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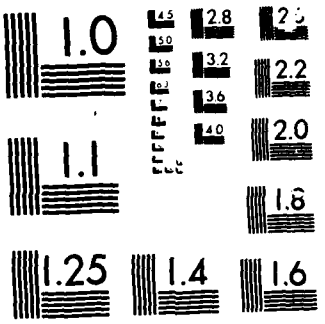

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DESIGN CALCULATIONS

93' MLW STRUCTURE

EAST COAST AIR COMBAT MANEUVERING RANGE
OFFSHORE KITTY HAWK, NORTH CAROLINA
CONTRACT NO. N62477-76-C-0179
MODIFICATION NO. P0001

REPORT NO. 27-771-95

PREPARED FOR
NAVAL FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
CHESAPEAKE DIVISION

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BY
CREST ENGINEERING, INC.
TULSA, OKLAHOMA

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REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION Unclassified	1b. RESTRICTIVE MARKINGS
2a. SECURITY CLASSIFICATION AUTHORITY	3. DISTRIBUTION AVAILABILITY OF REP. Approved for public release; distribution is unlimited
2b. DECLASSIFICATION/DOWNGRADING SCHEDULE	
4. PERFORMING ORGANIZATION REPORT NUMBER Report No. 27-771-95	5. MONITORING ORGANIZATION REPORT # FPO 7614
6a. NAME OF PERFORM. ORG. 6b. OFFICE SYM Crest Engineering, Inc.	7a. NAME OF MONITORING ORGANIZATION Ocean Engineering & Construction Project Office CHESNAVFACENGCOM
6c. ADDRESS (City, State, and Zip Code) Tulsa, OK	7b. ADDRESS (City, State, and Zip) BLDG. 212, Washington Navy Yard Washington, D.C. 20374-2121
8a. NAME OF FUNDING ORG. 8b. OFFICE SYM	9. PROCUREMENT INSTRUMENT INDENT # Contract No. N62477-76-C-0179 Modification No. P0001
8c. ADDRESS (City, State & Zip)	10. SOURCE OF FUNDING NUMBERS PROGRAM ELEMENT # / PROJECT # / TASK # / WORK UNIT ACCESS #

11. TITLE (Including Security Classification)
Design Calculations 93'MLW Structure East Coast Air Combat Maneuvering Range Offshore Kitty Hawk, North Carolina

12. PERSONAL AUTHOR(S)

13a. TYPE OF REPORT	13b. TIME COVERED FROM	TO	14. DATE OF REP. (YYMMDD)	15. PAGES
			76-09	

16. SUPPLEMENTARY NOTATION

17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if nec.)
FIELD	GROUP	SUB-GROUP	Air Combat Maneuvering Range, Towers, Ocean construction

19. ABSTRACT (Continue on reverse if necessary & identify by block number)
This purpose of this report is to provide a document insuring the structural integrity of one of the four marine structures of the U.S. Navy East Coast Air Combat Maneuvering Range, offshore of Kitty Hawk, North Carolina. This structure is identified as Structure 2 at Site 2, resting in (Con't)

20. DISTRIBUTION/AVAILABILITY OF ABSTRACT	21. ABSTRACT SECURITY CLASSIFICATION
SAME AS RPT.	
22a. NAME OF RESPONSIBLE INDIVIDUAL Jacqueline B. Riley	22b. TELEPHONE 22c. OFFICE SYMBOL 202-433-3881

DD FORM 1473, 84MAR SECURITY CLASSIFICATION OF THIS PAGE

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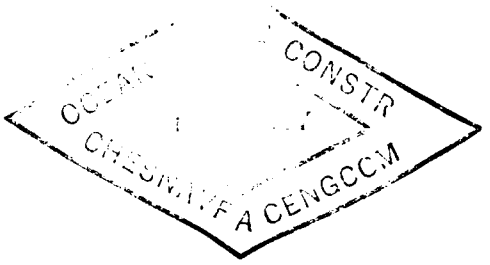

DESIGN CALCULATIONS

93' MLW PLATFORM

EAST COAST AIR COMBAT MANEUVERING RANGE

OFFSHORE KITTY HAWK, NORTH CAROLINA

CONTRACT NO. N62477-76-C-0179

MODIFICATION NO. P0001

Report No. 27-771-95

Prepared for

NAVY FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
CHESAPEAKE DIVISION

By

CREST ENGINEERING, INC.
TULSA, OKLAHOMA

September 1976

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TABLE OF CONTENTS

SECTION		TITLE	PAGE NO.
1.0		INTRODUCTION	
	1.1	Purpose of Document	1.01
	1.2	Description of Structure	1.02
	1.3	Design Criteria	1.07
	1.4	Design Assumptions	1.11
	1.5	Design Summary	1.13
2.0		STRUCTURAL DRAWINGS	
	2.1	Introduction	2.01
	2.2	Vicinity Plan	2.02
	2.3	Assembly Drawing	2.03
	2.4	Structural Drawings - Jacket	2.04
	2.5	Structural Drawings - Superstructure	2.13
3.0		STRUCTURAL IDEALIZATION	
	3.1	Introduction	3.01
	3.2	Sketches - Plans and Elevations	3.03
	3.3	Member Groups	3.19
	3.4	Member Incidences	3.19
	3.5	Foundation Input	3.23
	3.6	Joint Coordinates	3.25
	3.7	Group Properties	3.28
4.0		BASIC LOADS	
	4.1	Introduction	4.01
	4.2	Dead Loads	4.02
	4.3	Live Loads	4.02
	4.4	Wind Loads	4.03
	4.5	Wave Loads	4.04
5.0		LOADING CONDITIONS	
	5.1	Introduction	5.01
	5.2	Loading Conditions	5.02

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A-1 | 23

SECTION		TITLE	PAGE NO.
6.0		SPACE FRAME ANALYSIS	
	6.1	Introduction	6.01
	6.2	Maximum Member Stresses	6.02
	6.3	Maximum Member Forces	6.06
	6.4	Joint Deflections and Rotations	6.10
	6.5	Reactions	6.23
7.0		TUBULAR JOINT ANALYSIS	
	7.1	Introduction	7.01
	7.2	Joint Geometry - Primary Joints	7.03
	7.3	Punching Shear Analysis - Primary Joints	7.05
	7.4	Joints Geometry - Secondary Joints	7.27
	7.5	Punching Shear Analysis - Secondary Joints	7.32
8.0		PILE-JACKET CONNECTION	
	8.1	Introduction	8.01
	8.2	Jacket Loads at Connection	8.02
	8.3	Jacket to Shim	8.03
	8.4	Shim to Pile	8.03
	8.5	Shim Stress	8.03
	8.6	Jacket Leg Stress	8.03
9.0		PILE ANALYSIS	
	9.1	Introduction	9.01
	9.2	Pile Summary	9.02
	9.3	Pile Loads	9.03
	9.4	Pile Capacity Curve	9.04
	9.5	Pile Driving Resistance Curves	9.05
	9.6	Pile Schedule	9.08
	9.7	Soil Data - P-Y Curves	9.12
10.0		INSTALLATION ANALYSES	
	10.1	Introduction	10.01
	10.2	Mudline Pressure on Structure	10.02
	10.3	Lifting Eyes - Jacket	10.05
	10.4	Lift Analysis - Jacket	10.08
	10.5	Floatation Analysis	10.22

SECTION		TITLE	PAGE NO.
11.0		CORROSION PROTECTION	
	11.1	Introduction	11.01
	11.2	Design Data	11.02
	11.3	Submerged Zone	11.03
	11.4	Splash Zone	11.05
	11.5	Atmospheric Zone	11.06
12.0		MATERIAL LIST AND WEIGHT	
	12.1	Introduction	12.01
	12.2	Material Listing and Weight - Superstructure	12.02
	12.3	Material Listing and Weight - Jacket	12.05
	12.4	Material Listing and Weight - Boat Landing	12.08
	12.5	Material Listing and Weight - Boat Fenders	12.11
	12.6	Material Listing and Weight - Piling	12.13
APPENDIX A		ENGINEERING DATA	
	A.1	Environmental Data	
	A.2	Wave Profiles	
APPENDIX B		COMPUTER OUTPUT	
	B.1	SEALOAD - 50 Year Storm - Crest	
	B.2	STRAN - 50 Year Stom	
	B.3	SAPCHK - Primary Joints	
	B.4	SAPCHK - Secondary Joints	
	B.5	Lift Analysis	
	B.6	Material Listing	

SECTION 1.0

INTRODUCTION

1.1 PURPOSE OF REPORT

The purpose of this report is to provide a document insuring the structural integrity of one of the four marine structures of the U.S. Navy East Coast Air Combat Maneuvering Range, offshore of Kitty Hawk, North Carolina. This structure is identified as Structure 2 at Site 2, resting in approximately 93 feet of water.

This report (No. 27-771-95) is part of the documentation required by U. S. Government Contract No. N62477-76-C-0179, Modification No. P0001, let by the Naval Facilities Engineering Command, Department of the Navy, Chesapeake Division with Crest Engineering, Inc., Tulsa, Oklahoma.

1.2 DESCRIPTION OF STRUCTURE

1.2.A Purpose of Structure

The structure, at Site 2 is part of a series of structures comprising the U.S. Navy East Coast Air Combat Maneuvering Range. Its purpose is to provide a platform to support electronic instrumentation necessary for the proper functioning of the East Coast Air Combat Maneuvering Range.

The equipment on the structure includes:

1. Navigation and aircraft warning lights attached to the top of each of the three columns.

2. A signal horn attached to the underside of the Equipment Deck extending toward the sea.

3. A receiver-transmitter assembly attached to the Equipment Deck in the vicinity of the southwest corner.

4. A solar panel assembly attached to the cantilevered deck on the south side of the Equipment Deck.

5. A battery assembly fastened just north of the solar panel assembly.

6. One air-to-ground antenna attached in the center of the Upper Deck.

7. One ground-to-ground antenna, eight feet in diameter, mounted on a vertical guide attached to the southwest column. This antenna is adjustable vertically from El. (+) 75.0' to El. (+) 25.0'.

8. A hand-operated, two-ton marine winch located on the Equipment Deck in the southeast corner.

1.2.B Location

The site for the East Coast Air Combat Maneuvering Range is approximately 26 miles offshore of Kitty Hawk, North Carolina.

Structure 2 will be erected within a half a mile of coordinates 13, 152, 623 North by 1, 566, 734 West (N36^{o} 13' 36", W 75^{o} 14' 59") in 93 feet of water.

The structure will be oriented so that the side of the platform with the cantilevered solar panel deck will face due South. This places the boat landing on the northeast side of the structure, and locates the column with the ground-to-ground antenna nearest the shore.

1.2.C Structural Description

The marine structure consists of a three-pile jacket (template) with equilaterally spaced legs through which steel piles are driven into the seabed. The jacket is then secured to the piling by welding shim plates in the annulus between the jacket leg and piling at the top of the jacket legs. A superstructure consisting of an equipment deck and an upper deck is then attached to the piling above the top of the jacket. This tripod structure has the following features:

1. Upper Deck elevation is at (+) 75.0 feet above Mean Low Water to provide an adequate envelope for the hoist on the Equipment Deck.

2. Equipment Deck elevation is at (+) 60.0 feet above MLW to provide an air gap of 8.0 feet between the deck and the maximum crest of the 50 year storm.

3. To avoid any shadowing of the cells, a cantilevered deck is provided on the south side of the Equipment Deck to support the Solar Panel Assembly.

4. The only diagonal bracing framing the superstructure is between El. (+) 60.0 feet and El. (+) 45.0 feet.

5. The equilateral pile spacing at the pile cut-off El. (+) 16.5 feet is 29.0 feet from centerline to centerline.

6. The true jacket batter is 6 to 1 for each of the three legs.

7. Horizontal bracings for the jacket are located at El. (+) 12.0, El. (-) 13.0, El. (-) 39.0, El. (-) 66.0 and El. (-) 93.0. In addition to the perimeter bracings, secondary horizontal bracings connecting the mid-points of the perimeter bracings are located at each of the above elevations. Diagonal bracing connect the levels.

8. A boat landing is provided on the northeast side of the structure from El. (+) 9.0 to El. (-) 3.0.

9. Boat fenders are attached to the two jacket legs on the boat landing side of the structure to protect the structure from sustaining damage from large impacts of approaching boats. The fenders consist of rubber tires installed around a vertical concrete filled pipe from El. (+) 12.0 to El. (-) 7.5.

1.3 DESIGN CRITERIA

1.3.A Purpose of Structure

1. Wave Data - 50 year storm

MLW Depth	93.0 ft.
Storm Wave Height	60.8 ft.
Storm Wave Period	13.6 sec.
Maximum Storm Tide	3.6 ft.
Maximum Astronomical Tide	4.5 ft.
Extreme Surface Current	4.5 ft./sec.
Mudline Current	0.8 ft./sec.

2. Wind Data

Maximum Gust	174.0 mph
1 Minute Wind	145.0 mph
1 Hour Wind	114.0 mph

The approach of the storm wind and wave can be from any direction.

1.3.B Foundation Criteria

1. The basis for the foundation design is a McClelland report to Cubic Corporation entitled "Foundation Investigation East Coast ACMR Ocean Structures, Volume I". The soil information to be used in this analysis is one boring at Site 2.

2. Due to the nature of the sea bottom and sea bottom currents, scouring of 5 feet below the mudline will be used in the piling design to develop the theorectical soil resistance to laterally applied loads.

1.3.C Live Loads

The design live loads will be:

Equipment Deck	150 psf
Top Deck	100 psf

The loads will be distributed uniformly over the entire deck areas.

1.3.D Material

All structural shapes or fabricated tubular goods are to be ASTM A-36 or equal except for the material used for the structure legs at the joint cans which is to be ASTM A-633, Grade A.

1.3.E Corrosion Protection

1. All portions of the platform above elevation (-) 4.0 feet will be painted.

2. All main structural members located within the splash zone will have an extra 1/2" of sacrificial steel added to their wall thickness. This can be in the form of extra wall thickness or a 1/2" steel plate wrap.

3. The portion of the platform below elevation (-) 4.0 feet will be protected by cathodic protection. This will be provided by sacrificial anodes having a theoretically expected life of twenty years.

1.3.F Pile-Jacket Connection

The platform is analyzed as if the annulus between the jacket and the piling is not grouted. Shim plates will be provided at each horizontal bracing level. Jacket to pile connection is made by welding at elevation (+) 16.5 feet.

1.3.G Design Standards

The criteria employed for determination of structural acceptability are specified by the following documents:

1. American Petroleum Institute (API):

   RP 2A — Recommended Practice for Planning, Designing and Constructing Fixed Offshore Platforms; 7th Edition, January 1976.

   Spec. 2H — Carbon Manganese Steel for Offshore Platform Tubular Joints; 1st Edition, January 1974; Supplement 1, January 1975.

2. American Institute of Steel Construction (AISC):

   Specification for the Design, Fabrication and Erection of Structural Steel for Buildings; February 12, 1969.

3. American Society for Testing and Materials (ASTM):

A36-75 Structural Steel

A633-75 Normalized High-Strength Low-Alloy Structural Steel.

4. American Welding Society (AWS):

D1.1-75 Structural Welding Code. (Rev. 1-76)

1.4 DESIGN ASSUMPTIONS

1.4.A Environmental Criteria

1. Wave Data

(a) Wave Coefficients

$$C_D = 0.74 \qquad C_M = 1.34$$

These wave coefficients are the wave coefficients used to generate Dean's Stream Function wave grid profile for a 3.0 ft. diameter pile. It is assumed that these wave coefficients are applicable to all tubular shapes in this structure.

(b) Wave-Current Coupling

The pressures indicated by Dean's Stream Function wave grid profile include the coupling of the wave forces with the current forces.

2. Wind Data

The structure is designed for the one minute wind superimposed on the 50 year storm wave.

1.4.B Equipment Loads

All equipment loads are included in the area live load. This is a valid assumption because no piece of equipment has a density to produce a load greater than 150 psf.

1.4.C Marine Growth

1. A 1.0" marine growth allowance on the radius is included on all primary jacket members from (+) 0.0 ft. to the mudline.

2. The effective diameter for the drag area produced by the marine growth is:

$$Deff = (Dact + 2.0") \quad (\frac{1.02}{0.74})$$

where $1.02 = C_d$ for medium barnacle fouling

0.74 = Assumed magnitude of Dean's C_d

1.5 DESIGN SUMMARY

1.5.A Environmental Forces:

Total wind and wave shear force (Maximum - Load Condition #2)	1,360 kips
Total overturning moment	117,139 kips

1.5.B Pile Axial Loads:

Maximum Compressive Load (Load Cond. #7 + Pile Weight below Mudline)	2,914 kips
Maximum Tensile Load (Load Cond. #9 + Live Load - Pile Weight below Mudline)	1,972 kips

1.5.C Structural Dimensions:

Piling

Outside Diameter	42 in.
Maximum Wall Thickness	2.37 in.
Minimum Wall Thickness	2.00 in.
Penetration Below Mudline	275 ft.

Jacket

Spacing at Mudline	60.0 ft.
Spacing at Work-Point Level	29.0 ft.
Height (Mudline to Work-Point)	109.5 ft.

Superstructure	
Equipment Deck Area	556.0 ft.^{2}
Top Deck Area	364.0 ft.^{2}

1.5.D Structural Steel Weight

Item	Structure
Piling	1,043 kips
Superstructure	132 kips
Jacket	353 kips
Boat Landing	24 kips
Boat Fenders	14 kips
Anodes	16 kips
Total	1,581 kips

SECTION 2.0

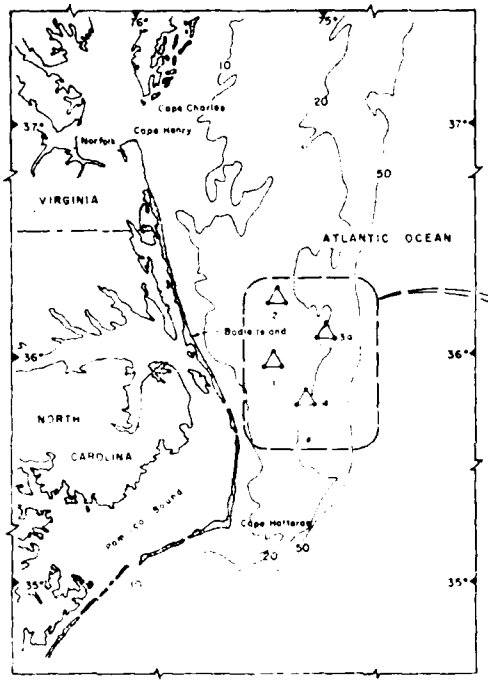
STRUCTURAL DRAWINGS

2.1 INTRODUCTION

A few selected structural engineering drawings are included in this chapter for reference to the design calculations. The Introduction to each Section in this report lists the appropriate drawings pertinent to that particular section. Reference then can be made to this section of the report for a reduced copy of the drawing.

The drawings comprising this section are listed below:

3016263	Vicinity Plan	2.02
3016289	Assembly Drawing - 93 ft. MLW Platform	2.03
3016290	Jacket - Elevations	2.04
3016291	Jacket - Plan at El. (+) 12'-0"	2.05
3016292	Jacket - Plan at El. (-) 13'-0" & (-) 39'-0"	2.06
3016293	Jacket - Plan at El. (-) 66'-0" & (-) 93'-0"	2.07
3016295	Jacket - Pile Shims & Leg Connection	2.08
3016297	Jacket - Lift Eye Details	2.09
3016298	Jacket - Anode Details	2.10
3016302	Jacket - Pile Details	2.11
3016303	Superstructure - Elevations	2.13
3016304	Superstructure - Upper Deck Framing	2.14
3016305	Superstructure - Equipment Deck Framing	2.15



LEGEND:

Structure location

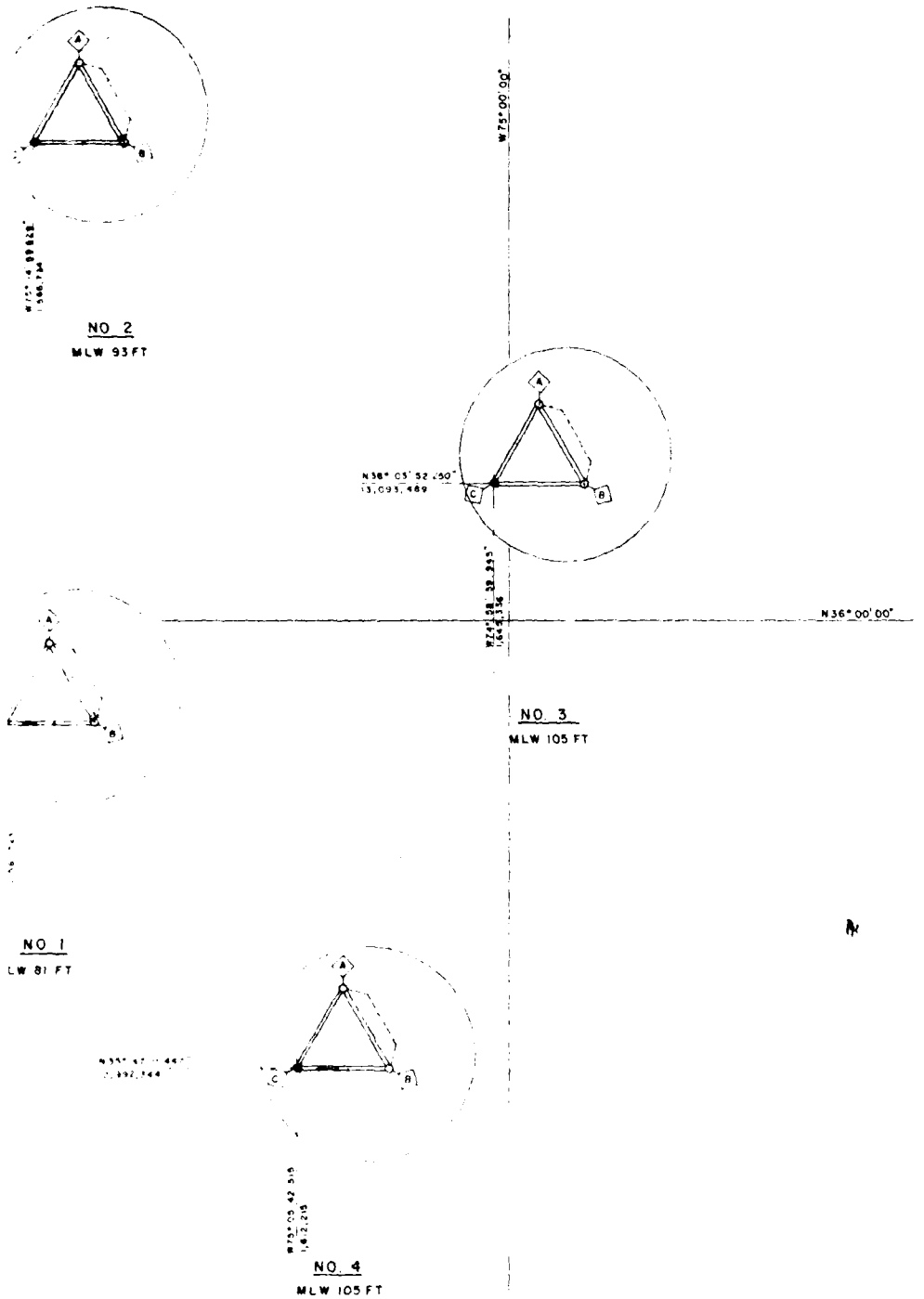
20 Water depth in fathoms

VICINITY MAP

NOTE

1. THE LOCATIONS SHOWN ARE EXPRESSED IN LATITUDE AND LONGITUDE AND IN THE UNIVERSAL TRANSVERSE MERCATOR GRID SYSTEM (ZONE 18, CENTRAL MERIDIAN 75 DEGREES). THESE LOCATIONS WERE DETERMINED UTILIZING THE RAYDIST SURVEY SYSTEM BY OFFSHORE NAVIGATION, INC. OF HARAHAN, LOUISIANA UNDER CONTRACT TO MCCLELLAND ENGINEERS OF NEW ORLEANS, LOUISIANA.

2. WITH REGARD TO WATER DEPTHS, INFORMATION AND DATA PERTINENT TO THE INSTALLATION SITES ARE PRESENTED FOR THE CONTRACTOR'S INFORMATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE DATA AND IT IS TO BE EXPRESSLY UNDERSTOOD THAT THE GOVERNMENT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATION OR CONCLUSION DRAWN THEREFROM.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N38° 03' 52.450"
13,093,469
NO 2
MLW 93 FT
NO 3
MLW 105 FT
NO 1
LW 81 FT
NO 4
MLW 105 FT
SCALES
0
5
10 MILES
U.T.M. COORDINATE
75
0
25
50
75
PLAT SCALE
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS ENGINEERS
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.
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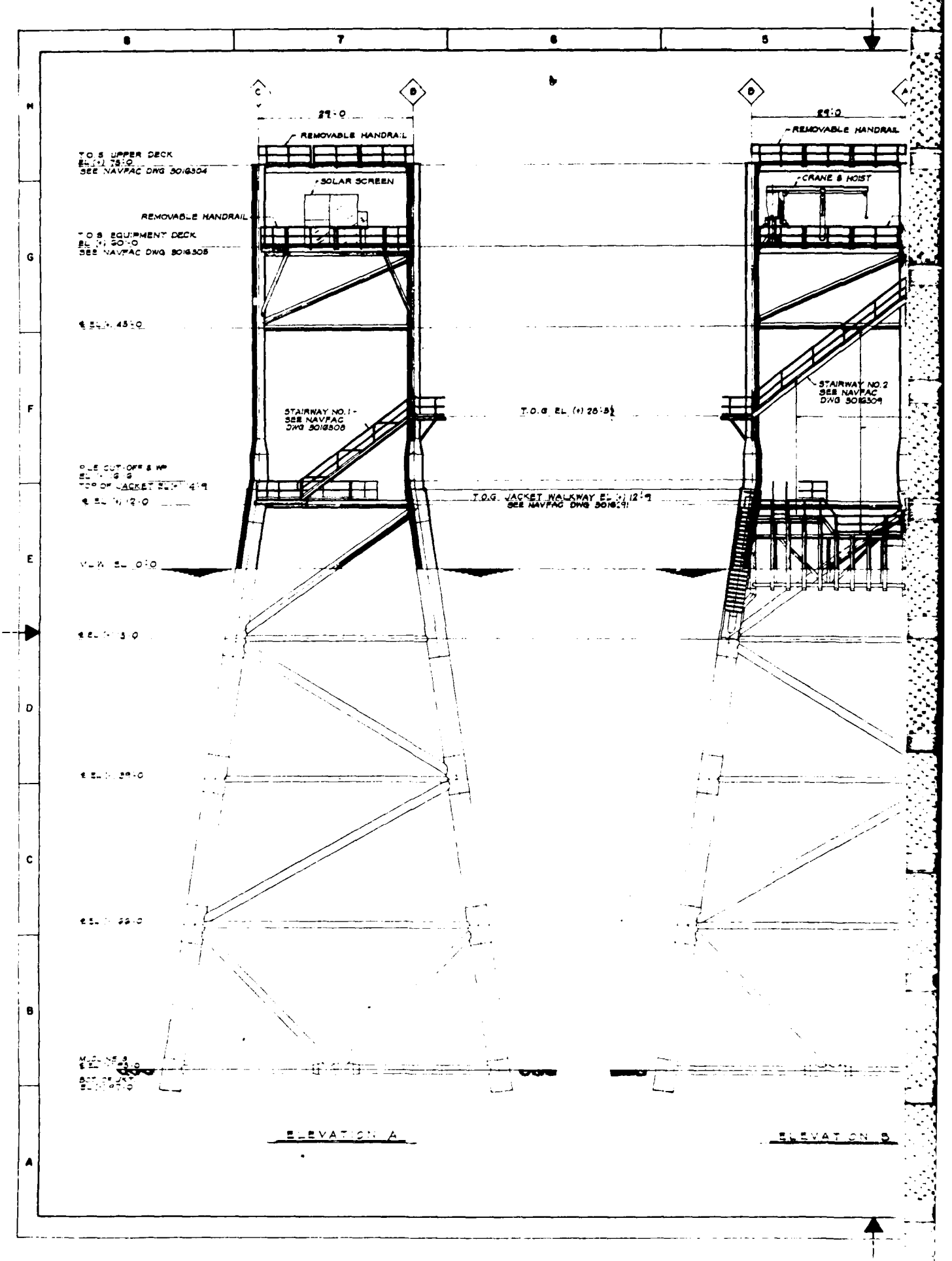
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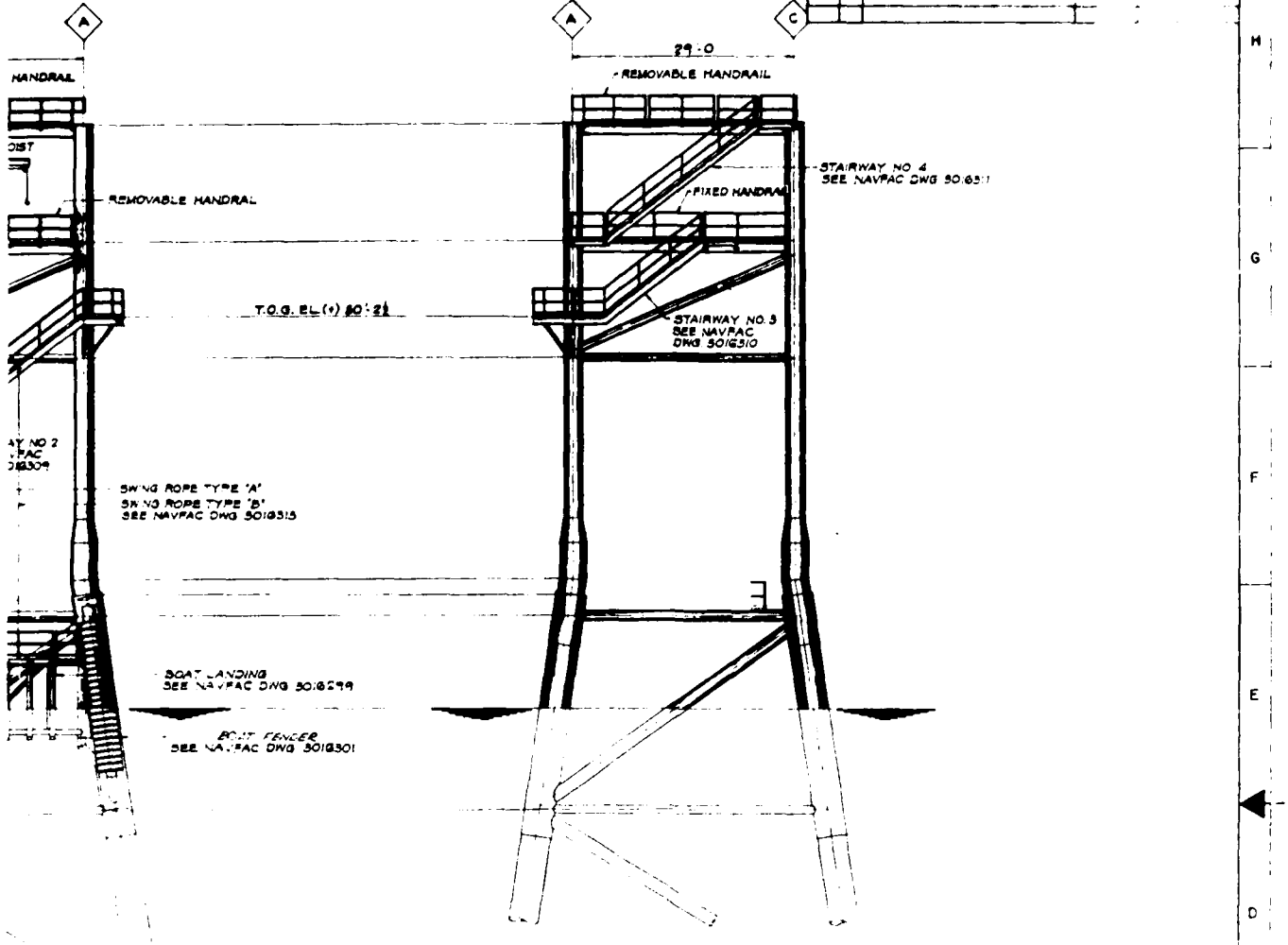
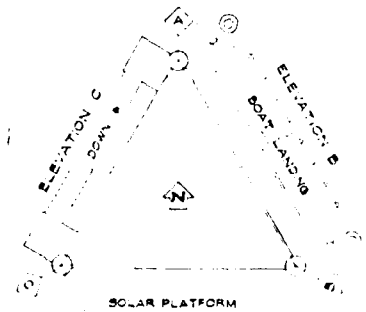
REMOVABLE HANDRAIL
T.O.S. UPPER DECK
EL. (+) 75'-0
SEE NAVFAC DWG 5016304
SOLAR SCREEN
CRANE & HOIST
REMOVABLE HANDRAIL
T.O.S. EQUIPMENT DECK
EL. (+) 50'-0
SEE NAVFAC DWG 5016305
STAIRWAY NO. 1
SEE NAVFAC
DWG 5016306
T.O.G. EL. (+) 26'-8½
STAIRWAY NO. 2
SEE NAVFAC
DWG 5016309
T.O.G. JACKET WALKWAY EL. (+) 12'-9
SEE NAVFAC DWG 5016291
ELEVATION A
ELEVATION B



ELEVATION C



SOLAR PLATFORM

ELEVATION A

KEY PLAN

CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS - ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.	
		ASSEMBLY DRAWING	
		ACMR PLATFORM 2	EAST COAST U.S.A.
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	SCALE 1/8"=1'-0"		SHEET 28 OF 81

