00
101	.0000E+00	.0000E+00	.6763E+02	.0000E+00	.0000E+00	.0000E+00
102	.0000E+00	.0000E+00	.8590E+02	.0000E+00	.0000E+00	.0000E+00
103	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
104	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
105	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
106	.0000E+00	.0000E+00	.8840E+02	.0000E+00	.0000E+00	.0000E+00
107	.0000E+00	.0000E+00	.8590E+02	.0000E+00	.0000E+00	.0000E+00
108	.0000E+00	.0000E+00	.8340E+02	.0000E+00	.0000E+00	.0000E+00
109	.0000E+00	.0000E+00	.8340E+02	.0000E+00	.0000E+00	.0000E+00
110	.0000E+00	.0000E+00	.8431E+02	.0000E+00	.0000E+00	.0000E+00
111	.0000E+00	.0000E+00	.3482E+02	.0000E+00	.0000E+00	.0000E+00
112	.0000E+00	.0000E+00	.4295E+02	.0000E+00	.0000E+00	.0000E+00
113	.0000E+00	.0000E+00	.4420E+02	.0000E+00	.0000E+00	.0000E+00
114	.0000E+00	.0000E+00	.4420E+02	.0000E+00	.0000E+00	.0000E+00
115	.0000E+00	.0000E+00	.4420E+02	.0000E+00	.0000E+00	.0000E+00
116	.0000E+00	.0000E+00	.4420E+02	.0000E+00	.0000E+00	.0000E+00
117	.0000E+00	.0000E+00	.4295E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

Evaluation of the Sluicing Pit Wall

OVERBURDEN PRESSURE L O A D C A S E 5

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
118	.0000E+00	.0000E+00	.4170E+02	.0000E+00	.0000E+00	.0000E+00
119	.0000E+00	.0000E+00	.4170E+02	.0000E+00	.0000E+00	.0000E+00
120	.0000E+00	.0000E+00	.4316E+02	.0000E+00	.0000E+00	.0000E+00
141	.0000E+00	.0000E+00	.4261E+02	.0000E+00	.0000E+00	.0000E+00
142	.0000E+00	.0000E+00	.2231E+02	.0000E+00	.0000E+00	.0000E+00

COMBINE RESULTS Version 2.0 07/01/90

Combined Plate Stresses

Load Combination Method
1.4*(F[1,1]+F[1,2]+F[1,4])+1.28*(F[1,3]+F[1,5])

Plate		Sigma-X	Sigma-Y	Tau-XY	Tau-XZ	Tau-YZ
67	T	-2.498E+02	-3.751E+01	-2.669E+01		
67	M	4.858E-01	-5.458E-02	-4.089E+00	4.861E+01	-2.148E+00
67	B	2.508E+02	3.741E+01	1.851E+01		
68	T	-1.320E+02	-2.481E+01	-3.685E+01		
68	M	1.774E-01	-2.934E-01	-3.191E+00	4.063E+01	-1.999E+00
68	B	1.324E+02	2.422E+01	3.047E+01		
69	T	-1.587E+01	-1.424E+01	-3.845E+01		
69	M	-8.239E-02	-5.683E-01	-2.299E+00	2.874E+01	1.528E+00
69	B	1.570E+01	1.310E+01	3.385E+01		
70	T	5.868E+01	-5.591E+00	-3.199E+01		
70	M	-2.543E-01	-9.101E-01	-1.499E+00	1.877E+01	2.728E+00
70	B	-5.919E+01	3.771E+00	2.899E+01		
71	T	1.039E+02	-1.440E+00	-2.355E+01		
71	M	-3.742E-01	-1.153E+00	-7.679E-01	1.136E+01	3.028E+00
71	B	-1.046E+02	-8.665E-01	2.201E+01		
72	T	1.285E+02	-3.434E+00	-1.161E+01		
72	M	-4.259E-01	-1.251E+00	-8.818E-02	4.103E+00	4.216E+00
72	B	-1.293E+02	9.322E-01	1.143E+01		
73	T	1.298E+02	-9.935E+00	6.863E+00		
73	M	-3.940E-01	-1.194E+00	5.850E-01	-5.417E+00	5.643E+00
73	B	-1.306E+02	7.546E+00	-5.693E+00		
74	T	9.838E+01	-1.587E+01	2.975E+01		
74	M	-2.933E-01	-9.969E-01	1.280E+00	-1.725E+01	5.857E+00
74	B	-9.897E+01	1.388E+01	-2.719E+01		
75	T	2.659E+01	-1.812E+01	4.751E+01		
75	M	-1.483E-01	-6.826E-01	2.014E+00	-2.933E+01	3.894E+00
75	B	-2.688E+01	1.675E+01	-4.349E+01		
76	T	-8.699E+01	-2.022E+01	4.890E+01		
76	M	5.624E-02	-3.893E-01	2.812E+00	-4.010E+01	-1.228E+00
76	B	8.710E+01	1.944E+01	-4.328E+01		
77	T	-2.349E+02	-3.472E+01	3.175E+01		
77	M	4.044E-01	-9.245E-02	3.837E+00	-4.876E+01	-2.371E+00
77	B	2.357E+02	3.453E+01	-2.408E+01		
78	T	-2.613E+02	-5.769E+01	-4.977E+01		
78	M	1.503E+00	-6.833E-01	-5.192E+00	6.187E+01	3.374E+00
78	B	2.643E+02	5.633E+01	3.938E+01		

COMBINE RESULTS Version 2.0 07/01/90

Combined Plate Stresses

Plate		Sigma-X	Sigma-Y	Tau-XY	Tau-XZ	Tau-YZ
79	T	-1.143E+02	-4.704E+01	-5.662E+01		
79	M	7.461E-01	-2.562E-01	-4.352E+00	4.607E+01	4.855E+00
79	B	1.158E+02	4.653E+01	4.791E+01		
80	T	-5.483E+00	-2.254E+01	-4.588E+01		
80	M	2.788E-02	-5.762E-01	-3.230E+00	2.788E+01	8.804E+00
80	B	5.538E+00	2.138E+01	3.942E+01		
81	T	5.327E+01	-2.731E+00	-3.684E+01		
81	M	-5.498E-01	-1.016E+00	-2.053E+00	1.832E+01	5.324E+00
81	B	-5.437E+01	6.981E-01	3.273E+01		
82	T	9.151E+01	4.992E+00	-3.068E+01		
82	M	-9.643E-01	-1.300E+00	-1.024E+00	1.212E+01	3.936E+00
82	B	-9.344E+01	-7.591E+00	2.863E+01		
83	T	1.159E+02	2.164E+00	-2.091E+01		
83	M	-1.130E+00	-1.401E+00	-1.171E-01	6.109E+00	7.723E+00
83	B	-1.182E+02	-4.966E+00	2.067E+01		
84	T	1.271E+02	-1.104E+01	2.408E-01		
84	M	-1.033E+00	-1.345E+00	7.743E-01	-2.695E+00	1.502E+01
84	B	-1.291E+02	8.350E+00	1.308E+00		
85	T	1.064E+02	-2.416E+01	3.754E+01		
85	M	-6.879E-01	-1.124E+00	1.735E+00	-1.804E+01	1.856E+01
85	B	-1.078E+02	2.191E+01	-3.407E+01		
86	T	3.470E+01	-2.714E+01	6.951E+01		
86	M	-1.850E-01	-7.328E-01	2.820E+00	-3.342E+01	1.347E+01
86	B	-3.507E+01	2.567E+01	-6.387E+01		
87	T	-7.901E+01	-3.367E+01	7.464E+01		
87	M	4.296E-01	-2.728E-01	3.932E+00	-4.422E+01	1.180E+00
87	B	7.986E+01	3.313E+01	-6.678E+01		
88	T	-2.401E+02	-4.874E+01	5.022E+01		
88	M	1.301E+00	-5.906E-01	4.961E+00	-5.524E+01	5.118E-02
88	B	2.427E+02	4.756E+01	-4.030E+01		
89	T	-2.921E+02	-4.873E+01	-4.542E+01		
89	M	2.064E+00	-5.136E-01	-4.526E+00	6.091E+01	9.993E+00
89	B	2.962E+02	4.770E+01	3.637E+01		
90	T	-1.018E+02	-1.607E+01	-3.747E+01		
90	M	1.226E+00	-1.857E-01	-3.867E+00	3.213E+01	1.477E+01
90	B	1.043E+02	1.569E+01	2.973E+01		
91	T	6.215E+00	6.822E-01	-2.793E+01		
91	M	2.268E-01	-5.616E-01	-2.747E+00	9.108E+00	9.399E+00
91	B	-5.761E+00	-1.805E+00	2.244E+01		
92	T	5.551E+01	6.073E+00	-2.591E+01		
92	M	-7.752E-01	-9.301E-01	-1.661E+00	8.237E+00	1.010E+00
92	B	-5.706E+01	-7.933E+00	2.258E+01		

COMBINE RESULTS Version 2.0 07/01/90

Combined Plate Stresses

Plate		Sigma-X	Sigma-Y	Tau-XY	Tau-XZ	Tau-YZ
93	T	9.541E+01	9.875E+00	-2.432E+01		
93	M	-1.419E+00	-1.105E+00	-8.148E-01	5.649E+00	4.237E-01
93	B	-9.825E+01	-1.208E+01	2.269E+01		
94	T	1.232E+02	1.315E+01	-1.927E+01		
94	M	-1.667E+00	-1.170E+00	-9.293E-02	3.968E+00	2.669E+00
94	B	-1.265E+02	-1.549E+01	1.908E+01		
95	T	1.512E+02	1.887E+01	-5.116E+00		
95	M	-1.523E+00	-1.132E+00	6.146E-01	6.384E+00	1.367E+01
95	B	-1.543E+02	-2.113E+01	6.345E+00		
96	T	1.436E+02	1.943E+01	2.762E+01		
96	M	-1.009E+00	-1.006E+00	1.384E+00	-9.310E+00	2.258E+01
96	B	-1.456E+02	-2.145E+01	-2.485E+01		
97	T	5.276E+01	3.950E+00	5.522E+01		
97	M	-1.240E-01	-7.169E-01	2.357E+00	-2.598E+01	1.306E+01
97	B	-5.301E+01	-5.384E+00	-5.050E+01		
98	T	-8.419E+01	-1.975E+01	5.299E+01		
98	M	8.390E-01	-2.238E-01	3.469E+00	-2.764E+01	3.993E-01
98	B	8.587E+01	1.931E+01	-4.605E+01		
99	T	-2.667E+02	-4.736E+01	4.043E+01		
99	M	1.850E+00	-4.472E-01	4.368E+00	-3.898E+01	8.674E-01
99	B	2.704E+02	4.646E+01	-3.169E+01		
100	T	-2.953E+02	-3.402E+01	-3.659E+01		
100	M	3.504E+00	-2.212E-01	-3.807E+00	6.783E+01	6.593E+00
100	B	3.023E+02	3.358E+01	2.897E+01		
101	T	-9.231E+01	1.139E+01	-3.636E+01		
101	M	2.142E+00	-1.013E-01	-3.092E+00	3.172E+01	3.744E+00
101	B	9.659E+01	-1.159E+01	3.017E+01		
102	T	1.143E+01	1.432E+01	-3.295E+01		
102	M	1.762E-01	-5.328E-01	-1.898E+00	4.038E+00	9.775E-01
102	B	-1.108E+01	-1.538E+01	2.916E+01		
103	T	5.496E+01	5.699E+00	-2.835E+01		
103	M	-1.308E+00	-7.027E-01	-1.098E+00	7.679E+00	-1.039E+00
103	B	-5.758E+01	-7.104E+00	2.615E+01		
104	T	9.607E+01	6.892E+00	-2.519E+01		
104	M	-2.163E+00	-7.862E-01	-5.265E-01	5.885E+00	-1.524E+00
104	B	-1.004E+02	-8.465E+00	2.413E+01		
105	T	1.272E+02	1.166E+01	-1.798E+01		
105	M	-2.480E+00	-8.135E-01	-5.972E-02	5.172E+00	-5.253E-01
105	B	-1.321E+02	-1.329E+01	1.786E+01		
106	T	1.681E+02	2.989E+01	6.146E-01		
106	M	-2.297E+00	-7.983E-01	3.947E-01	1.280E+01	1.838E+00
106	B	-1.727E+02	-3.149E+01	1.748E-01		

COMBINE RESULTS Version 2.0 07/01/90

Combined Plate Stresses

Plate		Sigma-X	Sigma-Y	Tau-XY	Tau-XZ	Tau-YZ
107	T	1.697E+02	4.226E+01	2.808E+01		
107	M	-1.632E+00	-7.326E-01	9.093E-01	-9.425E+00	3.295E+00
107	B	-1.729E+02	-4.372E+01	-2.626E+01		
108	T	6.384E+01	2.029E+01	4.950E+01		
108	M	-4.231E-01	-6.506E-01	1.548E+00	-3.301E+01	1.986E+00
108	B	-6.468E+01	-2.159E+01	-4.640E+01		
109	T	-9.170E+01	-9.099E+00	5.118E+01		
109	M	1.448E+00	-1.863E-01	2.671E+00	-2.828E+01	1.284E+00
109	B	9.460E+01	8.727E+00	-4.584E+01		
110	T	-2.738E+02	-4.106E+01	3.922E+01		
110	M	3.166E+00	-2.175E-01	3.657E+00	-3.752E+01	3.199E+00
110	B	2.801E+02	4.063E+01	-3.190E+01		
111	T	-2.820E+02	-2.523E+01	-1.640E+01		
111	M	7.209E+00	1.780E-01	-2.313E+00	5.834E+01	1.953E+00
111	B	2.964E+02	2.558E+01	1.178E+01		
112	T	-9.292E+01	1.153E+01	-2.585E+01		
112	M	2.746E+00	-9.099E-02	-1.245E+00	4.334E+01	-5.847E+00
112	B	9.842E+01	-1.172E+01	2.336E+01		
113	T	1.146E+01	7.426E+00	-2.711E+01		
113	M	-4.012E-01	-2.534E-01	-6.982E-01	2.019E+01	-4.143E+00
113	B	-1.226E+01	-7.933E+00	2.572E+01		
114	T	5.532E+01	1.769E+00	-2.064E+01		
114	M	-2.265E+00	-2.790E-01	-3.865E-01	1.719E+01	-2.420E-01
114	B	-5.985E+01	-2.327E+00	1.987E+01		
115	T	9.489E+01	1.875E+00	-1.754E+01		
115	M	-3.255E+00	-2.990E-01	-1.820E-01	1.474E+01	-8.908E-01
115	B	-1.014E+02	-2.473E+00	1.718E+01		
116	T	1.304E+02	3.711E+00	-1.168E+01		
116	M	-3.610E+00	-3.031E-01	-2.069E-02	1.213E+01	-5.914E-01
116	B	-1.376E+02	-4.318E+00	1.164E+01		
117	T	1.756E+02	1.333E+01	4.837E+00		
117	M	-3.408E+00	-3.014E-01	1.361E-01	8.440E+00	-5.198E+00
117	B	-1.824E+02	-1.393E+01	-4.565E+00		
118	T	1.769E+02	2.105E+01	1.974E+01		
118	M	-2.647E+00	-2.814E-01	3.166E-01	-1.942E+01	-9.999E+00
118	B	-1.822E+02	-2.162E+01	-1.911E+01		
119	T	6.730E+01	9.702E+00	3.008E+01		
119	M	-1.222E+00	-2.832E-01	5.620E-01	-4.659E+01	-4.931E+00
119	B	-6.975E+01	-1.027E+01	-2.895E+01		
120	T	-9.603E+01	9.114E-01	3.585E+01		
120	M	1.244E+00	-1.717E-01	9.092E-01	-4.777E+01	2.173E+00
120	B	9.852E+01	-1.255E+00	-3.403E+01		

COMBINE RESULTS Version 2.0 07/01/90

Combined Plate Stresses

Plate		Sigma-X	Sigma-Y	Tau-XY	Tau-XZ	Tau-YZ
121	T	-2.680E+02	-2.786E+01	2.463E+01		
121	M	6.246E+00	1.122E-01	2.120E+00	-3.983E+01	4.583E+00
121	B	2.805E+02	2.809E+01	-2.039E+01		

DESIGN ANALYSIS

Client WHC
Subject Flexible Receiver Support - design and analysis.
Location 241-AY-02B - Sluicing Pit

WO/Job No. CR 1257
Date 7/1/94 By M. B. Lasota
Checked 9/30/94 By M. R. Custer MRC
Revised N/A By N/A

Attachment 5.

Telecon "Lifting plates"

Date: 03-21-1994; Time: 14:00

Total 1 page + one cover sheet.

TELEPHONE CONFERENCE MEMORANDUM

Company: ICF KAISER Address: 1200 Jadwine, Richland,WA 99352

[] INCOMING [X] OUTGOING DATE: 3/21/94 TIME: 2:00pm

WITH: Nelson OF: McMASTER CARR PHONE: (310) 692-5911

Copies to: Ron Davidson Address: 200 Area
Subject: Swivel-Lifting Plate.

Civil/Structural	George J. Zyn	376-5053
Department	George J. Zyn	Telephone #

Summary of Conference

Based on McMASTER CARR Catalogue, the Swivel Lifting Plates - single swivel model (Cat. # 3070T21) can be welded to steel structure and transfer lifting capacity by the weld.

54-7600-098 (5/90) (EF) GEF017
Telephone Conference Memorandum

DESIGN ANALYSIS

Client WHC
Subject Flexible Receiver Support - design and analysis.
Location 241-AY-02B - Sluicing Pit

WO/Job No. ER 6160
Date 9-22-94 By M. B. Lasota
Checked 10-14-94 By RW Donaldson
Revised By M. B. Lasota

Attachment 6.

Static Analysis -Seismic Load -x,-y,-z, - Run ID=CJ70840

Date: 09-22-1994; Time: 09:11:28

Total 37 pages + three cover sheets.