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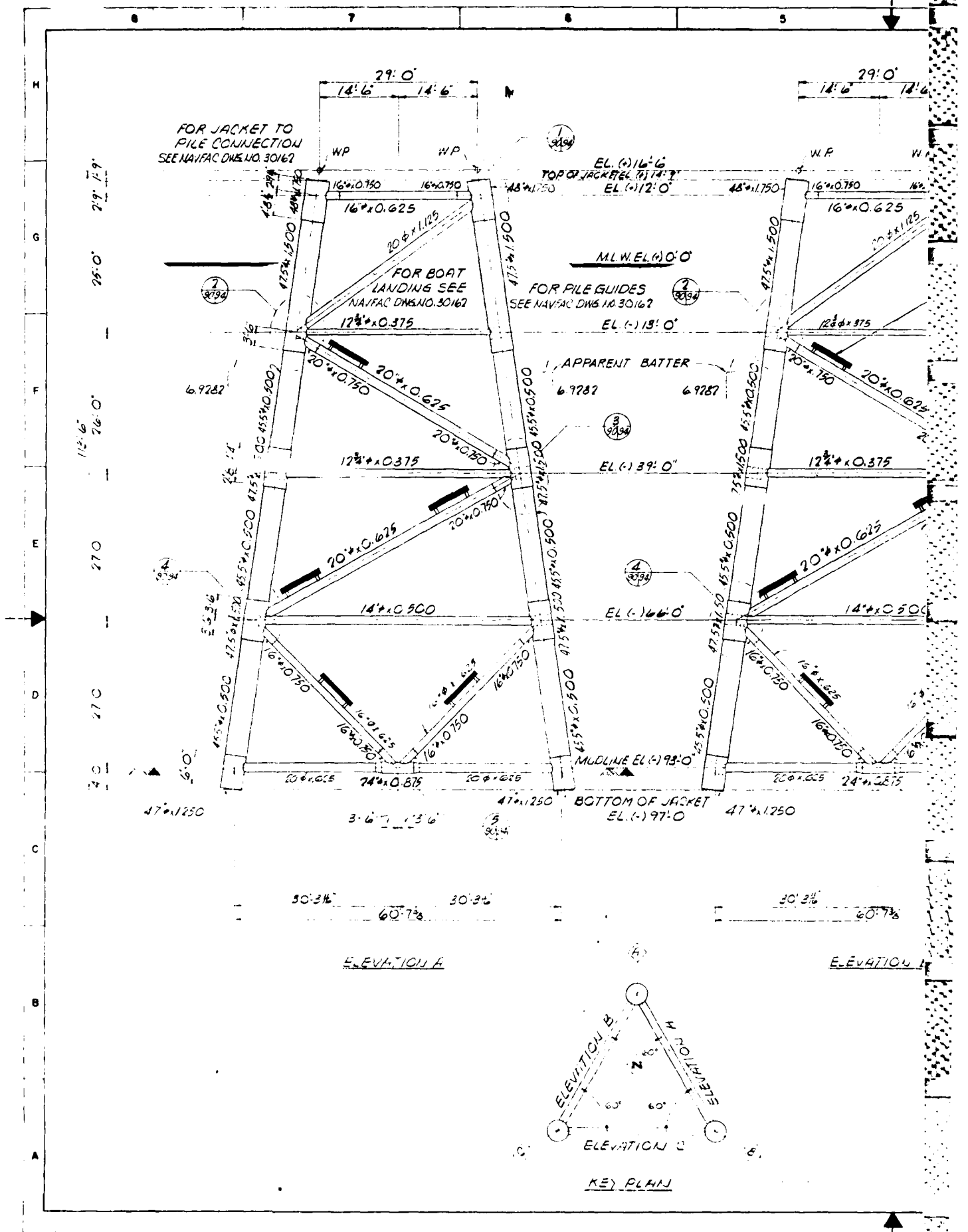
29'-0"
14'-6"
14'-6"
FOR JACKET TO PILE CONNECTION SEE NAVFAC DWG NO. 30162
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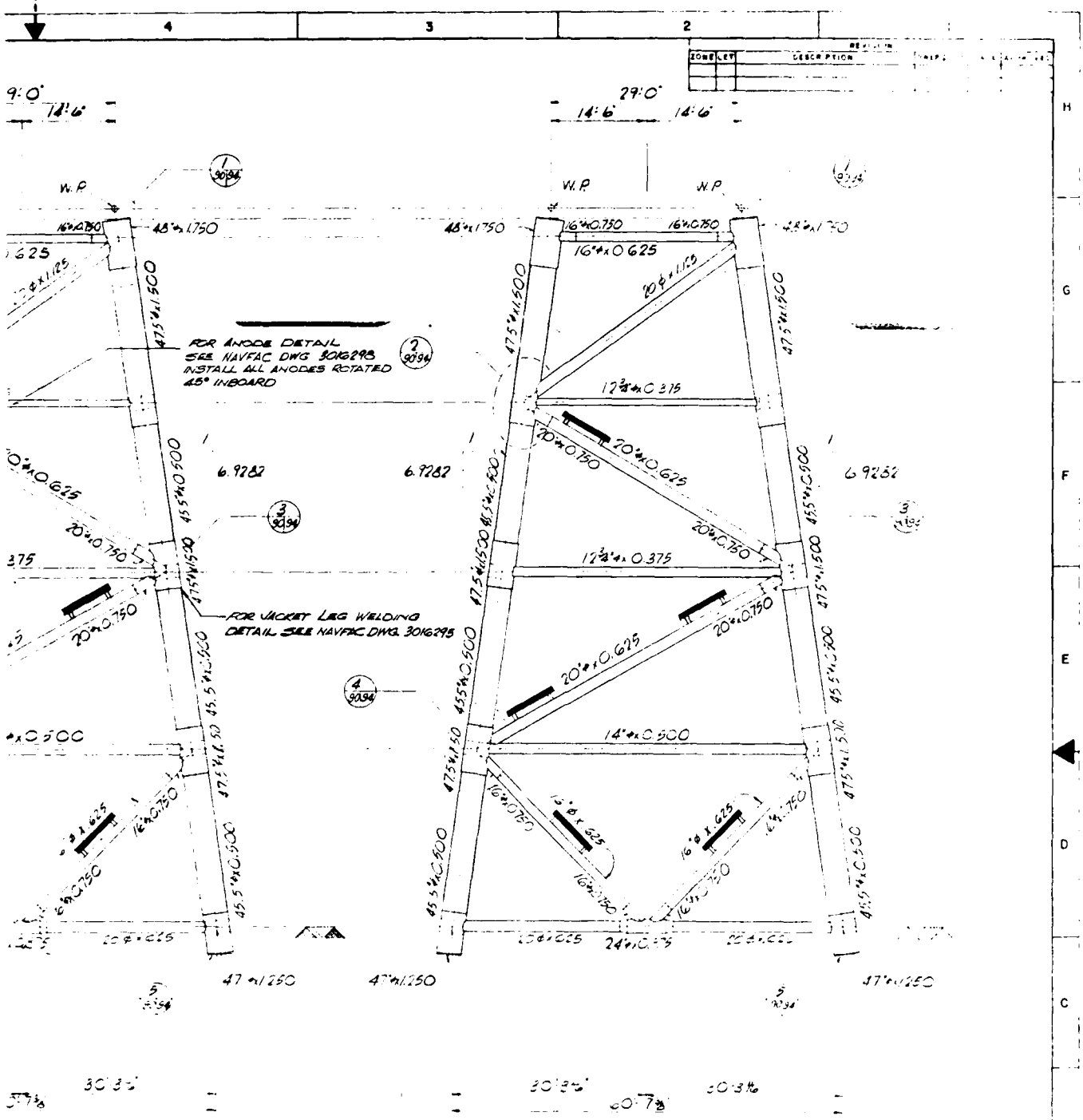
EL. (+)16'-6"
TOP OF JACKET EL. (+)14'-7"
EL (-)12'-0"
16"ϕx0.750
16"ϕx0.625
20"ϕx1.125
48"ϕx1.750
M.L.W. EL (+)0'-0"
FOR BOAT LANDING SEE NAVFAC DWG NO. 30162
FOR PILE GUIDES SEE NAVFAC DWG NO. 30162
12¾"ϕx0.375
EL (-)19'-0"
APPARENT BATTER
6.9782
20"ϕx0.750
20"ϕx0.625
20"ϕx0.500
EL (-)39'-0"
14"ϕx0.500
EL (-)66'-0"
MUDLINE EL (-)93'-0"
74"ϕx0.875
20ϕx1.625
47"ϕx1.250
BOTTOM OF JACKET EL (-)97'-0"
3'-6"
30'-3½"
60'-7½"
ELEVATION A
ELEVATION B
ELEVATION C
KEY PLAN



ELEVATION B

ELEVATION C

FOR GENERAL NOTES SEE NAVFAC DWG 3016294

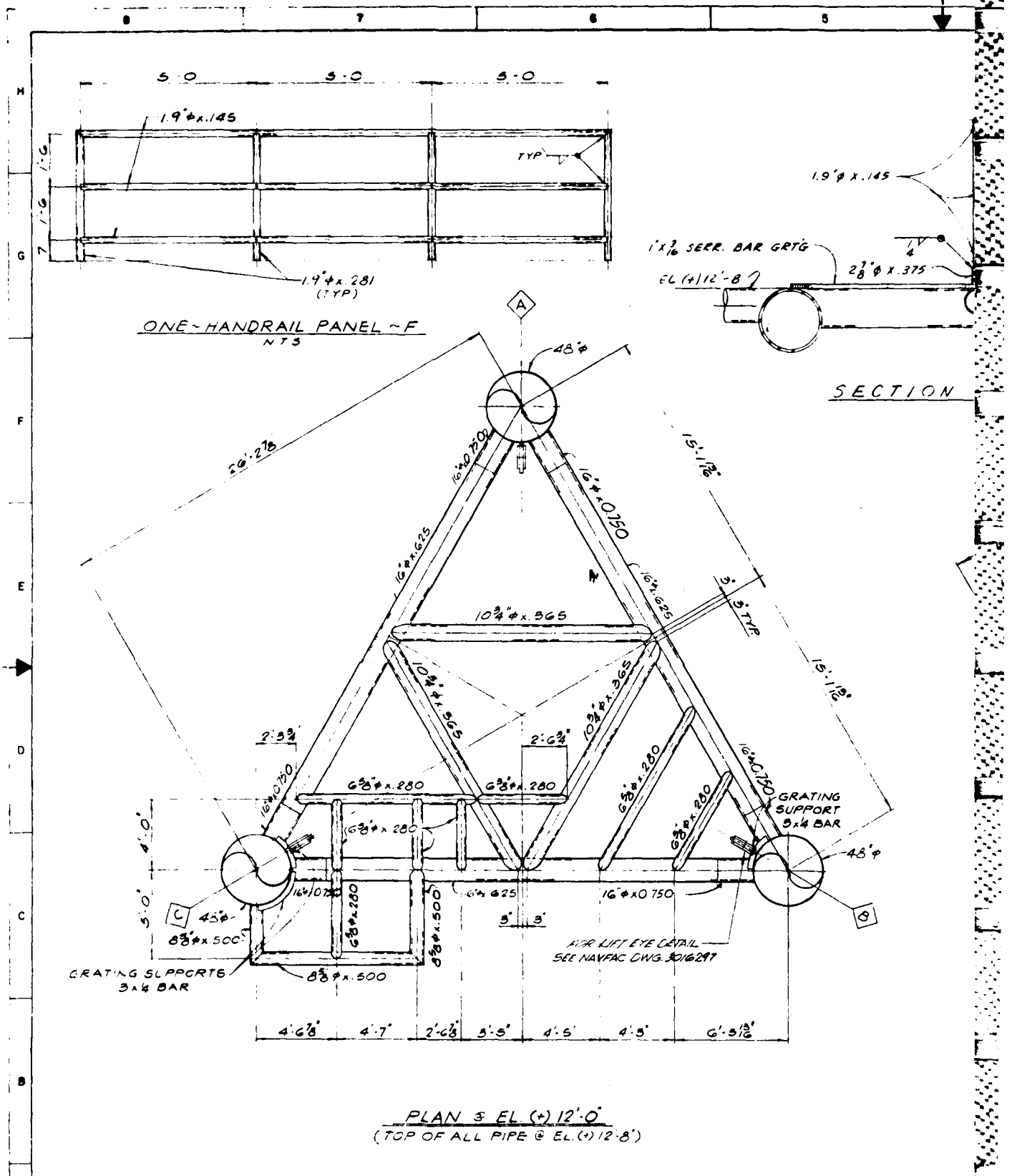
ALL JOINT CANS TO BE ASTM A-633 GRADE A OR API 2H

CONE ENDS OF BRACES TO BE A-633 GRADE B OR API GRADE B

GRAPHIC SCALE

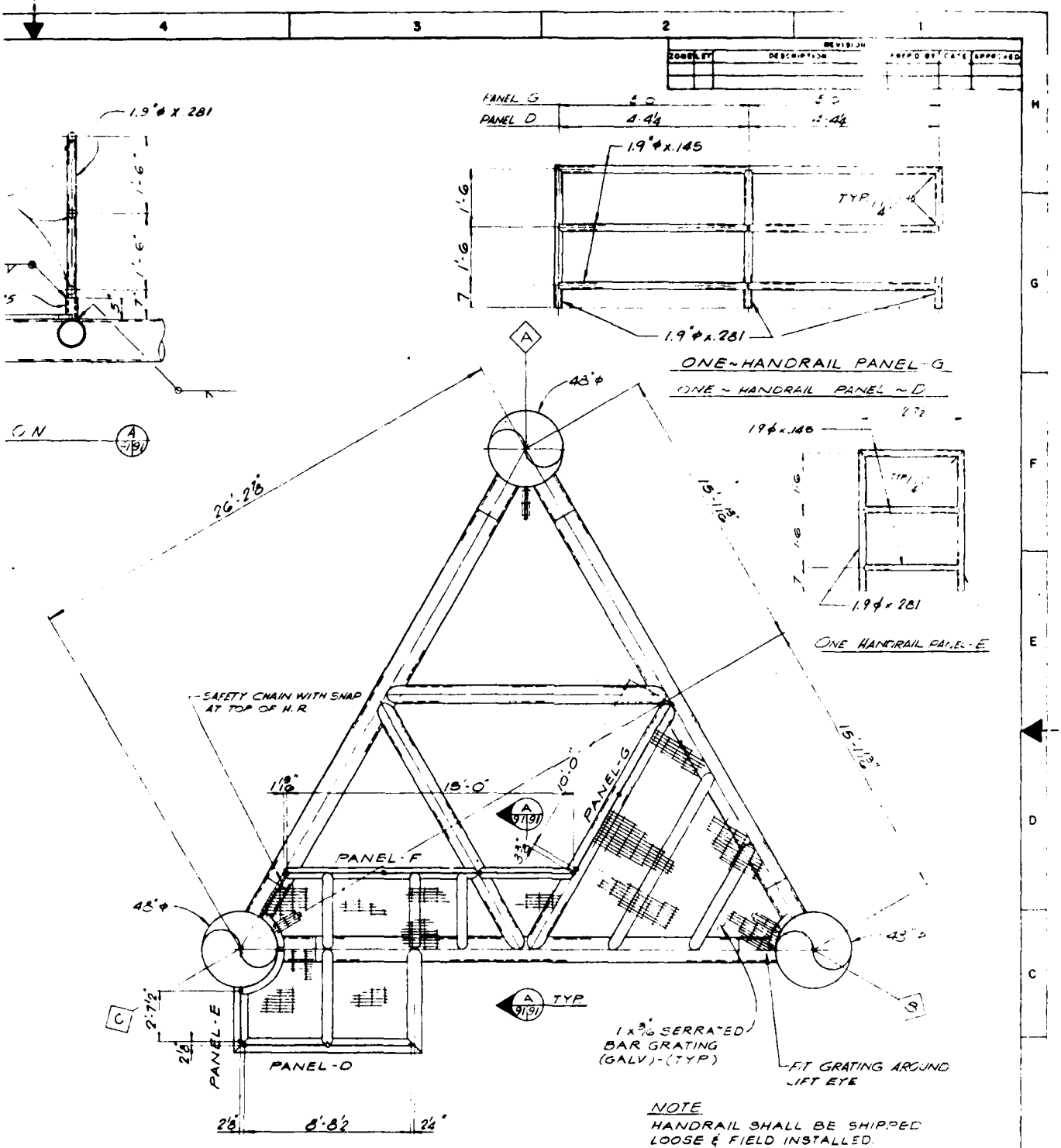
1/8" = 1'-0"

CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS-ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.		
DESIGN SUBMITTED BY DRAWN CHECKED DATE	JACKET ELEVATIONS		
OCEAN ENGR & CONST PROJ OFF FPO1 EIC RVD DIR ENGR & DES D V	ACMR PLATFORM 2		EAST COAST USA
APPROVED HEAD PRO DATE	SIZE F	CODE IDENT NO 80091	NAVFAC DRAWING NO 3016290
APPROVED DATE	SCALE 1/8"=1'-0"		CONSTR CONTR NO N62467-78-C-0180
FPO FOR COMMANDER, NAVFAC		SPEC 51-78-0180	SHEET 53 OF 85



PLAN @ EL (+) 12'-0"

(TOP OF ALL PIPE @ EL. (+) 12'-8")

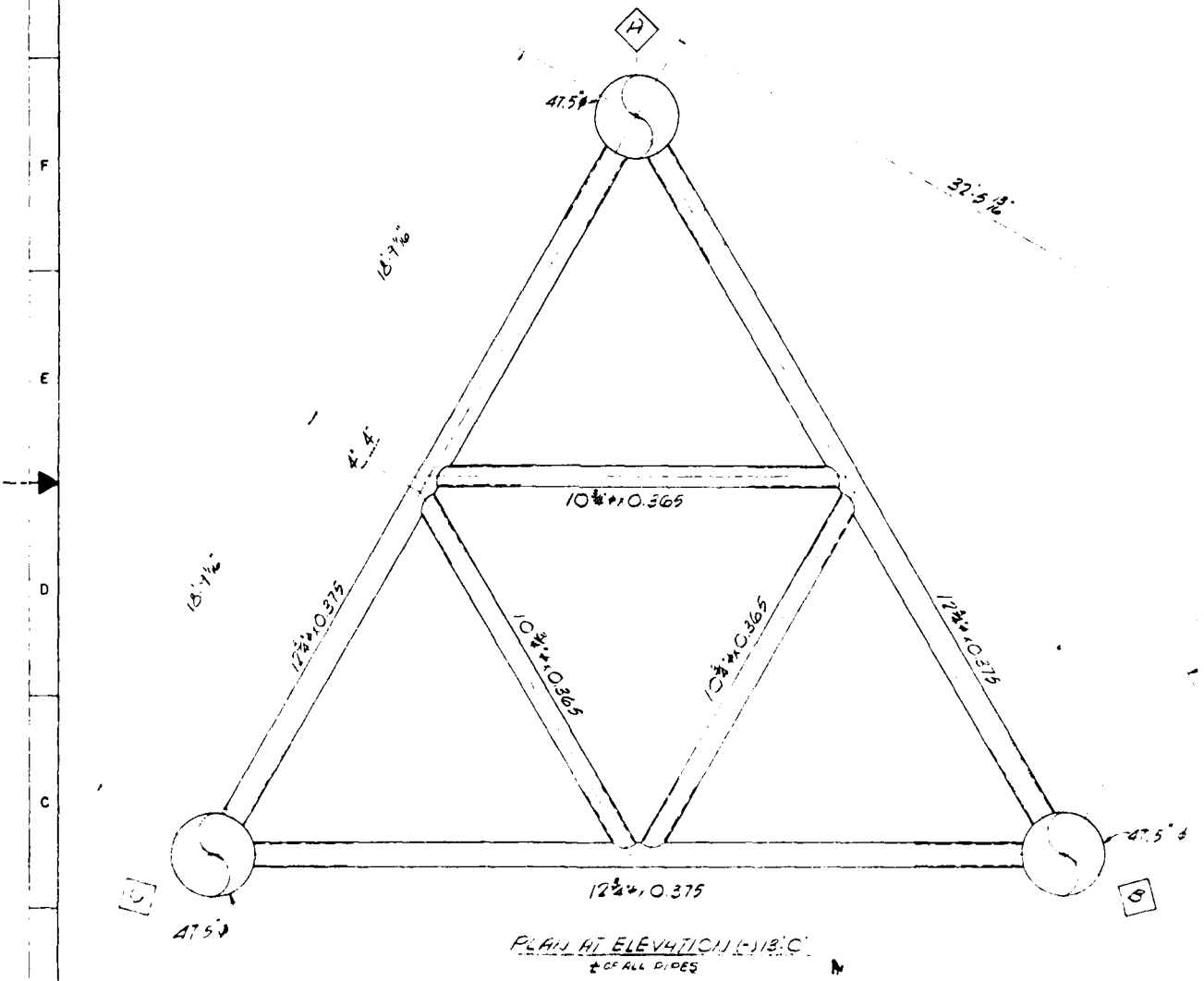


NOTE
HANDRAIL SHALL BE SHIPPED LOOSE & FIELD INSTALLED.

PLAN OF GRATING AND HANDRAIL @ (+) 12'-0"
(TOP OF GRATING EL. (+) 12'-9)

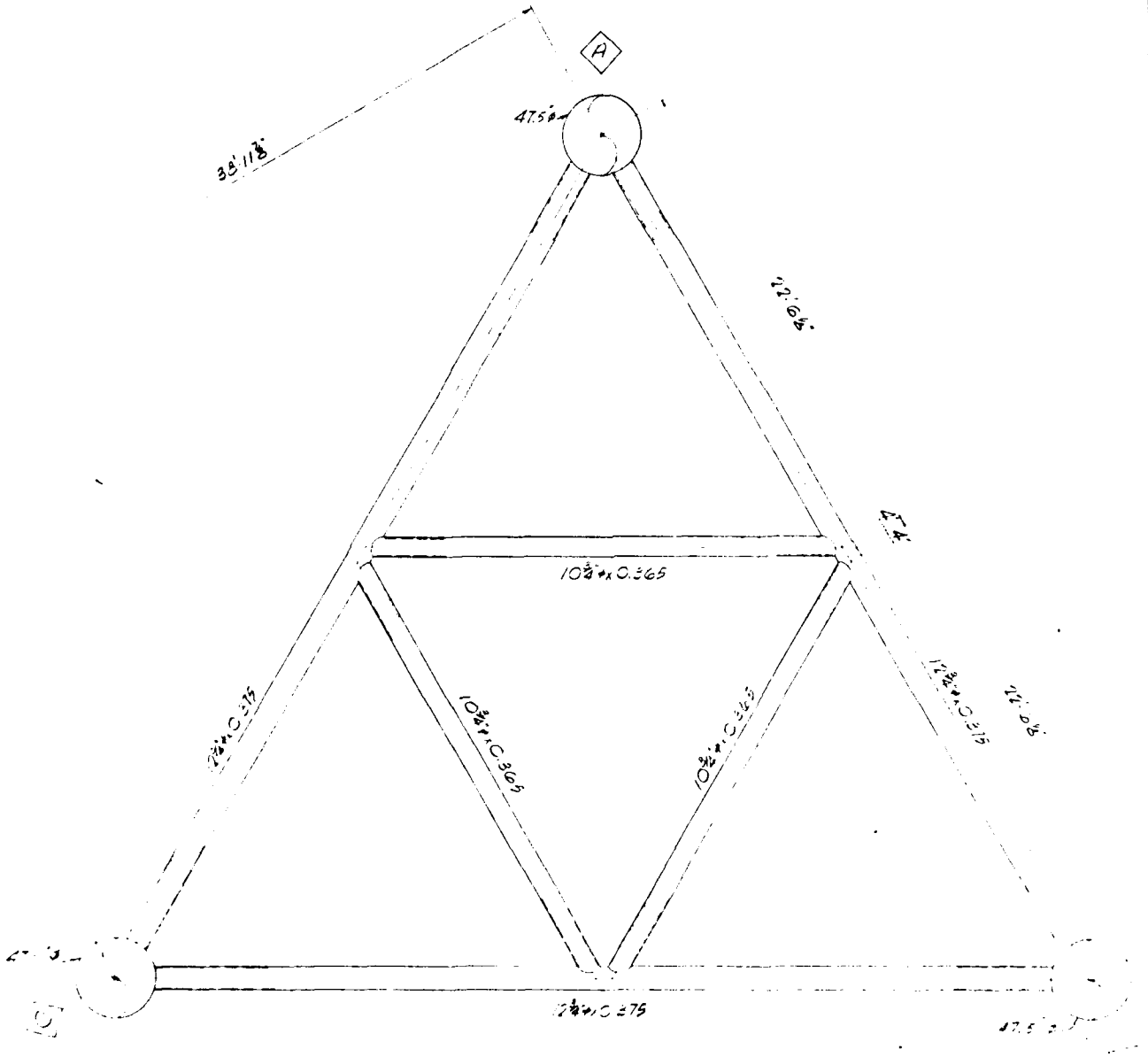
GRAPHIC SCALE
0' 6' 8' 10'
¾" = 1'-0"

CREOT ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.
	JACKET PLAN AT EL (+) 12'-0"
	ACNR PLATFORM 2 EAST COAST USA
SIZE F	CODE IDENT NO 80091
	NAVFAC DRAWING NO 3016291
SCALE ¾" = 1'-0"	SPEC NO 76 0180 SHEET 1 OF 8



PLAN AT ELEVATION (-) B C

℄ OF ALL DIDES

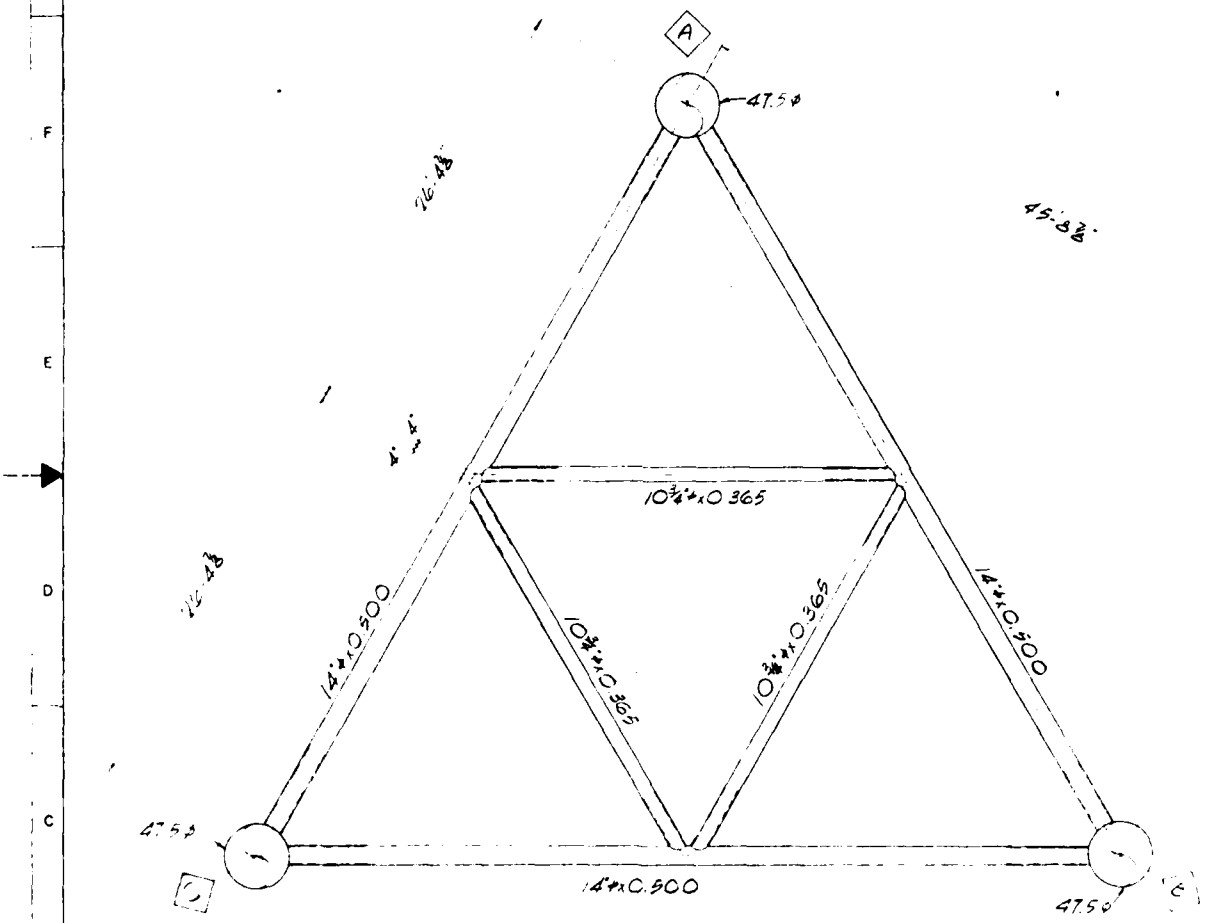


PLAN AT ELEVATION (-)13'-0"
FOR ALL LEGS

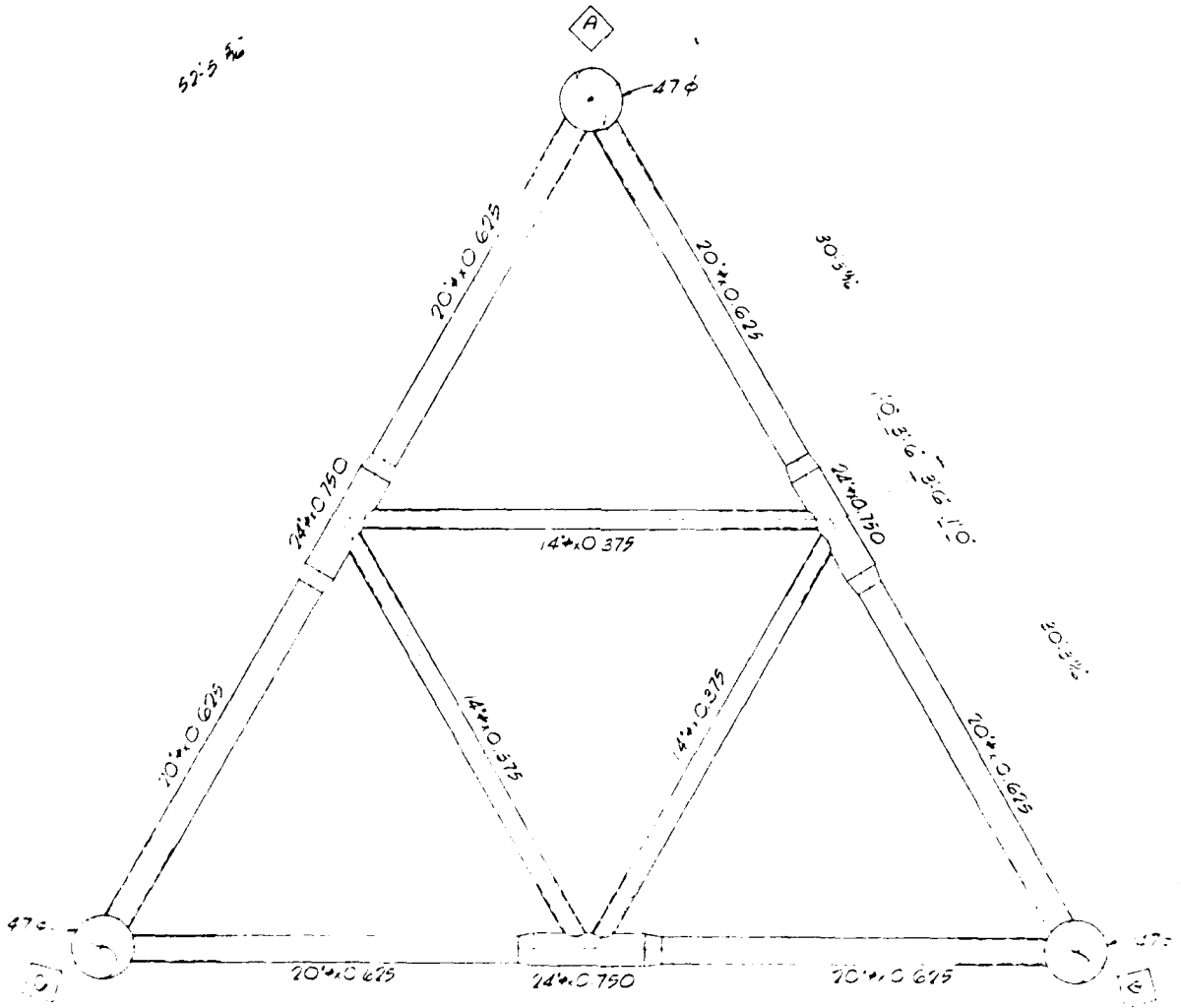
FOR GENERAL NOTES SEE NAVFAC DRAWING

GRAPHIC SCALE

CREST ENGINEERING, INC	DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
TULSA, OKLAHOMA	CHESAPEAKE DIVISION
ARCHITECTS AND ENGINEERS	WASHINGTON, D.C.
JACKET	
PLAN AT EL (-)13'-0"&(-)39'-0"	
ALMR PLATFORM 2	EAST COAST U.S.A.
SIZE F	LINE IDENT NO. 80091
NAVFAC DRAWING NO. 3016292	
CONSTR CONTR NO. (NEXT) 78 C 0080	
SPEC 21-76 (1/80)	SHEET 12 OF 84
SCALE 3/8"=1'-0"	



PLAN AT ELEVATION (-)66'0"
E OF ALL PIPES



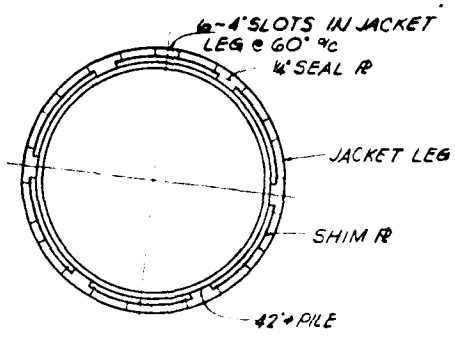
PLAN AT ELEVATION (-) 93-0

ϕ OF ALL PILES

FOR GENERAL NOTES SEE MARINE DRAWING

GRAPHIC SCALE

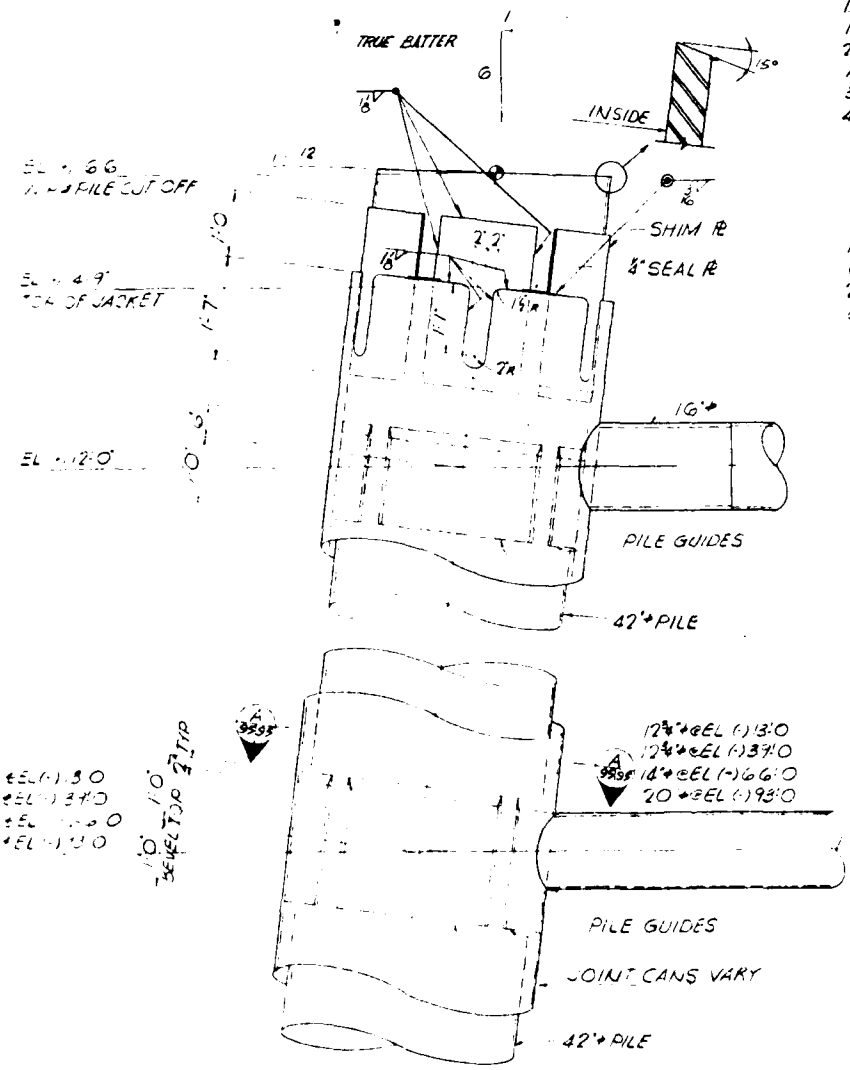
CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.
DESIGN SUBMITTED BY — DR — CHK — DATE OCEAN ENGR & CONST PROJ OFF PROJ DIR ENGR & DES DIV	JACKET PLAN AT EL (-)66'0"&(-)93'0"
APPROVED HEAD FPO — DATE APPROVED — DATE FOR THE COMMANDER NAVFAC	ACMR PLATFORM 2 — EAST COAST USA SIZE F — CNS IDENT NO 80091 — NAVFAC DRAWING NO 3016293 SCALE 1" = 10' — SPEC FY 76 3-80 — SHEET 55 OF 85



NOTE:

1. DO NOT STOP PILE WITH CIRCUMFERENCIAL WELD IN SHIM AREA.
2. CONTRACTOR TO USE SHIELDING WHEN CUTTING SLOTS TO AVOID DAMAGE TO PILES.
3. ORIENT SLOTS TO AVOID LIFTING EYES
4. CONTRACTOR TO FURNISH A WRAP AROUND TEMPLATE FOR TOP OF PILE FIELD CUT.