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

MATERIAL PROPERTIES

Material No	Modulus of Elasticity	Weight Density	Coeff of Thermal Exp.	Poisson's Ratio	Shear Web Modulus
1	3.00000E+07	7.00200E-01	0.00000E+00	3.00E-01	1.12000E+07
2	1.00000E+09	1.00000E-09	0.00000E+00	3.00E-01	3.85000E+08
3	3.00000E+07	2.83000E-01	0.00000E+00	3.00E-01	1.12000E+07

NONLINEAT SPRING CONSTANTS

Spring Const.	S T I F F N E S S KT1	KC1	KT2	KC2	Limit Displacement Tension	Compression
1	1.000E+07	0.000E+00	1.000E+07	0.000E+00	0.000E+00	0.000E+00

NODE COORDINATES

Node	X-Coord.	Y-Coord.	Z-Coord.
1	0.00000E+00	0.00000E+00	0.00000E+00
2	2.75000E+00	0.00000E+00	0.00000E+00
3	1.65000E+01	0.00000E+00	0.00000E+00
4	3.00000E+01	0.00000E+00	0.00000E+00
5	4.20000E+01	0.00000E+00	0.00000E+00
6	5.40000E+01	0.00000E+00	0.00000E+00
7	6.60000E+01	0.00000E+00	0.00000E+00
8	7.95000E+01	0.00000E+00	0.00000E+00
9	9.00000E+01	0.00000E+00	0.00000E+00
10	1.02000E+02	0.00000E+00	0.00000E+00
11	1.17250E+02	0.00000E+00	0.00000E+00
12	1.20000E+02	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	2.75000E+00
14	2.75000E+00	0.00000E+00	2.75000E+00
15	1.65000E+01	0.00000E+00	2.75000E+00
16	3.00000E+01	0.00000E+00	2.75000E+00
17	4.20000E+01	0.00000E+00	2.75000E+00
18	5.40000E+01	0.00000E+00	2.75000E+00
19	6.60000E+01	0.00000E+00	2.75000E+00
20	7.95000E+01	0.00000E+00	2.75000E+00

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
21	9.00000E+01	0.00000E+00	2.75000E+00
22	1.02000E+02	0.00000E+00	2.75000E+00
23	1.17250E+02	0.00000E+00	2.75000E+00
24	1.20000E+02	0.00000E+00	2.75000E+00
25	0.00000E+00	0.00000E+00	1.65000E+01
26	2.75000E+00	0.00000E+00	1.65000E+01
27	1.65000E+01	0.00000E+00	1.65000E+01
28	3.00000E+01	0.00000E+00	1.65000E+01
29	4.20000E+01	0.00000E+00	1.65000E+01
30	5.40000E+01	0.00000E+00	1.65000E+01
31	6.60000E+01	0.00000E+00	1.65000E+01
32	7.95000E+01	0.00000E+00	1.65000E+01
33	9.00000E+01	0.00000E+00	1.65000E+01
34	1.02000E+02	0.00000E+00	1.65000E+01
35	1.17250E+02	0.00000E+00	1.65000E+01
36	1.20000E+02	0.00000E+00	1.65000E+01
37	0.00000E+00	0.00000E+00	3.00000E+01
38	2.75000E+00	0.00000E+00	3.00000E+01
39	1.65000E+01	0.00000E+00	3.00000E+01
40	7.95000E+01	0.00000E+00	3.00000E+01
41	9.00000E+01	0.00000E+00	3.00000E+01
42	1.02000E+02	0.00000E+00	3.00000E+01
43	1.17250E+02	0.00000E+00	3.00000E+01
44	1.20000E+02	0.00000E+00	3.00000E+01
45	0.00000E+00	0.00000E+00	4.20000E+01
46	2.75000E+00	0.00000E+00	4.20000E+01
47	1.65000E+01	0.00000E+00	4.20000E+01
48	7.95000E+01	0.00000E+00	4.20000E+01
49	9.00000E+01	0.00000E+00	4.20000E+01
50	1.02000E+02	0.00000E+00	4.20000E+01
51	1.17250E+02	0.00000E+00	4.20000E+01
52	1.20000E+02	0.00000E+00	4.20000E+01
53	0.00000E+00	0.00000E+00	5.40000E+01
54	2.75000E+00	0.00000E+00	5.40000E+01
55	1.65000E+01	0.00000E+00	5.40000E+01
56	7.95000E+01	0.00000E+00	5.40000E+01
57	9.00000E+01	0.00000E+00	5.40000E+01
58	1.02000E+02	0.00000E+00	5.40000E+01
59	1.17250E+02	0.00000E+00	5.40000E+01
60	1.20000E+02	0.00000E+00	5.40000E+01
61	0.00000E+00	0.00000E+00	6.60000E+01
62	2.75000E+00	0.00000E+00	6.60000E+01

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
63	1.65000E+01	0.00000E+00	6.60000E+01
64	7.95000E+01	0.00000E+00	6.60000E+01
65	9.00000E+01	0.00000E+00	6.60000E+01
66	1.02000E+02	0.00000E+00	6.60000E+01
67	1.17250E+02	0.00000E+00	6.60000E+01
68	1.20000E+02	0.00000E+00	6.60000E+01
69	0.00000E+00	0.00000E+00	7.95000E+01
70	2.75000E+00	0.00000E+00	7.95000E+01
71	1.65000E+01	0.00000E+00	7.95000E+01
72	3.00000E+01	0.00000E+00	7.95000E+01
73	4.20000E+01	0.00000E+00	7.95000E+01
74	5.40000E+01	0.00000E+00	7.95000E+01
75	6.60000E+01	0.00000E+00	7.95000E+01
76	7.95000E+01	0.00000E+00	7.95000E+01
77	9.00000E+01	0.00000E+00	7.95000E+01
78	1.02000E+02	0.00000E+00	7.95000E+01
79	1.17250E+02	0.00000E+00	7.95000E+01
80	1.20000E+02	0.00000E+00	7.95000E+01
81	0.00000E+00	0.00000E+00	9.32500E+01
82	2.75000E+00	0.00000E+00	9.32500E+01
83	1.65000E+01	0.00000E+00	9.32500E+01
84	3.00000E+01	0.00000E+00	9.32500E+01
85	4.20000E+01	0.00000E+00	9.32500E+01
86	5.40000E+01	0.00000E+00	9.32500E+01
87	6.60000E+01	0.00000E+00	9.32500E+01
88	7.95000E+01	0.00000E+00	9.32500E+01
89	9.00000E+01	0.00000E+00	9.32500E+01
90	1.02000E+02	0.00000E+00	9.32500E+01
91	1.17250E+02	0.00000E+00	9.32500E+01
92	1.20000E+02	0.00000E+00	9.32500E+01
93	0.00000E+00	0.00000E+00	9.60000E+01
94	2.75000E+00	0.00000E+00	9.60000E+01
95	1.65000E+01	0.00000E+00	9.60000E+01
96	3.00000E+01	0.00000E+00	9.60000E+01
97	4.20000E+01	0.00000E+00	9.60000E+01
98	5.40000E+01	0.00000E+00	9.60000E+01
99	6.60000E+01	0.00000E+00	9.60000E+01
100	7.95000E+01	0.00000E+00	9.60000E+01
101	9.00000E+01	0.00000E+00	9.60000E+01
102	1.02000E+02	0.00000E+00	9.60000E+01
103	1.17250E+02	0.00000E+00	9.60000E+01
104	1.20000E+02	0.00000E+00	9.60000E+01

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
105	4.80000E+01	0.00000E+00	2.58750E+01
106	4.22736E+01	0.00000E+00	2.66289E+01
107	3.69375E+01	0.00000E+00	2.88392E+01
108	3.23553E+01	0.00000E+00	3.23553E+01
109	2.88392E+01	0.00000E+00	3.69375E+01
110	2.66289E+01	0.00000E+00	4.22736E+01
111	2.58750E+01	0.00000E+00	4.80000E+01
112	2.66289E+01	0.00000E+00	5.37264E+01
113	2.88392E+01	0.00000E+00	5.90625E+01
114	3.23553E+01	0.00000E+00	6.36447E+01
115	3.69375E+01	0.00000E+00	6.71608E+01
116	4.22736E+01	0.00000E+00	6.93711E+01
117	4.80000E+01	0.00000E+00	7.01250E+01
118	5.37264E+01	0.00000E+00	6.93711E+01
119	5.90625E+01	0.00000E+00	6.71608E+01
120	6.36447E+01	0.00000E+00	6.36447E+01
121	6.71608E+01	0.00000E+00	5.90625E+01
122	6.93711E+01	0.00000E+00	5.37264E+01
123	7.01250E+01	0.00000E+00	4.80000E+01
124	6.93711E+01	0.00000E+00	4.22736E+01
125	6.71608E+01	0.00000E+00	3.69375E+01
126	6.36447E+01	0.00000E+00	3.23553E+01
127	5.90625E+01	0.00000E+00	2.88392E+01
128	5.37264E+01	0.00000E+00	2.66289E+01
129	0.00000E+00	-6.75000E+00	1.65000E+01
130	2.75000E+00	-6.75000E+00	1.65000E+01
131	1.65000E+01	-6.75000E+00	1.65000E+01
132	3.00000E+01	-6.75000E+00	1.65000E+01
133	4.20000E+01	-6.75000E+00	1.65000E+01
134	5.40000E+01	-6.75000E+00	1.65000E+01
135	6.60000E+01	-6.75000E+00	1.65000E+01
136	7.95000E+01	-6.75000E+00	1.65000E+01
137	9.00000E+01	-6.75000E+00	1.65000E+01
138	1.02000E+02	-6.75000E+00	1.65000E+01
139	1.17250E+02	-6.75000E+00	1.65000E+01
140	1.20000E+02	-6.75000E+00	1.65000E+01
141	0.00000E+00	-6.75000E+00	7.95000E+01
142	2.75000E+00	-6.75000E+00	7.95000E+01
143	1.65000E+01	-6.75000E+00	7.95000E+01
144	3.00000E+01	-6.75000E+00	7.95000E+01
145	4.20000E+01	-6.75000E+00	7.95000E+01
146	5.40000E+01	-6.75000E+00	7.95000E+01

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
147	6.60000E+01	-6.75000E+00	7.95000E+01
148	7.95000E+01	-6.75000E+00	7.95000E+01
149	9.00000E+01	-6.75000E+00	7.95000E+01
150	1.02000E+02	-6.75000E+00	7.95000E+01
151	1.17250E+02	-6.75000E+00	7.95000E+01
152	1.20000E+02	-6.75000E+00	7.95000E+01
153	1.65000E+01	-6.75000E+00	0.00000E+00
154	1.65000E+01	-6.75000E+00	2.75000E+00
155	1.65000E+01	-6.75000E+00	3.00000E+01
156	1.65000E+01	-6.75000E+00	4.20000E+01
157	1.65000E+01	-6.75000E+00	5.40000E+01
158	1.65000E+01	-6.75000E+00	6.60000E+01
159	1.65000E+01	-6.75000E+00	9.32500E+01
160	1.65000E+01	-6.75000E+00	9.60000E+01
161	7.95000E+01	-6.75000E+00	0.00000E+00
162	7.95000E+01	-6.75000E+00	2.75000E+00
163	7.95000E+01	-6.75000E+00	3.00000E+01
164	7.95000E+01	-6.75000E+00	4.20000E+01
165	7.95000E+01	-6.75000E+00	5.40000E+01
166	7.95000E+01	-6.75000E+00	6.60000E+01
167	7.95000E+01	-6.75000E+00	9.32500E+01
168	7.95000E+01	-6.75000E+00	9.60000E+01
169	-4.50000E+00	-6.75000E+00	1.65000E+01
170	-4.50000E+00	-2.25000E+01	1.65000E+01
171	1.24500E+02	-6.75000E+00	1.65000E+01
172	1.24500E+02	-2.25000E+01	1.65000E+01
173	-4.50000E+00	-6.75000E+00	7.95000E+01
174	-4.50000E+00	-2.25000E+01	7.95000E+01
175	1.24500E+02	-6.75000E+00	7.95000E+01
176	1.24500E+02	-2.25000E+01	7.95000E+01
177	1.65000E+01	-6.75000E+00	-4.50000E+00
178	1.65000E+01	-2.25000E+01	-4.50000E+00
179	1.65000E+01	-6.75000E+00	1.00500E+02
180	1.65000E+01	-2.25000E+01	1.00500E+02
181	7.95000E+01	-6.75000E+00	-4.50000E+00
182	7.95000E+01	-2.25000E+01	-4.50000E+00
183	7.95000E+01	-6.75000E+00	1.18500E+02
184	7.95000E+01	-2.25000E+01	1.18500E+02
185	5.83750E+01	2.25000E+01	4.80000E+01
186	5.83750E+01	2.02500E+01	4.80000E+01
187	2.75000E+00	-6.75000E+00	2.75000E+00
188	3.00000E+01	-6.75000E+00	2.75000E+00

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Node	X-Coord.	Y-Coord.	Z-Coord.
189	4.20000E+01	-6.75000E+00	2.75000E+00
190	5.40000E+01	-6.75000E+00	2.75000E+00
191	6.60000E+01	-6.75000E+00	2.75000E+00
192	9.00000E+01	-6.75000E+00	2.75000E+00
193	1.02000E+02	-6.75000E+00	2.75000E+00
194	1.17250E+02	-6.75000E+00	2.75000E+00
195	2.75000E+00	-6.75000E+00	9.32500E+01
196	3.00000E+01	-6.75000E+00	9.32500E+01
197	4.20000E+01	-6.75000E+00	9.32500E+01
198	5.40000E+01	-6.75000E+00	9.32500E+01
199	6.60000E+01	-6.75000E+00	9.32500E+01
200	9.00000E+01	-6.75000E+00	9.32500E+01
201	1.02000E+02	-6.75000E+00	9.32500E+01
202	1.17250E+02	-6.75000E+00	9.32500E+01
203	2.75000E+00	-6.75000E+00	3.00000E+01
204	2.75000E+00	-6.75000E+00	4.20000E+01
205	2.75000E+00	-6.75000E+00	5.40000E+01
206	2.75000E+00	-6.75000E+00	6.60000E+01
207	1.17250E+02	-6.75000E+00	3.00000E+01
208	1.17250E+02	-6.75000E+00	4.20000E+01
209	1.17250E+02	-6.75000E+00	5.40000E+01
210	1.17250E+02	-6.75000E+00	6.60000E+01
211	7.95600E+01	0.00000E+00	1.65600E+01
212	9.00000E+01	0.00000E+00	1.65600E+01
213	1.02000E+02	0.00000E+00	1.65600E+01
214	1.17250E+02	0.00000E+00	1.65600E+01
215	1.20000E+02	0.00000E+00	1.65600E+01
216	7.95600E+01	0.00000E+00	7.94400E+01
217	9.00000E+01	0.00000E+00	7.94400E+01
218	1.02000E+02	0.00000E+00	7.94400E+01
219	1.17250E+02	0.00000E+00	7.94400E+01
220	1.20000E+02	0.00000E+00	7.94400E+01
221	7.95600E+01	0.00000E+00	3.00000E+01
222	7.95600E+01	0.00000E+00	4.20000E+01
223	7.95600E+01	0.00000E+00	5.40000E+01
224	7.95600E+01	0.00000E+00	6.60000E+01

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BEAM PROPERTIES

Multiplier = 1 (For AISC database properties only)

Prop No	Name
1	W12X40
2	W8X31
3	W10X49
4	C12X20.7

Prop No	X-Section Area	Moment of Inertia Iy	/ Iz	Torsional Const.- J
1	1.180E+01	4.410E+01	3.100E+02	9.501E-01
2	9.138E+00	3.711E+01	1.100E+02	5.405E-01
3	1.441E+01	9.340E+01	2.720E+02	1.390E+00
4	6.091E+00	3.881E+00	1.290E+02	3.701E-01

Prop No	Max. Fiber Dist Cy	/ Cz	Shear Shape Fact SSFy	/ SSFz	Ctors	Shear Stress Factor SSTRFy	/ SSTRFz
1	4.01E+00	5.97E+00	3.35E+00	1.43E+00	5.15E-01	3.60E+00	2.14E+00
2	4.00E+00	4.00E+00	4.01E+00	1.31E+00	4.35E-01	4.36E+00	1.97E+00
3	4.99E+00	4.98E+00	4.25E+00	1.29E+00	5.60E-01	4.63E+00	1.93E+00
4	2.24E+00	6.00E+00	1.80E+00	2.07E+00	5.01E-01	2.13E+00	3.66E+00

BEAM CONNECTIVITY

Beam No	Nodes From/	To /	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I	/ J	Length	Beam Type
1	129	130	25	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
2	130	131	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
3	131	132	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
4	132	133	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
5	133	134	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
6	134	135	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
7	135	136	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
8	136	137	25	1	3		0.00E+00	0.00E+00	0.11E+02	Beam
9	137	138	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
10	138	139	25	1	3		0.00E+00	0.00E+00	0.15E+02	Beam
11	139	140	25	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
12	141	142	69	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
13	142	143	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
14	143	144	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
15	144	145	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam

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Beam No	Nodes From	To	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I	J	Length	Beam Type
16	145	146	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
17	146	147	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
18	147	148	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
19	148	149	69	1	3		0.00E+00	0.00E+00	0.11E+02	Beam
20	149	150	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
21	150	151	69	1	3		0.00E+00	0.00E+00	0.15E+02	Beam
22	151	152	69	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
23	153	154	3	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
24	154	131	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
25	131	155	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
26	155	156	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
27	156	157	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
28	157	158	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
29	158	143	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
30	143	159	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
31	159	160	3	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
32	161	162	8	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
33	162	136	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
34	136	163	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
35	163	164	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
36	164	165	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
37	165	166	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
38	166	148	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
39	148	167	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
40	167	168	8	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
41	129	169	170	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
42	169	170	129	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
43	140	171	172	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
44	171	172	140	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
45	141	173	174	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
46	173	174	141	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
47	152	175	176	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
48	175	176	152	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
49	153	177	178	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
50	177	178	153	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
51	160	179	180	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
52	179	180	160	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
53	161	181	182	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
54	181	182	161	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
55	168	183	184	1	3		0.00E+00	0.00E+00	0.23E+02	Beam
56	183	184	168	2	3		0.00E+00	0.00E+00	0.16E+02	Beam

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Beam No	Nodes From	To	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I	J	Length	Beam Type
57	185	105	186	3	2	56	0.00E+00	0.00E+00	0.33E+02	Beam
58	185	107	186	3	2	56	0.00E+00	0.00E+00	0.37E+02	Beam
59	185	109	186	3	2	56	0.00E+00	0.00E+00	0.39E+02	Beam
60	185	111	186	3	2	56	0.00E+00	0.00E+00	0.40E+02	Beam
61	185	113	186	3	2	56	0.00E+00	0.00E+00	0.39E+02	Beam
62	185	115	186	3	2	56	0.00E+00	0.00E+00	0.37E+02	Beam
63	185	117	186	3	2	56	0.00E+00	0.00E+00	0.33E+02	Beam
64	185	119	186	3	2	56	0.00E+00	0.00E+00	0.30E+02	Beam
65	185	121	186	3	2	56	0.00E+00	0.00E+00	0.27E+02	Beam
66	185	123	186	3	2	56	0.00E+00	0.00E+00	0.25E+02	Beam
67	185	125	186	3	2	56	0.00E+00	0.00E+00	0.27E+02	Beam
68	185	127	186	3	2	56	0.00E+00	0.00E+00	0.30E+02	Beam
69	185	186	123	3	2		0.00E+00	0.00E+00	0.23E+01	Beam
70	187	154	15	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
71	154	188	16	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
72	188	189	17	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
73	189	190	18	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
74	190	191	19	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
75	191	162	20	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
76	162	192	21	4	3		0.00E+00	0.00E+00	0.11E+02	Beam
77	192	193	22	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
78	193	194	23	4	3		0.00E+00	0.00E+00	0.15E+02	Beam
79	202	201	90	4	3		0.00E+00	0.00E+00	0.15E+02	Beam
80	201	200	89	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
81	200	167	88	4	3		0.00E+00	0.00E+00	0.11E+02	Beam
82	167	199	87	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
83	199	198	86	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
84	198	197	85	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
85	197	196	84	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
86	196	159	83	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
87	159	195	82	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
88	187	130	26	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
89	130	203	38	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
90	203	204	46	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
91	204	205	54	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
92	205	206	62	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
93	206	142	70	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
94	142	195	82	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
95	202	151	79	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
96	151	210	67	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
97	210	209	59	4	3		0.00E+00	0.00E+00	0.12E+02	Beam

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Beam No	Nodes From	To	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I	Rigid End Offset J	Length	Beam Type
98	209	208	51	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
99	208	207	43	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
100	207	139	35	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
101	139	194	23	4	3		0.00E+00	0.00E+00	0.14E+02	Beam

PLATE ELEMENT CONNECTIVITY

Plate	No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	1	13	14	2	1	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	2	14	15	3	2	1	1.500E+00	3.781E+01		5.000E+00	M+B
QUAD	3	15	16	4	3	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	4	16	17	5	4	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	5	17	18	6	5	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	6	18	19	7	6	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	7	19	20	8	7	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	8	20	21	9	8	1	1.500E+00	2.888E+01		3.818E+00	M+B
QUAD	9	21	22	10	9	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	10	22	23	11	10	1	1.500E+00	4.194E+01		5.545E+00	M+B
QUAD	11	23	24	12	11	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	12	25	26	14	13	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	13	26	27	15	14	1	1.500E+00	1.891E+02		1.000E+00	M+B
QUAD	14	27	28	16	15	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	15	28	29	17	16	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	16	29	30	18	17	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	17	30	31	19	18	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	18	31	32	20	19	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	19	32	33	21	20	1	1.500E+00	1.444E+02		7.636E-01	M+B
QUAD	20	33	34	22	21	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	21	34	35	23	22	1	1.500E+00	2.097E+02		1.109E+00	M+B
QUAD	22	35	36	24	23	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	23	37	38	26	25	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	24	38	39	27	26	1	1.500E+00	1.856E+02		1.019E+00	M+B
QUAD	25	221	41	212	211	1	1.500E+00	1.403E+02		7.768E-01	M+B
QUAD	26	212	41	42	213	1	1.500E+00	1.613E+02		1.120E+00	M+B
QUAD	27	213	42	43	214	1	1.500E+00	2.050E+02		8.813E-01	M+B
QUAD	28	214	43	44	215	1	1.500E+00	3.696E+01		4.887E+00	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	29	45	46	38	37	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	30	46	47	39	38	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	31	222	49	41	221	1	1.500E+00	1.253E+02		8.700E-01	M+B
QUAD	32	49	50	42	41	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	33	50	51	43	42	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	34	51	52	44	43	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	35	53	54	46	45	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	36	54	55	47	46	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	37	223	57	49	222	1	1.500E+00	1.253E+02		8.700E-01	M+B
QUAD	38	57	58	50	49	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	39	58	59	51	50	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	40	59	60	52	51	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	41	61	62	54	53	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	42	62	63	55	54	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	43	224	65	57	223	1	1.500E+00	1.253E+02		8.700E-01	M+B
QUAD	44	65	66	58	57	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	45	66	67	59	58	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	46	67	68	60	59	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	47	69	70	62	61	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	48	70	71	63	62	1	1.500E+00	1.856E+02		1.019E+00	M+B
QUAD	49	216	217	65	224	1	1.500E+00	1.403E+02		7.768E-01	M+B
QUAD	50	217	218	66	65	1	1.500E+00	1.613E+02		8.929E-01	M+B
QUAD	51	218	219	67	66	1	1.500E+00	2.050E+02		1.135E+00	M+B
QUAD	52	219	220	68	67	1	1.500E+00	3.696E+01		2.046E-01	M+B
QUAD	53	81	82	70	69	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	54	82	83	71	70	1	1.500E+00	1.891E+02		1.000E+00	M+B
QUAD	55	83	84	72	71	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	56	84	85	73	72	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	57	85	86	74	73	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	58	86	87	75	74	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	59	87	88	76	75	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	60	88	89	77	76	1	1.500E+00	1.444E+02		7.636E-01	M+B
QUAD	61	89	90	78	77	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	62	90	91	79	78	1	1.500E+00	2.097E+02		1.109E+00	M+B
QUAD	63	91	92	80	79	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	64	93	94	82	81	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	65	94	95	83	82	1	1.500E+00	3.781E+01		5.000E+00	M+B
QUAD	66	95	96	84	83	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	67	96	97	85	84	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	68	97	98	86	85	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	69	98	99	87	86	1	1.500E+00	3.300E+01		4.364E+00	M+B

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	70	99	100	88	87	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	71	100	101	89	88	1	1.500E+00	2.888E+01		3.818E+00	M+B
QUAD	72	101	102	90	89	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	73	102	103	91	90	1	1.500E+00	4.194E+01		5.545E+00	M+B
QUAD	74	103	104	92	91	1	1.500E+00	7.563E+00		1.000E+00	M+B
TRI	75	105	30	29		1	1.500E+00	5.625E+01		1.097E+00	M+B
TRI	76	106	105	29		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	77	107	106	29	28	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	78	108	107	28	27	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	79	109	108	27	39	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	80	110	109	39	47	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	81	111	110	47		1	1.500E+00	2.910E+01		5.638E-01	M+B
TRI	82	111	47	55		1	1.500E+00	5.625E+01		1.097E+00	M+B
TRI	83	112	111	55		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	84	113	112	55	63	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	85	114	113	63	71	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	86	115	114	71	72	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	87	116	115	72	73	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	88	73	117	116		1	1.500E+00	2.910E+01		1.829E+00	M+B
TRI	89	73	74	117		1	1.500E+00	5.625E+01		1.280E+00	M+B
TRI	90	74	118	117		1	1.500E+00	2.910E+01		1.392E+00	M+B
QUAD	91	74	75	119	118	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	92	75	76	120	119	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	93	76	64	121	120	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	94	64	56	122	121	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	95	56	123	122		1	1.500E+00	2.910E+01		1.829E+00	M+B
TRI	96	56	48	123		1	1.500E+00	5.625E+01		1.280E+00	M+B
TRI	97	48	124	123		1	1.500E+00	2.910E+01		1.392E+00	M+B
QUAD	98	48	40	125	124	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	99	40	32	126	125	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	100	32	31	127	126	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	101	128	127	31	30	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	102	105	128	30		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	103	129	130	26	25	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	104	130	131	27	26	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	105	131	132	28	27	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	106	132	133	29	28	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	107	133	134	30	29	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	108	134	135	31	30	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	109	135	136	32	31	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	110	136	137	33	32	3	2.500E-01	7.088E+01		1.556E+00	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	111	137	138	34	33	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	112	138	139	35	34	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	113	139	140	36	35	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	114	141	142	70	69	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	115	142	143	71	70	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	116	143	144	72	71	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	117	144	145	73	72	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	118	145	146	74	73	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	119	146	147	75	74	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	120	147	148	76	75	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	121	148	149	77	76	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	122	149	150	78	77	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	123	150	151	79	78	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	124	151	152	80	79	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	125	154	153	3	15	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	126	131	154	15	27	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	127	155	131	27	39	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	128	156	155	39	47	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	129	157	156	47	55	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	130	158	157	55	63	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	131	143	158	63	71	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	132	159	143	71	83	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	133	160	159	83	95	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	134	162	161	8	20	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	135	136	162	20	32	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	136	163	136	32	40	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	137	164	163	40	48	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	138	165	164	48	56	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	139	166	165	56	64	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	140	148	166	64	76	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	141	167	148	76	88	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	142	168	167	88	100	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	143	187	154	15	14	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	144	154	188	16	15	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	145	188	189	17	16	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	146	189	190	18	17	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	147	190	191	19	18	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	148	191	162	20	19	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	149	162	192	21	20	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	150	192	193	22	21	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	151	193	194	23	22	3	2.500E-01	1.029E+02		2.259E+00	M+B

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	152	195	159	83	82	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	153	159	196	84	83	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	154	196	197	85	84	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	155	197	198	86	85	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	156	198	199	87	86	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	157	199	167	88	87	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	158	167	200	89	88	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	159	200	201	90	89	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	160	201	202	91	90	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	161	130	187	14	26	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	162	203	130	26	38	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	163	204	203	38	46	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	164	205	204	46	54	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	165	206	205	54	62	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	166	142	206	62	70	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	167	195	142	70	82	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	168	139	194	23	35	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	169	208	207	43	51	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	170	209	208	51	59	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	171	210	209	59	67	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	172	202	151	79	91	3	2.500E-01	9.281E+01		2.037E+00	M+B

SPRING ELEMENTS

Spring No	Nodes From/	To	Direction	Stiffness No.	Spring Type
1	130	NA	Y	1	NL G
2	139	NA	Y	1	NL G
3	142	NA	Y	1	NL G
4	151	NA	Y	1	NL G

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Spring No	Nodes From/	To	Direction	Stiffness No.	Spring Type
5	154	NA	Y	1	NL G
6	159	NA	Y	1	NL G
7	162	NA	Y	1	NL G
8	167	NA	Y	1	NL G
9	187	NA	Y	1	NL G
10	188	NA	Y	1	NL G
11	189	NA	Y	1	NL G
12	190	NA	Y	1	NL G
13	191	NA	Y	1	NL G
14	192	NA	Y	1	NL G
15	193	NA	Y	1	NL G
16	194	NA	Y	1	NL G
17	195	NA	Y	1	NL G
18	196	NA	Y	1	NL G
19	197	NA	Y	1	NL G
20	198	NA	Y	1	NL G
21	199	NA	Y	1	NL G
22	200	NA	Y	1	NL G
23	201	NA	Y	1	NL G
24	202	NA	Y	1	NL G
25	203	NA	Y	1	NL G
26	204	NA	Y	1	NL G
27	205	NA	Y	1	NL G
28	206	NA	Y	1	NL G
29	207	NA	Y	1	NL G
30	208	NA	Y	1	NL G
31	209	NA	Y	1	NL G
32	210	NA	Y	1	NL G
33	136	211	Translational	2	NL BN
34	33	212	Translational	2	NL BN
35	137	212	Translational	2	NL BN
36	34	213	Translational	2	NL BN
37	138	213	Translational	2	NL BN
38	35	214	Translational	2	NL BN
39	139	214	Translational	2	NL BN
40	36	215	Translational	2	NL BN
41	140	215	Translational	2	NL BN
42	40	221	Translational	2	NL BN
43	163	221	Translational	2	NL BN
44	48	222	Translational	2	NL BN
45	164	222	Translational	2	NL BN

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Spring No	Nodes From/	To	Direction	Stiffness No.	Spring Type
46	56	223	Translational	2	NL BN
47	165	223	Translational	2	NL BN
48	64	224	Translational	2	NL BN
49	166	224	Translational	2	NL BN
50	148	216	Translational	2	NL BN
51	77	217	Translational	2	NL BN
52	149	217	Translational	2	NL BN
53	78	218	Translational	2	NL BN
54	150	218	Translational	2	NL BN
55	79	219	Translational	2	NL BN
56	151	219	Translational	2	NL BN
57	80	220	Translational	2	NL BN
58	152	220	Translational	2	NL BN
59	214	36	Translational	2	NL BN
60	219	80	Translational	2	NL BN

RESTRAINTS

Node No	Global/Local	Restraint Directions
172	GLOBAL	X - - - - -
176	GLOBAL	X - - - - -
180	GLOBAL	- - Z - - -
184	GLOBAL	- - Z - - -

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1

DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

GRAVITY LOADING

Direction	Gravity Factor	Load Factor
X	-.4020E+00	.1000E+01
Y	-.1268E+01	.1000E+01
Z	-.4020E+00	.1000E+01

INERTIA LOADING

Direction	Translational Accel.	Rotational Accel.	Rotational Velocity	Origin
X	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Y	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Z	.0000E+00	.0000E+00	.0000E+00	.0000E+00

Gravity Acceleration = .3864E+03

CONCENTRATED LOADS

Node	Fx	Fy	Fz	Mx	My	Mz
185	-.1812E+04	-.5715E+04	-.1812E+04	.0000E+00	.0000E+00	.0000E+00

REFERENCE TEMPERATURE = .0000E+00

PLATE TEMPERATURES/PRESSURES

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
1	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
2	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1

DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
-----	-----	-----	-----	-----
3	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
4	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
5	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
6	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
7	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
8	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
9	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
10	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
11	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
12	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
13	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
14	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
15	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
16	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
17	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
18	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
19	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
20	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
21	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
22	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
-----	-----	-----	-----	-----
23	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
24	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
25	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
26	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
27	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
28	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
29	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
30	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
31	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
32	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
33	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
34	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
35	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
36	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
37	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
38	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
39	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
40	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
41	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
42	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