FABRICATOR TO FURNISH FOLLOWING SHIMS:
6 PL 18 x 18⅜ x 2'-7" } SHIMS TO BE ROLLED AND
24 PL 14 x 18⅜ x 2'-7" } FABRICATED TO MAINTAIN
6 PL 13⅜ x 18⅜ x 2'-7" } TOLERANCES SHOWN

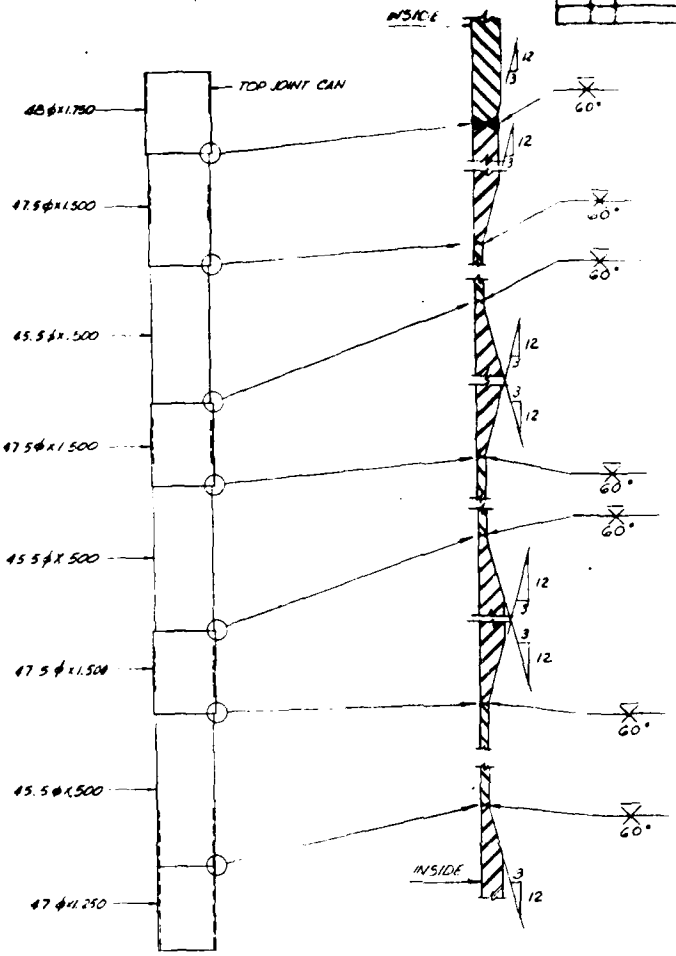


ELEVATION OF LEG
(PILE TO LEG CONNECTION)
(PILE GUIDE DETAILS)

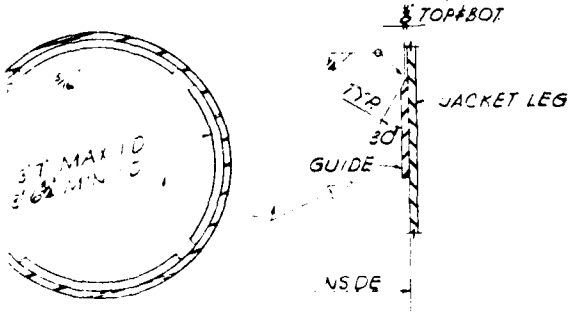
PILE OM...

SE...

NOTE: THE CO... TO MAINTAIN... AFTER FABRI... SHALL BE RE... IF NECESSA...



TYPICAL JACKET LEG WELDING
N.T.S



E OMITTED FOR CLARITY

SECTION A

THE CONTRACTOR SHALL SIZE SHIM PLATES
TAIN DIAMETER TOLERANCES SHOWN
FABRICATION & LOAD OUT TOLERANCES
BE RECHECKED & PILE GUIDES REPLACED
ESSARY

GRAPHIC SCALE

1" = 1'-0"

CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS - ENGINEERS

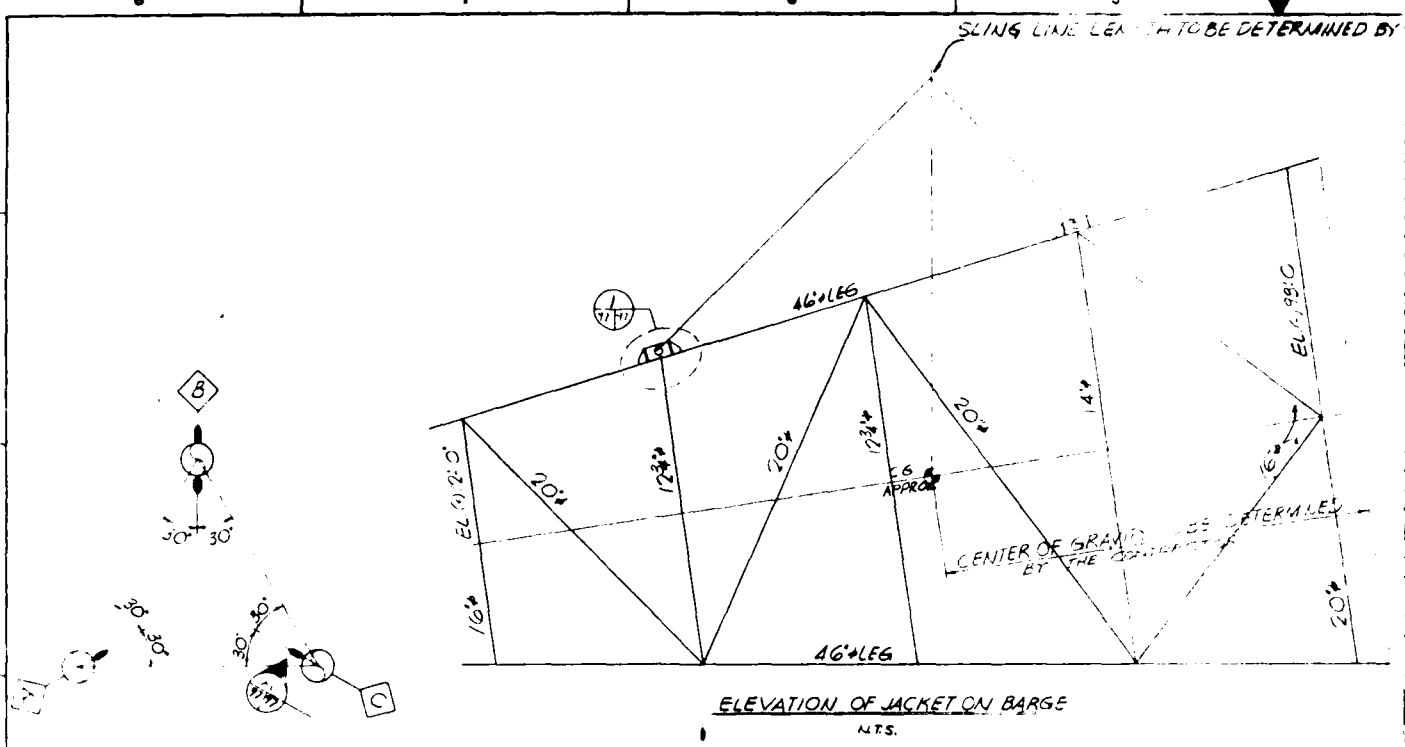
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

JACKET
PILE SHIMS & LEG CONNECTION

A C N R PLATFORM 2 EAST COAST U.S.A.

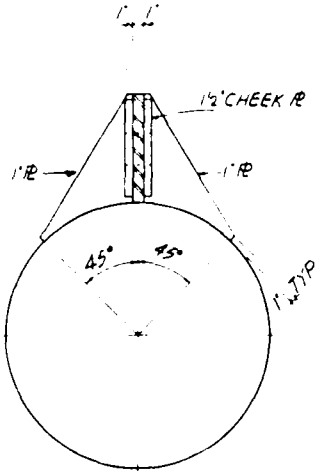
SIZE F | CODE IDENT NO 80091 | NAVFAC DRAWING NO 3016295

SCALE 1" = 1'-0" | SHEET 15 OF 85

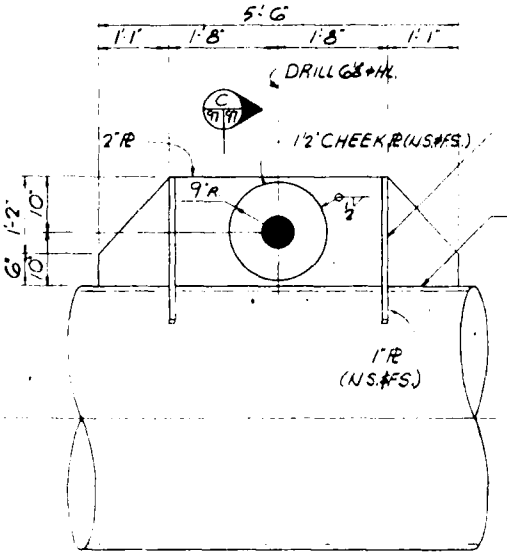


ELEVATION OF JACKET ON BARGE

N.T.S.



SECTION C/77/77

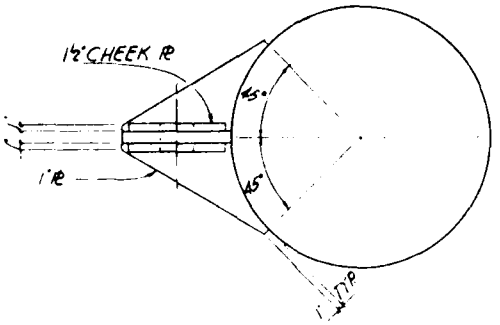


DETAIL 1/77/77

THE CONTRACTOR HAS THE RESPONSIBILITY TO REVIEW THE LIFTING AND INSTALLATION OF THE PADEYE LOCATIONS AND SIZES SHOWN AS TYPICAL AND MUST BE CHECKED TO BE SURE THEY ARE ADEQUATE AND COMPATABLE WITH THE INSTALLATION EQUIPMENT TO BE USED THE CONTRACTOR MUST DETERMINE THE CENTER OF GRAVITY LOCATIONS AND THE WEIGHT OF THE LOAD

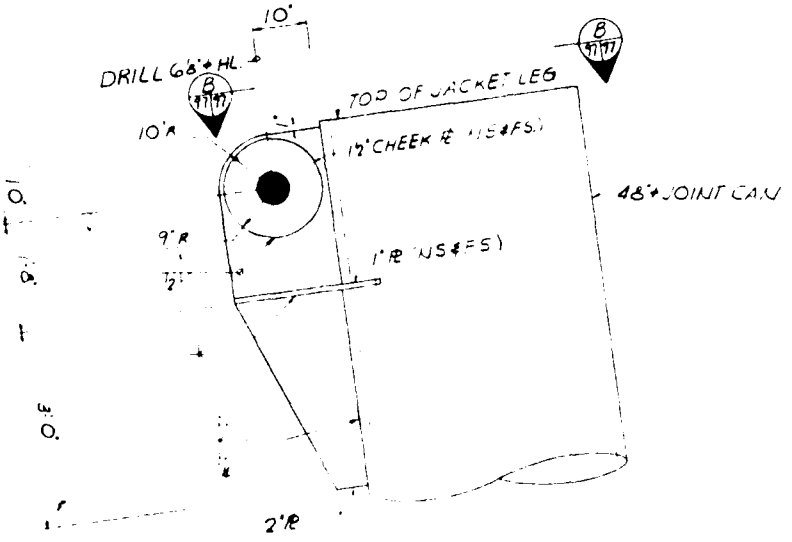
DETERMINED BY THE CONTRACTOR

REVISIONS			
SYMBOL	DESCRIPTION		APPROVED



VIEW (B 97/97)

THE CONTRACTORS
B...ITY TO REVIEW & APPROVE
& INSTALLATION PROCEDURE
E LOCATIONS & SIZES ARE
TYPICAL & MUST BE REVIEWED
F THEY ARE ADEQUATE &
LE WITH THE INSTALLATION
T TO BE USED THE CONTRAC
DETERMINE THE CENTER
LOCATION OF THE HOOK

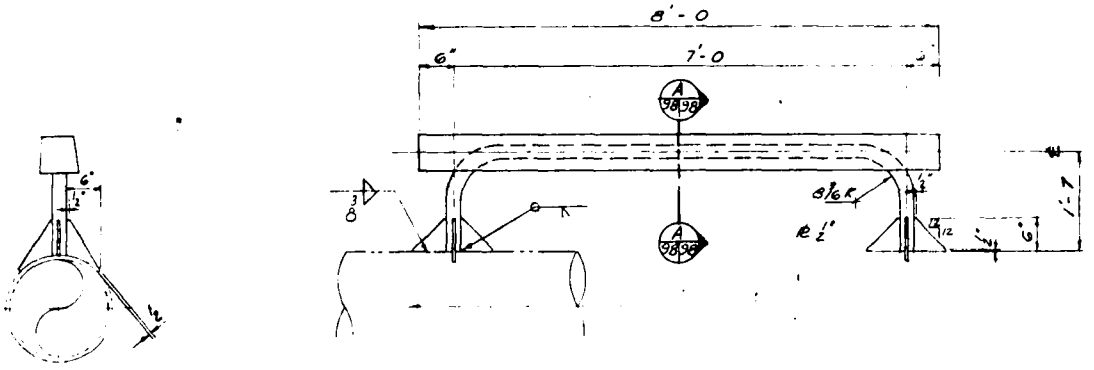


SECTION (A 97/97)

GRAPHIC SCALE

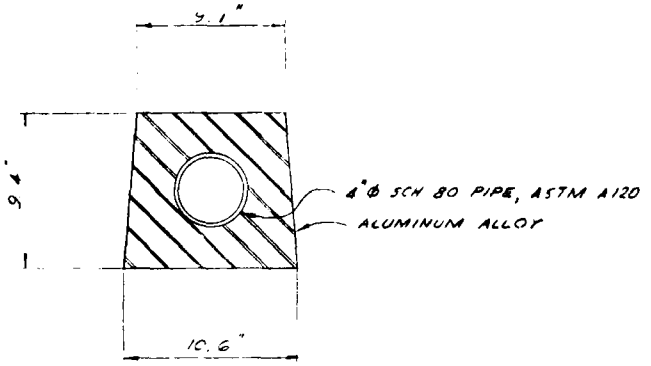
1" = 1'-0"

CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS / ENGINEERS	DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.		
DESIGN DRAWING TYPE B	JACKET LIFTING EYES		
OCEAN ENGR & CONST. TOW OFF ENGR ELEC. — EVS — DIR ENGR & DEP'S	A.C.W. PLATFORM E — EAST COAST, U.S.A.		
APPROVED HEAD ENGR. DATE APPROVED DATE ENG FOR COMMANDER NAVFAC	DATE F	CONS. CONT. NO. 80091	NAVFAC DRAWING NO. 3016297 CONSTR. CONTR. NO. (AS BUILT TO C.O.D.) SCALE 1"=1'-0" — SPEC. P-75 0160 — SHEET 37 OF 85



ANODE DETAIL

SCALE: 1" = 1'-0"



SECTION A 98,98

SCALE: 3" = 1'-0

ANODE WEIGHT LBS EACH

ALUMINUM ALLOY	CORE	TOTAL ANODE
725	120	845

ANODE SCHEDULE

LOCATION	NO REQD
FACE A - B	5
FACE B - C	5
FACE A - C	5
TOTAL NO	15

4	3	2	1

REVISIONS				
SYMBOL	DESCRIPTION	DRAWN BY	DATE	APPROVED

H

G

F

E

D

C

B

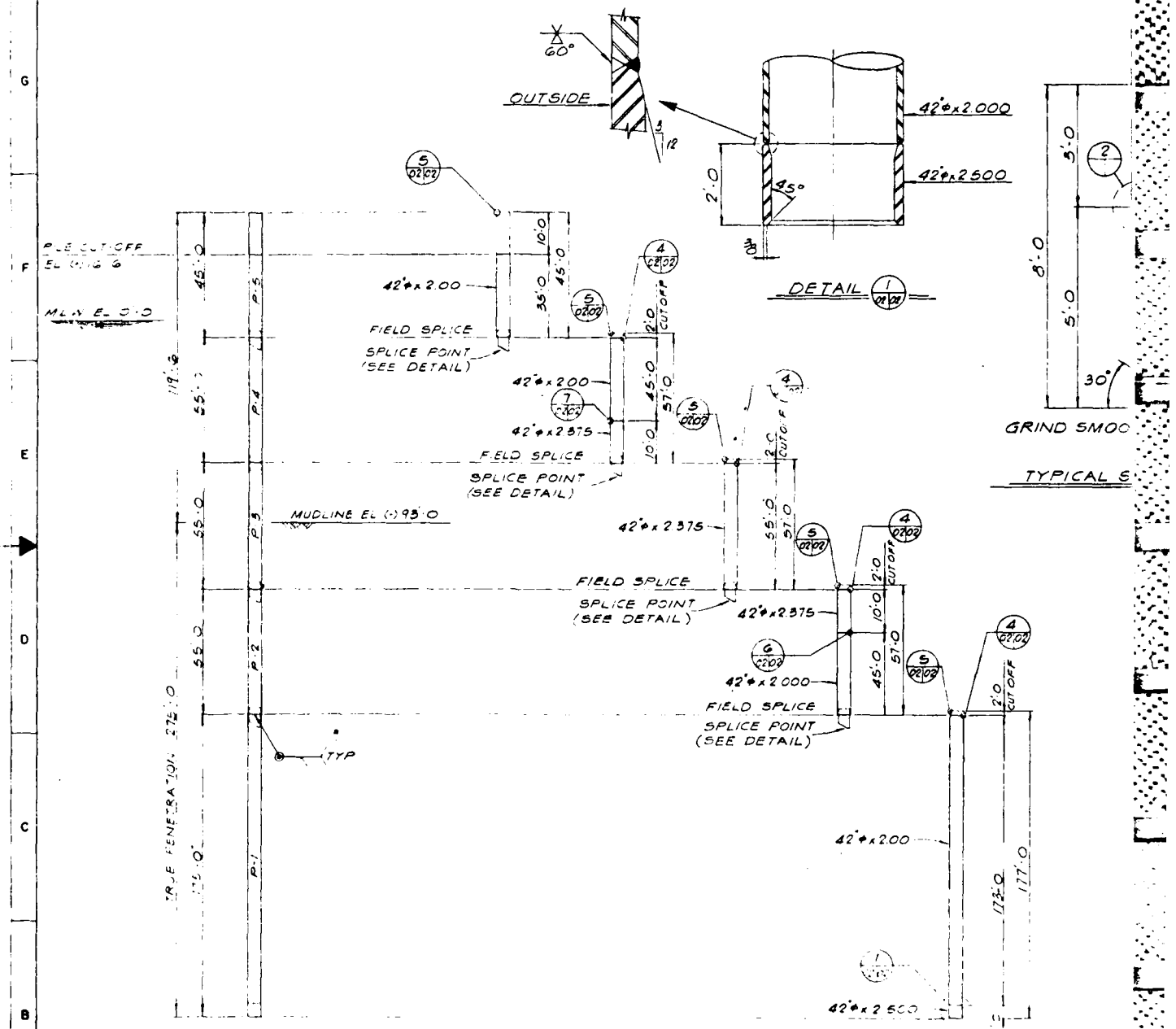
A

GRAPHIC SCALES

1"=1'-0"

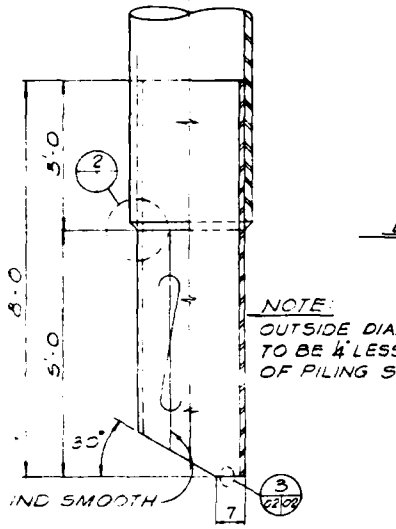
CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.			
DESIGN SUBMITTED BY DR CHK DATE TITLE	JACKET ANODE DETAILS			
OCEAN ENGR & CONST PROJ OFF PDO EIC PYD DIR ENGR & DES DIV	ACMR PLATFORM R EAST COAST U.S.A.			
APPROVED HEAD PDO-1 DATE APPROVED DATE EFD FOR COMMANDER NAVFAC	SIZE F	CODE IDENT NO 80091	NAVFAC DRAWING NO 3016298	
	SCALE		CONTR CONTR NO N62477-76-C-0180	
			SPEC NO 76-0180	SHEET 38 OF 85

NOTE
1. MARK TOP END OF EACH SECTION OF PILING AS FOLLOWS
(A) MAIN PILE (MP);
(B) LOWER SECTION, 1ST ADD ON 2ND AND ON ETC.
2. CONTRACTOR TO FURNISH PILE LIFT EYES.

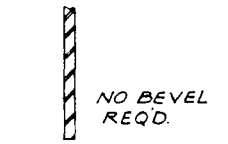


PILE DETAIL
3 REQ'D

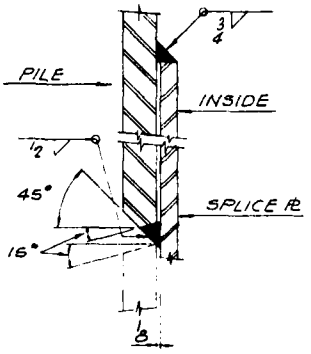
REVISION				
ZONE	LET	DESCRIPTION	DATE	APPROVED



TYPICAL SPLICE POINT DETAIL

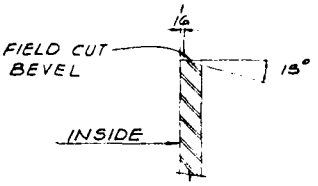


DETAIL 3

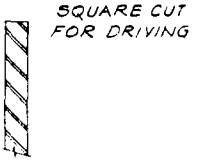


DETAIL 2

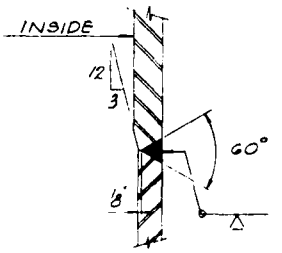
NOTE:
OUTSIDE DIAMETER OF STABBING POINT TO BE 4" LESS THAN INSIDE DIAMETER OF PILING SECTION.



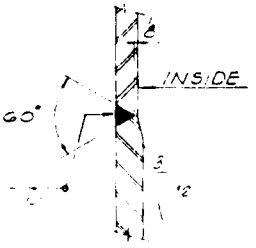
DETAIL 4



DETAIL 5



DETAIL 6

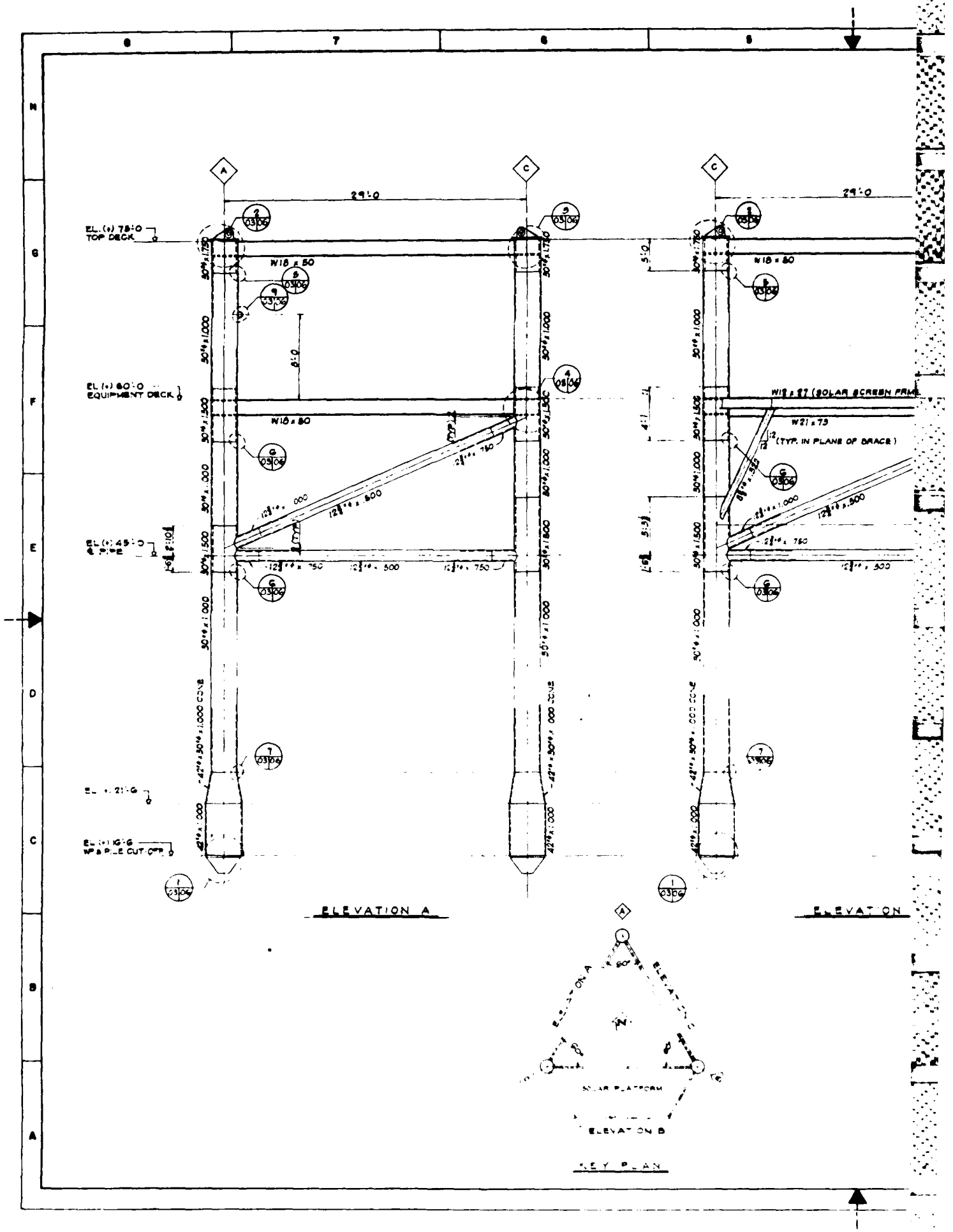


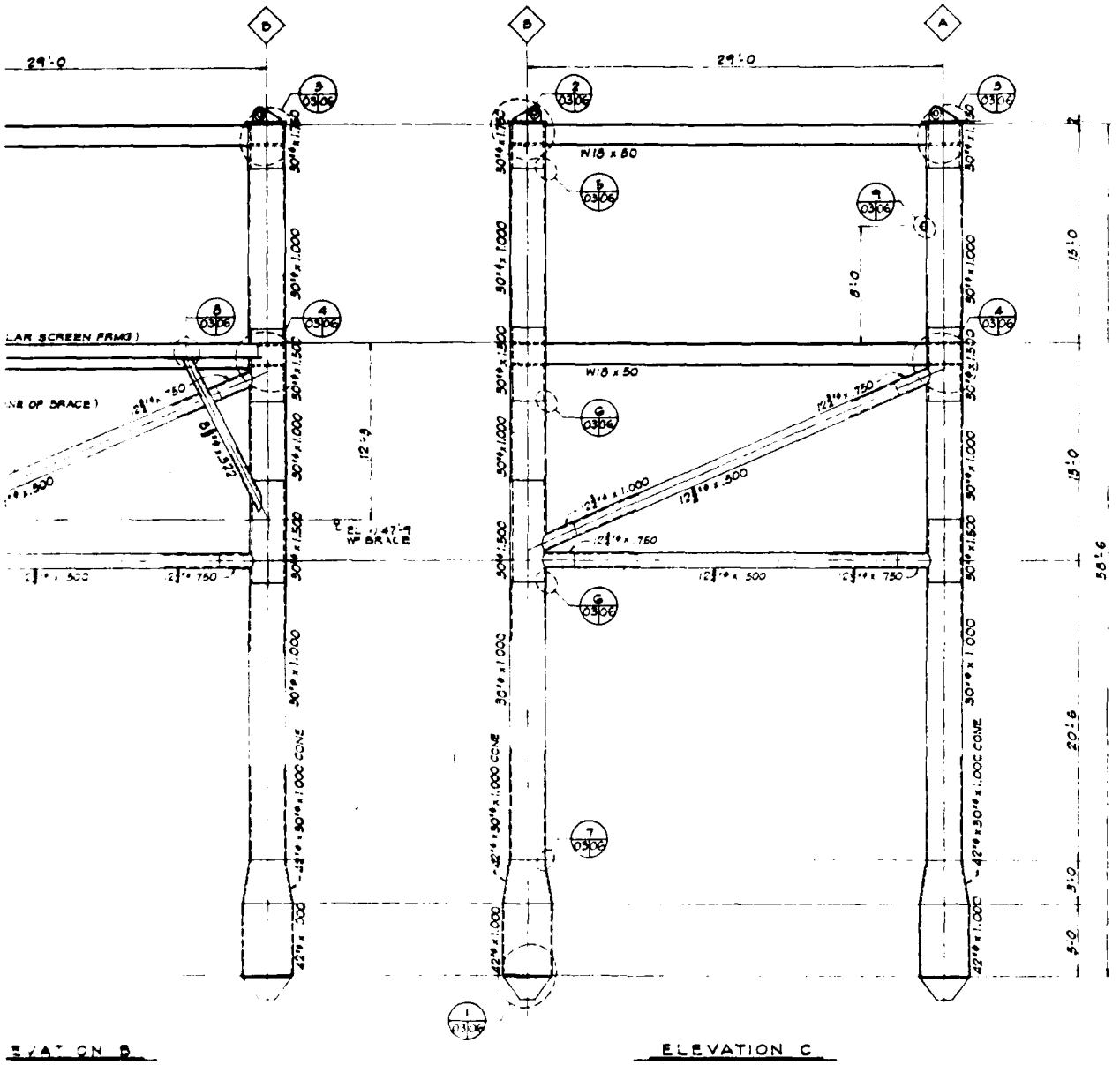
DETAIL 7

NOTE
ALL PILING MATERIAL NOT USED SHALL BE SALVAGED

CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS AND ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.	
DESIGNED BY ... DRAWN BY ... CHKD BY ...	JACKET PILE DETAILS	
OCEAN ENGR & CONST PROJ OFF (PAO) ... DATE C-E ENGR & DES DIV ... DATE APPROVED HEAD PAO ... DATE APPROVED ... DATE EFD FOR COMMANDER NAVFAC	ACNR PLATFORM 2 — EAST COAST U.S.A. SIZE F — CODE IDENT NO 80091 — NAVFAC DRAWING NO 3016302 SCALE NONE — CONTR CONTR NO (IF APPL) TO C.T.O. NO ... — SHEET NO ... OF ... SHTS	

A B C D E F G H


8
7
6
5
N
G
F
E
D
C
B
A
29'-0"
EL. (+) 78'-0" TOP DECK
EL. (+) 60'-0" EQUIPMENT DECK
EL. (+) 45'-0" TOP OF PILE
EL. (+) 21'-6"
EL. (+) 16'-6" TOP OF PILE CUT OFF
W18 x 50
W18 x 80
W18 x 97 (SOLAR SCREEN FRAME)
W21 x 73
(TYP. IN PLANE OF BRACE)
6'-0"
5'-0"
42" x 30'-0" x 1.000 CONC.
ELEVATION A
ELEVATION
ELEVATION A
ELEVATION B
SOLAR PLATFORM
KEY PLAN

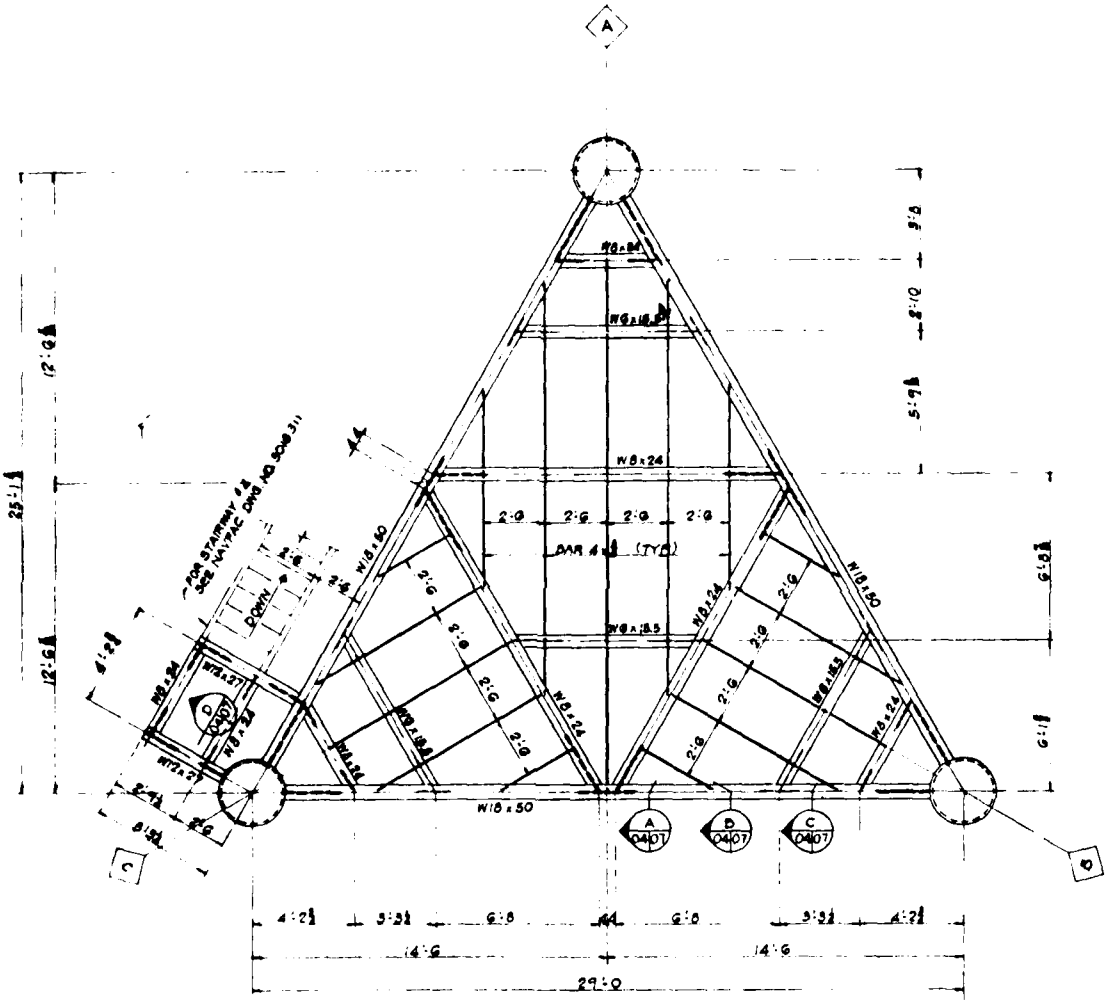


ELEVATION B

ELEVATION C

GRAPHIC SCALE

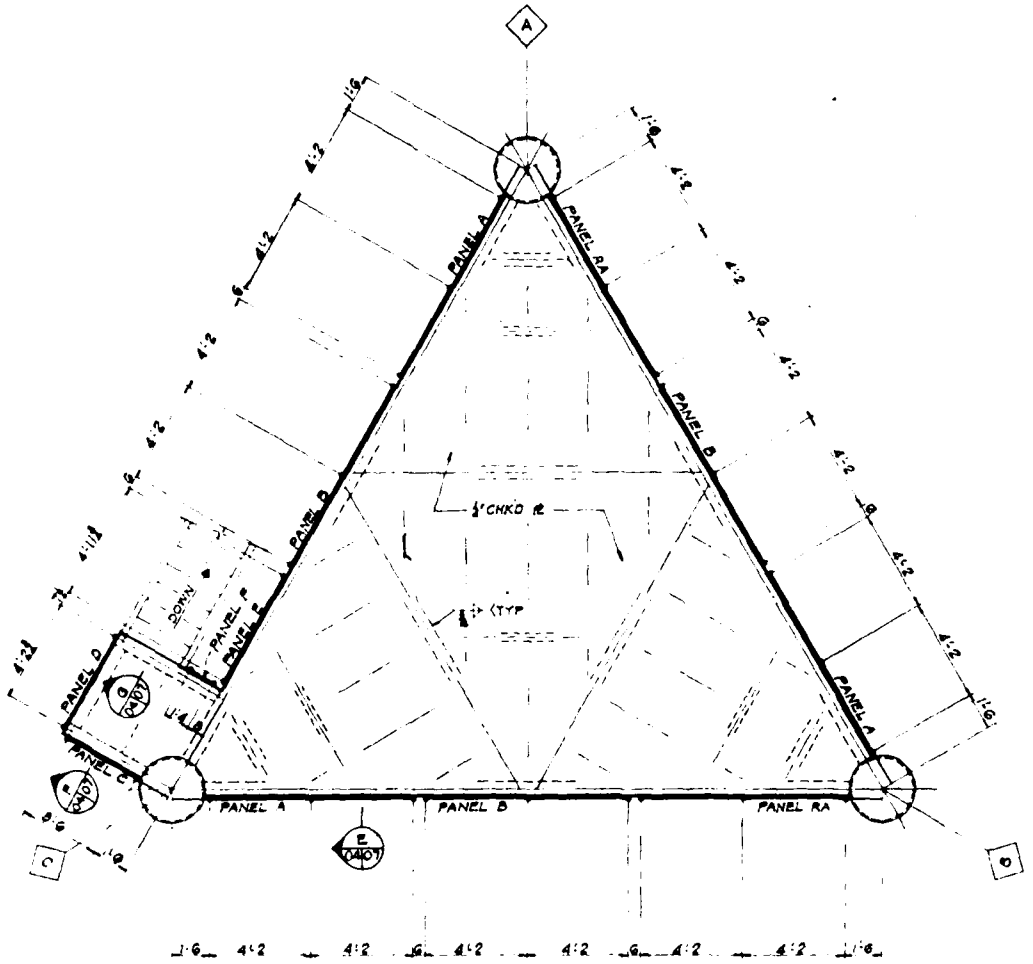
CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.
	SUPERSTRUCTURE ELEVATIONS
	ACSEF PLATFORM 2 EAST COAST, USA
APPROVED NFEC (FPO-1) DATE APPROVED DATE FPO FOR COMMANDER, NAVFAC	DATE F CODE IDENT NO. 80091 SCALE 1"=10'
	NAVFAC DRAWING NO. 3016303 SPEC 81-75-0-80 SHEET 13 OF 17