LOAD CASE 1

DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
43	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
44	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
45	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
46	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
47	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
48	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
49	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
50	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
51	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
52	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
53	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
54	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
55	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
56	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
57	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
58	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
59	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
60	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
61	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
62	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
63	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
64	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
65	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
66	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
67	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
68	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
69	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
70	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
71	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
72	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
73	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
74	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
75	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
76	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
77	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
78	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
79	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
80	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
81	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
82	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Plate/Temp Plate/Pressure Plate/Lat. load	Node1 Node1 Side	Node2 Node2 Dir.	Node3 Node3 Node1	Node4 Node4 Node2
83	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
84	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
85	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
86	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
87	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
88	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
89	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
90	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
91	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
92	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
93	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
94	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
95	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
96	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
97	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
98	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
99	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
100	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
101	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00
102	.0000E+00	.0000E+00	.0000E+00	.0000E+00
	-.4167E+00	-.4167E+00	-.4167E+00	-.4167E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
1	-.7983E+00	-.3306E+01	-.7983E+00	.0000E+00	.0000E+00	.0000E+00
2	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
3	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
4	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
5	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
6	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
7	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
8	-.7099E+01	-.2927E+02	-.7099E+01	.0000E+00	.0000E+00	.0000E+00
9	-.6531E+01	-.2705E+02	-.6531E+01	.0000E+00	.0000E+00	.0000E+00
10	-.7910E+01	-.3276E+02	-.7910E+01	.0000E+00	.0000E+00	.0000E+00
11	-.5225E+01	-.2164E+02	-.5225E+01	.0000E+00	.0000E+00	.0000E+00
12	-.7983E+00	-.3306E+01	-.7983E+00	.0000E+00	.0000E+00	.0000E+00
13	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
14	-.3006E+02	-.1232E+03	-.3006E+02	.0000E+00	.0000E+00	.0000E+00
15	-.4956E+02	-.2032E+03	-.4956E+02	.0000E+00	.0000E+00	.0000E+00
16	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
17	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
18	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
19	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
20	-.4374E+02	-.1792E+03	-.4374E+02	.0000E+00	.0000E+00	.0000E+00
21	-.4027E+02	-.1657E+03	-.4027E+02	.0000E+00	.0000E+00	.0000E+00
22	-.4877E+02	-.2007E+03	-.4877E+02	.0000E+00	.0000E+00	.0000E+00
23	-.3274E+02	-.1342E+03	-.3274E+02	.0000E+00	.0000E+00	.0000E+00
24	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
25	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
26	-.4956E+02	-.2032E+03	-.4956E+02	.0000E+00	.0000E+00	.0000E+00
27	-.9758E+02	-.4015E+03	-.9758E+02	.0000E+00	.0000E+00	.0000E+00
28	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
29	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
30	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
31	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
32	-.7311E+02	-.3003E+03	-.7311E+02	.0000E+00	.0000E+00	.0000E+00
33	-.3374E+02	-.1386E+03	-.3374E+02	.0000E+00	.0000E+00	.0000E+00
34	-.4086E+02	-.1679E+03	-.4086E+02	.0000E+00	.0000E+00	.0000E+00
35	-.2765E+02	-.1130E+03	-.2765E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
36	-.4123E+01	-.1694E+02	-.4123E+01	.0000E+00	.0000E+00	.0000E+00
37	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
38	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
39	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
40	-.2981E+02	-.1222E+03	-.2981E+02	.0000E+00	.0000E+00	.0000E+00
41	-.6026E+02	-.2495E+03	-.6026E+02	.0000E+00	.0000E+00	.0000E+00
42	-.7318E+02	-.3030E+03	-.7318E+02	.0000E+00	.0000E+00	.0000E+00
43	-.4891E+02	-.2020E+03	-.4891E+02	.0000E+00	.0000E+00	.0000E+00
44	-.7385E+01	-.3058E+02	-.7385E+01	.0000E+00	.0000E+00	.0000E+00
45	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
46	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
47	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
48	-.2457E+02	-.1006E+03	-.2457E+02	.0000E+00	.0000E+00	.0000E+00
49	-.5685E+02	-.2354E+03	-.5685E+02	.0000E+00	.0000E+00	.0000E+00
50	-.6903E+02	-.2859E+03	-.6903E+02	.0000E+00	.0000E+00	.0000E+00
51	-.4675E+02	-.1925E+03	-.4675E+02	.0000E+00	.0000E+00	.0000E+00
52	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
53	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
54	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
55	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
56	-.2457E+02	-.1006E+03	-.2457E+02	.0000E+00	.0000E+00	.0000E+00
57	-.5685E+02	-.2354E+03	-.5685E+02	.0000E+00	.0000E+00	.0000E+00
58	-.6903E+02	-.2859E+03	-.6903E+02	.0000E+00	.0000E+00	.0000E+00
59	-.4675E+02	-.1925E+03	-.4675E+02	.0000E+00	.0000E+00	.0000E+00
60	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
61	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
62	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
63	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
64	-.2981E+02	-.1222E+03	-.2981E+02	.0000E+00	.0000E+00	.0000E+00
65	-.6026E+02	-.2495E+03	-.6026E+02	.0000E+00	.0000E+00	.0000E+00
66	-.7318E+02	-.3030E+03	-.7318E+02	.0000E+00	.0000E+00	.0000E+00
67	-.4891E+02	-.2020E+03	-.4891E+02	.0000E+00	.0000E+00	.0000E+00
68	-.7385E+01	-.3058E+02	-.7385E+01	.0000E+00	.0000E+00	.0000E+00
69	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
70	-.4956E+02	-.2032E+03	-.4956E+02	.0000E+00	.0000E+00	.0000E+00
71	-.9758E+02	-.4015E+03	-.9758E+02	.0000E+00	.0000E+00	.0000E+00
72	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00
73	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
74	-.5941E+02	-.2449E+03	-.5941E+02	.0000E+00	.0000E+00	.0000E+00
75	-.6682E+02	-.2755E+03	-.6682E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
76	-.7311E+02	-.3003E+03	-.7311E+02	.0000E+00	.0000E+00	.0000E+00
77	-.3374E+02	-.1386E+03	-.3374E+02	.0000E+00	.0000E+00	.0000E+00
78	-.4086E+02	-.1679E+03	-.4086E+02	.0000E+00	.0000E+00	.0000E+00
79	-.2765E+02	-.1130E+03	-.2765E+02	.0000E+00	.0000E+00	.0000E+00
80	-.4123E+01	-.1694E+02	-.4123E+01	.0000E+00	.0000E+00	.0000E+00
81	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
82	-.3006E+02	-.1232E+03	-.3006E+02	.0000E+00	.0000E+00	.0000E+00
83	-.4956E+02	-.2032E+03	-.4956E+02	.0000E+00	.0000E+00	.0000E+00
84	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
85	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
86	-.4295E+02	-.1767E+03	-.4295E+02	.0000E+00	.0000E+00	.0000E+00
87	-.4564E+02	-.1878E+03	-.4564E+02	.0000E+00	.0000E+00	.0000E+00
88	-.4374E+02	-.1792E+03	-.4374E+02	.0000E+00	.0000E+00	.0000E+00
89	-.4027E+02	-.1657E+03	-.4027E+02	.0000E+00	.0000E+00	.0000E+00
90	-.4877E+02	-.2007E+03	-.4877E+02	.0000E+00	.0000E+00	.0000E+00
91	-.3274E+02	-.1342E+03	-.3274E+02	.0000E+00	.0000E+00	.0000E+00
92	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
93	-.7983E+00	-.3306E+01	-.7983E+00	.0000E+00	.0000E+00	.0000E+00
94	-.4790E+01	-.1983E+02	-.4790E+01	.0000E+00	.0000E+00	.0000E+00
95	-.8042E+01	-.3317E+02	-.8042E+01	.0000E+00	.0000E+00	.0000E+00
96	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
97	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
98	-.6967E+01	-.2885E+02	-.6967E+01	.0000E+00	.0000E+00	.0000E+00
99	-.7402E+01	-.3065E+02	-.7402E+01	.0000E+00	.0000E+00	.0000E+00
100	-.7099E+01	-.2927E+02	-.7099E+01	.0000E+00	.0000E+00	.0000E+00
101	-.6531E+01	-.2705E+02	-.6531E+01	.0000E+00	.0000E+00	.0000E+00
102	-.7910E+01	-.3276E+02	-.7910E+01	.0000E+00	.0000E+00	.0000E+00
103	-.5225E+01	-.2164E+02	-.5225E+01	.0000E+00	.0000E+00	.0000E+00
104	-.7983E+00	-.3306E+01	-.7983E+00	.0000E+00	.0000E+00	.0000E+00
105	-.1611E+02	-.6671E+02	-.1611E+02	.0000E+00	.0000E+00	.0000E+00
106	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
107	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
108	-.2979E+02	-.1234E+03	-.2979E+02	.0000E+00	.0000E+00	.0000E+00
109	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
110	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
111	-.1611E+02	-.6671E+02	-.1611E+02	.0000E+00	.0000E+00	.0000E+00
112	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
113	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
114	-.2979E+02	-.1234E+03	-.2979E+02	.0000E+00	.0000E+00	.0000E+00
115	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
116	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
117	-.1611E+02	-.6671E+02	-.1611E+02	.0000E+00	.0000E+00	.0000E+00
118	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
119	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
120	-.2979E+02	-.1234E+03	-.2979E+02	.0000E+00	.0000E+00	.0000E+00
121	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
122	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
123	-.1611E+02	-.6671E+02	-.1611E+02	.0000E+00	.0000E+00	.0000E+00
124	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
125	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
126	-.2979E+02	-.1234E+03	-.2979E+02	.0000E+00	.0000E+00	.0000E+00
127	-.2322E+02	-.9614E+02	-.2322E+02	.0000E+00	.0000E+00	.0000E+00
128	-.1315E+02	-.5446E+02	-.1315E+02	.0000E+00	.0000E+00	.0000E+00
129	-.4999E+01	-.1577E+02	-.4999E+01	.0000E+00	-.1419E+01	.4477E+01
130	-.2262E+02	-.7134E+02	-.2262E+02	-.1241E+01	.2070E+02	-.6405E+02
131	-.3920E+02	-.1236E+03	-.3920E+02	-.2404E+01	.0000E+00	.2404E+01
132	-.1834E+02	-.5785E+02	-.1834E+02	.0000E+00	-.4279E+01	.1350E+02
133	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
134	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
135	-.1834E+02	-.5785E+02	-.1834E+02	.0000E+00	.4279E+01	-.1350E+02
136	-.3686E+02	-.1163E+03	-.3686E+02	-.2404E+01	-.7293E+01	.2541E+02
137	-.1618E+02	-.5105E+02	-.1618E+02	.0000E+00	.3776E+01	-.1191E+02
138	-.1960E+02	-.6182E+02	-.1960E+02	.0000E+00	.9908E+01	-.3125E+02
139	-.2305E+02	-.7270E+02	-.2305E+02	-.1241E+01	-.2478E+02	.7940E+02
140	-.4999E+01	-.1577E+02	-.4999E+01	.0000E+00	.1419E+01	-.4477E+01
141	-.4999E+01	-.1577E+02	-.4999E+01	.0000E+00	-.1419E+01	.4477E+01
142	-.2262E+02	-.7134E+02	-.2262E+02	.1241E+01	.1991E+02	-.6405E+02
143	-.3920E+02	-.1236E+03	-.3920E+02	.2404E+01	-.1524E+01	.2404E+01
144	-.1834E+02	-.5785E+02	-.1834E+02	.0000E+00	-.4279E+01	.1350E+02
145	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
146	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
147	-.1834E+02	-.5785E+02	-.1834E+02	.0000E+00	.4279E+01	-.1350E+02
148	-.3686E+02	-.1163E+03	-.3686E+02	.2404E+01	-.8818E+01	.2541E+02
149	-.1618E+02	-.5105E+02	-.1618E+02	.0000E+00	.3776E+01	-.1191E+02
150	-.1960E+02	-.6182E+02	-.1960E+02	.0000E+00	.9908E+01	-.3125E+02
151	-.2305E+02	-.7270E+02	-.2305E+02	.1241E+01	-.2557E+02	.7940E+02
152	-.4999E+01	-.1577E+02	-.4999E+01	.0000E+00	.1419E+01	-.4477E+01
153	-.4999E+01	-.1577E+02	-.4999E+01	-.4477E+01	.1419E+01	.0000E+00
154	-.2262E+02	-.7134E+02	-.2262E+02	.6405E+02	-.2070E+02	.1241E+01
155	-.1834E+02	-.5785E+02	-.1834E+02	-.1350E+02	.4279E+01	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
156	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
157	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
158	-.1834E+02	-.5785E+02	-.1834E+02	.1350E+02	-.4279E+01	.0000E+00
159	-.2262E+02	-.7134E+02	-.2262E+02	-.6405E+02	.1991E+02	.1241E+01
160	-.4999E+01	-.1577E+02	-.4999E+01	.4477E+01	-.1419E+01	.0000E+00
161	-.4999E+01	-.1577E+02	-.4999E+01	-.4477E+01	.1419E+01	.0000E+00
162	-.2134E+02	-.6730E+02	-.2134E+02	.6405E+02	-.2446E+02	.1311E+02
163	-.1834E+02	-.5785E+02	-.1834E+02	-.1350E+02	.4279E+01	.0000E+00
164	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
165	-.1726E+02	-.5445E+02	-.1726E+02	.0000E+00	.0000E+00	.0000E+00
166	-.1834E+02	-.5785E+02	-.1834E+02	.1350E+02	-.4279E+01	.0000E+00
167	-.2134E+02	-.6730E+02	-.2134E+02	-.6405E+02	.1615E+02	.1311E+02
168	-.1708E+02	-.5388E+02	-.1708E+02	.1760E+03	-.5579E+02	.0000E+00
169	-.1121E+02	-.3535E+02	-.1121E+02	.2149E+02	.2266E+01	-.2864E+02
170	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
171	-.1121E+02	-.3535E+02	-.1121E+02	.2149E+02	-.2266E+01	-.1434E+02
172	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
173	-.1121E+02	-.3535E+02	-.1121E+02	.2149E+02	.2266E+01	-.2864E+02
174	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
175	-.1121E+02	-.3535E+02	-.1121E+02	.2149E+02	-.2266E+01	-.1434E+02
176	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
177	-.1121E+02	-.3535E+02	-.1121E+02	.2864E+02	-.2266E+01	-.2149E+02
178	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
179	-.1121E+02	-.3535E+02	-.1121E+02	.1434E+02	.2266E+01	-.2149E+02
180	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
181	-.1121E+02	-.3535E+02	-.1121E+02	.2864E+02	-.2266E+01	-.2149E+02
182	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
183	-.2329E+02	-.7346E+02	-.2329E+02	-.1572E+03	.5664E+02	-.2149E+02
184	-.8187E+01	-.2582E+02	-.8187E+01	-.2149E+02	.0000E+00	.2149E+02
185	-.1812E+04	-.5715E+04	-.1812E+04	.5405E-05	-.3217E-05	.4886E-05
186	-.6516E-08	-.2055E-07	-.6516E-08	-.2444E-08	.0000E+00	.2444E-08
187	-.1085E+02	-.3422E+02	-.1085E+02	.3444E+02	.0000E+00	-.3444E+02
188	-.1006E+02	-.3173E+02	-.1006E+02	.0000E+00	-.2209E+01	.6967E+01
189	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
190	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
191	-.1006E+02	-.3173E+02	-.1006E+02	.0000E+00	.2209E+01	-.6967E+01
192	-.8876E+01	-.2800E+02	-.8876E+01	.0000E+00	.1949E+01	-.6148E+01
193	-.1075E+02	-.3391E+02	-.1075E+02	.0000E+00	.5114E+01	-.1613E+02
194	-.1144E+02	-.3608E+02	-.1144E+02	.3444E+02	-.2435E+02	.4236E+02
195	-.1085E+02	-.3422E+02	-.1085E+02	-.3444E+02	.2184E+02	-.3444E+02

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
196	-.1006E+02	-.3173E+02	-.1006E+02	.0000E+00	-.2209E+01	.6967E+01
197	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
198	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
199	-.1006E+02	-.3173E+02	-.1006E+02	.0000E+00	.2209E+01	-.6967E+01
200	-.8876E+01	-.2800E+02	-.8876E+01	.0000E+00	.1949E+01	-.6148E+01
201	-.1075E+02	-.3391E+02	-.1075E+02	.0000E+00	.5114E+01	-.1613E+02
202	-.1144E+02	-.3608E+02	-.1144E+02	-.3444E+02	-.2512E+01	.4236E+02
203	-.1006E+02	-.3173E+02	-.1006E+02	-.6967E+01	.2209E+01	.0000E+00
204	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
205	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
206	-.1006E+02	-.3173E+02	-.1006E+02	.6967E+01	-.2209E+01	.0000E+00
207	-.9411E+01	-.2969E+02	-.9411E+01	-.6967E+01	.2209E+01	.0000E+00
208	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
209	-.9468E+01	-.2986E+02	-.9468E+01	.0000E+00	.0000E+00	.0000E+00
210	-.9411E+01	-.2969E+02	-.9411E+01	.6967E+01	-.2209E+01	.0000E+00
211	-.1481E+02	-.6133E+02	-.1481E+02	.0000E+00	.0000E+00	.0000E+00
212	-.3183E+02	-.1318E+03	-.3183E+02	.0000E+00	.0000E+00	.0000E+00
213	-.3866E+02	-.1601E+03	-.3866E+02	.0000E+00	.0000E+00	.0000E+00
214	-.2554E+02	-.1057E+03	-.2554E+02	.0000E+00	.0000E+00	.0000E+00
215	-.3901E+01	-.1616E+02	-.3901E+01	.0000E+00	.0000E+00	.0000E+00
216	-.1481E+02	-.6133E+02	-.1481E+02	.0000E+00	.0000E+00	.0000E+00
217	-.3183E+02	-.1318E+03	-.3183E+02	.0000E+00	.0000E+00	.0000E+00
218	-.3866E+02	-.1601E+03	-.3866E+02	.0000E+00	.0000E+00	.0000E+00
219	-.2554E+02	-.1057E+03	-.2554E+02	.0000E+00	.0000E+00	.0000E+00
220	-.3901E+01	-.1616E+02	-.3901E+01	.0000E+00	.0000E+00	.0000E+00
221	-.2803E+02	-.1161E+03	-.2803E+02	.0000E+00	.0000E+00	.0000E+00
222	-.2645E+02	-.1095E+03	-.2645E+02	.0000E+00	.0000E+00	.0000E+00
223	-.2645E+02	-.1095E+03	-.2645E+02	.0000E+00	.0000E+00	.0000E+00
224	-.2803E+02	-.1161E+03	-.2803E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

MAXIMUM STRESS SUMMARY FOR BEAMS/TRUSSES
WITHIN SPECIFIED RANGE 1- 101

Maximum (absolute) Stress = .2781E+04 at BEAM 44 lower

Beam	Axial	Y-Shear	Z-Shear	Torsion	Y-Bending	Z-Bending
44	.5652E+01	.2297E+04	-.3521E+01	.3052E-14	-.1391E+02	-.2761E+04

Maximum	Minimum	Cmb. Shear
.2781E+04	-.2769E+04	.1390E+04

SOLVE PLATE LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

MAXIMUM STRESS SUMMARY FOR PLATES
WITHIN SPECIFIED RANGE 1- 172

higher

Maximum (absolute) Stress = .2575E+04 at Plate 135

Plate	Sigma X	Sigma Y	Tau XY	Von Mises
135	.1211E+03	-.9066E+02	.1483E+04	.2575E+04

============== I M A G E S 3 D ==============

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SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

SPRING LOADS

Type	Node	Fx	Fy	Fz	Mx	My	Mz
			GSPRG NO. 1				
GLoads	130	.0000E+00	-.1889E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	130	.0000E+00	-.1889E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 2				
GLoads	139	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	139	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 3				
GLoads	142	.0000E+00	-.2106E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	142	.0000E+00	-.2106E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 4				
GLoads	151	.0000E+00	-.7583E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	151	.0000E+00	-.7583E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 5				
GLoads	154	.0000E+00	-.2681E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	154	.0000E+00	-.2681E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 6				
GLoads	159	.0000E+00	-.8654E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	159	.0000E+00	-.8654E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 7				
GLoads	162	.0000E+00	-.4663E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	162	.0000E+00	-.4663E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 8				
GLoads	167	.0000E+00	-.2612E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	167	.0000E+00	-.2612E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 9				
GLoads	187	.0000E+00	-.4664E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	187	.0000E+00	-.4664E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 10				
GLoads	188	.0000E+00	-.8608E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	188	.0000E+00	-.8608E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 11				
GLoads	189	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	189	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 12				
GLoads	190	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	190	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 13				
GLoads	191	.0000E+00	-.1311E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	191	.0000E+00	-.1311E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 14				
GLoads	192	.0000E+00	-.1811E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
LLoads	192	.0000E+00	-.1811E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 15							
GLoads	193	.0000E+00	-.4331E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	193	.0000E+00	-.4331E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 16							
GLoads	194	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	194	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 17							
GLoads	195	.0000E+00	-.8531E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	195	.0000E+00	-.8531E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 18							
GLoads	196	.0000E+00	-.5013E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	196	.0000E+00	-.5013E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 19							
GLoads	197	.0000E+00	-.1531E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	197	.0000E+00	-.1531E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 20							
GLoads	198	.0000E+00	-.1159E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	198	.0000E+00	-.1159E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 21							
GLoads	199	.0000E+00	-.8382E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	199	.0000E+00	-.8382E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 22							
GLoads	200	.0000E+00	-.1147E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	200	.0000E+00	-.1147E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 23							
GLoads	201	.0000E+00	-.3845E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	201	.0000E+00	-.3845E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 24							
GLoads	202	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	202	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 25							
GLoads	203	.0000E+00	-.7094E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	203	.0000E+00	-.7094E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 26							
GLoads	204	.0000E+00	-.2115E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	204	.0000E+00	-.2115E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 27							
GLoads	205	.0000E+00	-.2987E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	205	.0000E+00	-.2987E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GSPRG NO. 28							
GLoads	206	.0000E+00	-.9054E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
LLoads	206	.0000E+00	-.9054E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 29				
GLoads	207	.0000E+00	-.2995E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	207	.0000E+00	-.2995E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 30				
GLoads	208	.0000E+00	-.5547E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	208	.0000E+00	-.5547E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 31				
GLoads	209	.0000E+00	-.5919E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	209	.0000E+00	-.5919E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 32				
GLoads	210	.0000E+00	-.5240E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	210	.0000E+00	-.5240E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 33				
GLoads	136	.1255E+01	.1412E+03	.1255E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	211	-.1255E+01	-.1412E+03	-.1255E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	136	.1412E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	211	-.1412E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 34				
GLoads	33	.0000E+00	.0000E+00	.1961E+04	.0000E+00	.0000E+00	.0000E+00
GLoads	212	.0000E+00	.0000E+00	-.1961E+04	.0000E+00	.0000E+00	.0000E+00
LLoads	33	.1961E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	212	-.1961E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 35				
GLoads	137	.0000E+00	.2305E+03	.2049E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	212	.0000E+00	-.2305E+03	-.2049E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	137	.2305E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	212	-.2305E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 36				
GLoads	34	.0000E+00	.0000E+00	.7819E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	213	.0000E+00	.0000E+00	-.7819E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	34	.7819E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	213	-.7819E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 37				
GLoads	138	.0000E+00	.3578E+03	.3181E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	213	.0000E+00	-.3578E+03	-.3181E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	138	.3578E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	213	-.3578E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 38				
GLoads	35	.0000E+00	.0000E+00	.6475E+02	.0000E+00	.0000E+00	.0000E+00
GLoads	214	.0000E+00	.0000E+00	-.6475E+02	.0000E+00	.0000E+00	.0000E+00
LLoads	35	.6475E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
LLoads	214	-.6475E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 39***			
GLoads	139	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	214	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	139	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	214	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 40***			
GLoads	36	.0000E+00	.0000E+00	.2221E+02	.0000E+00	.0000E+00	.0000E+00
GLoads	215	.0000E+00	.0000E+00	-.2221E+02	.0000E+00	.0000E+00	.0000E+00
LLoads	36	.2221E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	215	-.2221E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 41***			
GLoads	140	.0000E+00	.1276E+03	.1134E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	215	.0000E+00	-.1276E+03	-.1134E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	140	.1276E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	215	-.1276E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 42***			
GLoads	40	.3521E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	221	-.3521E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	40	.3521E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	221	-.3521E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 43***			
GLoads	163	.2128E+01	.2394E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	221	-.2128E+01	-.2394E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	163	.2394E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	221	-.2394E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 44***			
GLoads	48	.3209E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	222	-.3209E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	48	.3209E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	222	-.3209E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 45***			
GLoads	164	.3039E+01	.3419E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	222	-.3039E+01	-.3419E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	164	.3419E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	222	-.3419E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 46***			
GLoads	56	.2918E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	223	-.2918E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	56	.2918E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	223	-.2918E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 47***			
GLoads	165	.3095E+01	.3482E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
GLoads	223	-.3095E+01	-.3482E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	165	.3482E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	223	-.3482E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 48							
GLoads	64	.1489E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	224	-.1489E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	64	.1489E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	224	-.1489E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 49							
GLoads	166	.1956E+01	.2201E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	224	-.1956E+01	-.2201E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	166	.2201E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	224	-.2201E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 50							
GLoads	148	.1249E+01	.1405E+03	-.1249E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	216	-.1249E+01	-.1405E+03	.1249E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	148	.1405E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	216	-.1405E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 51							
GLoads	77	.0000E+00	.0000E+00	-.6723E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	217	.0000E+00	.0000E+00	.6723E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	77	.6723E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	217	-.6723E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 52							
GLoads	149	.0000E+00	.2453E+03	-.2180E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	217	.0000E+00	-.2453E+03	.2180E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	149	.2453E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	217	-.2453E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 53							
GLoads	78	.0000E+00	.0000E+00	-.4146E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	218	.0000E+00	.0000E+00	.4146E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	78	.4146E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	218	-.4146E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 54							
GLoads	150	.0000E+00	.3340E+03	-.2968E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	218	.0000E+00	-.3340E+03	.2968E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	150	.3340E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	218	-.3340E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 55							
GLoads	79	.0000E+00	.0000E+00	-.3438E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	219	.0000E+00	.0000E+00	.3438E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	79	.3438E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
LLoads	219	-.3438E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	56***		
GLoads	151	.0000E+00	.8666E+02	-.7703E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	219	.0000E+00	-.8666E+02	.7703E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	151	.8666E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	219	-.8666E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	57***		
GLoads	80	.0000E+00	.0000E+00	-.2233E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	220	.0000E+00	.0000E+00	.2233E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	80	.2233E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	220	-.2233E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	58***		
GLoads	152	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	220	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	152	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	220	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	59***		
GLoads	214	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	36	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	214	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	36	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	60***		
GLoads	219	.2759E+03	.0000E+00	.6019E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	80	-.2759E+03	.0000E+00	-.6019E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	219	.2759E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	80	-.2759E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE REACTIONS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS+LIVE(X=-.402,Y=-1.268,Z=-.402)

REACTIONS

Node	Fx	Fy	Fz	Mx	My	Mz
172	.4829E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
176	.2425E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
180	.0000E+00	.0000E+00	.3473E+04	.0000E+00	.0000E+00	.0000E+00
184	.0000E+00	.0000E+00	.3782E+04	.0000E+00	.0000E+00	.0000E+00

KAISER ENGINEERS HANFORD		Calc. No. W320-24-002
		Revision 1
DESIGN ANALYSIS		Page No. of
Client WHC	WO/Job No. ER 6160	
Subject Flexible Receiver Support - design and analysis.	Date 9-22-94	By M. B. Lasota
	Checked 10-14-94	By R.W. Davidson
Location 241-AY-02B - Sluicing Pit	Revised	By M. B. Lasota

Attachment 7.

Static Analysis -Seismic Load +x, +y, +z, - Run ID=SS18104

Date: 09-22-1994; Time: 08:09:37

Total 32 pages + three cover sheets.

KEH 0037.00 (06/92) KEF055

=============== I M A G E S 3 D ===============

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CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

MATERIAL PROPERTIES

Material No	Modulus of Elasticity	Weight Density	Coeff of Thermal Exp.	Poisson's Ratio	Shear Web Modulus
1	3.00000E+07	7.00200E-01	0.00000E+00	3.00E-01	1.12000E+07
2	1.00000E+09	1.00000E-09	0.00000E+00	3.00E-01	3.85000E+08
3	3.00000E+07	2.83000E-01	0.00000E+00	3.00E-01	1.12000E+07

NONLINEAT SPRING CONSTANTS

Spring Const.	S T I F F N E S S				Limit Displacement	
	KT1	KC1	KT2	KC2	Tension	Compression
1	1.000E+07	0.000E+00	1.000E+07	0.000E+00	0.000E+00	0.000E+00

NODE COORDINATES

Node	X-Coord.	Y-Coord.	Z-Coord.
1	0.00000E+00	0.00000E+00	0.00000E+00
2	2.75000E+00	0.00000E+00	0.00000E+00
3	1.65000E+01	0.00000E+00	0.00000E+00
4	3.00000E+01	0.00000E+00	0.00000E+00
5	4.20000E+01	0.00000E+00	0.00000E+00
6	5.40000E+01	0.00000E+00	0.00000E+00
7	6.60000E+01	0.00000E+00	0.00000E+00
8	7.95000E+01	0.00000E+00	0.00000E+00
9	9.00000E+01	0.00000E+00	0.00000E+00
10	1.02000E+02	0.00000E+00	0.00000E+00
11	1.17250E+02	0.00000E+00	0.00000E+00
12	1.20000E+02	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	2.75000E+00
14	2.75000E+00	0.00000E+00	2.75000E+00
15	1.65000E+01	0.00000E+00	2.75000E+00
16	3.00000E+01	0.00000E+00	2.75000E+00
17	4.20000E+01	0.00000E+00	2.75000E+00
18	5.40000E+01	0.00000E+00	2.75000E+00
19	6.60000E+01	0.00000E+00	2.75000E+00
20	7.95000E+01	0.00000E+00	2.75000E+00

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
21	9.00000E+01	0.00000E+00	2.75000E+00
22	1.02000E+02	0.00000E+00	2.75000E+00
23	1.17250E+02	0.00000E+00	2.75000E+00
24	1.20000E+02	0.00000E+00	2.75000E+00
25	0.00000E+00	0.00000E+00	1.65000E+01
26	2.75000E+00	0.00000E+00	1.65000E+01
27	1.65000E+01	0.00000E+00	1.65000E+01
28	3.00000E+01	0.00000E+00	1.65000E+01
29	4.20000E+01	0.00000E+00	1.65000E+01
30	5.40000E+01	0.00000E+00	1.65000E+01
31	6.60000E+01	0.00000E+00	1.65000E+01
32	7.95000E+01	0.00000E+00	1.65000E+01
33	9.00000E+01	0.00000E+00	1.65000E+01
34	1.02000E+02	0.00000E+00	1.65000E+01
35	1.17250E+02	0.00000E+00	1.65000E+01
36	1.20000E+02	0.00000E+00	1.65000E+01
37	0.00000E+00	0.00000E+00	3.00000E+01
38	2.75000E+00	0.00000E+00	3.00000E+01
39	1.65000E+01	0.00000E+00	3.00000E+01
40	7.95000E+01	0.00000E+00	3.00000E+01
41	9.00000E+01	0.00000E+00	3.00000E+01
42	1.02000E+02	0.00000E+00	3.00000E+01
43	1.17250E+02	0.00000E+00	3.00000E+01
44	1.20000E+02	0.00000E+00	3.00000E+01
45	0.00000E+00	0.00000E+00	4.20000E+01
46	2.75000E+00	0.00000E+00	4.20000E+01
47	1.65000E+01	0.00000E+00	4.20000E+01
48	7.95000E+01	0.00000E+00	4.20000E+01
49	9.00000E+01	0.00000E+00	4.20000E+01
50	1.02000E+02	0.00000E+00	4.20000E+01
51	1.17250E+02	0.00000E+00	4.20000E+01
52	1.20000E+02	0.00000E+00	4.20000E+01
53	0.00000E+00	0.00000E+00	5.40000E+01
54	2.75000E+00	0.00000E+00	5.40000E+01
55	1.65000E+01	0.00000E+00	5.40000E+01
56	7.95000E+01	0.00000E+00	5.40000E+01
57	9.00000E+01	0.00000E+00	5.40000E+01
58	1.02000E+02	0.00000E+00	5.40000E+01
59	1.17250E+02	0.00000E+00	5.40000E+01
60	1.20000E+02	0.00000E+00	5.40000E+01
61	0.00000E+00	0.00000E+00	6.60000E+01
62	2.75000E+00	0.00000E+00	6.60000E+01

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
63	1.65000E+01	0.00000E+00	6.60000E+01
64	7.95000E+01	0.00000E+00	6.60000E+01
65	9.00000E+01	0.00000E+00	6.60000E+01
66	1.02000E+02	0.00000E+00	6.60000E+01
67	1.17250E+02	0.00000E+00	6.60000E+01
68	1.20000E+02	0.00000E+00	6.60000E+01
69	0.00000E+00	0.00000E+00	7.95000E+01
70	2.75000E+00	0.00000E+00	7.95000E+01
71	1.65000E+01	0.00000E+00	7.95000E+01
72	3.00000E+01	0.00000E+00	7.95000E+01
73	4.20000E+01	0.00000E+00	7.95000E+01
74	5.40000E+01	0.00000E+00	7.95000E+01
75	6.60000E+01	0.00000E+00	7.95000E+01
76	7.95000E+01	0.00000E+00	7.95000E+01
77	9.00000E+01	0.00000E+00	7.95000E+01
78	1.02000E+02	0.00000E+00	7.95000E+01
79	1.17250E+02	0.00000E+00	7.95000E+01
80	1.20000E+02	0.00000E+00	7.95000E+01
81	0.00000E+00	0.00000E+00	9.32500E+01
82	2.75000E+00	0.00000E+00	9.32500E+01
83	1.65000E+01	0.00000E+00	9.32500E+01
84	3.00000E+01	0.00000E+00	9.32500E+01
85	4.20000E+01	0.00000E+00	9.32500E+01
86	5.40000E+01	0.00000E+00	9.32500E+01
87	6.60000E+01	0.00000E+00	9.32500E+01
88	7.95000E+01	0.00000E+00	9.32500E+01
89	9.00000E+01	0.00000E+00	9.32500E+01
90	1.02000E+02	0.00000E+00	9.32500E+01
91	1.17250E+02	0.00000E+00	9.32500E+01
92	1.20000E+02	0.00000E+00	9.32500E+01
93	0.00000E+00	0.00000E+00	9.60000E+01
94	2.75000E+00	0.00000E+00	9.60000E+01
95	1.65000E+01	0.00000E+00	9.60000E+01
96	3.00000E+01	0.00000E+00	9.60000E+01
97	4.20000E+01	0.00000E+00	9.60000E+01
98	5.40000E+01	0.00000E+00	9.60000E+01
99	6.60000E+01	0.00000E+00	9.60000E+01
100	7.95000E+01	0.00000E+00	9.60000E+01
101	9.00000E+01	0.00000E+00	9.60000E+01
102	1.02000E+02	0.00000E+00	9.60000E+01
103	1.17250E+02	0.00000E+00	9.60000E+01
104	1.20000E+02	0.00000E+00	9.60000E+01

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
105	4.80000E+01	0.00000E+00	2.58750E+01
106	4.22736E+01	0.00000E+00	2.66289E+01
107	3.69375E+01	0.00000E+00	2.88392E+01
108	3.23553E+01	0.00000E+00	3.23553E+01
109	2.88392E+01	0.00000E+00	3.69375E+01
110	2.66289E+01	0.00000E+00	4.22736E+01
111	2.58750E+01	0.00000E+00	4.80000E+01
112	2.66289E+01	0.00000E+00	5.37264E+01
113	2.88392E+01	0.00000E+00	5.90625E+01
114	3.23553E+01	0.00000E+00	6.36447E+01
115	3.69375E+01	0.00000E+00	6.71608E+01
116	4.22736E+01	0.00000E+00	6.93711E+01
117	4.80000E+01	0.00000E+00	7.01250E+01
118	5.37264E+01	0.00000E+00	6.93711E+01
119	5.90625E+01	0.00000E+00	6.71608E+01
120	6.36447E+01	0.00000E+00	6.36447E+01
121	6.71608E+01	0.00000E+00	5.90625E+01
122	6.93711E+01	0.00000E+00	5.37264E+01
123	7.01250E+01	0.00000E+00	4.80000E+01
124	6.93711E+01	0.00000E+00	4.22736E+01
125	6.71608E+01	0.00000E+00	3.69375E+01
126	6.36447E+01	0.00000E+00	3.23553E+01
127	5.90625E+01	0.00000E+00	2.88392E+01
128	5.37264E+01	0.00000E+00	2.66289E+01
129	0.00000E+00	-6.75000E+00	1.65000E+01
130	2.75000E+00	-6.75000E+00	1.65000E+01
131	1.65000E+01	-6.75000E+00	1.65000E+01
132	3.00000E+01	-6.75000E+00	1.65000E+01
133	4.20000E+01	-6.75000E+00	1.65000E+01
134	5.40000E+01	-6.75000E+00	1.65000E+01
135	6.60000E+01	-6.75000E+00	1.65000E+01
136	7.95000E+01	-6.75000E+00	1.65000E+01
137	9.00000E+01	-6.75000E+00	1.65000E+01
138	1.02000E+02	-6.75000E+00	1.65000E+01
139	1.17250E+02	-6.75000E+00	1.65000E+01
140	1.20000E+02	-6.75000E+00	1.65000E+01
141	0.00000E+00	-6.75000E+00	7.95000E+01
142	2.75000E+00	-6.75000E+00	7.95000E+01
143	1.65000E+01	-6.75000E+00	7.95000E+01
144	3.00000E+01	-6.75000E+00	7.95000E+01
145	4.20000E+01	-6.75000E+00	7.95000E+01
146	5.40000E+01	-6.75000E+00	7.95000E+01

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
147	6.60000E+01	-6.75000E+00	7.95000E+01
148	7.95000E+01	-6.75000E+00	7.95000E+01
149	9.00000E+01	-6.75000E+00	7.95000E+01
150	1.02000E+02	-6.75000E+00	7.95000E+01
151	1.17250E+02	-6.75000E+00	7.95000E+01
152	1.20000E+02	-6.75000E+00	7.95000E+01
153	1.65000E+01	-6.75000E+00	0.00000E+00
154	1.65000E+01	-6.75000E+00	2.75000E+00
155	1.65000E+01	-6.75000E+00	3.00000E+01
156	1.65000E+01	-6.75000E+00	4.20000E+01
157	1.65000E+01	-6.75000E+00	5.40000E+01
158	1.65000E+01	-6.75000E+00	6.60000E+01
159	1.65000E+01	-6.75000E+00	9.32500E+01
160	1.65000E+01	-6.75000E+00	9.60000E+01
161	7.95000E+01	-6.75000E+00	0.00000E+00
162	7.95000E+01	-6.75000E+00	2.75000E+00
163	7.95000E+01	-6.75000E+00	3.00000E+01
164	7.95000E+01	-6.75000E+00	4.20000E+01
165	7.95000E+01	-6.75000E+00	5.40000E+01
166	7.95000E+01	-6.75000E+00	6.60000E+01
167	7.95000E+01	-6.75000E+00	9.32500E+01
168	7.95000E+01	-6.75000E+00	9.60000E+01
169	-4.50000E+00	-6.75000E+00	1.65000E+01
170	-4.50000E+00	-2.25000E+01	1.65000E+01
171	1.24500E+02	-6.75000E+00	1.65000E+01
172	1.24500E+02	-2.25000E+01	1.65000E+01
173	-4.50000E+00	-6.75000E+00	7.95000E+01
174	-4.50000E+00	-2.25000E+01	7.95000E+01
175	1.24500E+02	-6.75000E+00	7.95000E+01
176	1.24500E+02	-2.25000E+01	7.95000E+01
177	1.65000E+01	-6.75000E+00	-4.50000E+00
178	1.65000E+01	-2.25000E+01	-4.50000E+00
179	1.65000E+01	-6.75000E+00	1.00500E+02
180	1.65000E+01	-2.25000E+01	1.00500E+02
181	7.95000E+01	-6.75000E+00	-4.50000E+00
182	7.95000E+01	-2.25000E+01	-4.50000E+00
183	7.95000E+01	-6.75000E+00	1.18500E+02
184	7.95000E+01	-2.25000E+01	1.18500E+02
185	5.83750E+01	2.25000E+01	4.80000E+01
186	5.83750E+01	2.02500E+01	4.80000E+01
187	2.75000E+00	-6.75000E+00	2.75000E+00
188	3.00000E+01	-6.75000E+00	2.75000E+00

CHECK GEOMETRY Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Node	X-Coord.	Y-Coord.	Z-Coord.
189	4.20000E+01	-6.75000E+00	2.75000E+00
190	5.40000E+01	-6.75000E+00	2.75000E+00
191	6.60000E+01	-6.75000E+00	2.75000E+00
192	9.00000E+01	-6.75000E+00	2.75000E+00
193	1.02000E+02	-6.75000E+00	2.75000E+00
194	1.17250E+02	-6.75000E+00	2.75000E+00
195	2.75000E+00	-6.75000E+00	9.32500E+01
196	3.00000E+01	-6.75000E+00	9.32500E+01
197	4.20000E+01	-6.75000E+00	9.32500E+01
198	5.40000E+01	-6.75000E+00	9.32500E+01
199	6.60000E+01	-6.75000E+00	9.32500E+01
200	9.00000E+01	-6.75000E+00	9.32500E+01
201	1.02000E+02	-6.75000E+00	9.32500E+01
202	1.17250E+02	-6.75000E+00	9.32500E+01
203	2.75000E+00	-6.75000E+00	3.00000E+01
204	2.75000E+00	-6.75000E+00	4.20000E+01
205	2.75000E+00	-6.75000E+00	5.40000E+01
206	2.75000E+00	-6.75000E+00	6.60000E+01
207	1.17250E+02	-6.75000E+00	3.00000E+01
208	1.17250E+02	-6.75000E+00	4.20000E+01
209	1.17250E+02	-6.75000E+00	5.40000E+01
210	1.17250E+02	-6.75000E+00	6.60000E+01
211	7.95600E+01	0.00000E+00	1.65600E+01
212	9.00000E+01	0.00000E+00	1.65600E+01
213	1.02000E+02	0.00000E+00	1.65600E+01
214	1.17250E+02	0.00000E+00	1.65600E+01
215	1.20000E+02	0.00000E+00	1.65600E+01
216	7.95600E+01	0.00000E+00	7.94400E+01
217	9.00000E+01	0.00000E+00	7.94400E+01
218	1.02000E+02	0.00000E+00	7.94400E+01
219	1.17250E+02	0.00000E+00	7.94400E+01
220	1.20000E+02	0.00000E+00	7.94400E+01
221	7.95600E+01	0.00000E+00	3.00000E+01
222	7.95600E+01	0.00000E+00	4.20000E+01
223	7.95600E+01	0.00000E+00	5.40000E+01
224	7.95600E+01	0.00000E+00	6.60000E+01