UPPER DECK FRMG. PLAN

TOP OF STEEL EL. (+) 78'-0

REVISIONS				
SYMBOL	DESCRIPTION	PREP'D BY	DATE	APPROVED



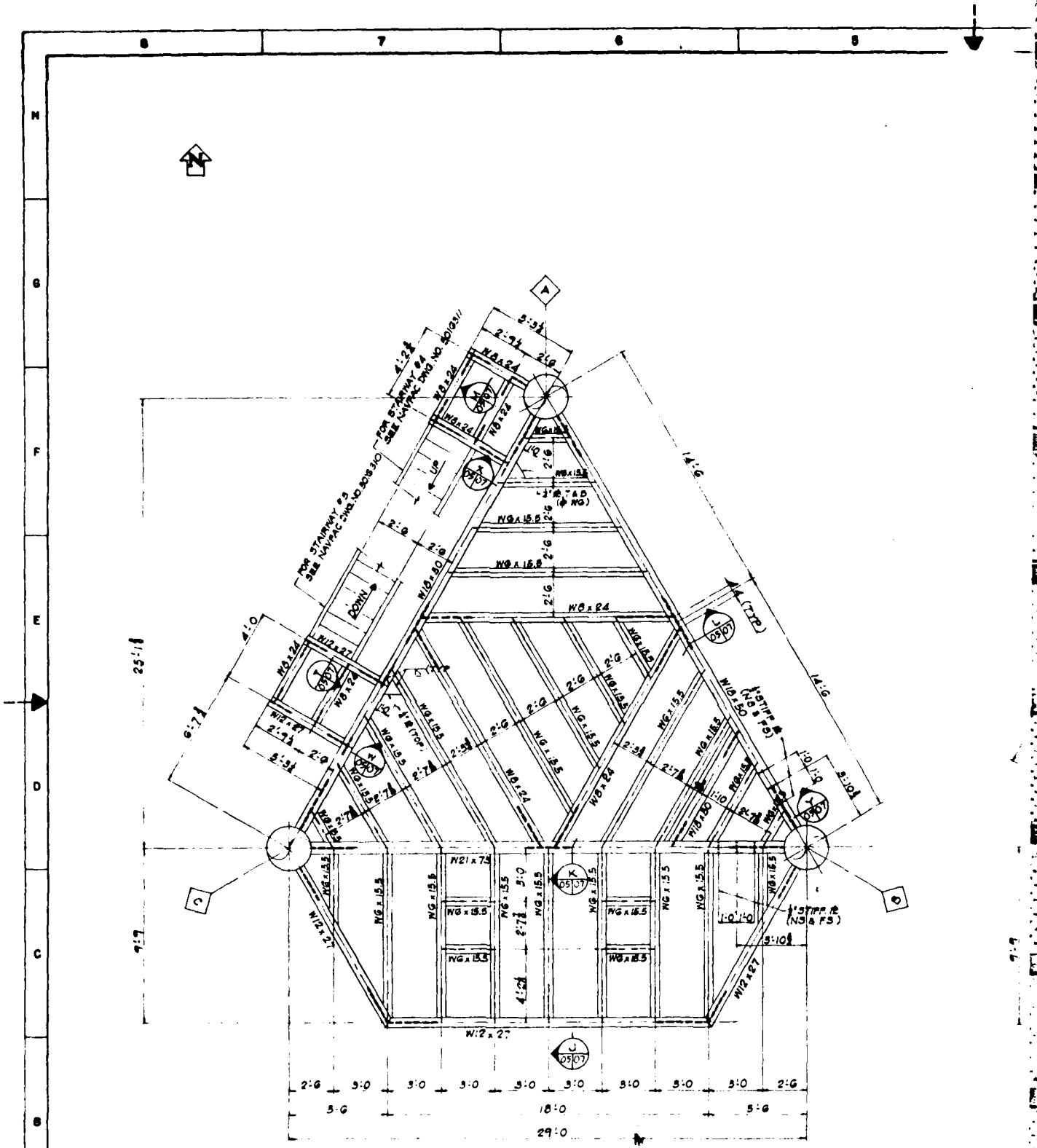
FOR HANDRAIL PANEL DETAILS SEE NAVFAC DWG. NO 3016307

UPPER DECK PLATE & H. R. LAYOUT

TOP OF STEEL EL. (+) 75:0

GRAPHIC SCALE

CREOT ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.		
DESIGNED BY DATE TITLE DRAWN BY DATE CHECKED BY DATE APPROVED HEAD FPO-1 DATE APPROVED DATE EFD FOR COMMANDER, NAVFAC	SUPERSTRUCTURE UPPER DECK FRMG. & DECK PLATE & H. R. LAYOUT ACSEF PLATFORM 2 EAST COAST, U.S.A.		
	SIZE: F	CODE IDENT NO: 80091	DRAWING NO: 3016304
	SCALE: 1"=1'-0"	SPEC. NO: 51-90-0160	SHEET 44 OF 51


8
7
6
5
M
G
F
E
D
C
B
A
FOR STAIRWAY #4 SEE NAVFAC DWG NO 808310
FOR STAIRWAY #3 SEE NAVFAC DWG NO 808310
DOWN
UP
W8x24
W12x27
W8x31
W8x28
W8x15
W8x18
W8x21
W8x35
W8x40
W8x48
W8x50
W8x58
W8x67
W10x30
W10x45
W10x50
W10x60
W10x68
W10x77
W12x72
W12x87
W12x96
W12x106
W12x120
W12x136
W12x152
W12x170
W12x190
W12x210
W12x230
W12x252
W12x279
W14x74
W14x82
W14x90
W14x99
W14x109
W14x120
W14x132
W14x145
W14x159
W14x176
W14x193
W14x211
W14x233
W14x257
W14x283
W14x311
W14x342
W14x370
W14x398
W14x426
W14x455
W14x500
W14x550
W14x605
W14x665
W14x730
W14x808
W14x873
W14x932
W14x1000
W14x1082
W14x1176
W14x1269
W14x1370
W14x1500
W14x1627
W14x1757
W14x1875
W14x2000
W14x2132
W14x2257
W14x2395
W14x2500
W14x2628
W14x2755
W14x2879
W14x3000
W14x3120
W14x3250
W14x3370
W14x3500
W14x3620
W14x3750
W14x3870
W14x4000
W14x4120
W14x4250
W14x4370
W14x4500
W14x4620
W14x4750
W14x4870
W14x5000
W14x5120
W14x5250
W14x5370
W14x5500
W14x5620
W14x5750
W14x5870
W14x6000
W14x6120
W14x6250
W14x6370
W14x6500
W14x6620
W14x6750
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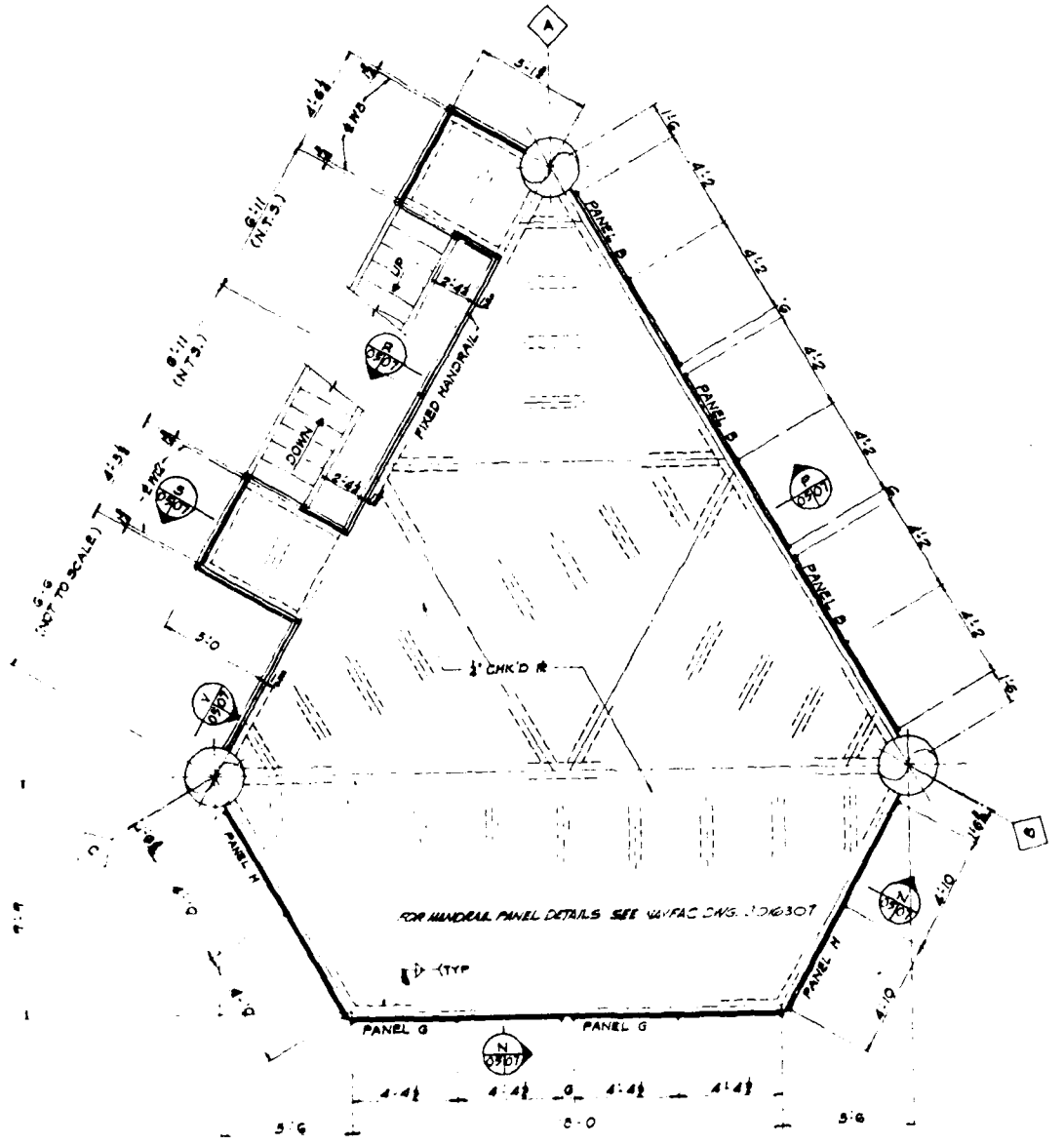
W14x7000
W14x7120
W14x7250
W14x7370
W14x7500
W14x7620
W14x7750
W14x7870



EQUIPMENT DECK PLATE & H.R. LAYOUT

TOP OF STEEL EL. (+) 8.0'-0

GRAPHIC SCALE

REVISION			
DOWNLET	DESCRIPTION	DATE	APPROVED

CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS - ENGINEERS

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

SUPERSTRUCTURE
EQUIPMENT DECK FRMG. B
DECK PLATE & H.R. LAYOUT

ACMR PLATFORM B — EAST COAST, U.S.A.

F	80091	3016305

SCALE 1/4"=1'-0" — SPEC 04-90-0100

SECTION 3.0

STRUCTURAL IDEALIZATION

3.1 INTRODUCTION

This section presents the mathematical structural model used for the analysis of the 93 feet MLW structure.

The structure is modeled as a space frame. Joint coordinates and member incidences are generated, as illustrated in Section 3.2, to obtain an efficient computer model. The model is then used in the SEALOAD program to generate the wave loads applied to the structure during the 50 year storm. Finally, the model is used in the STRAN program with the wave loadings produced by SEALOAD to analyze the structure for the 50 year storm.

To fully represent the jacket's structural behavior, dummy members are used to simulate the pile-jacket interaction. These members are modeled so that only shears perpendicular to the piling are transferred between the jacket and the piling.

The pile-soil interaction is considered in STRAN through the Coupled Interaction Analysis feature. This achieves convergence between the boundary conditions of the nonlinear pile foundation and the linear structure. The input data required for this feature is found in Section 3.5.

In STRAN the individual structural members of the mathematical model of the structure are not given distinct integers for identification. Each structural member is identified by the joint number at the beginning of the member and the joint number at the end of the

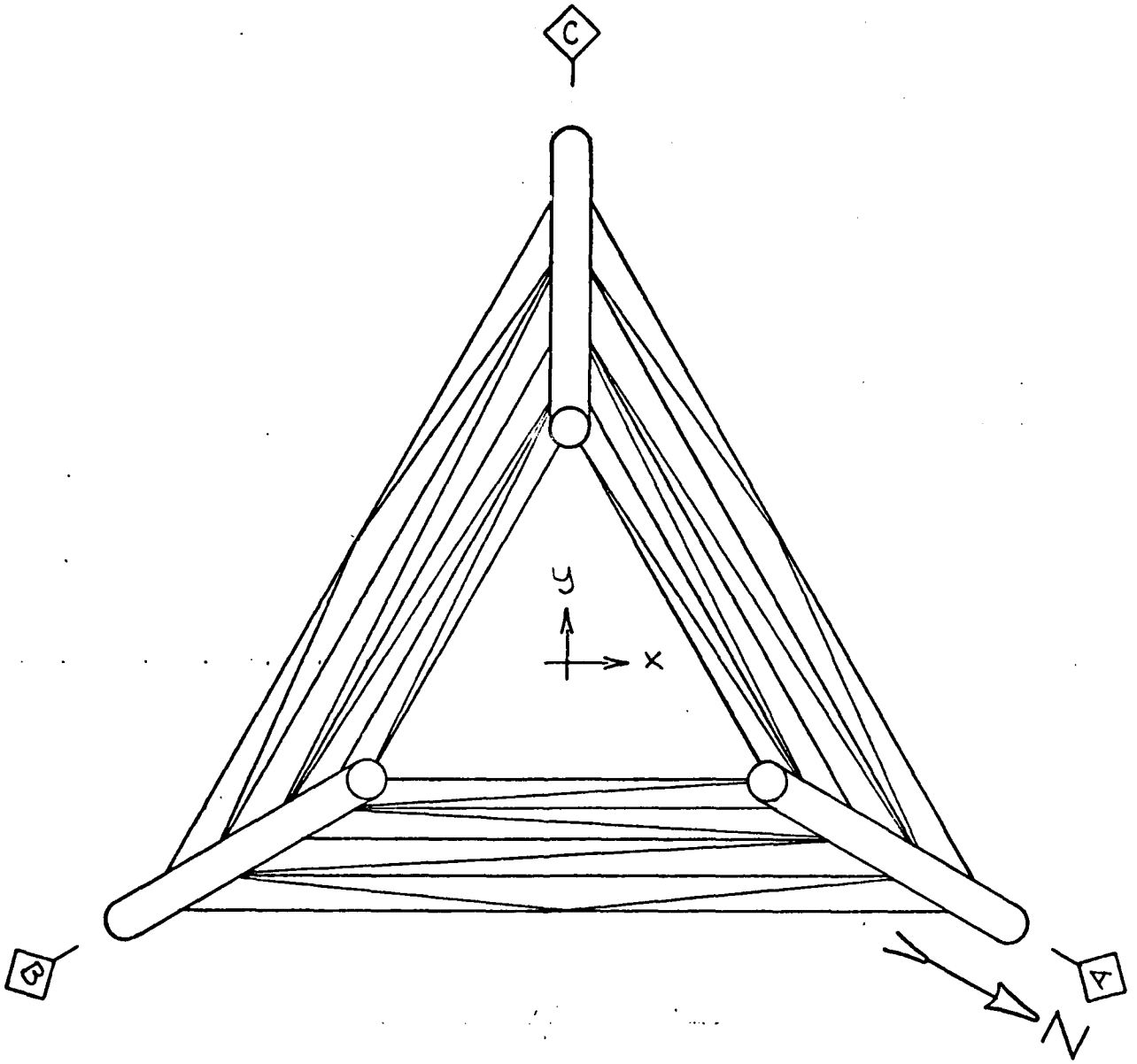
member. Therefore, Member 701-703 is that member of the model connecting Joint 701 to Joint 703. The member start is Joint 701 and the member end is Joint 703, and therefore, the local (member) x - axis is positive toward Joint 703.

Also in STRAN, member properties are designated through GROUPS. Each GROUP has a unique set of member properties, and each member of the model is assigned to a particular GROUP with the member incidence card. A list of the GROUP designations is found in Section 3.3. The member properties of each GROUP are listed in Section 3.7.

Reference Drawings:

3016290	Jacket - Elevations
3016291	Jacket - Plan at El. (+) 12'-0"
3016292	Jacket - Plan at El. (-) 13'-0" & (-) 39'-0"
3016293	Jacket - Plan at El. (-) 66'-0" & (-)93'-0"
3016303	Superstructure - Elevation
3016304	Superstructure - Upper Deck Framing
3016305	Superstructure - Equipment Deck Framing

3.2 SKETCHES - PLANS AND ELEVATIONS

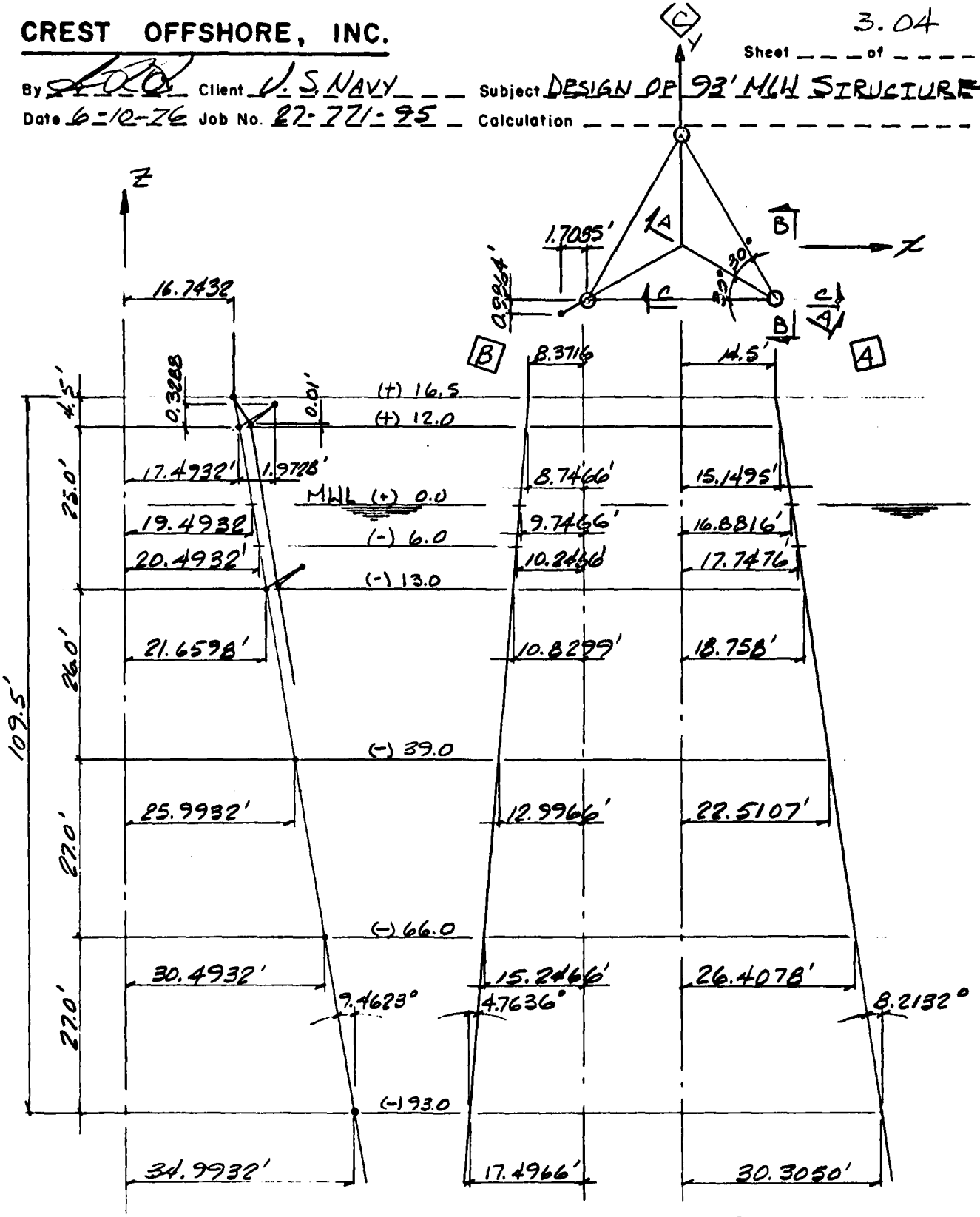


KEY PLAN

CREST OFFSHORE, INC.

By [illegible] Client U.S. NAVY Subject DESIGN OF 92' MLW STRUCTURE

Date 6-10-76 Job No. 27-771-95 Calculation



SECT A-A SECT B-B SECT C-C

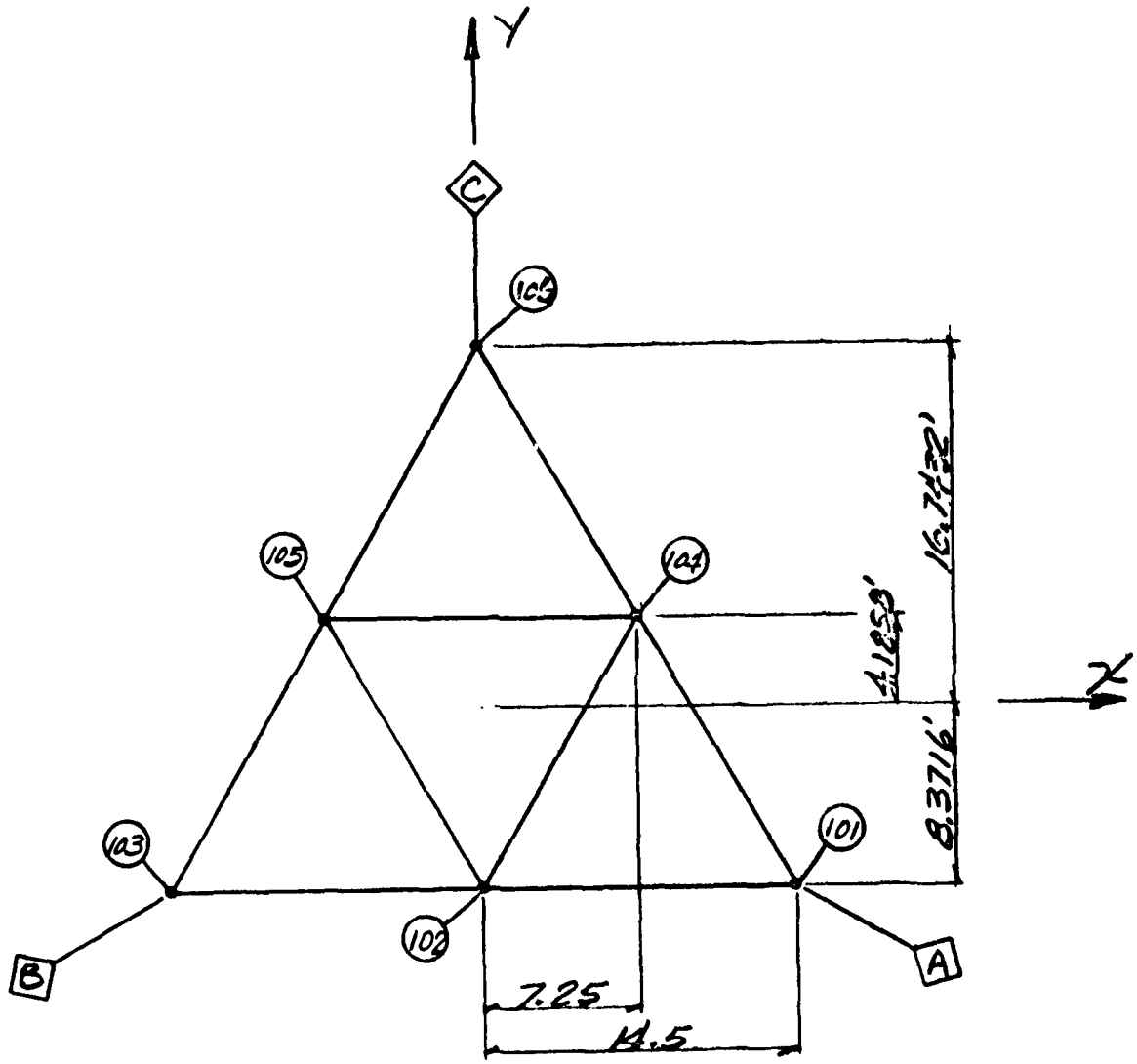
9.462322222°
4.763641169°
8.213210171°

CREST OFFSHORE, INC.

Sheet ____ of ____

By FOO Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-16 Job No 22-721-95 Calculation ____



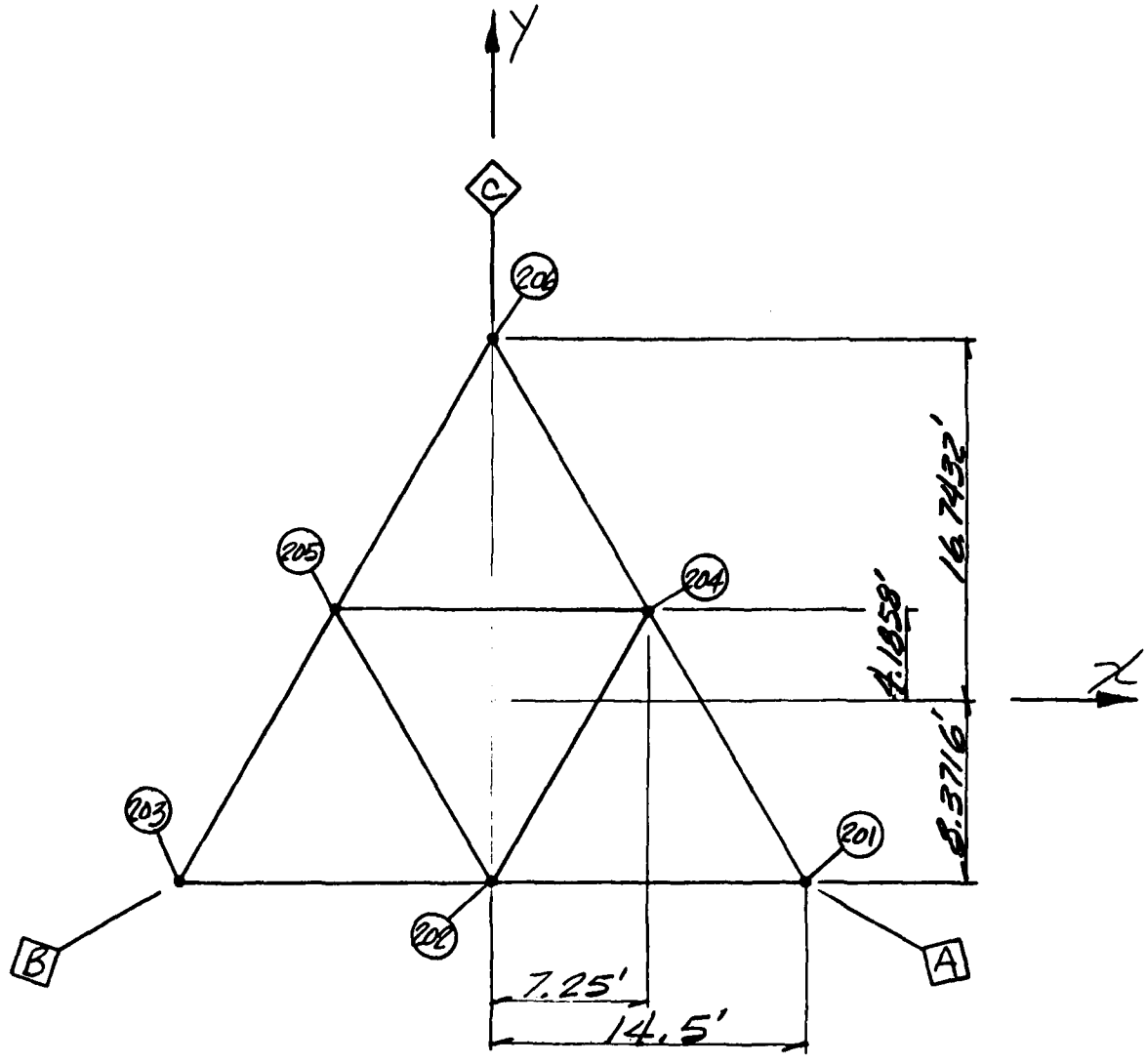
ELEV. (+) 75.0'

CREST OFFSHORE, INC.

Sheet ____ of ____

By RLK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-22-76 Job No. 22-721-25 Calculation ____



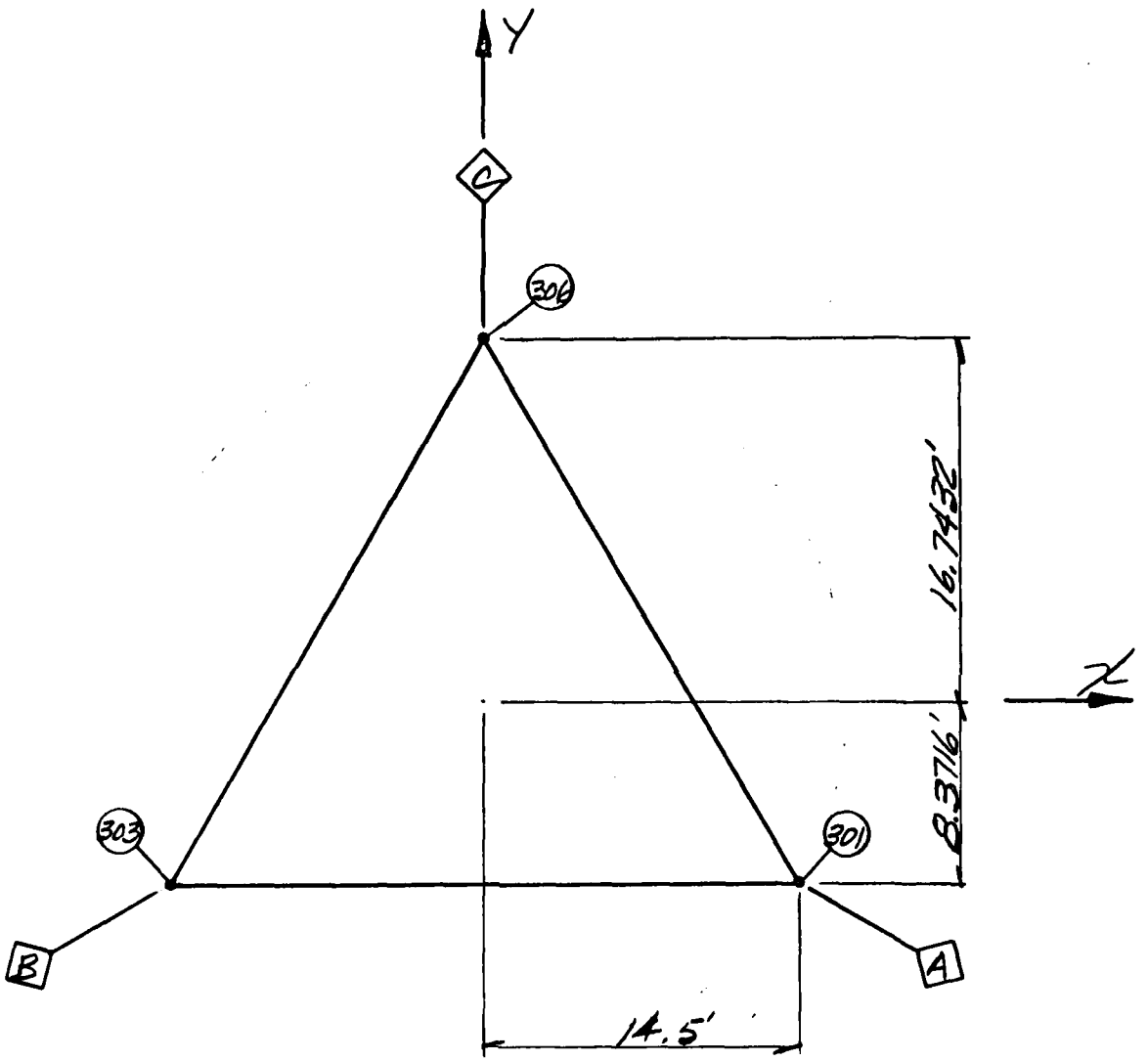
ELEV. (+) 60.0'

CREST OFFSHORE, INC.

Sheet ____ of ____

By [redacted] Client U.S. NAVY Subject DESIGN OF 93' MLH STRUCTURE

Date 6-29-26 Job No. 27-771-95 Calculation ____



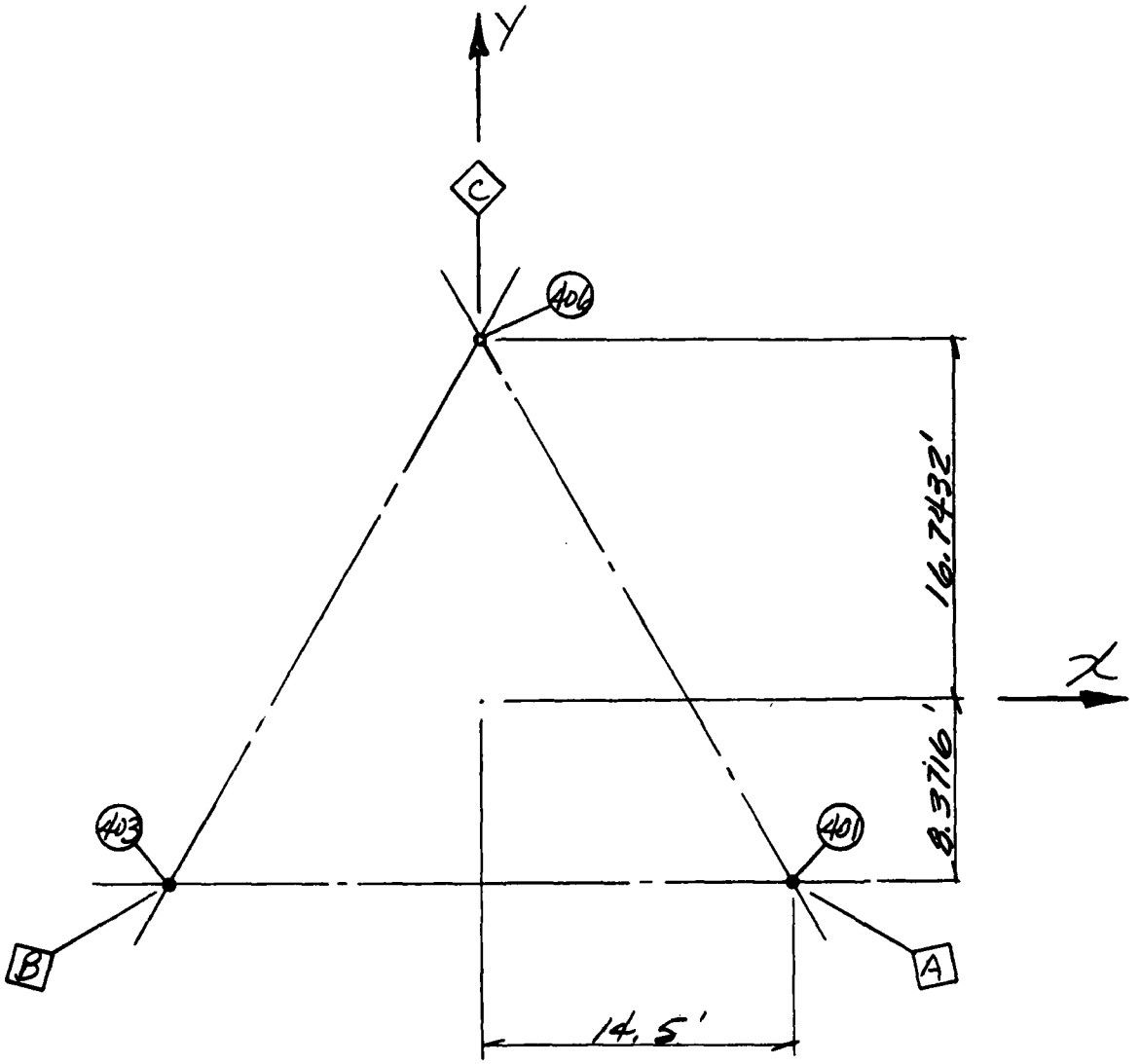
ELEV. (+) 45.0

CREST OFFSHORE, INC.

Sheet ___ of ____

By [redacted] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-22-76 Job No. 22-771-95 Calculation ____________



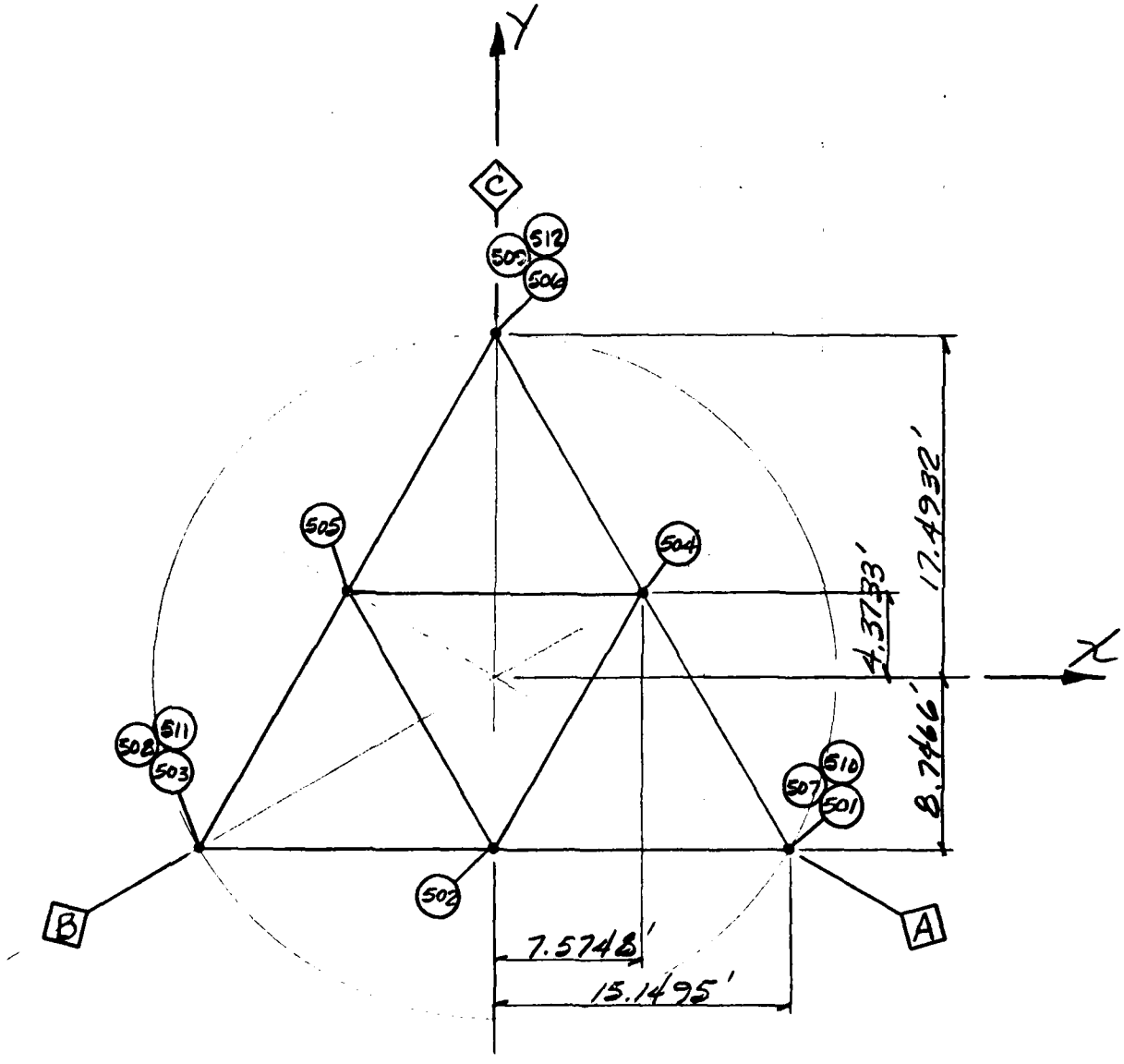
ELEV. (+) 16.5'

CREST OFFSHORE, INC.

Sheet ____ of ____

By ROC Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 27-271-95 Calculation ____



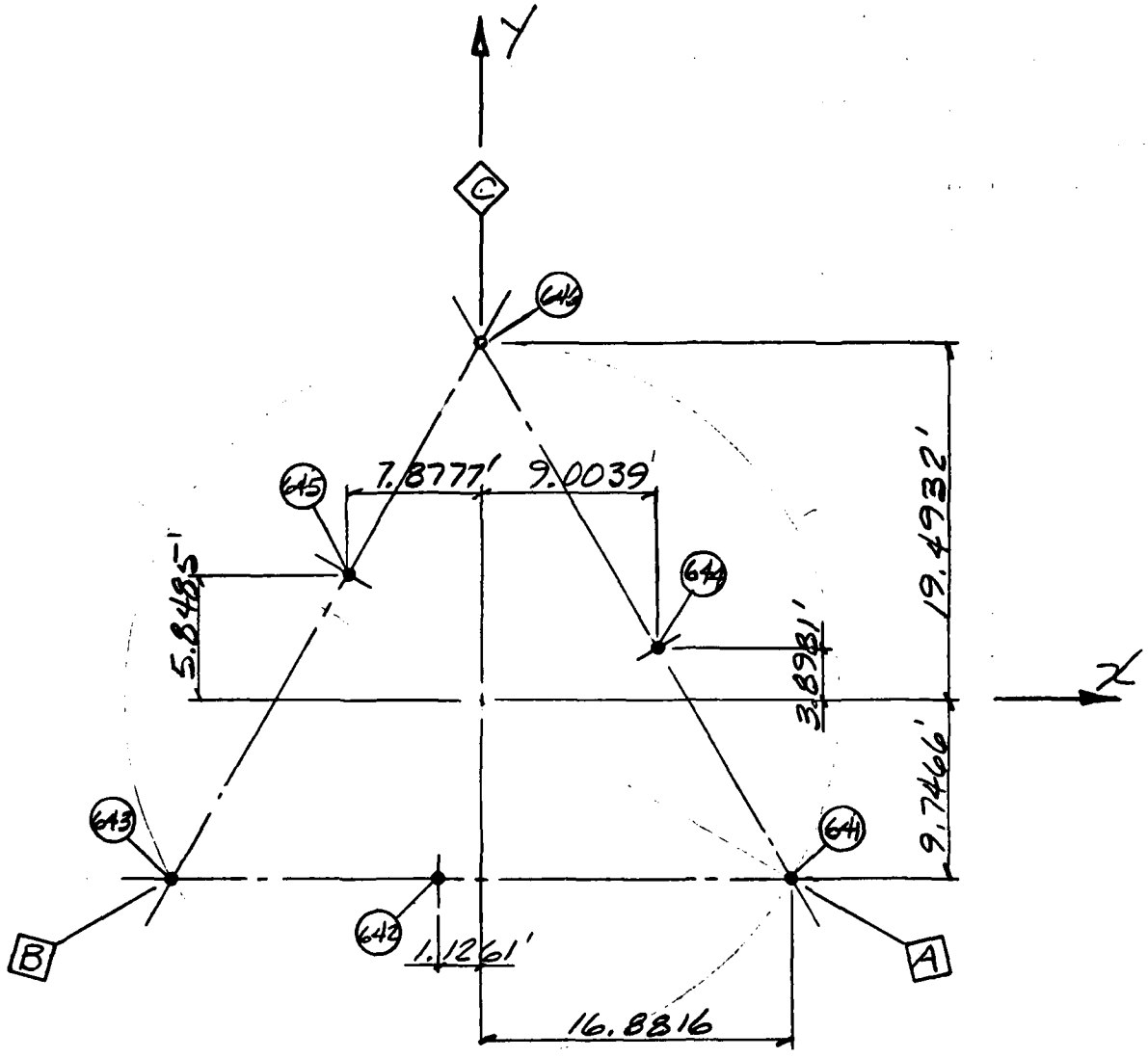
ELEV. (+) 12.0'

CREST OFFSHORE, INC.

Sheet ____ of ____

By ____ Client U. S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-96 Job No. 27-271-95 Calculation ____



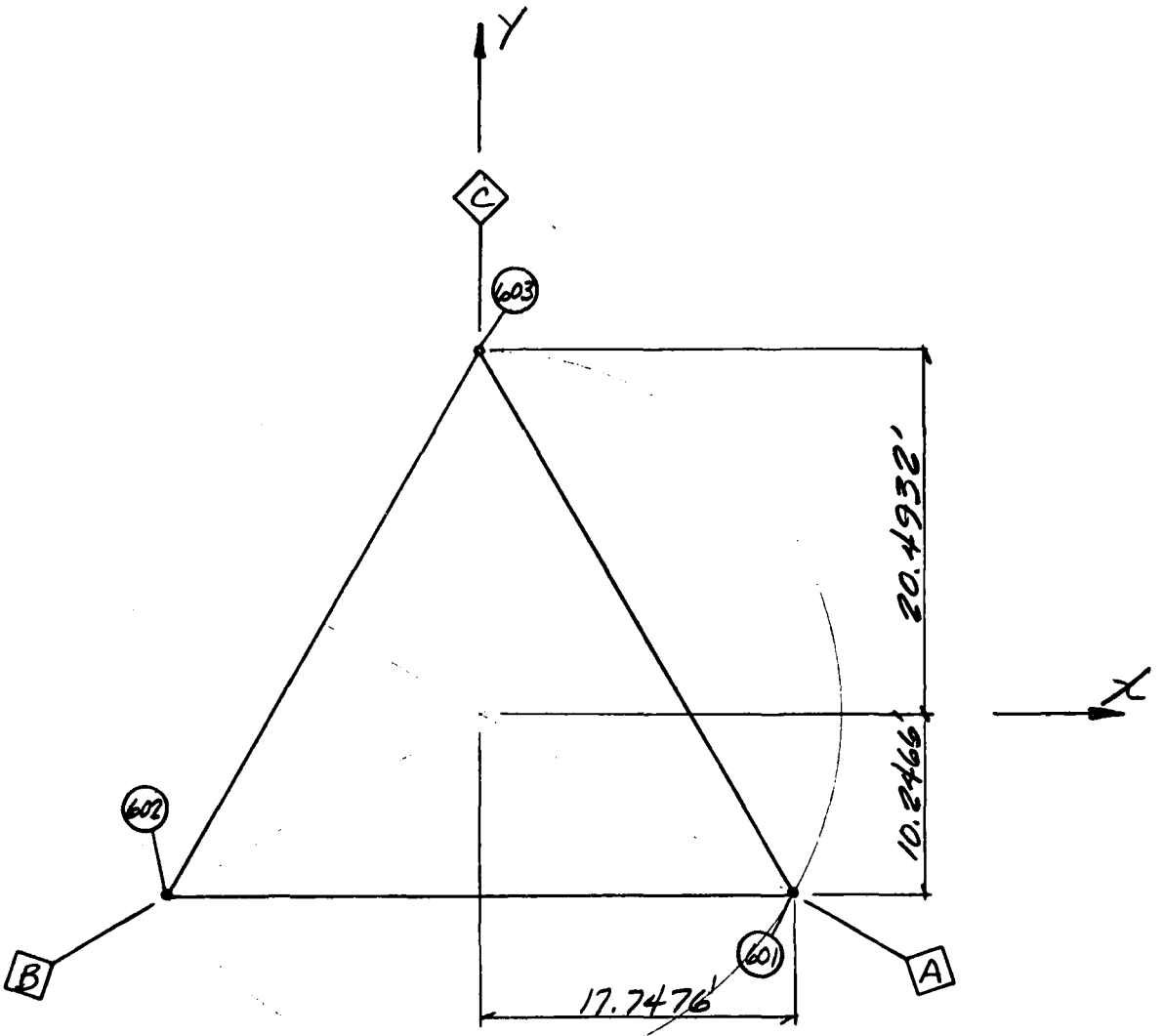
ELEV. (+) 0.0' 'MLW'

CREST OFFSHORE, INC.

Sheet ___ of ____

By [illegible] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 27-771-95 Calculation ____



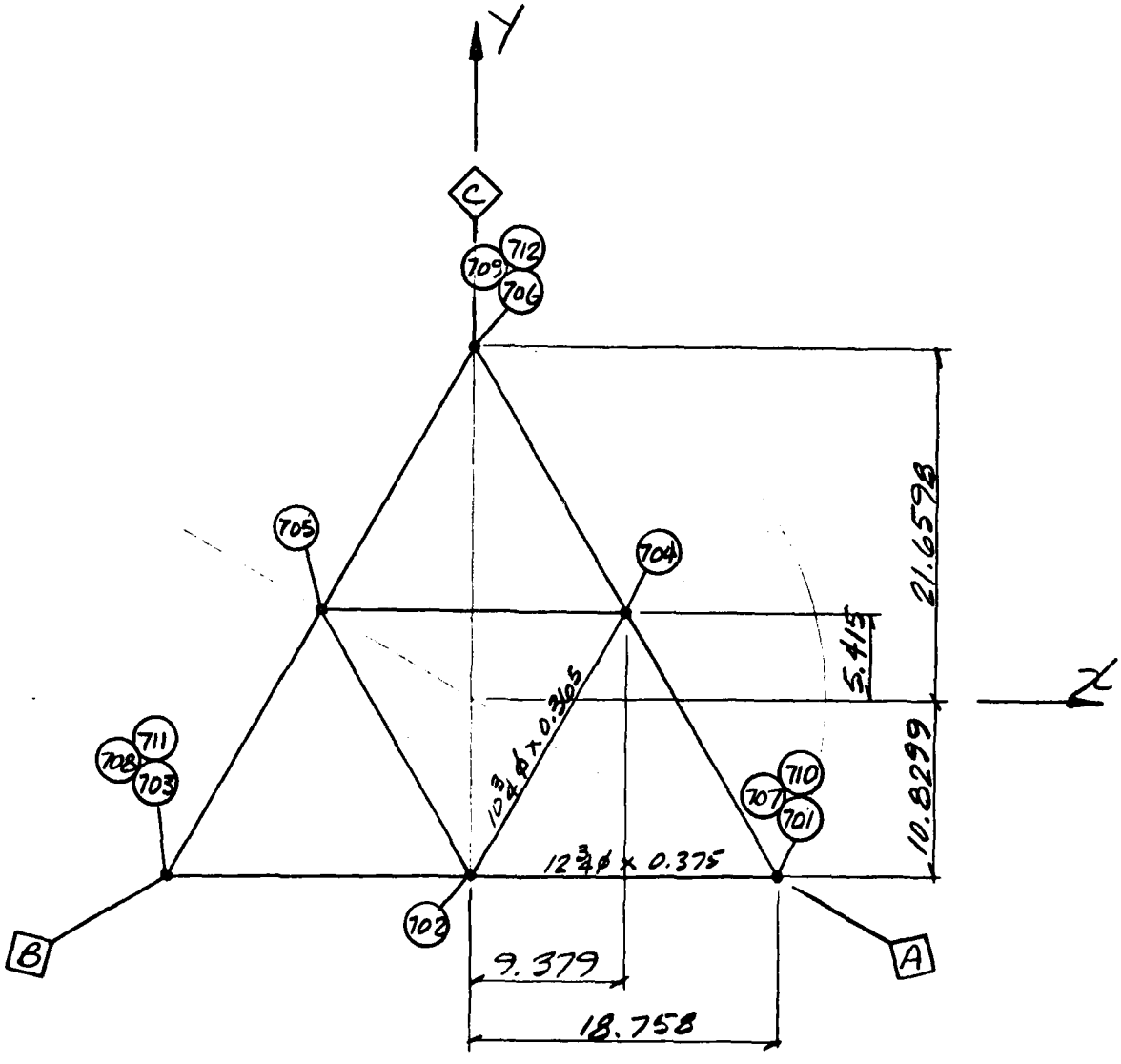
Elev. (-) 6.0'

CREST OFFSHORE, INC.

Sheet ____ of ____

By RCR Client U.S. NAVY Subject DESIGN OF 93' MLH STRUCTURE

Date 6-29-76 Job No. 22-771-95 Calculation ____



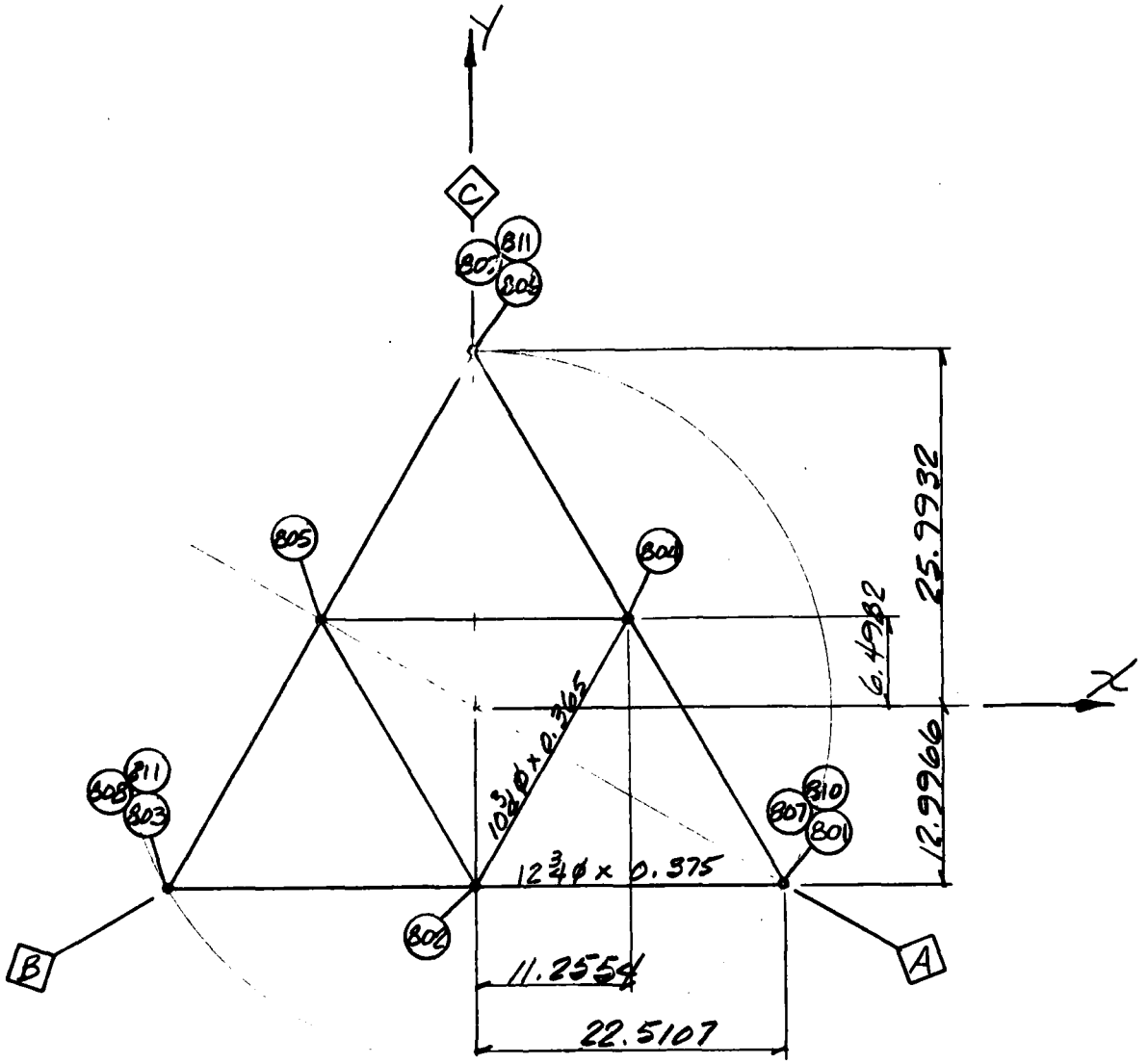
ELEV. (-) 13.0'

CREST OFFSHORE, INC.

Sheet ____ of ____

By [illegible] Client U.S. NAVY Subject DESIGN OF 93'MLL STRUCTURE

Date 6-29-76 Job No. 22-721-25 Calculation ____



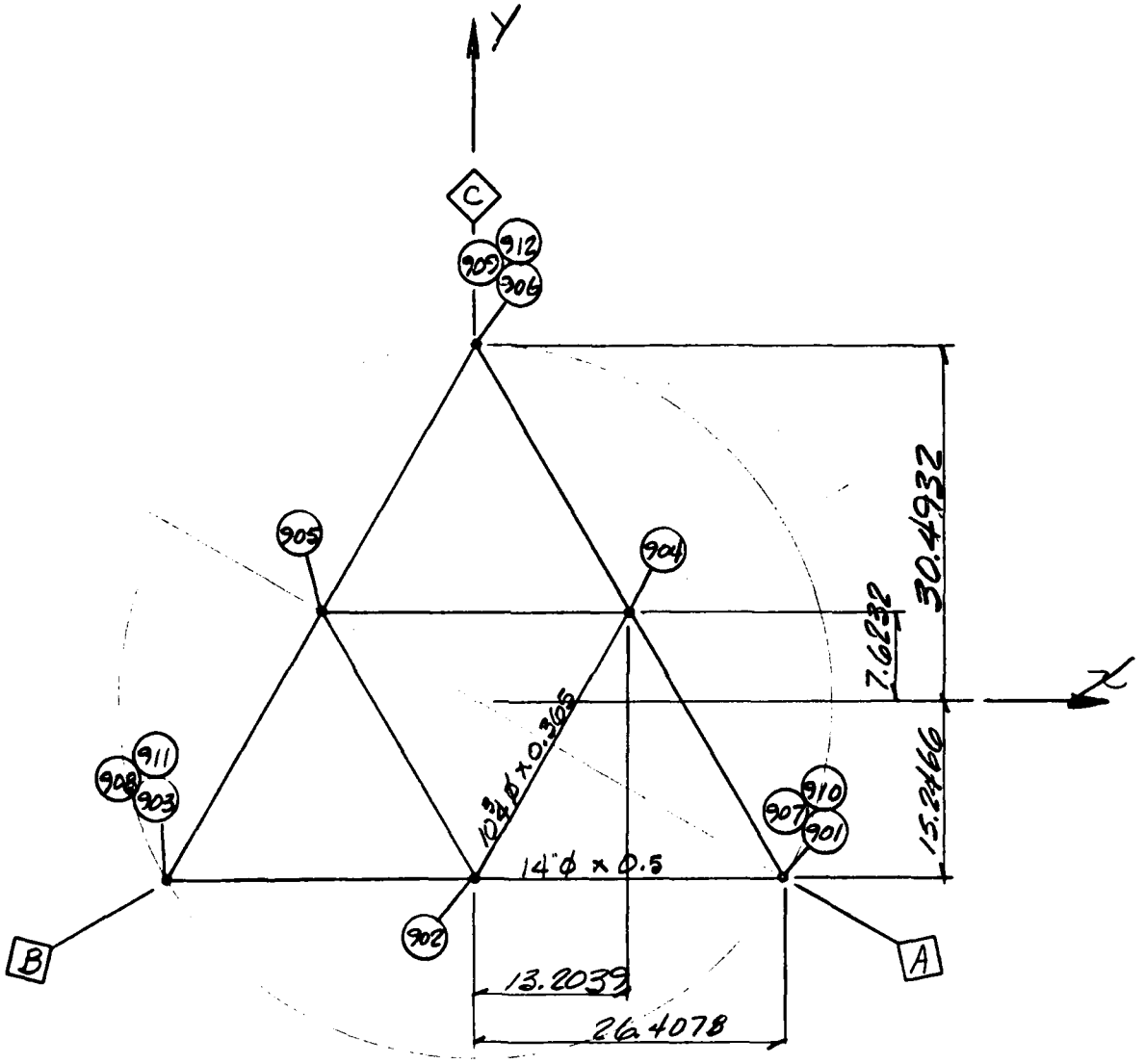
ELEV. (-) 39.0'

CREST OFFSHORE, INC.

Sheet ____ of ____

By HCK Client U.S. NAVY Subject DESIGN OF 93' MLS STRUCTURE

Date 6-29-76 Job No. 22-771-95 Calculation ____



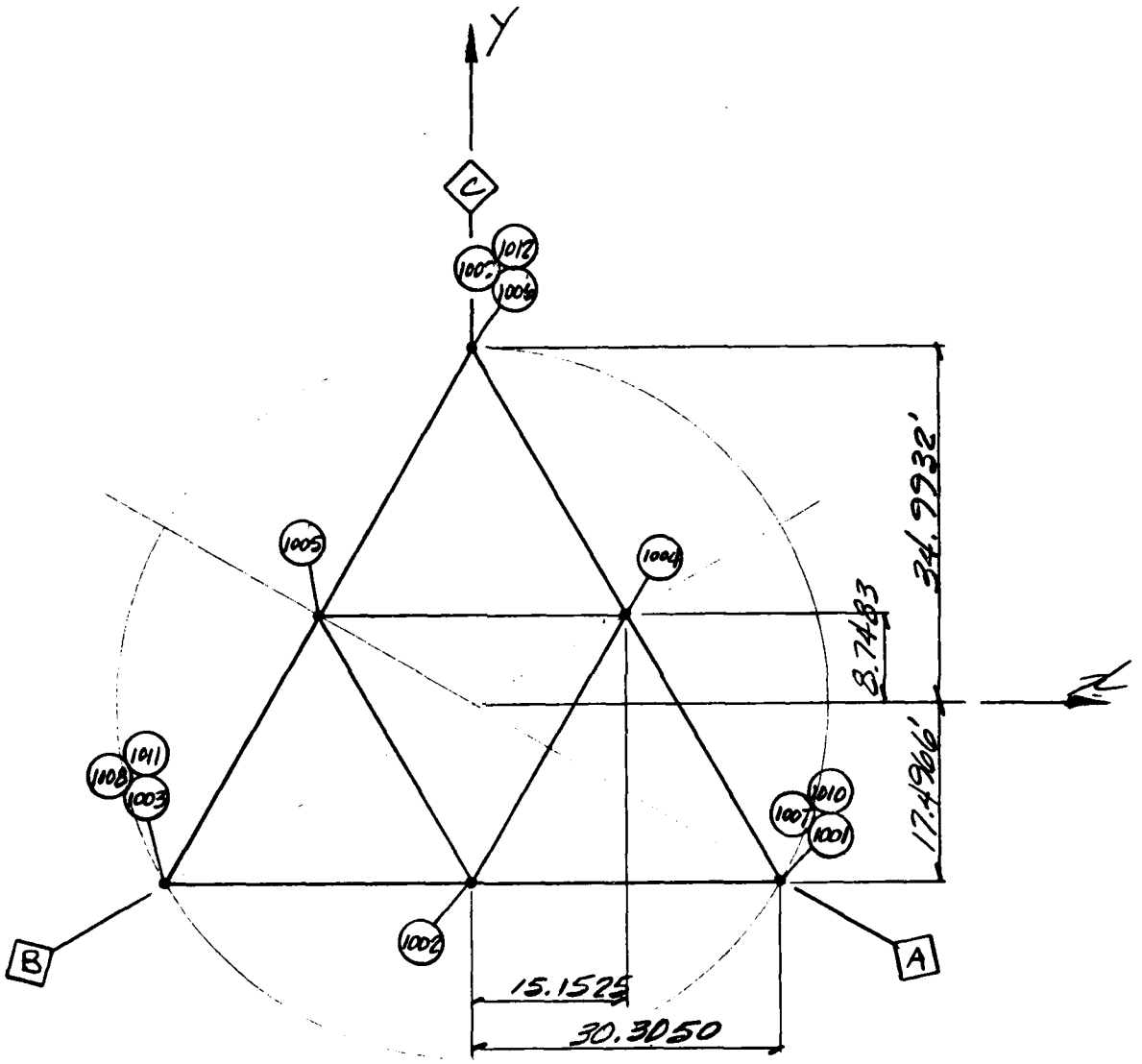
ELEV. (-) 66.0'

CREST OFFSHORE, INC.

Sheet ____ of ____

By [illegible] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 22-771-95 Calculation ____



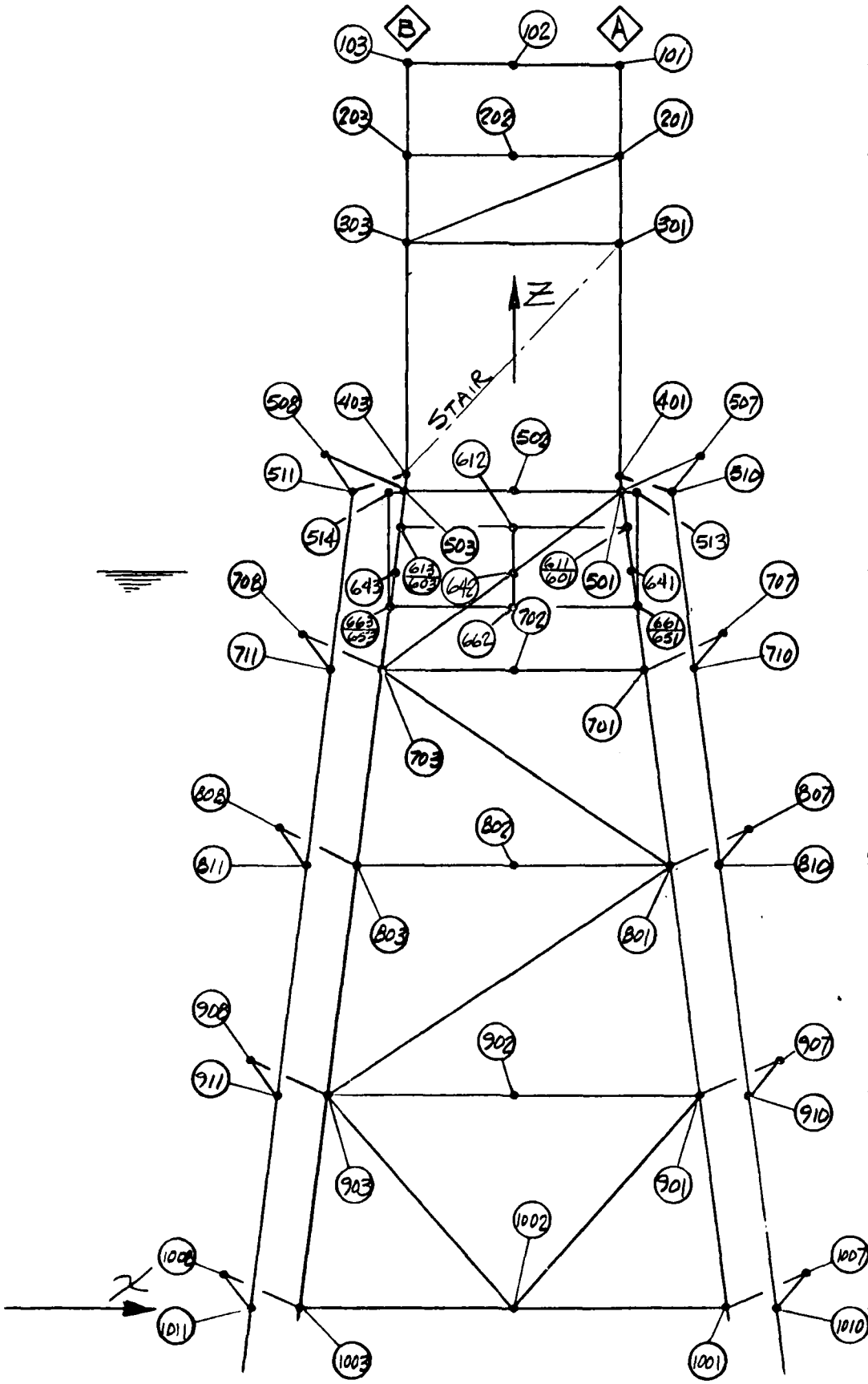
ELEV. (-) 93.0'

CREST OFFSHORE, INC.