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

BEAM PROPERTIES

Multiplier = 1 (For AISC database properties only)

Prop No	N a m e
1	W12X40
2	W8X31
3	W10X49
4	C12X20.7

Prop No	X-Section Area	Moment of Inertia Iy	/ Iz	Torsional Const.- J
1	1.180E+01	4.410E+01	3.100E+02	9.501E-01
2	9.138E+00	3.711E+01	1.100E+02	5.405E-01
3	1.441E+01	9.340E+01	2.720E+02	1.390E+00
4	6.091E+00	3.881E+00	1.290E+02	3.701E-01

Prop No	Max. Fiber Dist Cy	/ Cz	Shear Shape Fact SSFy	/ SSFz	Ctors	Shear Stress Factor SSTRFy	/ SSTRFz
1	4.01E+00	5.97E+00	3.35E+00	1.43E+00	5.15E-01	3.60E+00	2.14E+00
2	4.00E+00	4.00E+00	4.01E+00	1.31E+00	4.35E-01	4.36E+00	1.97E+00
3	4.99E+00	4.98E+00	4.25E+00	1.29E+00	5.60E-01	4.63E+00	1.93E+00
4	2.24E+00	6.00E+00	1.80E+00	2.07E+00	5.01E-01	2.13E+00	3.66E+00

BEAM CONNECTIVITY

Beam No	Nodes From/	To /	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I	/ J	Length	Beam Type
1	129	130	25	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
2	130	131	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
3	131	132	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
4	132	133	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
5	133	134	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
6	134	135	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
7	135	136	25	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
8	136	137	25	1	3		0.00E+00	0.00E+00	0.11E+02	Beam
9	137	138	25	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
10	138	139	25	1	3		0.00E+00	0.00E+00	0.15E+02	Beam
11	139	140	25	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
12	141	142	69	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
13	142	143	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
14	143	144	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
15	144	145	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Beam No	Nodes From/	To /	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I /	J	Length	Beam Type
16	145	146	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
17	146	147	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
18	147	148	69	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
19	148	149	69	1	3		0.00E+00	0.00E+00	0.11E+02	Beam
20	149	150	69	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
21	150	151	69	1	3		0.00E+00	0.00E+00	0.15E+02	Beam
22	151	152	69	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
23	153	154	3	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
24	154	131	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
25	131	155	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
26	155	156	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
27	156	157	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
28	157	158	3	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
29	158	143	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
30	143	159	3	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
31	159	160	3	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
32	161	162	8	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
33	162	136	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
34	136	163	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
35	163	164	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
36	164	165	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
37	165	166	8	1	3		0.00E+00	0.00E+00	0.12E+02	Beam
38	166	148	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
39	148	167	8	1	3		0.00E+00	0.00E+00	0.14E+02	Beam
40	167	168	8	1	3		0.00E+00	0.00E+00	0.28E+01	Beam
41	129	169	170	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
42	169	170	129	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
43	140	171	172	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
44	171	172	140	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
45	141	173	174	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
46	173	174	141	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
47	152	175	176	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
48	175	176	152	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
49	153	177	178	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
50	177	178	153	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
51	160	179	180	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
52	179	180	160	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
53	161	181	182	1	3		0.00E+00	0.00E+00	0.45E+01	Beam
54	181	182	161	2	3		0.00E+00	0.00E+00	0.16E+02	Beam
55	168	183	184	1	3		0.00E+00	0.00E+00	0.23E+02	Beam
56	183	184	168	2	3		0.00E+00	0.00E+00	0.16E+02	Beam

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Beam No	Nodes From/	To /	Ref	Prop No	Mat No	pincodes I /	J	Rigid End Offset I /	J	Length	Beam Type
57	185	105	186	3	2		56	0.00E+00	0.00E+00	0.33E+02	Beam
58	185	107	186	3	2		56	0.00E+00	0.00E+00	0.37E+02	Beam
59	185	109	186	3	2		56	0.00E+00	0.00E+00	0.39E+02	Beam
60	185	111	186	3	2		56	0.00E+00	0.00E+00	0.40E+02	Beam
61	185	113	186	3	2		56	0.00E+00	0.00E+00	0.39E+02	Beam
62	185	115	186	3	2		56	0.00E+00	0.00E+00	0.37E+02	Beam
63	185	117	186	3	2		56	0.00E+00	0.00E+00	0.33E+02	Beam
64	185	119	186	3	2		56	0.00E+00	0.00E+00	0.30E+02	Beam
65	185	121	186	3	2		56	0.00E+00	0.00E+00	0.27E+02	Beam
66	185	123	186	3	2		56	0.00E+00	0.00E+00	0.25E+02	Beam
67	185	125	186	3	2		56	0.00E+00	0.00E+00	0.27E+02	Beam
68	185	127	186	3	2		56	0.00E+00	0.00E+00	0.30E+02	Beam
69	185	186	123	3	2			0.00E+00	0.00E+00	0.23E+01	Beam
70	187	154	15	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
71	154	188	16	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
72	188	189	17	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
73	189	190	18	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
74	190	191	19	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
75	191	162	20	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
76	162	192	21	4	3			0.00E+00	0.00E+00	0.11E+02	Beam
77	192	193	22	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
78	193	194	23	4	3			0.00E+00	0.00E+00	0.15E+02	Beam
79	202	201	90	4	3			0.00E+00	0.00E+00	0.15E+02	Beam
80	201	200	89	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
81	200	167	88	4	3			0.00E+00	0.00E+00	0.11E+02	Beam
82	167	199	87	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
83	199	198	86	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
84	198	197	85	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
85	197	196	84	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
86	196	159	83	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
87	159	195	82	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
88	187	130	26	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
89	130	203	38	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
90	203	204	46	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
91	204	205	54	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
92	205	206	62	4	3			0.00E+00	0.00E+00	0.12E+02	Beam
93	206	142	70	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
94	142	195	82	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
95	202	151	79	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
96	151	210	67	4	3			0.00E+00	0.00E+00	0.14E+02	Beam
97	210	209	59	4	3			0.00E+00	0.00E+00	0.12E+02	Beam

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Beam No	Nodes From	To	Ref	Prop No	Mat No	pincodes I / J	Rigid End Offset I	J	Length	Beam Type
98	209	208	51	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
99	208	207	43	4	3		0.00E+00	0.00E+00	0.12E+02	Beam
100	207	139	35	4	3		0.00E+00	0.00E+00	0.14E+02	Beam
101	139	194	23	4	3		0.00E+00	0.00E+00	0.14E+02	Beam

PLATE ELEMENT CONNECTIVITY

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	1	13	14	2	1	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	2	14	15	3	2	1	1.500E+00	3.781E+01		5.000E+00	M+B
QUAD	3	15	16	4	3	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	4	16	17	5	4	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	5	17	18	6	5	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	6	18	19	7	6	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	7	19	20	8	7	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	8	20	21	9	8	1	1.500E+00	2.888E+01		3.818E+00	M+B
QUAD	9	21	22	10	9	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	10	22	23	11	10	1	1.500E+00	4.194E+01		5.545E+00	M+B
QUAD	11	23	24	12	11	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	12	25	26	14	13	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	13	26	27	15	14	1	1.500E+00	1.891E+02		1.000E+00	M+B
QUAD	14	27	28	16	15	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	15	28	29	17	16	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	16	29	30	18	17	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	17	30	31	19	18	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	18	31	32	20	19	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	19	32	33	21	20	1	1.500E+00	1.444E+02		7.636E-01	M+B
QUAD	20	33	34	22	21	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	21	34	35	23	22	1	1.500E+00	2.097E+02		1.109E+00	M+B
QUAD	22	35	36	24	23	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	23	37	38	26	25	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	24	38	39	27	26	1	1.500E+00	1.856E+02		1.019E+00	M+B
QUAD	25	221	41	212	211	1	1.500E+00	1.403E+02		7.768E-01	M+B
QUAD	26	212	41	42	213	1	1.500E+00	1.613E+02		1.120E+00	M+B
QUAD	27	213	42	43	214	1	1.500E+00	2.050E+02		8.813E-01	M+B
QUAD	28	214	43	44	215	1	1.500E+00	3.696E+01		4.887E+00	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	29	45	46	38	37	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	30	46	47	39	38	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	31	222	49	41	221	1	1.500E+00	1.253E+02		8.700E-01	M+B
QUAD	32	49	50	42	41	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	33	50	51	43	42	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	34	51	52	44	43	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	35	53	54	46	45	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	36	54	55	47	46	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	37	223	57	49	222	1	1.500E+00	1.253E+02		8.700E-01	M+B
QUAD	38	57	58	50	49	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	39	58	59	51	50	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	40	59	60	52	51	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	41	61	62	54	53	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	42	62	63	55	54	1	1.500E+00	1.650E+02		1.146E+00	M+B
QUAD	43	224	65	57	223	1	1.500E+00	1.253E+02		8.700E-01	M+B
QUAD	44	65	66	58	57	1	1.500E+00	1.440E+02		1.000E+00	M+B
QUAD	45	66	67	59	58	1	1.500E+00	1.830E+02		1.271E+00	M+B
QUAD	46	67	68	60	59	1	1.500E+00	3.300E+01		2.292E-01	M+B
QUAD	47	69	70	62	61	1	1.500E+00	3.713E+01		2.037E-01	M+B
QUAD	48	70	71	63	62	1	1.500E+00	1.856E+02		1.019E+00	M+B
QUAD	49	216	217	65	224	1	1.500E+00	1.403E+02		7.768E-01	M+B
QUAD	50	217	218	66	65	1	1.500E+00	1.613E+02		8.929E-01	M+B
QUAD	51	218	219	67	66	1	1.500E+00	2.050E+02		1.135E+00	M+B
QUAD	52	219	220	68	67	1	1.500E+00	3.696E+01		2.046E-01	M+B
QUAD	53	81	82	70	69	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	54	82	83	71	70	1	1.500E+00	1.891E+02		1.000E+00	M+B
QUAD	55	83	84	72	71	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	56	84	85	73	72	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	57	85	86	74	73	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	58	86	87	75	74	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	59	87	88	76	75	1	1.500E+00	1.856E+02		9.818E-01	M+B
QUAD	60	88	89	77	76	1	1.500E+00	1.444E+02		7.636E-01	M+B
QUAD	61	89	90	78	77	1	1.500E+00	1.650E+02		8.727E-01	M+B
QUAD	62	90	91	79	78	1	1.500E+00	2.097E+02		1.109E+00	M+B
QUAD	63	91	92	80	79	1	1.500E+00	3.781E+01		2.000E-01	M+B
QUAD	64	93	94	82	81	1	1.500E+00	7.563E+00		1.000E+00	M+B
QUAD	65	94	95	83	82	1	1.500E+00	3.781E+01		5.000E+00	M+B
QUAD	66	95	96	84	83	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	67	96	97	85	84	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	68	97	98	86	85	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	69	98	99	87	86	1	1.500E+00	3.300E+01		4.364E+00	M+B

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	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	70	99	100	88	87	1	1.500E+00	3.713E+01		4.909E+00	M+B
QUAD	71	100	101	89	88	1	1.500E+00	2.888E+01		3.818E+00	M+B
QUAD	72	101	102	90	89	1	1.500E+00	3.300E+01		4.364E+00	M+B
QUAD	73	102	103	91	90	1	1.500E+00	4.194E+01		5.545E+00	M+B
QUAD	74	103	104	92	91	1	1.500E+00	7.563E+00		1.000E+00	M+B
TRI	75	105	30	29		1	1.500E+00	5.625E+01		1.097E+00	M+B
TRI	76	106	105	29		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	77	107	106	29	28	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	78	108	107	28	27	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	79	109	108	27	39	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	80	110	109	39	47	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	81	111	110	47		1	1.500E+00	2.910E+01		5.638E-01	M+B
TRI	82	111	47	55		1	1.500E+00	5.625E+01		1.097E+00	M+B
TRI	83	112	111	55		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	84	113	112	55	63	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	85	114	113	63	71	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	86	115	114	71	72	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	87	116	115	72	73	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	88	73	117	116		1	1.500E+00	2.910E+01		1.829E+00	M+B
TRI	89	73	74	117		1	1.500E+00	5.625E+01		1.280E+00	M+B
TRI	90	74	118	117		1	1.500E+00	2.910E+01		1.392E+00	M+B
QUAD	91	74	75	119	118	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	92	75	76	120	119	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	93	76	64	121	120	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	94	64	56	122	121	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	95	56	123	122		1	1.500E+00	2.910E+01		1.829E+00	M+B
TRI	96	56	48	123		1	1.500E+00	5.625E+01		1.280E+00	M+B
TRI	97	48	124	123		1	1.500E+00	2.910E+01		1.392E+00	M+B
QUAD	98	48	40	125	124	1	1.500E+00	1.014E+02		7.406E-01	M+B
QUAD	99	40	32	126	125	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	100	32	31	127	126	1	1.500E+00	1.475E+02		5.081E-01	M+B
QUAD	101	128	127	31	30	1	1.500E+00	1.014E+02		7.406E-01	M+B
TRI	102	105	128	30		1	1.500E+00	2.910E+01		5.638E-01	M+B
QUAD	103	129	130	26	25	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	104	130	131	27	26	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	105	131	132	28	27	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	106	132	133	29	28	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	107	133	134	30	29	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	108	134	135	31	30	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	109	135	136	32	31	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	110	136	137	33	32	3	2.500E-01	7.088E+01		1.556E+00	M+B

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	111	137	138	34	33	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	112	138	139	35	34	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	113	139	140	36	35	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	114	141	142	70	69	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	115	142	143	71	70	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	116	143	144	72	71	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	117	144	145	73	72	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	118	145	146	74	73	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	119	146	147	75	74	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	120	147	148	76	75	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	121	148	149	77	76	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	122	149	150	78	77	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	123	150	151	79	78	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	124	151	152	80	79	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	125	154	153	3	15	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	126	131	154	15	27	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	127	155	131	27	39	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	128	156	155	39	47	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	129	157	156	47	55	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	130	158	157	55	63	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	131	143	158	63	71	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	132	159	143	71	83	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	133	160	159	83	95	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	134	162	161	8	20	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	135	136	162	20	32	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	136	163	136	32	40	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	137	164	163	40	48	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	138	165	164	48	56	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	139	166	165	56	64	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	140	148	166	64	76	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	141	167	148	76	88	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	142	168	167	88	100	3	2.500E-01	1.856E+01		4.074E-01	M+B
QUAD	143	187	154	15	14	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	144	154	188	16	15	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	145	188	189	17	16	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	146	189	190	18	17	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	147	190	191	19	18	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	148	191	162	20	19	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	149	162	192	21	20	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	150	192	193	22	21	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	151	193	194	23	22	3	2.500E-01	1.029E+02		2.259E+00	M+B

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

	Plate No.	Nodes I	J	K	L	Mat No.	Thickness	Area	Shear Web Thickness	Aspect Ratio	Plate Type
QUAD	152	195	159	83	82	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	153	159	196	84	83	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	154	196	197	85	84	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	155	197	198	86	85	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	156	198	199	87	86	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	157	199	167	88	87	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	158	167	200	89	88	3	2.500E-01	7.088E+01		1.556E+00	M+B
QUAD	159	200	201	90	89	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	160	201	202	91	90	3	2.500E-01	1.029E+02		2.259E+00	M+B
QUAD	161	130	187	14	26	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	162	203	130	26	38	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	163	204	203	38	46	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	164	205	204	46	54	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	165	206	205	54	62	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	166	142	206	62	70	3	2.500E-01	9.113E+01		2.000E+00	M+B
QUAD	167	195	142	70	82	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	168	139	194	23	35	3	2.500E-01	9.281E+01		2.037E+00	M+B
QUAD	169	208	207	43	51	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	170	209	208	51	59	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	171	210	209	59	67	3	2.500E-01	8.100E+01		1.778E+00	M+B
QUAD	172	202	151	79	91	3	2.500E-01	9.281E+01		2.037E+00	M+B

SPRING ELEMENTS

Spring No	Nodes From/	To	Direction	Stiffness No.	Spring Type
1	130	NA	Y	1	NL G
2	139	NA	Y	1	NL G
3	142	NA	Y	1	NL G
4	151	NA	Y	1	NL G

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Spring No	Nodes From/	To	Direction	Stiffness No.	Spring Type
5	154	NA	Y	1	NL G
6	159	NA	Y	1	NL G
7	162	NA	Y	1	NL G
8	167	NA	Y	1	NL G
9	187	NA	Y	1	NL G
10	188	NA	Y	1	NL G
11	189	NA	Y	1	NL G
12	190	NA	Y	1	NL G
13	191	NA	Y	1	NL G
14	192	NA	Y	1	NL G
15	193	NA	Y	1	NL G
16	194	NA	Y	1	NL G
17	195	NA	Y	1	NL G
18	196	NA	Y	1	NL G
19	197	NA	Y	1	NL G
20	198	NA	Y	1	NL G
21	199	NA	Y	1	NL G
22	200	NA	Y	1	NL G
23	201	NA	Y	1	NL G
24	202	NA	Y	1	NL G
25	203	NA	Y	1	NL G
26	204	NA	Y	1	NL G
27	205	NA	Y	1	NL G
28	206	NA	Y	1	NL G
29	207	NA	Y	1	NL G
30	208	NA	Y	1	NL G
31	209	NA	Y	1	NL G
32	210	NA	Y	1	NL G
33	136	211	Translational	2	NL BN
34	33	212	Translational	2	NL BN
35	137	212	Translational	2	NL BN
36	34	213	Translational	2	NL BN
37	138	213	Translational	2	NL BN
38	35	214	Translational	2	NL BN
39	139	214	Translational	2	NL BN
40	36	215	Translational	2	NL BN
41	140	215	Translational	2	NL BN
42	40	221	Translational	2	NL BN
43	163	221	Translational	2	NL BN
44	48	222	Translational	2	NL BN
45	164	222	Translational	2	NL BN