Sheet ____ of ____

By [illegible] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 27-771-95 Calculation ____



ELEV. (+) 75.0'

ELEV. (+) 60.0'

ELEV. (+) 45.0'

ELEV. (+) 16.5'
ELEV. (+) 12.0'

MLW 0.0

ELEV. (-) 13.0'

ELEV. (-) 39.0'

ELEV. (-) 66.0'

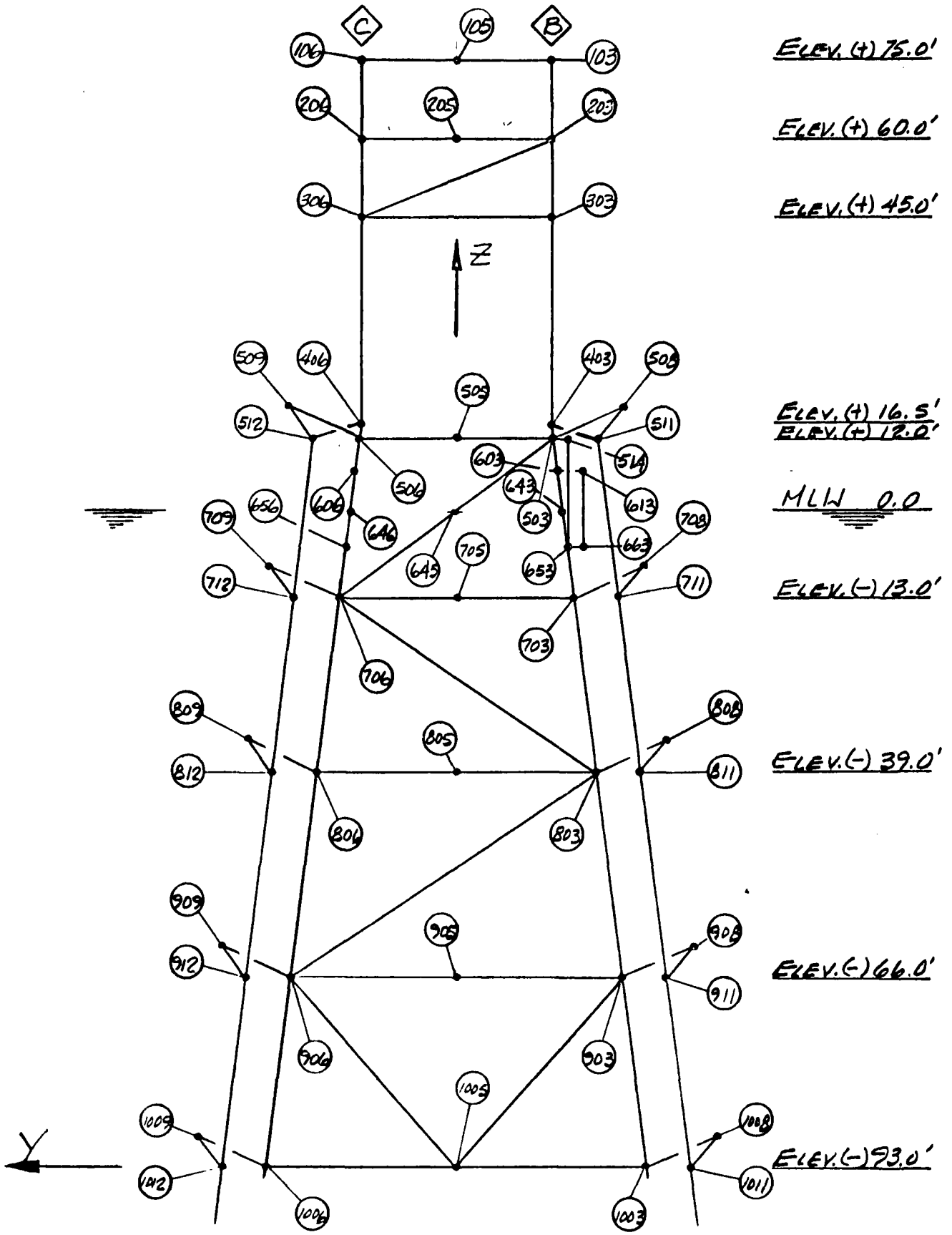
ELEV. (-) 93.0'

CREST OFFSHORE, INC.

Sheet ____ of ____

By [illegible] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-22-76 Job No. 22-72-92 Calculation ____

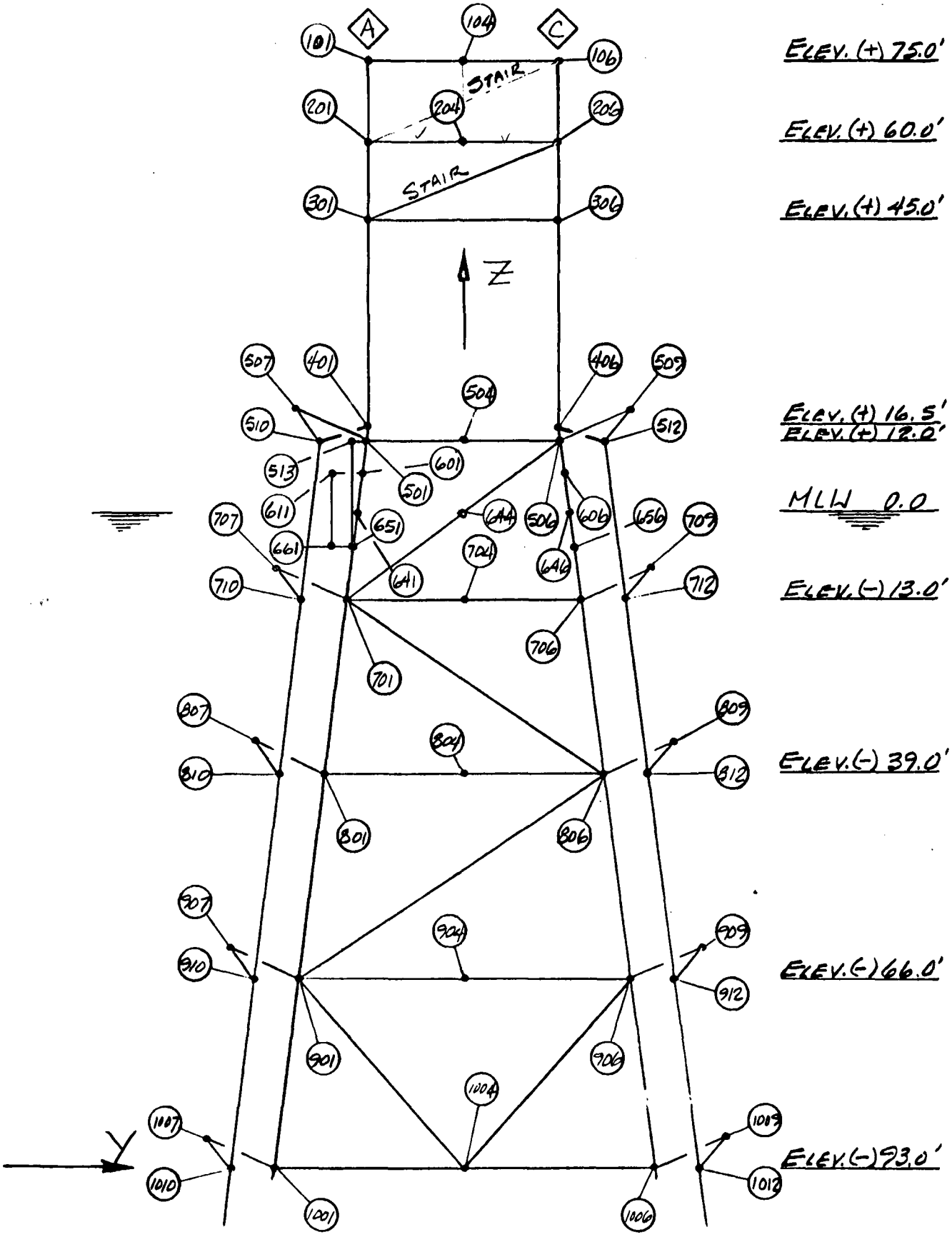


CREST OFFSHORE, INC.

Sheet ____ of ____

By [illegible] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-26 Job No. 27-771-95 Calculation ____



STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1  OPTIONS  6 7 8 9
    2  ADD
    3  ADD        6 1.33    7 1.33    8 1.33    9 1.33
    4  SECT
    5  SECT #ISHBM    PRI  5000 3000000 3000000 3000000   1000          500
    6  SECT #10X50    AFC  1620     125    89200    4020    750  570 1000  358  50
    7  SECT #6X24     AFC   706      34     8250    1020    650  398  793  245  50
    8  SECT #8X15     AFC   456      11     3010     467    600  269  600  235  50
    9  SECT #21X73    AFC  2150     302   100000    7060    850 0740  212M 0455 064
   10  GROUP
   11  GROUP LEG          462   500  29   116  36          100 100        5000
   12  GROUP 110         1075   844  29   116  36          100 100        5000
   13  GROUP 120         1275   500  29   116  36           80 100        5000
   14  GROUP 120         1275   750                        80 100        5000
   15  GROUP 123         1275   500  29   116  36           80  80        5000
   16  GROUP 125         1275   500  29   116  36           80  80        5000
   17  GROUP 127         1075   365                        80  80        5000
   18  GROUP 137         1275   375                       100  80        5000
   19  GROUP 140         1075   365                        80  80        5000
   20  GROUP 149         1075   365                        80  80        5000
   21  GROUP 140         1400   375  29   116  36           80  80        5000
   22  GROUP 150         1400   425                        80  80        5000
   23  GROUP 155         1000   625                        80 100        5000
   24  GROUP 160         1275   375                       100  80        5000
   25  GROUP 159         1400   500                       100  80        5000
   26  GROUP 200         2000   625  29   116  36           80  80        5000
   27  GROUP 200         2000   625  29   116  36          100  80        5000
   28  GROUP DAL         3000  1000  29   116  36          100 100        5000
   29  GROUP  P1         4200  1750  29   116  36          100 100        5000
   30  GROUP  P2         4200  2000  29   116  36          100 100        5000
   31  GROUP  P3         4200  2375                       100 100        5000
   32  GROUP JL6         4650  1000                        80 100        5000
   33  GROUP JL5         4550  1000                        80 100        5000
   34  GROUP JL8         4650  1000                        80 100        5000
   35  GROUP JL7         4550   500                        80 100        5000
   36  GROUP JL0         4550   500                        80 100        5000
   37  GROUP JL9         4550   500                        80 100        5000
   38  GROUP BUM         1800   500  29   116  36          100 100        5000
   39  GROUP ###  #ISHBM                29   116  36
   40  GROUP #10  #10X50                29   116  36          200  50  01
   41  GROUP #06  ##X24                 29   116  36          100 100  01
   42  GROUP #21  #21X73                29   116  36          200  50  01
   43  MEMBER
   44  MEMBER  101 102 #18                                                1800
   45  MEMBER  102 103 #18                                                1800
   46  MEMBER  103 105 #18                                                1800
   47  MEMBER  105 106 #18                                                1800
   48  MEMBER  101 104 #18                                                1800
   49  MEMBER  104 106 #18                                                1800
```

STRAN INPUT DATA

U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
LINE NO.  1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
      50  MEMBER  102 104 A08                                                                          0800
      51  MEMBER  102 105 A08                                                                          0800
      52  MEMBER  104 105 A08                                                                          0800
      53  MEMBER  104 201 120SR      111     111                                                       2400
      54  MEMBER  201 202 A18                                                                          1800
      55  MEMBER  202 203 A18                                                                          1800
      56  MEMBER  203 205 A21                                                                          2100
      57  MEMBER  205 206 A21                                                                          2100
      58  MEMBER  201 204 A18                                                                          1800
      59  MEMBER  204 206 A18                                                                          1800
      60  MEMBER  202 204 A06                                                                          0600
      61  MEMBER  202 205 A08                                                                          0800
      62  MEMBER  204 205 A08                                                                          0800
      63  MEMBER  201 303 120                                                                          4300
      64  MEMBER  203 304 120                                                                          4300
      65  MEMBER  205 301 120                                                                          4300
      66  MEMBER  301 403 120SR      111     111                                                       2400
      67  MEMBER  301 303 105                                                                          2100
      68  MEMBER  303 306 123                                                                          2100
      69  MEMBER  301 306 123                                                                          2100
      70  MEMBER  301 302 105                                                                          1600
      71  MEMBER  302 303 105                                                                          1600
      72  MEMBER  303 305 105                                                                          1600
      73  MEMBER  305 306 105                                                                          1600
      74  MEMBER  301 304 105                                                                          1600
      75  MEMBER  304 306 105                                                                          1600
      76  MEMBER  302 304 125                                                                          1275
      77  MEMBER  302 305 125                                                                          1275
      78  MEMBER  304 305 125                                                                          1275
      79  MEMBER  301 307 A08SR                                                                        0000
      80  MEMBER  307 310 A08SR          1111                                                          0000
      81  MEMBER  303 308 A08SR                                                                        0000
      82  MEMBER  308 311 A08SR          1111                                                          0000
      83  MEMBER  305 309 A08SR                                                                        0000
      84  MEMBER  309 312 A08SR          1111                                                          0000
      85  MEMBER  301 313 125SR                                                                        1200
      86  MEMBER  303 314 125SR                                                                        1200
      87  MEMBER  313 651 A08SR                                                                        4000
      88  MEMBER  314 653 A08SR                                                                        4000
      89  MEMBER  601 611 106SR                                                                        1400
      90  MEMBER  603 613 106SR                                                                        1400
      91  MEMBER  651 661 106SR
      92  MEMBER  653 663 106SR
      93  MEMBER  611 612 086SR                                                                        1200
      94  MEMBER  612 613 086SR                                                                        1200
      95  MEMBER  661 662 086SR                                                                        2680
      96  MEMBER  662 663 086SR                                                                        2680
      97  MEMBER  611 661 106SR                                                                        3000
      98  MEMBER  612 662 106SR                                                                        2000
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STRAN INPUT DATA

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YR STORM

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
      99 MEMBER  613 663 10BSK                                                          3000
     100 MEMBER  501 642 20D                                                            2000
     101 MEMBER  503 645 20D                                                            2000
     102 MEMBER  506 648 20D                                                            2000
     103 MEMBER  642 703 20D                                                            3032
     104 MEMBER  645 706 20D                                                            3032
     105 MEMBER  648 701 20D                                                            3032
     106 MEMBER  701 702 137                                                            2033
     107 MEMBER  702 703 137                                                            2033
     108 MEMBER  703 705 137                                                            2033
     109 MEMBER  705 706 137                                                            2033
     110 MEMBER  701 704 137                                                            2033
     111 MEMBER  704 706 137                                                            2033
     112 MEMBER  702 704 127                                                            1757
     113 MEMBER  702 705 127                                                            1757
     114 MEMBER  704 705 127                                                            1757
     115 MEMBER  701 707 WBNSK                                                          0000
     116 MEMBER  707 710 WBNSK  1111                                                    0000
     117 MEMBER  703 708 WBNSK                                                          0000
     118 MEMBER  708 711 WBNSK  1111                                                    0000
     119 MEMBER  706 709 WBNSK                                                          0000
     120 MEMBER  709 712 WBNSK  1111                                                    0000
     121 MEMBER  701 806 20D                                                            3032
     122 MEMBER  703 801 20D                                                            3032
     123 MEMBER  706 803 20D                                                            3032
     124 MEMBER  801 802 168                                                            2033
     125 MEMBER  802 803 168                                                            2033
     126 MEMBER  803 805 168                                                            2033
     127 MEMBER  805 806 168                                                            2033
     128 MEMBER  801 804 168                                                            2033
     129 MEMBER  804 805 168                                                            2033
     130 MEMBER  802 804 148                                                            1757
     131 MEMBER  802 805 148                                                            1757
     132 MEMBER  804 805 148                                                            1757
     133 MEMBER  801 807 WBNSK                                                          0000
     134 MEMBER  807 810 WBNSK  1111                                                    0000
     135 MEMBER  803 808 WBNSK                                                          0000
     136 MEMBER  808 811 WBNSK  1111                                                    0000
     137 MEMBER  806 809 WBNSK                                                          0000
     138 MEMBER  809 812 WBNSK  1111                                                    0000
     139 MEMBER  801 903 20D                                                            3032
     140 MEMBER  803 906 20D                                                            3032
     141 MEMBER  806 901 20D                                                            3032
     142 MEMBER  901 902 189                                                            2205
     143 MEMBER  902 903 189                                                            2205
     144 MEMBER  903 905 189                                                            2205
     145 MEMBER  905 906 189                                                            2205
     146 MEMBER  901 904 189                                                            2205
     147 MEMBER  904 906 189                                                            2205
```

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                    1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0

  146  MEMBER  902 904 149                                                1757
  149  MEMBER  902 905 149                                                1757
  150  MEMBER  904 905 149                                                1757
  151  MEMBER  901 907 ABNSK                                              0000
  152  MEMBER  907 910 ABNSK      1111                                    0000
  153  MEMBER  903 908 ABNSK                                              0000
  154  MEMBER  908 911 ABNSK      1111                                    0000
  155  MEMBER  906 909 ABNSK                                              0000
  156  MEMBER  909 912 ABNSK      1111                                    0000
  157  MEMBER  9011002 160                                                2481
  158  MEMBER  9051002 160                                                2481
  159  MEMBER  9051005 160                                                2481
  160  MEMBER  9061005 160                                                2481
  161  MEMBER  9011004 160                                                2481
  162  MEMBER  9061004 160                                                2481
  163  MEMBER 10011002 200                                                3032
  164  MEMBER 10021003 200                                                3032
  165  MEMBER 10051005 200                                                3032
  166  MEMBER 10051006 200                                                3032
  167  MEMBER 10011004 200                                                3032
  168  MEMBER 10041006 200                                                3032
  169  MEMBER 10021004 140                                                2205
  170  MEMBER 10021005 140                                                2205
  171  MEMBER 10041005 140                                                2205
  172  MEMBER 10011007 ABNSK                                              0000
  173  MEMBER 10071010 ABNSK      1111                                    0000
  174  MEMBER 10031008 ABNSK                                              0000
  175  MEMBER 10081011 ABNSK      1111                                    0000
  176  MEMBER 10061009 ABNSK                                              0000
  177  MEMBER 10091012 ABNSK      1111                                    0000
  178  MEMBER  101 201 DKL
  179  MEMBER  103 203 DKL
  180  MEMBER  106 206 DKL                                                3000
  181  MEMBER  201 301 DKL                                                3000
  182  MEMBER  203 303 DKL                                                3000
  183  MEMBER  206 306 DKL                                                3000
  184  MEMBER  301 401 DKL                                                3000
  185  MEMBER  303 403 DKL                                                3000
  186  MEMBER  306 406 DKL                                                3000
  187  MEMBER  401 501 JL4                                            F   4750
  188  MEMBER  403 503 JL4                                            F   4750
  189  MEMBER  406 506 JL4                                            F   4750
  190  MEMBER  501 601  L5                                            F   4750
  191  MEMBER  503 603 JL5                                            F   4750
  192  MEMBER  506 606 JL5                                            F   4750
  193  MEMBER  601 641 JL6                                            F   4750
  194  MEMBER  603 643 JL6                                            F   4750
  195  MEMBER  606 646 JL6                                            F   4750
  196  MEMBER  641 651 JL6                                            F   6823
```

3.22

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                    1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  197  MEMBER  643 653 JL6                                                  F  6823
  198  MEMBER  646 656 JL6                                                  F  6823
  199  MEMBER  651 701 JL6                                                  F  6823
  200  MEMBER  653 703 JL6                                                  F  6823
  201  MEMBER  656 706 JL6                                                  F  6823
  202  MEMBER  701 801 JL7                                                  F  6547
  203  MEMBER  703 803 JL7                                                  F  6547
  204  MEMBER  706 806 JL7                                                  F  6547
  205  MEMBER  801 901 JL8                                                  F  6547
  206  MEMBER  803 903 JL8                                                  F  6547
  207  MEMBER  806 906 JL8                                                  F  6547
  208  MEMBER  9011001 JL9                                                  F  6547
  209  MEMBER  9031003 JL9                                                  F  6547
  210  MEMBER  9061006 JL9                                                  F  6547
  211  MEMBER  401 510  P1                                                  F  0000 1
  212  MEMBER  403 511  P1                                                  F  0000 2
  213  MEMBER  406 512  P1                                                  F  0000 3
  214  MEMBER  510 710  P1                                                  F  0000 1
  215  MEMBER  511 711  P1                                                  F  0000 2
  216  MEMBER  512 712  P1                                                  F  0000 3
  217  MEMBER  710 810  P2                                                  F  0000 1
  218  MEMBER  711 811  P2                                                  F  0000 2
  219  MEMBER  712 812  P2                                                  F  0000 3
  220  MEMBER  810 910  P2                                                  F  0000 1
  221  MEMBER  811 911  P2                                                  F  0000 2
  222  MEMBER  812 912  P2                                                  F  0000 3
  223  MEMBER  9101010  P3                                                  F  0000 1
  224  MEMBER  9111011  P3                                                  F  0000 2
  225  MEMBER  9121012  P3                                                  F  0000 3
  226  FOUND
  227  CVRG      4       0.05      0.05      0.005
  228  PILE   1010     200.0       29.0       11.6
  229  PROP             42.0       42.0      2.375      20.0
  230  PROP             42.0       42.0       1.75      70.0
  231  PROP             42.0       42.0        1.5     120.0
  232  PROP             42.0       42.0        1.5     200.0
  233  PY        2       0.0
  234  FORCE            0.0        0.0
  235  DEFL             0.0       20.0
  236  PY        2       5.0
  237  FORCE            0.0        0.0
  238  DEFL             0.0       20.0
  239  PY        8       8.0
  240  FORCE            0.0      0.107      0.129      0.153      0.169      0.188
  241  FORCE          0.237      0.237
  242  DEFL             0.0      0.049       0.12       0.27       0.43       0.70
  243  DEFL            1.58       20.0
  244  PY        8      14.0
  245  FORCE            0.0      0.366      0.611      0.906      1.136      1.440
```

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.			1	2	3	4	5	6	7	8
246	FORCE		2.274	2.274						
247	DEFL		0.0	0.036	0.11	0.26	0.42	0.70		
248	DEFL		1.58	20.0						
249	PY	6	24.0							
250	FORCE		0.0	1.204	1.681	2.347	2.896	3.644		
251	FORCE		5.830	5.830						
252	DEFL		0.0	0.069	0.14	0.28	0.43	0.70		
253	DEFL		1.58	20.0						
254	PY	6	33.0							
255	FORCE		0.0	2.784	3.444	4.456	5.337	6.572		
256	FORCE		10.515	10.515						
257	DEFL		0.0	0.12	0.18	0.31	0.45	0.70		
258	DEFL		1.58	20.0						
259	PY	7	33.08							
260	FORCE		0.0	1.354	1.838	2.494	3.384	4.594		
261	FORCE		4.594							
262	DEFL		0.0	0.064	0.16	0.40	1.01	2.52		
263	DEFL		20.0							
264	PY	7	45.0							
265	FORCE		0.0	2.321	3.150	4.275	5.802	7.875		
266	FORCE		7.875							
267	DEFL		0.0	0.064	0.16	0.40	1.01	2.52		
268	DEFL		20.0							
269	PY	8	45.08							
270	FORCE		0.0	2.532	3.433	4.719	5.791	7.259		
271	FORCE		11.615	11.615						
272	DEFL		0.0	0.078	0.15	0.29	0.44	0.70		
273	DEFL		1.58	20.0						
274	PY	8	65.0							
275	FORCE		0.0	3.542	4.840	6.680	8.210	10.303		
276	FORCE		16.485	16.485						
277	DEFL		0.0	0.075	0.15	0.28	0.44	0.70		
278	DEFL		1.58	20.0						
279	PY	8	90.0							
280	FORCE		0.0	4.756	6.551	9.079	11.176	14.040		
281	FORCE		22.464	22.464						
282	DEFL		0.0	0.073	0.14	0.28	0.44	0.70		
283	DEFL		1.58	20.0						
284	PY	8	90.08							
285	FORCE		0.0	1.499	3.003	4.689	5.988	7.706		
286	FORCE		12.329	12.329						
287	DEFL		0.0	0.023	0.098	0.25	0.41	0.70		
288	DEFL		1.58	20.0						
289	PY	8	95.0							
290	FORCE		0.0	1.581	3.167	4.945	6.314	8.126		
291	FORCE		13.001	13.001						
292	DEFL		0.0	0.023	0.098	0.25	0.41	0.70		
293	DEFL		1.58	20.0						
294	PY	8	114.0							

S T R A N I N P U T D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1...5	1...0	1...5	2...0	2...5	3...0	3...5	4...0	4...5	5...0	5...5	6...0	6...5	7...0	7...5	8...0
295	PURLE		0.0	1.838	3.728	5.833	7.452	9.594								
296	PURLE		15.350	15.350												
297	DEFL		0.0	0.022	0.097	0.25	0.41	0.70								
298	DEFL		1.58	20.0												
299	PILE	1011	200.0	29.0	11.6											
300	PILE	1012	200.0	29.0	11.6											
301	JOINT															
302	JOINT	101	1450	-837	16800							TOP DECK				
303	JOINT	102	000	-837	16800							TOP DECK				
304	JOINT	103	-1450	-837	16800							TOP DECK				
305	JOINT	104	725	418	16800							TOP DECK				
306	JOINT	105	-725	418	16800							TOP DECK				
307	JOINT	106	000	1674	16800							TOP DECK				
308	JOINT	201	1450	-837	15300							EQM DECK				
309	JOINT	202	000	-837	15300							EQM DECK				
310	JOINT	203	-1450	-837	15300							EQM DECK				
311	JOINT	204	725	418	15300							EQM DECK				
312	JOINT	205	-725	418	15300							EQM DECK				
313	JOINT	206	000	1674	15300							EQM DECK				
314	JOINT	301	1450	-837	13800							DK BRACE				
315	JOINT	303	-1450	-837	13800							DK BRACE				
316	JOINT	306	000	1674	13800							DK BRACE				
317	JOINT	401	1450	-837	10950							MP LEVEL				
318	JOINT	403	-1450	-837	10950							MP LEVEL				
319	JOINT	406	000	1674	10950							MP LEVEL				
320	JOINT	501	1515	-875	10500							5 LEVEL				
321	JOINT	502	000	-875	10500							5 LEVEL				
322	JOINT	503	-1515	-875	10500							5 LEVEL				
323	JOINT	504	757	437	10500							5 LEVEL				
324	JOINT	505	-757	437	10500							5 LEVEL				
325	JOINT	506	000	1749	10500							5 LEVEL				
326	JOINT	507	1686	-973	10533							5 LEVEL				
327	JOINT	508	-1686	-973	10533							5 LEVEL				
328	JOINT	509	000	1947	10533							5 LEVEL				
329	JOINT	510	1515	-875	10501							5 LEVEL				
330	JOINT	511	-1515	-875	10501							5 LEVEL				
331	JOINT	512	000	1749	10501							5 LEVEL				
332	JOINT	513	1775	-1025	10500							5 LEVEL				
333	JOINT	514	-1775	-1025	10500							5 LEVEL				
334	JOINT	601	1601	-925	9900							BOAT LDG				
335	JOINT	603	-1601	-925	9900							BOAT LDG				
336	JOINT	606	000	1848	9900							BOAT LDG				
337	JOINT	611	1601	-1525	9900							BOAT LDG				
338	JOINT	612	000	-1525	9900							BOAT LDG				
339	JOINT	613	-1601	-1525	9900							BOAT LDG				
340	JOINT	641	1688	-975	9300							MLW				
341	JOINT	642	-113	-975	9300							MLW				
342	JOINT	643	-1688	-975	9300							MLW				
343	JOINT	644	900	390	9300							MLW				

U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                    1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

344	JOINT	645	-788	585	9300	MLW
345	JOINT	646	000	1949	9300	MLW
346	JOINT	651	1775	-1025	8700	BOAT LDG
347	JOINT	653	-1775	-1025	8700	BOAT LDG
348	JOINT	656	000	2049	8700	BOAT LDG
349	JOINT	661	1775	-1525	8700	BOAT LDG
350	JOINT	662	000	-1525	8700	BOAT LDG
351	JOINT	663	-1775	-1525	8700	BOAT LDG
352	JOINT	701	1876	-1083	8000	7 LEVEL
353	JOINT	702	000	-1083	8000	7 LEVEL
354	JOINT	703	-1876	-1083	8000	7 LEVEL
355	JOINT	704	936	542	8000	7 LEVEL
356	JOINT	705	-936	542	8000	7 LEVEL
357	JOINT	706	000	2166	8000	7 LEVEL
358	JOINT	707	2047	-1182	8033	7 LEVEL
359	JOINT	708	-2047	-1182	8033	7 LEVEL
360	JOINT	709	000	2363	8033	7 LEVEL
361	JOINT	710	1876	-1083	8001	7 LEVEL
362	JOINT	711	-1876	-1083	8001	7 LEVEL
363	JOINT	712	000	2166	8001	7 LEVEL
364	JOINT	801	2251	-1300	5400	8 LEVEL
365	JOINT	802	000	-1300	5400	8 LEVEL
366	JOINT	803	-2251	-1300	5400	8 LEVEL
367	JOINT	804	1126	650	5400	8 LEVEL
368	JOINT	805	-1126	650	5400	8 LEVEL
369	JOINT	806	000	2599	5400	8 LEVEL
370	JOINT	807	2422	-1398	5433	8 LEVEL
371	JOINT	808	-2422	-1398	5433	8 LEVEL
372	JOINT	809	000	2797	5433	8 LEVEL
373	JOINT	810	2251	-1300	5401	8 LEVEL
374	JOINT	811	-2251	-1300	5401	8 LEVEL
375	JOINT	812	000	2599	5401	8 LEVEL
376	JOINT	901	2041	-1525	2700	9 LEVEL
377	JOINT	902	000	-1525	2700	9 LEVEL
378	JOINT	903	-2041	-1525	2700	9 LEVEL
379	JOINT	904	1320	762	2700	9 LEVEL
380	JOINT	905	-1320	762	2700	9 LEVEL
381	JOINT	906	000	3049	2700	9 LEVEL
382	JOINT	907	2812	-1623	2733	9 LEVEL
383	JOINT	908	-2812	-1623	2733	9 LEVEL
384	JOINT	909	000	3247	2733	9 LEVEL
385	JOINT	910	2041	-1525	2701	9 LEVEL
386	JOINT	911	-2041	-1525	2701	9 LEVEL
387	JOINT	912	000	3049	2701	9 LEVEL
388	JOINT	1001	3031	-1750	000	MUDLINE
389	JOINT	1002	000	-1750	000	MUDLINE
390	JOINT	1003	-3031	-1750	000	MUDLINE
391	JOINT	1004	1515	875	000	MUDLINE
392	JOINT	1005	-1515	875	000	MUDLINE

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     393 JOINT 1006     000   3499   000                                MUDLINE
     394 JOINT 1007    3201  -1848   033                                MUDLINE
     395 JOINT 1008   -3201  -1848   033                                MUDLINE
     396 JOINT 1009     000   3697   033                                MUDLINE
     397 JOINT 1010    3031  -1750   001                        111111
     398 JOINT 1010                                              NONLIN
     399 JOINT 1010                                1010    910 OBLIQU
     400 JOINT 1011   -3031  -1750   001                        111111
     401 JOINT 1011                                              NONLIN
     402 JOINT 1011                                1011    911 OBLIQU
     403 JOINT 1012     000   3499   001                        111111
     404 JOINT 1012                                              NONLIN
     405 JOINT 1012                                1012    912 OBLIQU
```

STRAN - GROUP PROPERTIES REPORT

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - ABL 93.0 FEET - 50 YR STORM
TUBULAR MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	WT IN.	OD IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	SHEAR AREA IN2	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***													
096	1	=0.00	.500	5.62	12.75	211.04	105.52	105.52	36.0	1.0	1.0	6.38	=0.00
106	1	=0.00	.844	10.75	26.27	649.04	324.52	324.52	36.0	1.0	1.0	13.13	=0.00
122	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	1.0	9.62	=0.00
126	1	=0.00	.750	12.75	28.27	1021.85	510.93	510.93	36.0	.8	1.0	14.14	=0.00
123	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	=0.00
125	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	=0.00
127	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	=0.00
137	1	=0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.0	.8	7.29	=0.00
145	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	=0.00
169	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	=0.00
140	1	=0.00	.375	14.00	16.05	745.52	372.76	372.76	36.0	.8	.8	8.03	=0.00
150	1	=0.00	.625	16.00	30.19	1787.03	893.52	893.52	36.0	.8	.8	15.09	=0.00
165	1	=0.00	.625	16.00	30.19	1787.03	893.52	893.52	36.0	.8	1.0	15.09	=0.00
168	1	=0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.0	.8	7.29	=0.00
179	1	=0.00	.500	14.00	21.21	967.51	483.76	483.76	36.0	1.0	.8	10.60	=0.00
200	1	=0.00	.625	20.00	38.04	3575.94	1788.97	1786.97	36.0	.8	.8	19.02	=0.00
230	1	=0.00	.625	20.00	38.04	3575.94	1788.97	1786.97	36.0	1.0	.8	19.02	=0.00
SKL	1	=0.00	1.000	30.00	91.11	19177.85	9588.93	9588.93	36.0	1.0	1.0	45.55	=0.00
P1	1	=0.00	1.750	42.00	221.29	89793.68	44896.84	44896.84	36.0	1.0	1.0	110.64	=0.00
P2	1	=0.00	2.000	42.00	251.33	100702.29	50391.15	50391.15	36.0	1.0	1.0	125.66	=0.00
P3	1	=0.00	2.375	42.00	295.65	116471.24	58235.62	58235.62	36.0	1.0	1.0	147.83	=0.00
JL4	1	=0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	=0.00
JL5	1	=0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	=0.00
JL6	1	=0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	=0.00
JL7	1	=0.00	.500	45.50	70.69	35769.12	17894.56	17894.56	36.0	.8	1.0	35.34	=0.00
JL8	1	=0.00	.500	45.50	70.69	35769.12	17894.56	17894.56	36.0	.8	1.0	35.34	=0.00
JL9	1	=0.00	.500	45.50	70.69	35769.12	17894.56	17894.56	36.0	.8	1.0	35.34	=0.00
SKM	1	=0.00	.500	16.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	1.0	13.74	=0.00

3.28

STRAN - GROUP PROPERTIES REPORT

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
WIDE FLANGE/WIDE FLANGE COMPACT MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	FLANGE THICK IN.	FLANGE WIDTH IN.	WEB THICK IN.	FILET RADIUS IN.	DEPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	LB FT.	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***																
A18	1	-0.00	.570	7.50	.350	.500	18.00	16.20	1.25	802.00	40.20	36.0	2.0	.5	.01	-0.00
A08	1	-0.00	.398	6.50	.245	.500	7.93	7.06	.34	82.50	18.20	36.0	1.0	1.0	.01	-0.00
A21	1	-0.00	.740	8.50	.455	.640	21.24	21.50	3.02	1600.00	70.60	36.0	2.0	.5	.01	-0.00

STRAN - GROUP PROPERTIES REPORT

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
PRISMATIC SECTION MEMBERS

GRP	M/S	JOINT THICK FT.	Z-DPTH IN.	Y-DPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***												
ACM	1	=0.00	10.00	5.00	50.00	30000.00	30000.00	30000.00	36.0	1.0	1.0	=0.00

SECTION 4.0

BASIC LOADS

4.1 INTRODUCTION

This section presents the loads which are applied to the structure.

Section 4.2 contains the estimated weight of the structural material not considered by SEALOAD because of the structural idealization of the model.

Section 4.3 contains the calculations for live loads applied to the Upper Deck and to the Equipment Deck.

Section 4.4 illustrates the data required for the wind loads feature of SEALOAD. The wind loading applied to the individual structural members of the model is found in Appendix B.2.

Section 4.5 contains a summary of the shear force and overturning moment at the mudline for each wave direction. The wave loading applied to the individual structural members of the model is found in Appendix B.2

CREST OFFSHORE, INC.

Sheet ____ of ____

By A.O.C. Client U.S. NAVY Subject DESIGN OF 23' MLW STRUCTURE
Date 7-2-76 Job No. 27-771-25 Calculation BASIC LOADS

4.01 DEAD LOADS

1. Weight of the structure is considered in the SEALOAD 2 analysis.

2. Top Deck: A 15 kip load was assumed as the weight of the deck. The load was distributed uniformly at each column

3. Equipment Deck: A 15 kip load was assumed as the weight of the deck. The load was distributed uniformly at each column.

4. Boat Landing: 11 kip load (estimated) was applied at each support. A total of 22 kips was applied.

5. Boat Bumper: 1.2 kip load (estimated) was applied at each bumper.

4.2 LIVE LOADS

1. Top Deck; 100 psf load was applied to a 364 ft^2 area and distributed uniformly along the 3 W18@50.

$$\frac{100 \times 364}{3 \times 29} = 418.4\ \#/ft$$

CREST OFFSHORE, INC.

Sheet ____ of ____

By [illegible] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 7-9-96 Job No. 21-771-95 Calculation BASIC LOADS

4.2 LIVE LOADS (CONT'D.)

2. Equipment Deck: 150 psf load was applied to a 364 FT^2 area and distributed uniformly along the 3 main support beams.

$$\frac{150 \times 364}{3 \times 29} = 627.6\ \#/FT$$

a) Equipment Deck Cantilever: 150 psf load was applied to a 192 FT^2 area and distributed uniformly along the W21@73 support beam.

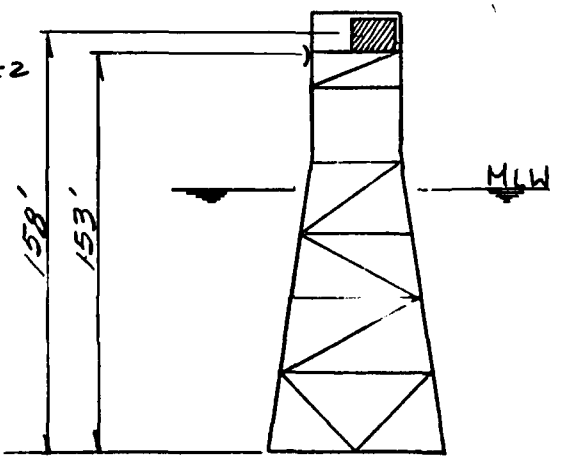
$$\frac{150 \times 192}{29} = 993\ \#/FT$$

4.3 Wind Load

1. Wind on the structure is considered in the SEALOAD 2 analysis.

2. Wind as applied to the solar panel and antenna

AREA@158' = 121 FT^2
AREA@153' = 50 FT^2



CREST OFFSHORE, INC.

By ACC Client U.S. NAVY Subject DESIGN OF 93' MLM STRUCTURE

Date 7-9-76 Job No. 27-271-95 Calculation ____

4.4 WAVE LOADS

The wave loads on the members of the platform are calculated by the SEALOAD-2 program using Dean's Stream Function wave grid profiles.

A summary of the shear force and overturning moment at the mudline for each wave direction selected follows on the next four pages. Note that these forces and moments also include the wind loads.

By J. Talbot Client U.S. Navy Subject Design of MLW Structure
Date 9-3-76 Job No. 27-771- Calculation Wave Loads

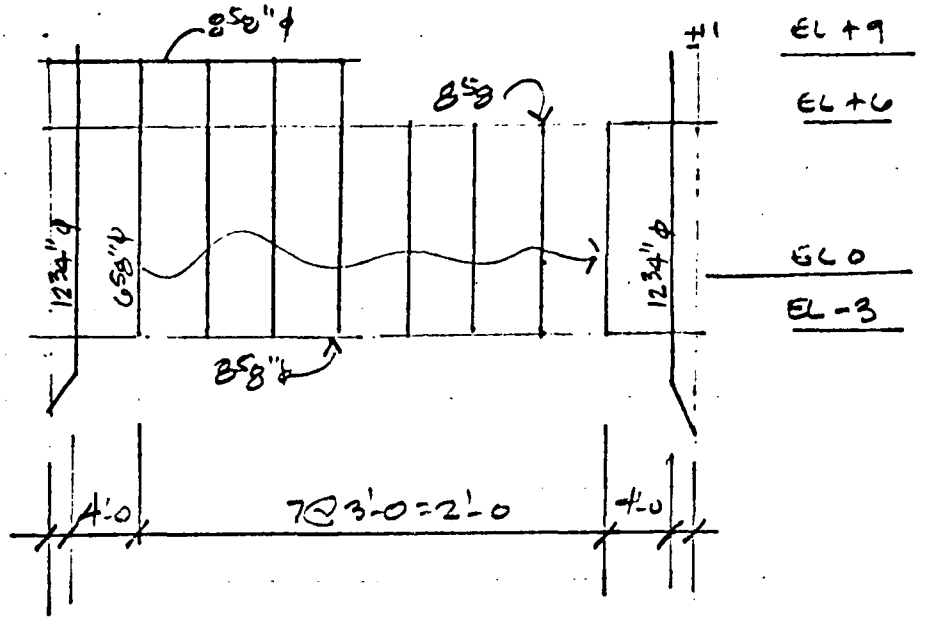
The roughness effect of the marine fouling for that part of the structure from the Mean Low Water to the Mudline is considered by increasing the effective diameter used in SEALOAD to increase the drag. However, this results in a larger inertial force being applied to the structure. Therefore, the mass coefficient is reduced correspondingly. The following equations are used to determine Deff and Cm used in SEALOAD.

$$Dact = D + 2''$$
$$Deff = Dact \times 1.02/.74$$
$$Cmeff = \frac{Dact^2}{36 \times Deff}$$

These equations produce the following table.

D	Dact	Deff	C_m
10 3/4"	12.75	17.57	0.257
12 3/4"	14.75	20.33	0.297
14"	16.00	22.05	0.322
16"	18.00	24.81	0.363
18"	20.00	27.57	0.403
20"	22.00	30.32	0.443
45 1/2"	47.50	65.47	0.957
47 1/2"	49.50	68.23	0.997

BOAT LANDING WAVE AREA



SURFACE AREA FRONT FACE

HORIZONTALS

	1-8 5/8" ϕ = 0.72 ϕ x 16' =	11.52 ϕ	
	2-" = 0.72 x 29' x 2 =	41.76	/ 53.28
VERT.	2-12 3/4 = 1.063 x 2 x 18' =	38.34	
	4-6 5/8" = 0.552 x 4 x 13' =	28.70	
	4-" = 0.552 x 4 x 10' =	22.08	/ 89.12
		142.4 S.F.	

BACK FACE

HOR.	1-6 5/8" ϕ = 0.552 x 16' x 1 =	8.83 S.F.
	2-8 5/8" ϕ = 0.720 x 29 x 2 =	41.76 "
VER.	3-6 5/8 ϕ = 0.552 x 9 x 2 =	9.94 "
	2-6 5/8 ϕ = 0.552 x 13 x 2 =	14.35 "
		74.88

ASSUMING BACK FACE IS SHIELDED SOMEWHAT

TOTAL AREA = 142.4 + 0.5 x 74.88 = 179.84 S.F.

SAY 180 S.F. SURFACE AREA

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 4 WAVE DIRECTION =270.000

X SHEAR FORCE =	1.5927 KIPS
Y SHEAR FORCE =	-1351.1451 KIPS
RESULTANT SHEAR FORCE =	1351.1460 KIPS
X MUDLINE MOMENT =	115033.7969 FT-KIPS
Y MUDLINE MOMENT =	194.1206 FT-KIPS
RESULTANT MUDLINE MOMENT =	115033.9607 FT-KIPS
Z VERTICAL FORCE =	-74.1271 KIPS

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 3 WAVE DIRECTION =240.000

X SHEAR FORCE =	-631.2893 KIPS
Y SHEAR FORCE =	-1154.1838 KIPS
RESULTANT SHEAR FORCE =	1315.5479 KIPS
X MUDLINE MOMENT =	99475.2596 FT-KIPS
Y MUDLINE MOMENT =	-54058.6662 FT-KIPS
RESULTANT MUDLINE MOMENT =	113215.1345 FT-KIPS
Z VERTICAL FORCE =	-68.4976 KIPS

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 2 WAVE DIRECTION = 90.000

X SHEAR FORCE =	19.1478 KIPS
Y SHEAR FORCE =	1360.3456 KIPS
RESULTANT SHEAR FORCE =	1360.4803 KIPS
X MUDLINE MOMENT =	-117110.4091 FT-KIPS
Y MUDLINE MOMENT =	2605.5641 FT-KIPS
RESULTANT MUDLINE MOMENT =	117139.3909 FT-KIPS
Z VERTICAL FORCE =	-93.3705 KIPS

4.09

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	639.1422 KIPS
Y SHEAR FORCE =	1162.0762 KIPS
RESULTANT SHEAR FORCE =	1326.2443 KIPS
X MUDLINE MOMENT =	-99252.6111 FT-KIPS
Y MUDLINE MOMENT =	53831.7455 FT-KIPS
RESULTANT MUDLINE MOMENT =	112911.1935 FT-KIPS
Z VERTICAL FORCE =	-100.0843 KIPS

SECTION 5.0

LOADING CONDITIONS

5.1 INTRODUCTION

This section describes the wave approaches considered and the loading conditions used to analyze the structure for the 50 year storm.

Loading Conditions 1 to 4 are the load conditions generated by SEALOAD for the maximum force on the structure (in the area of the wave crest) for the four selected wave approached. Load Condition 5 is the dead weight generated by SEALOAD, the dead weight not included by the model, and the live load on the two deck areas. Load Conditions 6 to 9 are the maximum wave load conditions, Load Conditions 1 to 4, added to Load Condition 5, the total dead weight and live load of the structure.

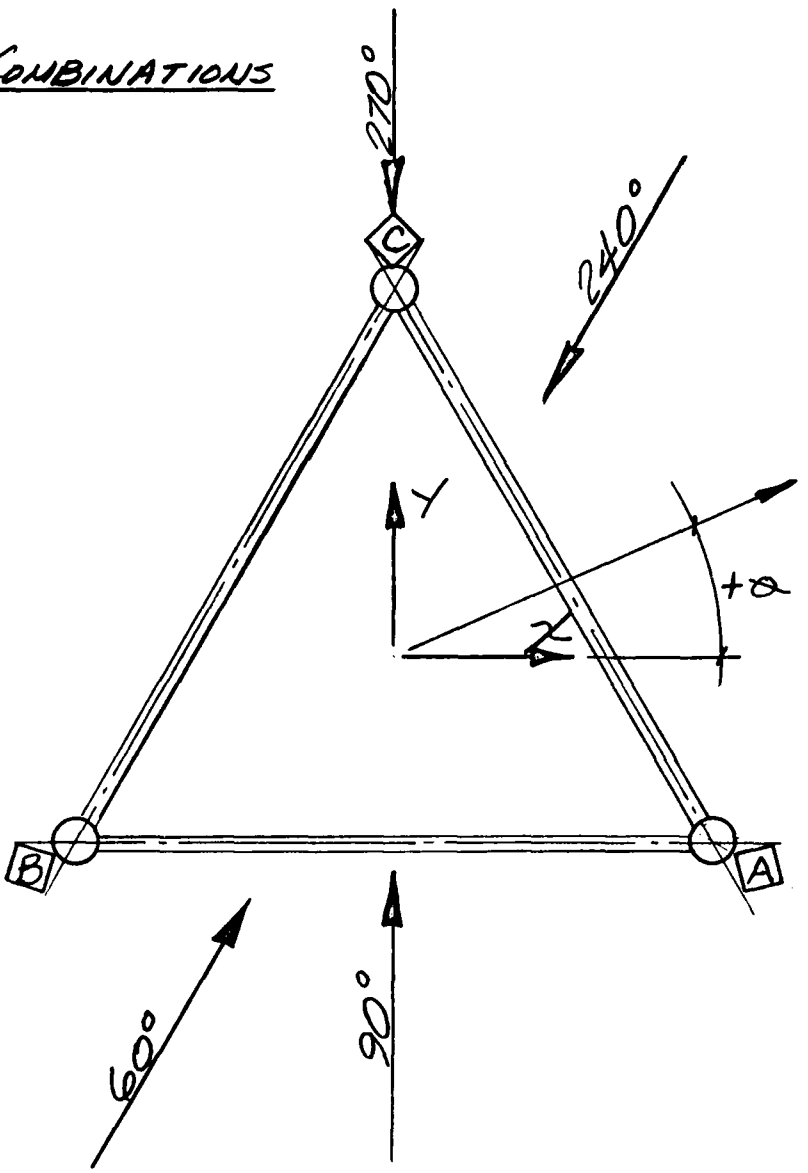
CREST OFFSHORE, INC.

Sheet ____ of ____

By ___ Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 1-9-76 Job No. 27-771-95 Calculation ____

LOADING COMBINATIONS



LOAD CASE 1 : Wind and Wave at 60°
LOAD CASE 2 : Wind and Wave at 90°
LOAD CASE 3 : Wind and Wave at 240°
LOAD CASE 4 : Wind and Wave at 270°
LOAD CASE 5 : DEAD LOADS + LIVE LOADS

LOAD CASE 6 : LOADING 1 + LOADING 5
LOAD CASE 7 : LOADING 2 + LOADING 5
LOAD CASE 8 : LOADING 3 + LOADING 5
LOAD CASE 9 : LOADING 4 + LOADING 5

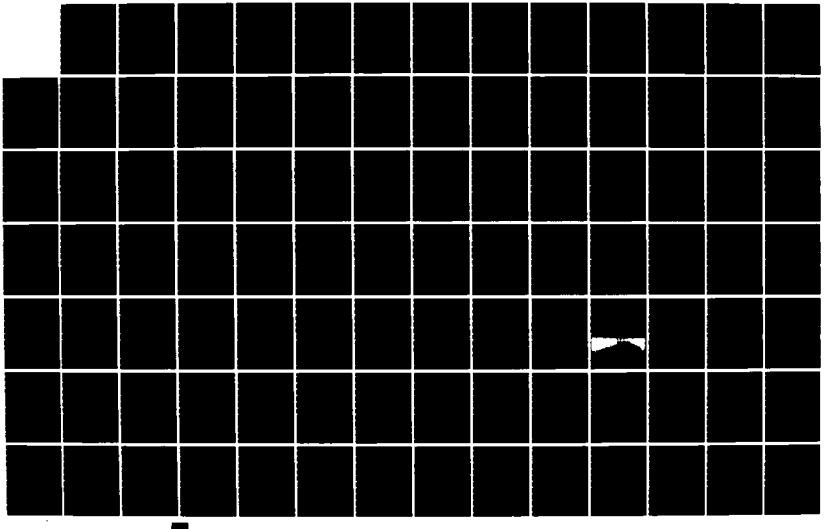
SECTION 6.0

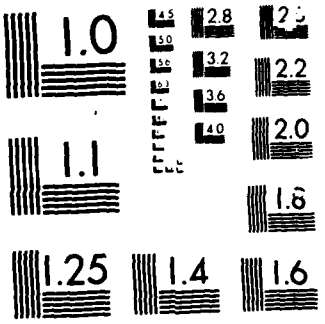
SPACE FRAME ANALYSIS

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614

2/7

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

6.1 INTRODUCTION

This section contains the results of the space frame analysis of the structure subjected to the specified environmental conditions.

The space frame analysis set forth herein utilizes the available computer programs available at Synercom Technology, Inc., Houston, Texas. The program processing procedures are as follows:

1. Set up SEALOAD-2 program to obtain desired wind, wave and dead weight (including buoyancy effect) loadings on the structural components.

2. Update loadings in Step (1) due to additional dead weight and live loads on the structure.

3. Perform space frame analysis by using STRAN computer program.

CREST OFFSHORE, INC.

Sheet ____ of ____

By ADO Client U.S. NAVY Subject DESIGN OF 93' MLM STRUCTURE
Date 9-3-76 Job No. 22-771-95 Calculation SPACE FRAME ANALYSIS

6.2 MAXIMUM MEMBER STRESSES

The following three pages tabulate the maximum stress each member of the mathematical model experiences. The loading condition in which this stress occurs as well as the maximum unity check are indicated. Since one-third increase of all allowable stresses was used by the computer due to the storm condition, all unity checks should be compared to 1.00.

STRAP MEMBER STRESS REPORT NO. 3

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 95.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
101- 102	A10-01	.440	7	0.0	-.23	4.01	8.72	.78	-6.87	49.5	55.2	.428	8	.428	6
101- 104	A10-01	.438	8	0.0	-.42	4.85	-7.67	-.67	-7.34	49.4	55.2	.410	6	.408	7
101- 201	DBL-01	.074	9	15.0	-.27	-2.02	0.00	9.68	5.97	17.5	17.5	.069	8	.039	6
102- 103	A10-01	.363	7	14.5	-.22	4.71	5.84	-.57	7.24	49.5	55.2	.323	9	.276	8
102- 104	A10-01	.071	7	14.5	-.09	-.12	1.74	-.10	.17	50.9	108.3	.055	6	.049	9
102- 105	A10-01	.041	8	10.9	.17	-.46	.56	-.01	.06	50.9	108.3	.040	7	.034	6
103- 105	A10-01	.302	7	0.0	-.18	5.56	-5.15	-.43	-7.62	49.4	55.2	.294	9	.246	6
103- 203	DBL-01	.069	9	15.0	-.25	-2.53	0.00	-10.21	7.17	17.5	17.5	.068	8	.047	7
104- 105	A10-01	.049	7	0.0	.21	.12	-1.06	-.05	-.22	50.9	108.4	.044	8	.043	9
104- 106	A10-01	.279	8	14.5	-.38	3.79	-4.09	.41	11.75	49.5	55.2	.269	6	.190	7
105- 106	A10-01	.300	8	14.5	-.43	5.56	-3.05	.22	7.53	49.5	55.2	.262	9	.181	6
106- 206	DBL-01	.132	7	15.0	-.19	-3.96	0.00	-5.75	-17.09	17.5	17.5	.111	6	.079	9
201- 202	A10-01	.586	7	0.0	1.82	6.28	9.32	.85	-9.93	49.5	55.2	.542	6	.551	8
201- 204	A10-01	.702	7	0.0	-4.68	7.47	8.66	.74	-10.56	49.4	55.2	.664	6	.585	8
201- 301	DBL-01	.626	7	15.0	-.75	-18.93	0.00	14.92	60.27	17.5	17.5	.562	9	.470	6
201- 303	120-01	.633	7	32.6	.17	19.83	0.00	31.80	11.88	73.7	92.2	.589	6	.261	8
202- 203	A10-01	.512	7	14.5	1.82	6.92	6.59	-.64	10.27	49.5	55.2	.445	9	.409	6
202- 204	A10-01	.074	7	14.5	-.12	-.12	1.80	-.10	.17	50.9	108.3	.056	6	.051	9
202- 205	A10-01	.055	7	14.5	-.11	.21	-1.17	.04	.18	50.9	108.3	.052	8	.047	6
203- 205	A21-01	.649	7	0.0	1.84	11.82	-6.25	-.76	-20.82	40.3	48.0	.524	6	.470	9
203- 303	DBL-01	.614	8	15.0	-1.47	-17.71	0.00	-1.35	-56.50	17.5	17.5	.609	7	.541	9
203- 306	120-01	.492	9	32.6	4.43	10.69	0.00	12.97	18.73	73.7	92.2	.460	7	.412	8
204- 205	A10-01	.063	8	14.5	-.16	.16	1.37	-.05	.19	50.9	108.4	.048	7	.044	6
204- 206	A10-01	.518	8	14.5	5.54	7.06	-5.12	.52	15.37	49.5	55.2	.449	6	.401	7
205- 206	A21-01	.595	8	14.5	-2.06	11.53	-4.39	.53	20.19	40.3	48.0	.469	9	.375	6
205- 301	120-01	.635	8	32.6	-4.03	-13.17	0.00	24.54	5.16	73.7	92.2	.508	9	.496	7
206- 306	DBL-01	.728	7	15.0	-1.55	-21.24	0.00	14.43	78.07	17.5	17.5	.682	9	.610	8
301- 303	120-01	.657	6	29.0	-2.50	-16.55	0.00	16.49	2.89	64.2	64.2	.616	8	.565	7
301- 306	120-01	.755	7	29.0	-5.68	-16.51	0.00	7.63	4.42	64.2	64.2	.750	6	.665	8
301- 401	DBL-01	.647	7	28.5	-.39	-21.56	0.00	-9.56	-102.96	33.3	33.3	.695	9	.507	6
303- 306	120-01	.540	7	29.0	3.30	15.02	0.00	-7.51	3.99	64.2	64.2	.570	8	.551	9
303- 403	DBL-01	.740	8	28.5	-1.52	-23.12	0.00	-18.99	100.61	33.3	33.3	.702	6	.694	9
306- 406	DBL-01	1.008	7	28.5	-2.58	-29.00	0.00	-10.66	-123.76	33.3	33.3	.856	9	.811	6
401- 501	JL -01	.730	9	4.6	8.47	13.76	0.00	84.64	-45.06	2.7	3.4	.724	7	.531	8
401- 510	P -01	.325	9	0.0	-6.04	-3.58	0.00	8.62	-1.91	3.8	3.8	.285	7	.202	6
403- 503	JL -01	.816	8	4.6	13.18	11.28	0.00	-47.70	-137.10	2.7	3.4	.767	6	.765	9
403- 511	P1-01	.472	8	4.6	-9.76	-4.15	0.00	.82	-18.04	3.8	3.8	.429	6	.340	9
406- 506	JL -01	.959	7	4.6	16.38	9.13	0.00	-10.57	-126.46	2.7	3.4	.819	9	.725	6
406- 512	P1-01	.604	7	0.0	-11.65	-6.27	0.00	-.12	26.07	3.8	3.8	.545	9	.506	6
501- 502	165-01	.375	9	15.1	-5.87	-5.38	0.00	-11.15	-1.91	26.7	33.4	.347	6	.325	7
501- 504	165-01	.732	9	0.0	9.62	12.56	0.00	-3.81	-7.92	26.7	33.4	.720	7	.647	8
501- 601	JL3-01	.674	7	0.0	-7.27	-15.29	0.00	118.56	-31.57	3.0	4.5	.672	9	.519	8
501- 602	210-01	.487	6	0.0	6.96	7.75	0.00	-15.86	-8.60	28.4	28.4	.447	8	.312	9
502- 503	165-01	.361	9	0.0	-6.02	-4.71	0.00	9.94	1.16	26.7	33.4	.300	7	.193	8
502- 504	125-01	.120	8	0.0	-.56	-3.37	0.00	1.14	-1.57	33.5	33.5	.114	6	.113	9
502- 505	125-01	.215	6	0.0	-1.40	-5.09	0.00	-4.49	.51	33.5	33.5	.210	8	.148	7
503- 505	165-01	.573	8	0.0	-6.69	-10.76	0.00	-1.96	-7.85	26.7	33.4	.508	9	.472	6
503- 603	JL3-01	.674	8	0.0	10.52	9.94	0.00	94.42	57.16	3.0	4.5	.644	6	.622	7

6.03

STRAN MEMBER STRESS REPORT NO. 3

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
503= 645 200-01		.859	6	0.0	15.30	10.22	0.00	1.24	-14.93	28.4	28.4	.810	9	.795	7
504= 535 100-01		.196	4	15.1	-1.35	-4.56	0.00	-4.90	.33	33.5	33.5	.193	7	.156	6
505= 536 100-01		.752	7	15.1	-11.17	-11.46	0.00	-.45	6.75	26.7	33.4	.653	9	.614	6
506= 536 100-01		.544	6	15.1	5.06	11.62	0.00	-4.97	7.98	26.7	33.4	.526	8	.490	7
507= 636 JL2-01		.701	7	0.0	14.07	6.66	0.00	17.30	67.13	3.6	4.5	.690	9	.607	8
508= 644 200-01		.454	7	0.0	14.79	10.71	0.00	10.56	-12.59	28.4	28.4	.810	9	.648	6
510= 710 P1-01		.321	4	0.0	-6.05	-3.49	0.00	10.09	24.48	21.4	21.4	.285	7	.195	6
511= 711 P1-01		.473	6	0.0	-9.78	-4.15	0.00	-1.70	45.29	21.4	21.4	.429	6	.336	9
512= 712 P1-01		.563	7	0.0	-11.00	-5.00	0.00	-.12	55.45	21.4	21.4	.534	9	.490	6
601= 641 JL6-01		.505	4	0.0	7.95	7.20	0.00	-66.70	23.15	3.6	4.5	.500	7	.331	8
602= 643 JL6-01		.525	6	0.0	10.20	5.58	0.00	69.43	46.29	3.6	4.5	.501	6	.432	9
603= 646 JL6-01		.404	7	0.0	14.06	5.76	0.00	17.30	46.27	3.6	4.5	.584	9	.529	8
604= 651 JL6-01		.363	4	0.0	7.94	5.58	0.00	-76.32	10.26	3.6	4.5	.376	7	.197	8
605= 715 200-01		.511	6	21.9	6.96	8.49	0.00	15.92	6.78	30.7	30.7	.495	8	.256	7
643= 653 JL6-01		.409	6	0.0	10.18	1.72	0.00	63.77	39.00	3.6	4.5	.392	6	.290	9
644= 701 200-01		.659	4	21.9	-14.50	-5.79	0.00	9.57	-5.04	30.7	30.7	.641	7	.546	8
645= 716 200-01		.665	7	21.9	-14.57	-4.58	0.00	-8.84	-5.81	30.7	30.7	.654	9	.631	8
646= 656 JL6-01		.543	7	0.0	14.04	1.71	0.00	17.30	40.54	3.6	4.5	.522	9	.479	6
651= 701 JL6-01		.315	4	0.0	8.50	.03	0.00	-16.82	12.03	4.2	5.3	.293	7	.150	8
653= 703 JL6-01		.443	6	7.1	-10.44	-2.52	0.00	-13.92	-5.51	4.2	5.3	.441	8	.270	7
656= 706 JL6-01		.543	7	7.1	14.00	1.77	0.00	17.30	7.42	4.2	5.3	.525	9	.457	6
701= 702 137-01		.439	6	18.8	-4.53	-7.51	0.00	-6.19	-.53	82.3	41.1	.388	6	.342	9
702= 704 137-01		.364	6	18.8	-2.41	-7.41	0.00	6.17	-.51	82.3	41.2	.305	8	.230	7
703= 651 JL7-01		.409	4	13.2	8.32	5.76	0.00	-5.73	-2.81	15.9	19.9	.376	7	.297	6
704= 646 200-01		.745	7	0.0	-12.12	-5.19	0.00	-7.31	7.94	68.4	68.4	.633	9	.610	6
705= 703 137-01		.401	6	18.8	-5.27	-4.48	0.00	-4.15	1.12	82.3	41.1	.349	9	.324	7
706= 704 127-01		.159	7	0.0	-.74	-3.36	0.00	2.46	-.63	49.0	49.0	.136	9	.030	8
707= 705 127-01		.211	6	0.0	-1.24	-5.07	0.00	-4.06	-.66	49.0	49.0	.203	8	.123	7
708= 705 137-01		.270	7	18.8	-1.55	-6.10	0.00	-4.17	-.35	82.3	41.2	.258	9	.147	8
709= 711 200-01		.619	6	0.0	-8.84	-9.63	0.00	17.02	3.62	68.4	68.4	.554	8	.267	7
3= 703 JL7-01		.754	6	6.6	17.19	4.94	0.00	-.05	.78	15.9	19.9	.752	6	.556	9
4= 705 127-01		.222	4	0.0	-1.40	-5.20	0.00	4.51	-.67	49.0	49.0	.219	7	.215	8
4= 706 137-01		.293	6	18.8	-3.37	-4.29	0.00	4.09	.93	82.3	41.1	.255	7	.230	8
5= 706 137-01		.267	7	18.8	-2.81	-4.65	0.00	-2.74	1.15	82.3	41.1	.262	6	.186	8
5= 713 200-01		.842	4	0.0	-12.10	-7.81	0.00	10.57	7.66	68.4	68.4	.825	8	.716	7
5= 810 JL7-01		.821	7	6.6	19.76	4.20	0.00	-6.42	3.71	15.9	19.9	.802	9	.647	6
5= 810 P2-01		.244	4	26.4	-5.47	-1.70	0.00	9.73	7.60	22.3	22.3	.183	7	.040	8
711= 811 P2-01		.405	6	26.4	-8.75	-3.01	0.00	-1.13	6.65	22.3	22.3	.351	6	.241	9
712= 812 P2-01		.475	7	26.4	-10.41	-3.34	0.00	-.12	9.69	22.3	22.3	.412	9	.408	6
801= 802 100-01		.400	4	22.5	-3.71	-6.56	0.00	-5.01	-.61	98.7	49.4	.319	8	.316	7
802= 804 100-01		.474	6	22.5	-4.40	-7.73	0.00	5.30	-.30	98.7	49.4	.393	7	.376	8
803= 901 JL6-01		.357	4	6.6	8.86	2.40	0.00	.29	4.45	16.5	20.6	.350	7	.149	4
901= 903 200-01		.562	6	55.9	-5.91	-8.99	0.00	-12.34	-2.15	78.3	78.3	.501	6	.256	9
902= 803 100-01		.395	4	0.0	-5.75	-6.41	0.00	4.98	.56	98.7	49.4	.311	7	.275	8
902= 804 100-01		.120	4	0.0	.56	3.18	0.00	-1.94	-.58	58.8	58.8	.117	7	.031	6
902= 805 100-01		.219	6	0.0	-1.06	-5.50	0.00	-3.39	-.53	58.8	58.8	.211	8	.129	7
903= 805 100-01		.351	6	0.0	-5.23	-5.23	0.00	.56	-1.24	98.7	49.4	.252	9	.222	7
903= 905 JL6-01		.445	6	27.4	9.84	3.18	0.00	-20.12	-18.56	16.5	20.6	.441	6	.243	9

6.04

STRAN MEMBER STRESS REPORT NO. 3

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
803= 906	200=01	.860	6	0.0	-12.40	-6.40	0.00	-.66	7.25	78.3	78.3	.776	7	.685	8
804= 805	140=01	.220	9	22.5	-1.17	-5.36	0.00	-3.76	.57	58.8	58.8	.210	7	.200	6
804= 806	140=01	.443	7	22.5	-4.74	-5.11	0.00	2.18	1.03	98.7	49.4	.425	6	.301	8
805= 806	140=01	.257	6	22.5	2.49	5.39	0.00	-.96	1.15	98.7	49.4	.226	8	.176	7
806= 901	200=01	.847	9	0.0	-11.28	-7.30	0.00	-7.80	6.02	78.3	78.3	.657	7	.606	8
806= 906	JL6=01	.527	7	13.7	13.03	2.31	0.00	-6.68	-5.00	16.5	20.6	.523	9	.494	6
810= 910	P2=01	.279	9	27.4	-5.55	-2.70	0.00	9.93	-20.16	23.2	23.2	.218	7	.131	8
811= 911	P2=01	.447	6	27.4	-8.83	-4.41	0.00	-1.42	-50.95	23.2	23.2	.394	6	.319	9
812= 912	P2=01	.508	7	27.4	-10.49	-4.38	0.00	-.12	-54.72	23.2	23.2	.442	9	.429	6
901= 902	189=01	.479	6	26.4	-5.51	-4.72	0.00	5.09	-.44	106.2	53.1	.324	8	.262	7
901= 904	189=01	.515	7	26.4	-6.13	-4.57	0.00	3.45	.20	106.2	53.1	.367	9	.356	6
901=1001	JL4=01	.098	6	0.0	.04	3.05	0.00	18.20	1.68	16.5	20.6	.098	9	.095	7
901=1002	160=01	.452	8	37.8	-7.47	-3.04	0.00	-3.92	-1.03	66.8	66.8	.381	6	.121	7
901=1004	160=01	.755	7	37.8	-14.35	-2.62	0.00	1.79	-2.40	66.8	66.8	.593	9	.478	6
902= 903	189=01	.431	6	26.4	-5.08	-4.05	0.00	3.86	.27	106.2	53.1	.299	8	.247	7
902= 904	144=01	.110	9	0.0	.49	2.94	0.00	-1.67	-.37	69.0	69.0	.106	7	.035	8
902= 905	144=01	.243	6	0.0	-.99	-6.25	0.00	-3.03	-.21	69.0	69.0	.230	8	.142	7
903= 905	189=01	.661	8	0.0	-7.74	-5.82	0.00	.09	-1.24	106.2	53.1	.630	9	.372	7
903=1002	160=01	.504	6	0.0	-8.06	-4.33	0.00	5.30	1.23	66.8	66.8	.413	8	.112	7
903=1003	JL4=01	.168	8	0.0	1.48	3.68	0.00	16.30	3.85	16.5	20.6	.160	6	.160	9
903=1005	160=01	.914	6	0.0	-16.12	-4.53	0.00	-.45	1.38	66.8	66.8	.612	7	.700	8
904= 905	144=01	.232	9	26.4	-1.08	-5.78	0.00	-3.27	.27	69.0	69.0	.224	7	.202	6
904= 906	189=01	.579	7	26.4	-8.77	-3.81	0.00	1.85	1.21	106.1	53.1	.327	6	.297	9
905= 906	189=01	.534	9	26.4	-8.93	-3.30	0.00	2.64	.06	106.1	53.1	.518	8	.401	6
905=1004	160=01	.794	9	0.0	-14.08	-4.13	0.00	-3.01	3.45	66.8	66.8	.639	7	.441	8
905=1005	160=01	.834	6	37.8	-15.86	-2.93	0.00	-.27	-2.51	66.8	66.8	.768	9	.674	6
906=1006	JL4=01	.144	9	0.0	-1.52	-2.80	0.00	-6.49	-2.13	16.5	20.6	.142	7	.109	6
910=1010	P3=01	.533	9	27.4	-4.80	-11.58	0.00	10.28	107.20	23.4	23.4	.491	7	.177	8
911=1011	P3=01	.850	6	27.4	-7.59	-18.52	0.00	-2.09	189.44	23.4	23.4	.801	6	.542	9
912=1012	P3=01	.943	7	27.4	-8.96	-21.51	0.00	-.12	215.52	23.4	23.4	.902	9	.866	6
1001=1002	200=01	.341	9	0.0	-5.78	-1.60	0.00	-.32	-.23	84.9	42.5	.279	7	.200	6
1001=1004	200=01	.391	9	0.0	-5.46	-3.62	0.00	-1.30	-1.50	84.9	42.5	.334	7	.213	6
1002=1003	200=01	.550	6	30.3	-8.90	-2.77	0.00	-1.51	1.13	84.9	42.5	.427	6	.343	9
1002=1004	14 =01	.150	6	0.0	.07	4.07	0.00	-.66	1.39	60.4	60.4	.149	8	.133	7
1002=1005	14 =01	.158	7	0.0	-.40	-4.44	0.00	-.02	1.29	60.4	60.4	.154	6	.145	9
1003=1005	200=01	.504	8	0.0	-8.95	-3.79	0.00	-.34	-2.71	84.9	42.5	.462	6	.423	9
1004=1005	140=01	.115	6	0.0	-.72	-2.57	0.00	.41	.65	60.4	60.4	.105	6	.091	9
1004=1006	200=01	.674	7	30.3	-10.32	-5.59	0.00	1.10	2.44	84.9	42.4	.584	6	.472	9
1005=1006	200=01	.652	7	30.3	-9.97	-5.47	0.00	-.55	1.94	84.9	42.4	.596	6	.459	9

90.05

CREST OFFSHORE, INC.

By RKK Client U.S. NAVY Subject DESIGN OF 93' MLC STRUCTURE
Date 9-3-26 Job No 27-771-95 Calculation SPACE FRAME ANALYSIS

6.3 MAXIMUM MEMBER FORCES

The following three pages tabulate the maximum member forces for each member of the mathematical model. Since a one-third increase of all allowable stresses was used by the computer due to the storm condition, all unity checks should be compared to 1.00.

STRAN MEMBER STRESS REPORT NO. 1

DATE 08/27/76

U.S. NAVY - ACOM PLATFORMS - PLATFORM NO. 2 - MWL 95.0 FEET - 50 YR STORM

MEMBER NO.	JNT P ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
1001- 1 2	A10-01	.441	.010	.127	.304	7	0.0	-5.72	.01	357.07	93.47	.428	8	.428	6
1002- 1 4	A10-01	.436	.018	.153	.267	8	0.0	-6.75	-.01	451.92	-82.17	.416	6	.406	7
1003- 601	DAL-01	.074	.010	.018	.046	9	15.0	-24.22	-120.68	694.11	-1090.07	.069	8	.039	6
1004- 1 3	A10-01	.303	.009	.149	.205	7	14.5	-5.57	-.02	419.90	63.14	.323	9	.276	8