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Spring No	Nodes From/	To	Direction	Stiffness No.	Spring Type
46	56	223	Translational	2	NL BN
47	165	223	Translational	2	NL BN
48	64	224	Translational	2	NL BN
49	166	224	Translational	2	NL BN
50	148	216	Translational	2	NL BN
51	77	217	Translational	2	NL BN
52	149	217	Translational	2	NL BN
53	78	218	Translational	2	NL BN
54	150	218	Translational	2	NL BN
55	79	219	Translational	2	NL BN
56	151	219	Translational	2	NL BN
57	80	220	Translational	2	NL BN
58	152	220	Translational	2	NL BN
59	214	36	Translational	2	NL BN
60	219	80	Translational	2	NL BN

RESTRAINTS

Node No	Global/Local	Restraint Directions
170	GLOBAL	X - - - - -
174	GLOBAL	X - - - - -
178	GLOBAL	- - Z - - -
182	GLOBAL	- - Z - - -

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS(X=.402,Y=-.732,Z=.402)

GRAVITY LOADING

Direction	Gravity Factor	Load Factor
X	.4020E+00	.1000E+01
Y	-.7320E+00	.1000E+01
Z	.4020E+00	.1000E+01

INERTIA LOADING

Direction	Translational Accel.	Rotational Accel.	Rotational Velocity	Origin
X	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Y	.0000E+00	.0000E+00	.0000E+00	.0000E+00
Z	.0000E+00	.0000E+00	.0000E+00	.0000E+00

Gravity Acceleration = .3864E+03

CONCENTRATED LOADS

Node	Fx	Fy	Fz	Mx	My	Mz
185	.1812E+04	-.3299E+04	.1812E+04	.0000E+00	.0000E+00	.0000E+00

REFERENCE TEMPERATURE = .0000E+00

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS(X=.402,Y=-.732,Z=.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
1	.7983E+00	-.1454E+01	.7983E+00	.0000E+00	.0000E+00	.0000E+00
2	.4790E+01	-.8721E+01	.4790E+01	.0000E+00	.0000E+00	.0000E+00
3	.8042E+01	-.1464E+02	.8042E+01	.0000E+00	.0000E+00	.0000E+00
4	.7402E+01	-.1348E+02	.7402E+01	.0000E+00	.0000E+00	.0000E+00
5	.6967E+01	-.1269E+02	.6967E+01	.0000E+00	.0000E+00	.0000E+00
6	.6967E+01	-.1269E+02	.6967E+01	.0000E+00	.0000E+00	.0000E+00
7	.7402E+01	-.1348E+02	.7402E+01	.0000E+00	.0000E+00	.0000E+00
8	.7099E+01	-.1293E+02	.7099E+01	.0000E+00	.0000E+00	.0000E+00
9	.6531E+01	-.1189E+02	.6531E+01	.0000E+00	.0000E+00	.0000E+00
10	.7910E+01	-.1440E+02	.7910E+01	.0000E+00	.0000E+00	.0000E+00
11	.5225E+01	-.9514E+01	.5225E+01	.0000E+00	.0000E+00	.0000E+00
12	.7983E+00	-.1454E+01	.7983E+00	.0000E+00	.0000E+00	.0000E+00
13	.4790E+01	-.8721E+01	.4790E+01	.0000E+00	.0000E+00	.0000E+00
14	.3006E+02	-.5473E+02	.3006E+02	.0000E+00	.0000E+00	.0000E+00
15	.4956E+02	-.9024E+02	.4956E+02	.0000E+00	.0000E+00	.0000E+00
16	.4564E+02	-.8310E+02	.4564E+02	.0000E+00	.0000E+00	.0000E+00
17	.4295E+02	-.7821E+02	.4295E+02	.0000E+00	.0000E+00	.0000E+00
18	.4295E+02	-.7821E+02	.4295E+02	.0000E+00	.0000E+00	.0000E+00
19	.4564E+02	-.8310E+02	.4564E+02	.0000E+00	.0000E+00	.0000E+00
20	.4374E+02	-.7965E+02	.4374E+02	.0000E+00	.0000E+00	.0000E+00
21	.4027E+02	-.7332E+02	.4027E+02	.0000E+00	.0000E+00	.0000E+00
22	.4877E+02	-.8880E+02	.4877E+02	.0000E+00	.0000E+00	.0000E+00
23	.3274E+02	-.5962E+02	.3274E+02	.0000E+00	.0000E+00	.0000E+00
24	.4790E+01	-.8721E+01	.4790E+01	.0000E+00	.0000E+00	.0000E+00
25	.8042E+01	-.1464E+02	.8042E+01	.0000E+00	.0000E+00	.0000E+00
26	.4956E+02	-.9024E+02	.4956E+02	.0000E+00	.0000E+00	.0000E+00
27	.9758E+02	-.1777E+03	.9758E+02	.0000E+00	.0000E+00	.0000E+00
28	.6682E+02	-.1217E+03	.6682E+02	.0000E+00	.0000E+00	.0000E+00
29	.5941E+02	-.1082E+03	.5941E+02	.0000E+00	.0000E+00	.0000E+00
30	.5941E+02	-.1082E+03	.5941E+02	.0000E+00	.0000E+00	.0000E+00
31	.6682E+02	-.1217E+03	.6682E+02	.0000E+00	.0000E+00	.0000E+00
32	.7311E+02	-.1331E+03	.7311E+02	.0000E+00	.0000E+00	.0000E+00
33	.3374E+02	-.6143E+02	.3374E+02	.0000E+00	.0000E+00	.0000E+00
34	.4086E+02	-.7440E+02	.4086E+02	.0000E+00	.0000E+00	.0000E+00
35	.2765E+02	-.5035E+02	.2765E+02	.0000E+00	.0000E+00	.0000E+00

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS(X=.402,Y=-.732,Z=.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
36	.4123E+01	-.7508E+01	.4123E+01	.0000E+00	.0000E+00	.0000E+00
37	.7402E+01	-.1348E+02	.7402E+01	.0000E+00	.0000E+00	.0000E+00
38	.4564E+02	-.8310E+02	.4564E+02	.0000E+00	.0000E+00	.0000E+00
39	.6682E+02	-.1217E+03	.6682E+02	.0000E+00	.0000E+00	.0000E+00
40	.2981E+02	-.5427E+02	.2981E+02	.0000E+00	.0000E+00	.0000E+00
41	.6026E+02	-.1097E+03	.6026E+02	.0000E+00	.0000E+00	.0000E+00
42	.7318E+02	-.1332E+03	.7318E+02	.0000E+00	.0000E+00	.0000E+00
43	.4891E+02	-.8906E+02	.4891E+02	.0000E+00	.0000E+00	.0000E+00
44	.7385E+01	-.1345E+02	.7385E+01	.0000E+00	.0000E+00	.0000E+00
45	.6967E+01	-.1269E+02	.6967E+01	.0000E+00	.0000E+00	.0000E+00
46	.4295E+02	-.7821E+02	.4295E+02	.0000E+00	.0000E+00	.0000E+00
47	.5941E+02	-.1082E+03	.5941E+02	.0000E+00	.0000E+00	.0000E+00
48	.2457E+02	-.4475E+02	.2457E+02	.0000E+00	.0000E+00	.0000E+00
49	.5685E+02	-.1035E+03	.5685E+02	.0000E+00	.0000E+00	.0000E+00
50	.6903E+02	-.1257E+03	.6903E+02	.0000E+00	.0000E+00	.0000E+00
51	.4675E+02	-.8513E+02	.4675E+02	.0000E+00	.0000E+00	.0000E+00
52	.6967E+01	-.1269E+02	.6967E+01	.0000E+00	.0000E+00	.0000E+00
53	.6967E+01	-.1269E+02	.6967E+01	.0000E+00	.0000E+00	.0000E+00
54	.4295E+02	-.7821E+02	.4295E+02	.0000E+00	.0000E+00	.0000E+00
55	.5941E+02	-.1082E+03	.5941E+02	.0000E+00	.0000E+00	.0000E+00
56	.2457E+02	-.4475E+02	.2457E+02	.0000E+00	.0000E+00	.0000E+00
57	.5685E+02	-.1035E+03	.5685E+02	.0000E+00	.0000E+00	.0000E+00
58	.6903E+02	-.1257E+03	.6903E+02	.0000E+00	.0000E+00	.0000E+00
59	.4675E+02	-.8513E+02	.4675E+02	.0000E+00	.0000E+00	.0000E+00
60	.6967E+01	-.1269E+02	.6967E+01	.0000E+00	.0000E+00	.0000E+00
61	.7402E+01	-.1348E+02	.7402E+01	.0000E+00	.0000E+00	.0000E+00
62	.4564E+02	-.8310E+02	.4564E+02	.0000E+00	.0000E+00	.0000E+00
63	.6682E+02	-.1217E+03	.6682E+02	.0000E+00	.0000E+00	.0000E+00
64	.2981E+02	-.5427E+02	.2981E+02	.0000E+00	.0000E+00	.0000E+00
65	.6026E+02	-.1097E+03	.6026E+02	.0000E+00	.0000E+00	.0000E+00
66	.7318E+02	-.1332E+03	.7318E+02	.0000E+00	.0000E+00	.0000E+00
67	.4891E+02	-.8906E+02	.4891E+02	.0000E+00	.0000E+00	.0000E+00
68	.7385E+01	-.1345E+02	.7385E+01	.0000E+00	.0000E+00	.0000E+00
69	.8042E+01	-.1464E+02	.8042E+01	.0000E+00	.0000E+00	.0000E+00
70	.4956E+02	-.9024E+02	.4956E+02	.0000E+00	.0000E+00	.0000E+00
71	.9758E+02	-.1777E+03	.9758E+02	.0000E+00	.0000E+00	.0000E+00
72	.6682E+02	-.1217E+03	.6682E+02	.0000E+00	.0000E+00	.0000E+00
73	.5941E+02	-.1082E+03	.5941E+02	.0000E+00	.0000E+00	.0000E+00
74	.5941E+02	-.1082E+03	.5941E+02	.0000E+00	.0000E+00	.0000E+00
75	.6682E+02	-.1217E+03	.6682E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS(X=.402,Y=-.732,Z=.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
76	.7311E+02	-.1331E+03	.7311E+02	.0000E+00	.0000E+00	.0000E+00
77	.3374E+02	-.6143E+02	.3374E+02	.0000E+00	.0000E+00	.0000E+00
78	.4086E+02	-.7440E+02	.4086E+02	.0000E+00	.0000E+00	.0000E+00
79	.2765E+02	-.5035E+02	.2765E+02	.0000E+00	.0000E+00	.0000E+00
80	.4123E+01	-.7508E+01	.4123E+01	.0000E+00	.0000E+00	.0000E+00
81	.4790E+01	-.8721E+01	.4790E+01	.0000E+00	.0000E+00	.0000E+00
82	.3006E+02	-.5473E+02	.3006E+02	.0000E+00	.0000E+00	.0000E+00
83	.4956E+02	-.9024E+02	.4956E+02	.0000E+00	.0000E+00	.0000E+00
84	.4564E+02	-.8310E+02	.4564E+02	.0000E+00	.0000E+00	.0000E+00
85	.4295E+02	-.7821E+02	.4295E+02	.0000E+00	.0000E+00	.0000E+00
86	.4295E+02	-.7821E+02	.4295E+02	.0000E+00	.0000E+00	.0000E+00
87	.4564E+02	-.8310E+02	.4564E+02	.0000E+00	.0000E+00	.0000E+00
88	.4374E+02	-.7965E+02	.4374E+02	.0000E+00	.0000E+00	.0000E+00
89	.4027E+02	-.7332E+02	.4027E+02	.0000E+00	.0000E+00	.0000E+00
90	.4877E+02	-.8880E+02	.4877E+02	.0000E+00	.0000E+00	.0000E+00
91	.3274E+02	-.5962E+02	.3274E+02	.0000E+00	.0000E+00	.0000E+00
92	.4790E+01	-.8721E+01	.4790E+01	.0000E+00	.0000E+00	.0000E+00
93	.7983E+00	-.1454E+01	.7983E+00	.0000E+00	.0000E+00	.0000E+00
94	.4790E+01	-.8721E+01	.4790E+01	.0000E+00	.0000E+00	.0000E+00
95	.8042E+01	-.1464E+02	.8042E+01	.0000E+00	.0000E+00	.0000E+00
96	.7402E+01	-.1348E+02	.7402E+01	.0000E+00	.0000E+00	.0000E+00
97	.6967E+01	-.1269E+02	.6967E+01	.0000E+00	.0000E+00	.0000E+00
98	.6967E+01	-.1269E+02	.6967E+01	.0000E+00	.0000E+00	.0000E+00
99	.7402E+01	-.1348E+02	.7402E+01	.0000E+00	.0000E+00	.0000E+00
100	.7099E+01	-.1293E+02	.7099E+01	.0000E+00	.0000E+00	.0000E+00
101	.6531E+01	-.1189E+02	.6531E+01	.0000E+00	.0000E+00	.0000E+00
102	.7910E+01	-.1440E+02	.7910E+01	.0000E+00	.0000E+00	.0000E+00
103	.5225E+01	-.9514E+01	.5225E+01	.0000E+00	.0000E+00	.0000E+00
104	.7983E+00	-.1454E+01	.7983E+00	.0000E+00	.0000E+00	.0000E+00
105	.1611E+02	-.2933E+02	.1611E+02	.0000E+00	.0000E+00	.0000E+00
106	.1315E+02	-.2395E+02	.1315E+02	.0000E+00	.0000E+00	.0000E+00
107	.2322E+02	-.4227E+02	.2322E+02	.0000E+00	.0000E+00	.0000E+00
108	.2979E+02	-.5425E+02	.2979E+02	.0000E+00	.0000E+00	.0000E+00
109	.2322E+02	-.4227E+02	.2322E+02	.0000E+00	.0000E+00	.0000E+00
110	.1315E+02	-.2395E+02	.1315E+02	.0000E+00	.0000E+00	.0000E+00
111	.1611E+02	-.2933E+02	.1611E+02	.0000E+00	.0000E+00	.0000E+00
112	.1315E+02	-.2395E+02	.1315E+02	.0000E+00	.0000E+00	.0000E+00
113	.2322E+02	-.4227E+02	.2322E+02	.0000E+00	.0000E+00	.0000E+00
114	.2979E+02	-.5425E+02	.2979E+02	.0000E+00	.0000E+00	.0000E+00
115	.2322E+02	-.4227E+02	.2322E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS(X=.402,Y=-.732,Z=.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
116	.1315E+02	-.2395E+02	.1315E+02	.0000E+00	.0000E+00	.0000E+00
117	.1611E+02	-.2933E+02	.1611E+02	.0000E+00	.0000E+00	.0000E+00
118	.1315E+02	-.2395E+02	.1315E+02	.0000E+00	.0000E+00	.0000E+00
119	.2322E+02	-.4227E+02	.2322E+02	.0000E+00	.0000E+00	.0000E+00
120	.2979E+02	-.5425E+02	.2979E+02	.0000E+00	.0000E+00	.0000E+00
121	.2322E+02	-.4227E+02	.2322E+02	.0000E+00	.0000E+00	.0000E+00
122	.1315E+02	-.2395E+02	.1315E+02	.0000E+00	.0000E+00	.0000E+00
123	.1611E+02	-.2933E+02	.1611E+02	.0000E+00	.0000E+00	.0000E+00
124	.1315E+02	-.2395E+02	.1315E+02	.0000E+00	.0000E+00	.0000E+00
125	.2322E+02	-.4227E+02	.2322E+02	.0000E+00	.0000E+00	.0000E+00
126	.2979E+02	-.5425E+02	.2979E+02	.0000E+00	.0000E+00	.0000E+00
127	.2322E+02	-.4227E+02	.2322E+02	.0000E+00	.0000E+00	.0000E+00
128	.1315E+02	-.2395E+02	.1315E+02	.0000E+00	.0000E+00	.0000E+00
129	.4999E+01	-.9102E+01	.4999E+01	.0000E+00	.1419E+01	.2585E+01
130	.2262E+02	-.4118E+02	.2262E+02	-.7164E+00	-.2070E+02	-.3698E+02
131	.3920E+02	-.7138E+02	.3920E+02	-.1388E+01	.0000E+00	.1388E+01
132	.1834E+02	-.3340E+02	.1834E+02	.0000E+00	.4279E+01	.7792E+01
133	.1726E+02	-.3143E+02	.1726E+02	.0000E+00	.0000E+00	.0000E+00
134	.1726E+02	-.3143E+02	.1726E+02	.0000E+00	.0000E+00	.0000E+00
135	.1834E+02	-.3340E+02	.1834E+02	.0000E+00	-.4279E+01	-.7792E+01
136	.3686E+02	-.6712E+02	.3686E+02	-.1388E+01	.7293E+01	.1467E+02
137	.1618E+02	-.2947E+02	.1618E+02	.0000E+00	-.3776E+01	-.6876E+01
138	.1960E+02	-.3569E+02	.1960E+02	.0000E+00	-.9908E+01	-.1804E+02
139	.2305E+02	-.4197E+02	.2305E+02	-.7164E+00	.2478E+02	.4584E+02
140	.4999E+01	-.9102E+01	.4999E+01	.0000E+00	-.1419E+01	-.2585E+01
141	.4999E+01	-.9102E+01	.4999E+01	.0000E+00	.1419E+01	.2585E+01
142	.2262E+02	-.4118E+02	.2262E+02	.7164E+00	-.1991E+02	-.3698E+02
143	.3920E+02	-.7138E+02	.3920E+02	.1388E+01	.1524E+01	.1388E+01
144	.1834E+02	-.3340E+02	.1834E+02	.0000E+00	.4279E+01	.7792E+01
145	.1726E+02	-.3143E+02	.1726E+02	.0000E+00	.0000E+00	.0000E+00
146	.1726E+02	-.3143E+02	.1726E+02	.0000E+00	.0000E+00	.0000E+00
147	.1834E+02	-.3340E+02	.1834E+02	.0000E+00	-.4279E+01	-.7792E+01
148	.3686E+02	-.6712E+02	.3686E+02	.1388E+01	.8818E+01	.1467E+02
149	.1618E+02	-.2947E+02	.1618E+02	.0000E+00	-.3776E+01	-.6876E+01
150	.1960E+02	-.3569E+02	.1960E+02	.0000E+00	-.9908E+01	-.1804E+02
151	.2305E+02	-.4197E+02	.2305E+02	.7164E+00	.2557E+02	.4584E+02
152	.4999E+01	-.9102E+01	.4999E+01	.0000E+00	-.1419E+01	-.2585E+01
153	.4999E+01	-.9102E+01	.4999E+01	-.2585E+01	-.1419E+01	.0000E+00
154	.2262E+02	-.4118E+02	.2262E+02	.3698E+02	.2070E+02	.7164E+00
155	.1834E+02	-.3340E+02	.1834E+02	-.7792E+01	-.4279E+01	.0000E+00

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

LOAD CASE 1
DWT+SEIS(X=.402,Y=-.732,Z=.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
156	.1726E+02	-.3143E+02	.1726E+02	.0000E+00	.0000E+00	.0000E+00
157	.1726E+02	-.3143E+02	.1726E+02	.0000E+00	.0000E+00	.0000E+00
158	.1834E+02	-.3340E+02	.1834E+02	.7792E+01	.4279E+01	.0000E+00
159	.2262E+02	-.4118E+02	.2262E+02	-.3698E+02	-.1991E+02	.7164E+00
160	.4999E+01	-.9102E+01	.4999E+01	.2585E+01	.1419E+01	.0000E+00
161	.4999E+01	-.9102E+01	.4999E+01	-.2585E+01	-.1419E+01	.0000E+00
162	.2134E+02	-.3885E+02	.2134E+02	.3698E+02	.2446E+02	.7571E+01
163	.1834E+02	-.3340E+02	.1834E+02	-.7792E+01	-.4279E+01	.0000E+00
164	.1726E+02	-.3143E+02	.1726E+02	.0000E+00	.0000E+00	.0000E+00
165	.1726E+02	-.3143E+02	.1726E+02	.0000E+00	.0000E+00	.0000E+00
166	.1834E+02	-.3340E+02	.1834E+02	.7792E+01	.4279E+01	.0000E+00
167	.2134E+02	-.3885E+02	.2134E+02	-.3698E+02	-.1615E+02	.7571E+01
168	.1708E+02	-.3110E+02	.1708E+02	.1016E+03	.5579E+02	.0000E+00
169	.1121E+02	-.2041E+02	.1121E+02	-.2149E+02	-.2266E+01	.1736E+02
170	.8187E+01	-.1491E+02	.8187E+01	.2149E+02	.0000E+00	-.2149E+02
171	.1121E+02	-.2041E+02	.1121E+02	-.2149E+02	.2266E+01	.2562E+02
172	.8187E+01	-.1491E+02	.8187E+01	.2149E+02	.0000E+00	-.2149E+02
173	.1121E+02	-.2041E+02	.1121E+02	-.2149E+02	-.2266E+01	.1736E+02
174	.8187E+01	-.1491E+02	.8187E+01	.2149E+02	.0000E+00	-.2149E+02
175	.1121E+02	-.2041E+02	.1121E+02	-.2149E+02	.2266E+01	.2562E+02
176	.8187E+01	-.1491E+02	.8187E+01	.2149E+02	.0000E+00	-.2149E+02
177	.1121E+02	-.2041E+02	.1121E+02	-.1736E+02	.2266E+01	.2149E+02
178	.8187E+01	-.1491E+02	.8187E+01	.2149E+02	.0000E+00	-.2149E+02
179	.1121E+02	-.2041E+02	.1121E+02	-.2562E+02	-.2266E+01	.2149E+02
180	.8187E+01	-.1491E+02	.8187E+01	.2149E+02	.0000E+00	-.2149E+02
181	.1121E+02	-.2041E+02	.1121E+02	-.1736E+02	.2266E+01	.2149E+02
182	.8187E+01	-.1491E+02	.8187E+01	.2149E+02	.0000E+00	-.2149E+02
183	.2329E+02	-.4241E+02	.2329E+02	-.1246E+03	-.5664E+02	.2149E+02
184	.8187E+01	-.1491E+02	.8187E+01	.2149E+02	.0000E+00	-.2149E+02
185	.1812E+04	-.3299E+04	.1812E+04	-.5405E-05	.3217E-05	.1134E-04
186	.6516E-08	-.1187E-07	.6516E-08	.2444E-08	.0000E+00	-.2444E-08
187	.1085E+02	-.1975E+02	.1085E+02	.1988E+02	.0000E+00	-.1988E+02
188	.1006E+02	-.1832E+02	.1006E+02	.0000E+00	.2209E+01	.4022E+01
189	.9468E+01	-.1724E+02	.9468E+01	.0000E+00	.0000E+00	.0000E+00
190	.9468E+01	-.1724E+02	.9468E+01	.0000E+00	.0000E+00	.0000E+00
191	.1006E+02	-.1832E+02	.1006E+02	.0000E+00	-.2209E+01	-.4022E+01
192	.8876E+01	-.1616E+02	.8876E+01	.0000E+00	-.1949E+01	-.3549E+01
193	.1075E+02	-.1957E+02	.1075E+02	.0000E+00	-.5114E+01	-.9313E+01
194	.1144E+02	-.2083E+02	.1144E+02	.1988E+02	.2435E+02	.2445E+02
195	.1085E+02	-.1975E+02	.1085E+02	-.1988E+02	-.2184E+02	-.1988E+02

SOLVE DISPLACEMENTS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

L O A D C A S E 1
DWT+SEIS(X=.402,Y=-.732,Z=.402)

APPLIED LOAD VECTOR

Node	Fx	Fy	Fz	Mx	My	Mz
196	.1006E+02	-.1832E+02	.1006E+02	.0000E+00	.2209E+01	.4022E+01
197	.9468E+01	-.1724E+02	.9468E+01	.0000E+00	.0000E+00	.0000E+00
198	.9468E+01	-.1724E+02	.9468E+01	.0000E+00	.0000E+00	.0000E+00
199	.1006E+02	-.1832E+02	.1006E+02	.0000E+00	-.2209E+01	-.4022E+01
200	.8876E+01	-.1616E+02	.8876E+01	.0000E+00	-.1949E+01	-.3549E+01
201	.1075E+02	-.1957E+02	.1075E+02	.0000E+00	-.5114E+01	-.9313E+01
202	.1144E+02	-.2083E+02	.1144E+02	-.1988E+02	.2512E+01	.2445E+02
203	.1006E+02	-.1832E+02	.1006E+02	-.4022E+01	-.2209E+01	.0000E+00
204	.9468E+01	-.1724E+02	.9468E+01	.0000E+00	.0000E+00	.0000E+00
205	.9468E+01	-.1724E+02	.9468E+01	.0000E+00	.0000E+00	.0000E+00
206	.1006E+02	-.1832E+02	.1006E+02	.4022E+01	.2209E+01	.0000E+00
207	.9411E+01	-.1714E+02	.9411E+01	-.4022E+01	-.2209E+01	.0000E+00
208	.9468E+01	-.1724E+02	.9468E+01	.0000E+00	.0000E+00	.0000E+00
209	.9468E+01	-.1724E+02	.9468E+01	.0000E+00	.0000E+00	.0000E+00
210	.9411E+01	-.1714E+02	.9411E+01	.4022E+01	.2209E+01	.0000E+00
211	.1481E+02	-.2697E+02	.1481E+02	.0000E+00	.0000E+00	.0000E+00
212	.3183E+02	-.5797E+02	.3183E+02	.0000E+00	.0000E+00	.0000E+00
213	.3866E+02	-.7039E+02	.3866E+02	.0000E+00	.0000E+00	.0000E+00
214	.2554E+02	-.4650E+02	.2554E+02	.0000E+00	.0000E+00	.0000E+00
215	.3901E+01	-.7104E+01	.3901E+01	.0000E+00	.0000E+00	.0000E+00
216	.1481E+02	-.2697E+02	.1481E+02	.0000E+00	.0000E+00	.0000E+00
217	.3183E+02	-.5797E+02	.3183E+02	.0000E+00	.0000E+00	.0000E+00
218	.3866E+02	-.7039E+02	.3866E+02	.0000E+00	.0000E+00	.0000E+00
219	.2554E+02	-.4650E+02	.2554E+02	.0000E+00	.0000E+00	.0000E+00
220	.3901E+01	-.7104E+01	.3901E+01	.0000E+00	.0000E+00	.0000E+00
221	.2803E+02	-.5105E+02	.2803E+02	.0000E+00	.0000E+00	.0000E+00
222	.2645E+02	-.4816E+02	.2645E+02	.0000E+00	.0000E+00	.0000E+00
223	.2645E+02	-.4816E+02	.2645E+02	.0000E+00	.0000E+00	.0000E+00
224	.2803E+02	-.5105E+02	.2803E+02	.0000E+00	.0000E+00	.0000E+00

SOLVE BEAM LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS(X=.402,Y=-.732,Z=.402)

MAXIMUM STRESS SUMMARY FOR BEAMS/TRUSSES
WITHIN SPECIFIED RANGE 1- 101

Maximum (absolute) Stress = .2621E+04 at BEAM 42

Beam	Axial	Y-Shear	Z-Shear	Torsion	Y-Bending	Z-Bending
42	.3263E+01	.2166E+04	-.3521E+01	-.2008E-14	-.1391E+02	-.2604E+04
	Maximum	Minimum	Cmb. Shear			
	.2621E+04	-.2615E+04	.1311E+04			

SOLVE PLATE LOADS/STRESSES Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS(X=.402,Y=-.732,Z=.402)

MAXIMUM STRESS SUMMARY FOR PLATES
WITHIN SPECIFIED RANGE 1- 172

Maximum (absolute) Stress = .1777E+04 at Plate 88

Plate	Sigma X	Sigma Y	Tau XY	Von Mises
88	.5348E+03	-.1370E+04	.2943E+03	.1777E+04

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS(X=.402,Y=-.732,Z=.402)

SPRING LOADS

Type	Node	Fx	Fy	Fz	Mx	My	Mz
			GSPRG NO. 1				
GLoads	130	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	130	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 2				
GLoads	139	.0000E+00	-.1023E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	139	.0000E+00	-.1023E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 3				
GLoads	142	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	142	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 4				
GLoads	151	.0000E+00	-.8001E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	151	.0000E+00	-.8001E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 5				
GLoads	154	.0000E+00	-.6072E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	154	.0000E+00	-.6072E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 6				
GLoads	159	.0000E+00	-.1945E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	159	.0000E+00	-.1945E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 7				
GLoads	162	.0000E+00	-.1069E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	162	.0000E+00	-.1069E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 8				
GLoads	167	.0000E+00	-.2802E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	167	.0000E+00	-.2802E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 9				
GLoads	187	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	187	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 10				
GLoads	188	.0000E+00	-.5197E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	188	.0000E+00	-.5197E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 11				
GLoads	189	.0000E+00	-.2354E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	189	.0000E+00	-.2354E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 12				
GLoads	190	.0000E+00	-.4926E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	190	.0000E+00	-.4926E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 13				
GLoads	191	.0000E+00	-.3134E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	191	.0000E+00	-.3134E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 14				
GLoads	192	.0000E+00	-.5164E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS(X=.402,Y=-.732,Z=.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
LLoads	192	.0000E+00	-.5164E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 15				
GLoads	193	.0000E+00	-.1847E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	193	.0000E+00	-.1847E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 16				
GLoads	194	.0000E+00	-.1361E+01	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	194	.0000E+00	-.1361E+01	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 17				
GLoads	195	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	195	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 18				
GLoads	196	.0000E+00	-.6908E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	196	.0000E+00	-.6908E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 19				
GLoads	197	.0000E+00	-.1697E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	197	.0000E+00	-.1697E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 20				
GLoads	198	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	198	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 21				
GLoads	199	.0000E+00	-.6703E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	199	.0000E+00	-.6703E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 22				
GLoads	200	.0000E+00	-.1057E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	200	.0000E+00	-.1057E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 23				
GLoads	201	.0000E+00	-.2381E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	201	.0000E+00	-.2381E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 24				
GLoads	202	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	202	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 25				
GLoads	203	.0000E+00	-.1599E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	203	.0000E+00	-.1599E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 26				
GLoads	204	.0000E+00	-.2984E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	204	.0000E+00	-.2984E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 27				
GLoads	205	.0000E+00	-.2462E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	205	.0000E+00	-.2462E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 28				
GLoads	206	.0000E+00	-.1696E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS(X=.402,Y=-.732,Z=.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
LLoads	206	.0000E+00	-.1696E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 29				
GLoads	207	.0000E+00	-.3694E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	207	.0000E+00	-.3694E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 30				
GLoads	208	.0000E+00	-.2928E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	208	.0000E+00	-.2928E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 31				
GLoads	209	.0000E+00	-.2748E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	209	.0000E+00	-.2748E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			GSPRG NO. 32				
GLoads	210	.0000E+00	-.2973E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	210	.0000E+00	-.2973E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 33				
GLoads	136	.8437E+00	.9492E+02	.8437E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	211	-.8437E+00	-.9492E+02	-.8437E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	136	.9492E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	211	-.9492E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 34				
GLoads	33	.0000E+00	.0000E+00	.2435E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	212	.0000E+00	.0000E+00	-.2435E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	33	.2435E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	212	-.2435E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 35				
GLoads	137	.0000E+00	.1196E+03	.1063E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	212	.0000E+00	-.1196E+03	-.1063E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	137	.1196E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	212	-.1196E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 36				
GLoads	34	.0000E+00	.0000E+00	.2735E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	213	.0000E+00	.0000E+00	-.2735E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	34	.2735E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	213	-.2735E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 37				
GLoads	138	.0000E+00	.1281E+03	.1138E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	213	.0000E+00	-.1281E+03	-.1138E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	138	.1281E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	213	-.1281E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			ASPRG NO. 38				
GLoads	35	.0000E+00	.0000E+00	.3310E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	214	.0000E+00	.0000E+00	-.3310E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	35	.3310E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00

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EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS(X=.402,Y=-.732,Z=.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
LLoads	214	-.3310E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 39***			
GLoads	139	.0000E+00	.1368E+03	.1216E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	214	.0000E+00	-.1368E+03	-.1216E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	139	.1368E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	214	-.1368E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 40***			
GLoads	36	.0000E+00	.0000E+00	.2043E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	215	.0000E+00	.0000E+00	-.2043E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	36	.2043E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	215	-.2043E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 41***			
GLoads	140	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	215	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	140	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	215	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 42***			
GLoads	40	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	221	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	40	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	221	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 43***			
GLoads	163	.5834E+00	.6563E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	221	-.5834E+00	-.6563E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	163	.6564E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	221	-.6564E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 44***			
GLoads	48	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	222	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	48	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	222	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 45***			
GLoads	164	.1249E+01	.1405E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	222	-.1249E+01	-.1405E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	164	.1405E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	222	-.1405E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 46***			
GLoads	56	.2138E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	223	-.2138E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	56	.2138E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	223	-.2138E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO. 47***			
GLoads	165	.1078E+01	.1213E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS(X=.402,Y=-.732,Z=.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
GLoads	223	-.1078E+01	-.1213E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	165	.1213E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	223	-.1213E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	48***		
GLoads	64	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	224	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	64	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	224	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	49***		
GLoads	166	.9137E+00	.1028E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	224	-.9137E+00	-.1028E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	166	.1028E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	224	-.1028E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	50***		
GLoads	148	.6544E+00	.7362E+02	-.6544E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	216	-.6544E+00	-.7362E+02	.6544E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	148	.7363E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	216	-.7363E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	51***		
GLoads	77	.0000E+00	.0000E+00	-.1424E+04	.0000E+00	.0000E+00	.0000E+00
GLoads	217	.0000E+00	.0000E+00	.1424E+04	.0000E+00	.0000E+00	.0000E+00
LLoads	77	.1424E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	217	-.1424E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	52***		
GLoads	149	.0000E+00	.1296E+03	-.1152E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	217	.0000E+00	-.1296E+03	.1152E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	149	.1296E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	217	-.1296E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	53***		
GLoads	78	.0000E+00	.0000E+00	-.6637E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	218	.0000E+00	.0000E+00	.6637E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	78	.6637E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	218	-.6637E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	54***		
GLoads	150	.0000E+00	.1276E+03	-.1134E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	218	.0000E+00	-.1276E+03	.1134E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	150	.1276E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	218	-.1276E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
			***ASPRG	NO.	55***		
GLoads	79	.0000E+00	.0000E+00	-.1357E+03	.0000E+00	.0000E+00	.0000E+00
GLoads	219	.0000E+00	.0000E+00	.1357E+03	.0000E+00	.0000E+00	.0000E+00
LLoads	79	.1357E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE SPRING LOADS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS(X=.402,Y=-.732,Z=.402)

Type	Node	Fx	Fy	Fz	Mx	My	Mz
LLoads	219	-.1357E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 56							
GLoads	151	.0000E+00	.1225E+03	-.1089E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	219	.0000E+00	-.1225E+03	.1089E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	151	.1225E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	219	-.1225E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 57							
GLoads	80	.0000E+00	.0000E+00	-.4485E+02	.0000E+00	.0000E+00	.0000E+00
GLoads	220	.0000E+00	.0000E+00	.4485E+02	.0000E+00	.0000E+00	.0000E+00
LLoads	80	.4485E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	220	-.4485E+02	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 58							
GLoads	152	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
GLoads	220	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	152	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	220	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 59							
GLoads	214	.6004E+03	.0000E+00	-.1310E+02	.0000E+00	.0000E+00	.0000E+00
GLoads	36	-.6004E+03	.0000E+00	.1310E+02	.0000E+00	.0000E+00	.0000E+00
LLoads	214	.6006E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	36	-.6006E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
ASPRG NO. 60							
GLoads	219	.1049E+03	.0000E+00	.2289E+01	.0000E+00	.0000E+00	.0000E+00
GLoads	80	-.1049E+03	.0000E+00	-.2289E+01	.0000E+00	.0000E+00	.0000E+00
LLoads	219	.1049E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
LLoads	80	-.1049E+03	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00

SOLVE REACTIONS Version 2.0 07/01/90

EQUIP. REMOVAL - FLEXIBLE RECEIVER 3 OVER 1 ANALYSIS

Load Case 1:DWT+SEIS(X=.402,Y=-.732,Z=.402)

REACTIONS

Node	Fx	Fy	Fz	Mx	My	Mz
170	-.4555E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
174	-.2699E+04	.0000E+00	.0000E+00	.0000E+00	.0000E+00	.0000E+00
178	.0000E+00	.0000E+00	-.3198E+04	.0000E+00	.0000E+00	.0000E+00
182	.0000E+00	.0000E+00	-.4056E+04	.0000E+00	.0000E+00	.0000E+00

DISTRIBUTION SHEET

To	From	Page 1 of 1
Distribution	JW Bailey	Date 19 July 1998
Project Title/Work Order		EDT No. 622220
Project W-320 Tank 106-C, HNF-2462, Civil/Structural Calculations, Vol. 2		ECN No. n/a

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
JW Bailey	S2-48				
W-320 Project Files	R1-29				

A-6000-135 (01/93) WEF067