1005- 1 4	A10-01	.070	.006	.004	.061	7	14.5	-.06	-.00	-2.57	9.75	.055	6	.049	9
1006- 1 5	A10-01	.041	.005	.015	.020	8	10.7	1.19	-.00	-9.57	3.25	.040	7	.034	6
1007- 1 5	A10-01	.302	.008	.178	.176	7	0.0	-26.96	-.01	495.18	-54.96	.294	9	.266	6
1008- 6 3	DAL-01	.064	.009	.031	.049	9	15.0	-25.22	97.63	1004.15	1284.26	.058	8	.047	7
1009- 1 5	A10-01	.049	.007	.004	.037	7	0.0	1.48	.01	2.49	-5.96	.044	8	.043	9
1010- 1 6	A10-01	.279	.010	.120	.142	8	14.5	-6.20	.04	337.98	-43.88	.259	6	.190	7
1011- 1 8	A10-01	.300	.014	.178	.108	8	14.5	-6.90	.02	495.20	-32.68	.262	9	.141	6
1012- 6 5	DAL-01	.132	.007	.109	.017	7	15.0	-10.47	14.01	-2354.58	921.90	.111	6	.079	9
2011- 6 6	A10-01	.585	.003	.199	.324	7	0.0	29.50	.05	559.44	99.87	.542	6	.551	8
2012- 6 4	A10-01	.702	.103	.236	.302	7	0.0	-75.02	-.01	665.85	93.06	.664	6	.565	8
2013- 3 1	DAL-01	.426	.027	.591	.008	7	15.0	-86.45	-110.76	12024.31	-1357.06	.552	9	.470	6
2014- 303	103-01	.033	.006	.121	.507	7	32.6	4.80	3.58	697.16	-1428.37	.549	6	.261	8
2015- 203	A10-01	.512	.003	.219	.229	7	14.5	29.51	-.05	616.53	70.68	.445	9	.409	6
2016- 6 4	A10-01	.174	.004	.004	.163	7	14.5	-.06	-.00	-2.59	10.08	.058	6	.051	9
2017- 603	A10-01	.055	.007	.027	.041	7	14.5	-.78	-.00	4.46	-6.57	.052	8	.047	6
2018- 6 5	A21-01	.647	.004	.303	.217	7	0.0	39.50	-.03	1750.43	-106.25	.524	6	.470	9
2019- 3 3	DAL-01	.514	.053	.500	.001	8	15.0	-135.66	389.45	-11314.11	-359.93	.609	7	.541	9
2020- 3 5	103-01	.492	.154	.186	.152	9	32.6	125.24	20.90	635.84	-574.18	.460	7	.412	8
2021- 603	A10-01	.063	.010	.005	.048	8	14.5	-1.15	-.00	3.34	7.65	.048	7	.044	6
2022- 603	A10-01	.515	.116	.223	.178	8	14.5	54.06	.05	628.91	-54.92	.449	6	.401	7
2023- 603	A21-01	.395	.004	.358	.153	8	14.5	-44.32	.01	1706.56	-74.65	.449	9	.375	6
2024- 301	103-01	.436	.217	.121	.298	8	32.6	-113.49	-25.56	582.73	-879.65	.508	9	.446	7
2025- 306	DAL-01	.724	.056	.605	.009	7	15.0	-141.17	334.07	13490.79	-1551.35	.642	9	.610	8
3011- 303	103-01	.657	.113	.015	.511	6	29.0	-44.35	10.70	145.42	-927.06	.616	8	.585	7
3012- 306	103-01	.755	.251	.209	.254	7	29.0	-109.36	-9.93	684.62	-836.53	.750	6	.695	8
3013- 601	DAL-01	.047	.013	.007	.015	7	20.5	-35.40	-1099.83	-13628.84	2051.99	.645	9	.587	6
3014- 3 6	103-01	.577	.115	.235	.241	7	29.0	85.46	-20.29	598.72	606.08	.570	8	.531	9
3015- 603	DAL-01	.772	.056	.728	.003	8	20.5	-130.76	-835.18	14747.78	1011.46	.702	6	.694	9
3016- 606	DAL-01	1.003	.041	.904	.014	7	20.5	-210.66	301.75	-18394.69	2281.16	.856	9	.811	6
4011- 5 1	J13-01	.750	.295	.034	.402	9	4.6	1211.08	-520.38	-6099.77	-21037.42	.724	7	.551	8
4012- 511	P1-01	.323	.210	.073	.041	9	0.0	-1350.40	-701.26	-6124.30	4583.40	.285	7	.202	6
4013- 513	JL4-01	.815	.459	.111	.246	8	4.6	1885.77	710.89	-10013.77	14905.93	.767	6	.765	9
4014- 511	P1-01	.472	.340	.130	.002	8	4.6	-2184.36	694.65	-8826.20	970.15	.429	6	.340	9
4015- 516	JL4-01	.659	.570	.277	.012	7	4.6	2341.46	298.43	-14231.65	2975.04	.819	9	.725	6
4016- 512	P1-01	.508	.406	.198	.000	7	0.0	-2578.17	373.66	-13406.01	-196.24	.545	9	.508	6
5011- 512	103-01	.375	.208	.019	.151	9	15.1	-177.17	228.27	-202.57	565.75	.347	6	.325	7
5012- 514	103-01	.732	.335	.325	.072	9	0.0	299.41	103.33	1268.78	-597.17	.720	7	.647	8
5013- 601	JL3-01	.574	.253	.038	.383	7	0.0	-1039.72	209.83	6525.32	20185.75	.672	9	.519	8
5014- 602	203-01	.457	.242	.105	.140	6	0.0	284.06	-205.95	905.90	-1046.46	.447	8	.312	9
5015- 503	103-01	.361	.230	.021	.110	9	0.0	-181.04	-176.11	-211.03	481.45	.300	7	.193	8
5016- 504	103-01	.120	.014	.053	.054	8	0.0	-8.41	-100.75	134.24	135.82	.114	6	.113	9
5017- 505	103-01	.215	.054	.064	.097	8	0.0	-26.95	-55.39	-182.59	-223.55	.210	8	.145	7
5018- 503	103-01	.573	.235	.333	.007	8	0.0	-241.90	-27.40	1169.06	-172.06	.508	9	.472	6
5019- 603	JL3-01	.674	.359	.088	.227	8	0.0	1475.24	391.07	-8356.87	13430.28	.644	6	.622	7

10.07

U.S. NAVY - ACOE PLATFORM - PLATFORM NO. 2 - MSL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
503= 645 2[3-v1		.650	.533	.322	.001	8	0.0	582.04	11.11	1822.50	117.91	.610	9	.795	7
504= 505 1[5-v1		.196	.052	.042	.102	9	15.1	-26.00	-1.05	-159.55	217.53	.193	7	.156	6
505= 506 1[5-v1		.752	.369	.355	.007	7	15.1	-537.34	74.21	1267.56	180.76	.653	9	.614	6
506= 507 1[5-v1		.544	.176	.314	.054	6	15.1	152.77	-53.99	1199.55	495.22	.526	8	.490	7
507= 508 3[5-v1		.701	.490	.194	.013	7	0.0	2011.58	426.80	-10275.58	2611.41	.680	9	.607	8
508= 644 2[3-v1		.454	.515	.239	.100	7	0.0	562.51	90.50	1607.93	1038.73	.810	9	.648	6
51 = 710 M1-v1		.321	.211	.077	.033	9	0.0	-1339.21	-678.67	-5240.25	4073.52	.245	7	.195	6
511= 711 M1-v1		.473	.358	.113	.002	8	0.0	-2154.07	599.53	-8819.22	1026.21	.429	6	.336	9
512= 712 M1-v1		.503	.406	.177	.000	7	0.0	-2580.96	396.34	-11968.39	-149.77	.554	9	.490	6
513= 641 JL6-v1		.505	.277	.024	.204	9	0.0	1136.98	-712.44	-5705.25	-10886.97	.570	7	.551	8
514= 643 JL6-v1		.565	.555	.051	.119	8	0.0	1457.78	696.79	-4695.47	7155.57	.501	6	.432	9
515= 646 JL6-v1		.569	.469	.113	.005	7	0.0	2009.20	431.17	-5856.65	1307.54	.549	9	.529	8
516= 651 JL6-v1		.583	.276	.019	.089	9	0.0	1134.48	-712.44	-2197.22	-4905.49	.376	7	.197	8
562= 703 2[3-v1		.511	.242	.021	.248	8	21.9	204.96	-206.03	419.14	-1457.45	.493	8	.256	7
563= 653 JL6-v1		.409	.354	.017	.038	8	0.0	1455.23	666.79	-1514.65	2283.26	.392	6	.290	9
564= 701 2[3-v1		.658	.548	.000	.109	9	21.9	-551.01	-83.70	-30.52	-675.86	.641	7	.546	8
565= 706 2[3-v1		.593	.551	.002	.150	7	21.9	-554.15	116.63	-99.56	811.84	.654	9	.651	8
566= 650 JL6-v1		.543	.469	.054	.000	7	0.0	2006.59	431.03	-2721.09	85.08	.522	9	.479	6
567= 701 JL6-v1		.515	.209	.021	.006	9	0.0	1180.11	-1377.00	-1175.51	-612.95	.293	7	.150	8
568= 703 JL6-v1		.443	.363	.021	.059	6	7.1	-1492.42	-672.58	-2035.93	3454.95	.441	8	.270	7
569= 706 JL6-v1		.543	.407	.007	.049	7	7.1	2001.08	430.49	973.79	-2651.33	.525	9	.457	6
701= 702 137-v1		.458	.226	.016	.196	8	18.8	-88.11	20.39	-86.24	317.53	.368	6	.342	9
702= 704 137-v1		.304	.130	.014	.220	6	18.8	-36.03	-19.75	-80.03	-314.67	.305	8	.200	7
703= 651 JL7-v1		.409	.240	.017	.101	9	15.2	588.54	-404.45	1129.69	2730.05	.376	7	.207	6
704= 655 2[3-v1		.745	.549	.152	.044	7	0.0	-461.14	8.88	-816.37	-440.04	.653	9	.610	6
705= 703 137-v1		.401	.263	.065	.053	8	18.8	-76.04	-25.87	149.34	127.72	.389	9	.324	7
706= 704 137-v1		.136	.030	.000	.106	7	0.0	-0.05	6.56	1.03	100.34	.136	9	.030	8
707= 705 137-v1		.211	.050	.000	.160	6	0.0	-14.71	-1.61	-.23	-151.66	.203	8	.123	7
708= 703 137-v1		.270	.077	.017	.176	7	18.8	-22.05	15.81	-80.00	254.97	.258	9	.187	8
709= 651 2[3-v1		.819	.310	.029	.280	6	0.0	-260.22	6.53	-530.47	1636.84	.554	8	.207	7
710= 655 JL7-v1		.754	.598	.081	.075	8	0.0	1214.43	-248.09	2797.15	-2691.72	.752	6	.558	9
711= 705 137-v1		.222	.057	.000	.164	9	0.0	-10.71	1.07	5.20	155.31	.219	7	.215	8
712= 706 13 -v1		.293	.108	.003	.001	6	18.8	-49.19	26.27	130.76	-135.30	.255	7	.230	8
713= 708 13 -v1		.287	.140	.107	.040	7	18.8	-40.96	-20.08	173.49	106.66	.262	6	.196	8
714= 653 2[3-v1		.842	.548	.130	.164	9	0.0	-480.32	.41	-926.85	1043.74	.825	8	.716	7
715= 655 JL7-v1		.821	.668	.114	.019	7	0.0	1396.82	-200.69	3058.38	-1246.12	.802	9	.667	6
71 = 810 M2-v1		.240	.201	.034	.012	9	20.4	-1374.98	-679.36	3513.94	-2076.55	.183	7	.090	5
711= 811 M2-v1		.405	.322	.077	.006	8	20.4	-2199.94	-548.26	6961.82	1915.82	.351	6	.241	9
712= 812 M2-v1		.475	.385	.092	.000	7	20.4	-2016.85	-247.76	8021.15	-113.32	.412	9	.406	6
713= 812 1[8-v1		.400	.213	.018	.169	9	22.5	-54.12	27.30	-84.09	274.73	.319	8	.316	7
714= 814 1[8-v1		.474	.252	.012	.210	6	22.5	-64.10	-30.46	-71.92	-330.92	.383	7	.376	8
715= 9 1 JL8-v1		.357	.201	.012	.004	9	0.0	571.36	251.60	762.98	1727.08	.350	7	.169	6
716= 913 2[3-v1		.552	.266	.001	.295	8	55.9	-224.06	27.08	-76.55	1005.45	.501	6	.450	9
717= 803 1[8-v1		.346	.213	.017	.166	9	0.0	-54.33	-35.18	-79.45	269.21	.311	7	.275	8
718= 804 1[8-v1		.120	.020	.012	.084	9	0.0	0.09	-8.65	33.13	-89.07	.117	7	.031	6
719= 814 1[8-v1		.219	.045	.000	.174	6	0.0	-12.58	-8.79	-2.16	-184.50	.211	8	.129	7
720= 9 3 1[8-v1		.351	.165	.154	.012	8	0.0	-47.08	7.15	219.77	65.40	.252	9	.222	7
721= 913 JL8-v1		.443	.343	.006	.095	8	27.4	695.08	-156.02	-586.54	2434.02	.441	6	.293	9

80.5

STRAN MEMBER STRESS REPORT NO. 1

DATE 08/27/76

U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - MWL 95.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
[illegible]	[illegible]	.780	.601	.277	.002	6	0.0	-471.69	27.58	-1139.45	-105.86	.776	7	.685	8
[illegible]	[illegible]	.220	.050	.000	.170	9	22.5	-13.69	-2.56	-.15	160.24	.210	7	.200	6
[illegible]	[illegible]	.445	.271	.157	.034	7	22.5	-69.07	16.49	195.85	-106.64	.425	6	.301	8
[illegible]	[illegible]	.257	.107	.124	.046	6	22.5	36.32	-10.98	201.47	123.10	.226	8	.176	7
[illegible]	[illegible]	.947	.568	.168	.154	9	0.0	-429.01	-1.82	-972.51	-849.67	.657	7	.606	8
[illegible]	[illegible]	.527	.454	.095	.007	7	13.7	921.23	326.40	1723.29	563.69	.523	9	.494	6
[illegible]	[illegible]	.277	.193	.127	.054	9	27.4	-1545.17	551.13	-3654.02	-5338.87	.218	7	.151	8
[illegible]	[illegible]	.447	.329	.114	.006	8	27.4	-2220.26	-655.66	-10319.68	2373.74	.394	6	.319	9
[illegible]	[illegible]	.508	.387	.121	.000	7	27.4	-2057.24	628.50	-10500.65	-78.54	.442	9	.429	6
[illegible]	[illegible]	.479	.340	.005	.138	6	20.4	-110.75	-9.00	-56.15	-321.48	.324	8	.262	7
[illegible]	[illegible]	.515	.375	.008	.129	7	20.4	-129.94	-17.19	-63.55	-309.35	.367	9	.356	6
[illegible]	[illegible]	.098	.002	.012	.085	6	0.0	5.14	67.75	-841.98	2246.28	.098	9	.095	7
[illegible]	[illegible]	.452	.353	.105	.094	8	37.8	-257.50	75.13	-76.53	330.76	.381	6	.121	7
[illegible]	[illegible]	.735	.643	.103	.009	7	37.8	-432.52	-25.92	-301.40	-91.39	.593	9	.478	6
[illegible]	[illegible]	.431	.313	.001	.117	6	20.4	-107.07	20.57	-23.22	-278.68	.299	8	.247	7
[illegible]	[illegible]	.110	.017	.012	.081	9	0.0	5.60	-10.21	31.85	-82.05	.106	7	.055	8
[illegible]	[illegible]	.243	.045	.001	.197	6	0.0	-11.04	-6.21	-12.59	-186.48	.230	8	.142	7
[illegible]	[illegible]	.601	.478	.123	.000	8	0.0	-164.12	9.21	263.72	-6.07	.650	9	.572	7
[illegible]	[illegible]	.564	.462	.006	.134	6	0.0	-243.41	-22.12	-112.66	469.86	.413	8	.112	7
[illegible]	[illegible]	.165	.052	.000	.116	8	0.0	104.77	-659.14	92.47	2889.64	.160	6	.160	9
[illegible]	[illegible]	.714	.723	.191	.000	6	0.0	-480.06	2.64	-506.00	-2.99	.812	7	.700	8
[illegible]	[illegible]	.232	.049	.000	.183	9	20.4	-12.09	.19	-5.76	172.64	.224	7	.202	6
[illegible]	[illegible]	.579	.418	.150	.012	7	20.4	-145.46	25.14	249.58	-85.99	.327	6	.247	9
[illegible]	[illegible]	.554	.427	.024	.062	9	20.4	-146.08	9.59	-91.65	-208.56	.518	8	.401	6
[illegible]	[illegible]	.744	.532	.129	.084	9	0.0	-424.99	21.03	-411.29	-209.63	.639	7	.461	8
[illegible]	[illegible]	.458	.712	.119	.003	8	37.8	-478.57	17.52	-522.70	53.69	.768	9	.674	6
[illegible]	[illegible]	.144	.055	.009	.080	9	0.0	-107.20	102.98	-694.87	-2088.81	.142	7	.109	6
[illegible]	[illegible]	.555	.167	.540	.027	9	27.4	-1418.24	997.19	30912.51	-8716.77	.491	7	.177	8
[illegible]	[illegible]	.650	.264	.584	.002	8	27.4	-2242.64	-2084.18	51260.69	3066.35	.801	6	.542	9
[illegible]	[illegible]	.495	.413	.081	.000	7	27.4	-2055.67	146.28	54645.00	-30.12	.902	9	.000	6
[illegible]	[illegible]	.341	.274	.069	.037	9	0.0	-219.78	-27.78	119.29	-259.65	.279	7	.240	6
[illegible]	[illegible]	.341	.278	.070	.044	9	0.0	-207.67	-45.80	490.55	-421.81	.334	7	.213	6
1002-1003	[illegible]	.559	.452	.081	.036	8	30.3	-538.72	66.98	367.83	332.32	.427	6	.363	9
1002-1004	[illegible]	.159	.002	.111	.057	6	0.0	1.11	30.44	-215.09	-124.98	.149	8	.133	7
1002-1005	[illegible]	.158	.017	.141	.000	7	0.0	-6.38	-25.24	-236.59	1.87	.154	6	.143	9
1003-1005	[illegible]	.504	.355	.146	.004	8	0.0	-340.56	20.74	665.43	-125.61	.462	6	.423	9
1004-1005	[illegible]	.113	.031	.082	.019	8	0.0	-11.60	23.50	-119.71	66.71	.105	6	.091	9
1004-1006	[illegible]	.674	.524	.139	.011	7	30.3	-592.75	27.52	609.24	-202.57	.584	6	.472	9
1005-1006	[illegible]	.652	.506	.145	.001	7	30.3	-579.17	28.11	616.05	59.08	.596	6	.459	9

6.09

6.4 JOINT DEFLECTIONS AND ROTATIONS

STRAN - JOINT DEFLECTIONS AND ROTATIONS

DATE 08/27/76

LOAD CONDITION NO. 5

U.S. NAVY - ACRR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
101	3.24241	7.61371	-.12137	.00095	-.00057	.00209	
102	3.24354	6.66407	-.20521	.00080	-.00032	.00599	
103	3.24446	5.66521	-.24155	.00105	-.00021	.00682	
104	2.49386	7.12658	-.07709	.00116	-.00064	.00607	
105	2.49564	6.15149	-.15380	.00090	-.00016	.00519	
106	1.35[illegible]	6.63733	.00922	.00092	-.00068	.00439	
201	3.32345	7.79079	-.11994	.00102	-.00039	.00195	
202	3.31457	6.82078	-.27790	.00055	-.00033	.00592	
203	3.30445	5.86687	-.24005	.00108	-.00037	.00687	
204	2.49543	7.29492	-.11711	.00100	-.00068	.00589	
205	2.49431	6.34573	-.20800	.00072	-.00029	.00481	
206	1.[illegible]	6.81934	.04940	.00134	-.00071	.00643	
301	3.33571	7.81715	-.11577	-.00160	-.00018	.00176	
303	3.33449	5.80114	-.23947	-.00224	-.00026	.00718	
305	1.70230	6.83340	.09840	-.00211	-.00048	.00635	
401	3.27499	6.28401	-.04708	-.00359	.00103	.00339	
403	3.26[illegible]07	4.25654	-.23564	-.00216	.00068	.00521	
405	1.73243	5.19736	.12252	-.00207	.00062	.00548	
501	3.23[illegible]34	6.12678	-.08937	-.00249	.00056	.00359	
502	3.23[illegible]69	5.12346	-.15627	-.00050	-.00071	.00579	
503	3.20765	4.11739	-.19865	-.00145	.00074	.00514	
504	2.48524	5.59700	-.07217	.00104	.00094	.00524	
505	2.48[illegible]91	4.63936	-.08503	.00108	-.00084	.00515	
506	1.76244	5.10113	.07964	-.00101	.00052	.00546	
507	3.[illegible]575	6.21049	-.07155	-.00249	.00055	.00357	
508	3.33[illegible]75	4.01838	-.16868	-.00145	.00074	.00514	
509	1.57406	5.10705	.04117	-.00101	.00052	.00545	
510	3.22[illegible]32	6.08420	-.08929	-.00392	.00142	.00328	
511	3.21[illegible]55	4.10262	-.23758	-.00192	.00042	.00522	
512	1.[illegible]52	5.19477	.12125	-.00104	.00063	.00547	
513	3.32243	6.25229	-.06279	-.00127	-.00004	.00419	
514	3.33[illegible]69	3.96304	-.11485	-.00116	.00158	.00487	
601	3.24745	6.03074	-.07777	-.00133	.00017	.00376	
603	3.23[illegible]47	3.99378	-.16123	-.00066	.00065	.00505	
605	1.[illegible]44	5.00721	.03228	-.00118	.00042	.00541	
611	3.[illegible]69	6.03260	-.03083	-.00055	-.00013	.00421	
612	3.21446	5.24229	-.25410	.00545	.00003	.00524	
613	3.[illegible]14	3.99501	-.12789	-.00024	.00032	.00650	
641	3.20242	5.99997	-.06874	-.00070	.00005	.00377	
642	3.27947	5.19171	-.14977	-.00167	-.00012	.00456	
643	3.23947	3.91065	-.12702	-.00030	.00061	.00504	
644	2.[illegible]31	5.72175	-.00652	.00022	.00055	.00529	
645	2.30[illegible]24	4.48087	-.09757	.00040	-.00037	.00507	
646	1.51[illegible]55	4.93709	-.01118	-.00094	.00037	.00537	
651	3.20013	5.99950	-.06194	-.00047	.00011	.00370	
653	3.23927	3.[illegible]037	-.09529	-.00029	.00060	.00507	
655	1.42[illegible]48	4.[illegible]7843	-.05255	-.00085	.00035	.00533	
661	3.23900	6.00109	-.03955	-.00054	.00035	.00315	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6

U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
502	3.55561	7.00207	-.25815	.00448	.00039	.00509	
503	3.56455	3.94183	-.11705	.00443	.00075	.00728	
701	3.20749	5.00499	-.05580	-.00048	.00024	.00349	
702	3.20731	4.85092	-.17245	-.00045	-.00020	.00486	
703	3.21745	3.74895	-.05491	-.00054	.00061	.00517	
704	2.64382	5.00825	-.15556	.00019	-.00017	.00495	
705	2.65168	4.27705	-.10564	.00041	.00019	.00545	
706	1.31498	4.91358	-.10019	-.00005	.00025	.00528	
707	3.33200	4.17835	-.05501	-.00048	.00024	.00348	
708	3.28200	3.84297	-.05594	-.00054	.00061	.00514	
709	1.19522	4.81532	-.12134	-.00005	.00024	.00528	
710	2.71492	4.83446	-.08042	-.00517	.00240	.00261	
711	3.58415	3.42102	-.25295	-.00133	.00024	.00524	
712	1.23495	4.78753	.17613	-.00096	.00084	.00533	
801	3.14813	5.77591	-.07811	-.00191	.00115	.00278	
802	3.13761	4.80442	-.05016	-.00175	.00025	.00497	
803	3.12143	3.83410	.20563	-.00239	.00098	.00507	
804	1.44920	5.08400	-.32653	-.00052	.00048	.00473	
805	1.44883	3.72444	-.23523	-.00029	.00035	.00552	
806	.40524	4.58094	-.35101	-.00195	.00030	.00528	
807	3.10525	5.84006	-.07925	-.00191	.00115	.00279	
808	3.10412	2.93849	.25342	-.00239	.00098	.00507	
809	.78353	4.39805	-.33760	-.00195	.00080	.00524	
810	1.76132	3.25849	-.05320	-.00548	.00324	.00214	
811	3.20424	2.71962	-.26240	-.00169	.00160	.00492	
812	.78116	4.24011	.19491	-.00211	.00050	.00514	
901	2.76101	5.15947	-.06122	-.00236	.00127	.00249	
902	2.72117	3.61979	.10044	-.00210	.00050	.00525	
903	2.67508	1.92474	.44599	-.00208	.00157	.00482	
904	1.44405	4.56670	-.42587	-.00130	.00112	.00468	
905	1.40463	2.93549	-.17227	-.00078	.00086	.00558	
906	.29344	3.83348	-.61249	-.00208	.00147	.00469	
907	.27854	5.21951	-.05948	-.00236	.00127	.00249	
908	2.96267	1.93486	.50907	-.00269	.00157	.00478	
909	.15178	3.84870	-.65211	-.00269	.00147	.00467	
910	.77316	1.98502	-.00059	-.00471	.00205	.00205	
911	2.72909	1.97433	-.23401	-.00114	.00149	.00453	
912	.54052	3.52706	.17083	-.00193	.00028	.00448	
1001	2.52092	4.57032	-.04699	-.00212	.00082	.00250	
1002	2.51728	2.81611	.19717	-.00206	.00089	.00558	
1003	2.59908	.96852	.61114	-.00214	.00187	.00407	
1004	.44584	3.09522	-.44002	-.00257	.00221	.00543	
1005	.96851	1.92139	.00860	-.00133	.00116	.00495	
1006	-.53825	2.87524	-.78960	-.00305	.00197	.00417	
1007	2.55205	4.62496	-.03472	-.00211	.00082	.00244	
1008	2.44608	.88744	.67611	-.00214	.00187	.00402	
1009	-.52901	2.87745	-.80280	-.00304	.00198	.00413	
1010	-.50208	-.10514	-.02456	.00041	-.00295	.00272	OBLIQUE
1010	.16467	.46562	-.04152	-.00514	.00133	.00219	GLOBAL

6.12

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
1011	.10269	-2.40906	.25213	.00587	.00051	.00378	OBLIQUE
1011	2.04275	1.29751	-.14757	-.00283	.00515	.00381	GLOBAL
1012	.12490	2.44345	-.32442	-.00420	.00058	.00372	OBLIQUE
1012	.12490	2.51335	.09000	-.00620	-.00004	.00376	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.16908	8.20119	-.19266	.00104	-.00019	-.00198	
102	.16948	7.92055	-.26473	.00089	.00011	.00183	
103	.17078	7.63649	-.16775	.00117	.00018	.00389	
104	-.07408	8.06106	-.09701	.00126	-.00025	.00232	
105	-.07814	7.77706	-.10752	.00093	.00025	.00123	
106	-.32209	7.41807	.10790	.00094	-.00064	.00130	
201	.16223	8.40350	-.19125	.00120	-.00002	-.00213	
202	.17151	8.11759	-.27748	.00084	.00010	.00174	
203	.16058	7.86015	-.16522	.00165	.00002	.00398	
204	-.04353	8.24006	-.14118	.00105	-.00030	.00210	
205	-.04510	7.99101	-.16103	.00073	.00015	.00075	
206	-.22275	8.10552	.10490	.00147	-.00038	.00129	
301	.16428	8.34559	-.18671	-.00265	-.00003	-.00204	
303	.16063	7.89379	-.16592	-.00235	.00022	.00446	
306	-.16549	8.12988	.11840	-.00271	-.00054	.00102	
401	.19048	8.57779	-.18212	-.00385	.00049	-.00035	
403	.04150	8.02729	-.16378	-.00332	-.00046	.00177	
406	.03379	8.07405	.14845	-.00247	.00032	.00056	
501	.17488	8.19502	-.15563	-.00264	.00020	-.00021	
502	.14727	8.00107	-.13110	-.00061	.00038	.00093	
503	.11059	5.96239	-.13900	-.00228	-.00019	.00161	
504	.05545	6.05069	-.09457	.00143	.00153	.00067	
505	.04504	5.95965	-.08020	.00146	-.00098	.00023	
506	.04417	5.96351	.04596	-.00141	.00016	.00056	
507	.17255	8.20230	-.12643	-.00264	.00020	-.00021	
508	.13753	5.95863	-.11619	-.00228	-.00019	.00161	
509	.05147	5.97138	.05058	-.00141	.00016	.00056	
510	.16073	8.16814	-.17829	-.00367	.00083	-.00042	
511	.13501	5.83322	-.16307	-.00353	-.00083	.00182	
512	.04401	5.95609	.14854	-.00194	.00001	.00054	
513	.17715	8.20023	-.08862	-.00206	-.00080	.00030	
514	.14154	5.82404	-.08973	-.00132	.00052	.00109	
601	.16065	8.03429	-.12484	-.00173	-.00003	-.00005	
603	.13462	5.72801	-.11649	-.00115	.00003	.00144	
606	.02779	5.85204	.04183	-.00137	.00030	.00055	
611	.16761	8.03572	-.05935	-.00083	-.00016	-.00092	
612	.20709	7.51471	-.23200	.00579	-.00003	.00078	
613	.21044	5.72946	-.07536	-.00025	.00013	.00232	
641	.17067	5.93505	-.09724	-.00112	-.00014	-.00001	
642	.15497	6.12693	-.12715	-.00137	.00013	.00014	
643	.13743	5.85538	-.09719	-.00057	.00014	.00140	
644	.19429	5.99984	-.03400	.00029	.00068	.00072	
645	-.08106	5.83084	-.04267	-.00008	-.00100	.00080	
646	-.00941	5.77158	-.00771	-.00106	.00035	.00052	
651	.17494	5.86674	-.07146	-.00069	-.00015	-.00004	
653	.15067	5.80777	-.07422	-.00044	.00017	.00144	
656	-.03497	5.70359	-.05480	-.00049	.00032	.00048	
661	.16476	5.86850	-.03916	-.00065	-.00020	-.00158	

6.14

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MSL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
702	.20005	6.12200	-.23205	.00467	-.00002	.00063	
703	.21550	5.60952	-.07300	-.00021	.00019	.00297	
701	.10707	5.79455	-.04110	-.00086	-.00014	-.00017	
702	.10101	5.60006	-.10584	-.00059	-.00005	.00050	
703	.13518	5.58803	-.05869	-.00060	.00018	.00160	
704	.05572	5.71418	-.17301	.00025	-.00007	.00021	
705	.04479	5.56091	-.15999	.00036	.00019	.00095	
706	-.00701	5.66079	-.10935	-.00102	.00018	.00041	
707	.10474	5.79415	-.02792	-.00086	-.00014	-.00018	
708	.13457	5.51807	-.04599	-.00060	.00018	.00158	
709	-.07701	5.62999	-.13503	-.00102	.00017	.00043	
710	-.27253	4.95152	-.18486	-.00410	.00165	-.00078	
711	.59107	4.71761	-.18985	-.00364	-.00150	.00213	
712	-.22538	5.57348	.20893	-.00118	-.00001	.00042	
701	.20254	5.31945	.08381	-.00220	.00002	-.00072	
702	.17407	5.12501	-.02152	-.00190	.00005	.00065	
703	.14544	4.96329	.11804	-.00259	.00007	.00189	
704	.08408	5.19105	-.27240	-.00048	.00002	.00011	
705	.05813	5.03996	-.29811	-.00084	-.00019	.00041	
706	-.10005	5.08859	-.41727	-.00240	-.00029	.00049	
707	.19459	5.31354	.10942	-.00221	.00002	-.00069	
708	.16758	4.93451	.15002	-.00259	.00007	.00188	
709	-.05245	5.09700	-.47454	-.00240	-.00029	.00046	
710	-.73501	3.58735	-.16646	-.00428	.00114	-.00103	
711	.97468	3.00569	-.16484	-.00404	-.00059	.00212	
712	.00068	4.98275	.22525	-.00260	-.00005	.00048	
901	.15177	4.81405	.23797	-.00302	-.00007	-.00068	
902	.13515	4.19054	.15827	-.00248	.00001	.00086	
903	.17419	3.99201	.26065	-.00300	.00026	.00164	
904	.11159	4.26806	-.33094	-.00131	.00036	.00002	
905	-.00151	4.09579	-.41657	-.00126	-.00025	.00081	
906	.00047	4.13009	-.71834	-.00319	.00010	.00029	
907	.12174	4.01322	.27451	-.00303	-.00006	-.00067	
908	.14921	3.86776	.30081	-.00300	.00026	.00162	
909	.00109	4.19752	-.40101	-.00319	.00010	.00030	
910	-1.03047	2.22454	-.16524	-.00359	.00002	-.00081	
911	1.14174	2.08274	-.14720	-.00316	-.00049	.00167	
912	.00169	4.05861	.19096	-.00230	-.00004	.00050	
1001	.23046	3.38063	.34830	-.00315	-.00043	-.00044	
1002	.15014	3.23797	.30540	-.00336	.00004	.00064	
1003	.07718	2.96024	.30159	-.00240	.00045	.00133	
1004	-.00905	3.32761	-.35075	-.00244	.00103	.00065	
1005	-.01408	3.15060	-.17795	-.00207	-.00035	.00025	
1006	-.18034	3.07927	-.92039	-.00345	.00073	.00040	
1007	.22401	3.36098	.39521	-.00315	-.00043	-.00046	
1008	.09874	2.95911	.40011	-.00240	.00045	.00134	
1009	-.18060	3.08184	-1.00415	-.00345	.00073	.00039	
1010	-.42261	-1.40050	.13502	.00367	-.00223	-.00006	OBLIQUE
1011	-1.00555	1.06583	-.09715	-.00367	-.00223	.00043	GLOBAL

6.15

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7

DATE 08/27/76

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	.37879	-1.46275	.14826	.00306	.00184	.00102	OBLIQUE
1011	1.00159	1.25131	-.09437	-.00326	.00235	.00131	GLOBAL
1012	-.00010	2.86911	-.37729	-.00706	.00000	.00027	OBLIQUE
1012	-.00010	2.89210	.04952	-.00706	-.00004	.00026	GLOBAL

6.16

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STURM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	-3.10440	-7.53309	-.03829	-.00101	.00035	-.00045	
102	-3.10228	-6.89806	-.05150	-.00117	.00029	-.00405	
103	-3.09990	-6.05632	.06564	-.00106	.00028	-.00480	
104	-2.55059	-7.01665	-.22923	-.00090	.00025	-.00398	
105	-2.54965	-6.37765	-.15559	-.00065	.00051	-.00317	
106	-1.99670	-6.69975	-.24391	-.00077	.00067	-.00515	
201	-3.17107	-7.51110	-.03960	-.00105	.00020	-.00032	
202	-3.10213	-6.87400	-.09571	-.00112	.00027	-.00397	
203	-3.13266	-6.25334	.06727	-.00125	.00052	-.00484	
204	-2.53519	-7.17802	-.24545	-.00067	.00009	-.00377	
205	-2.53423	-6.56706	-.21009	-.00064	.00029	-.00275	
206	-2.13790	-6.48844	-.24204	-.00104	.00060	-.00521	
301	-3.14479	-7.53539	-.03552	.00171	.00014	.00004	
303	-3.23167	-6.24323	.07626	.00255	.00033	-.00516	
304	-2.62715	-6.99554	-.24049	.00226	.00018	-.00505	
401	-3.13484	-6.99476	-.03382	.00351	-.00099	-.00214	
403	-3.12435	-6.87256	.09423	.00238	-.00058	-.00387	
404	-2.62219	-6.10529	-.24344	.00223	-.00057	-.00426	
501	-3.16782	-6.43059	-.04567	.00246	-.00155	-.00234	
502	-3.11174	-6.09572	-.03021	.00044	.00055	-.00441	
503	-3.11127	-6.33545	.05550	.00102	-.00055	-.00380	
504	-2.51212	-6.44547	-.10094	-.00090	-.00110	-.00385	
505	-2.50363	-6.73902	-.04651	-.00160	.00094	-.00376	
506	-1.99342	-6.07794	-.20058	.00177	-.00071	-.00423	
507	-3.13702	-6.40648	-.00154	.00248	-.00054	-.00232	
508	-3.13448	-6.28457	.02533	.00102	-.00065	-.00380	
509	-1.98319	-6.08584	-.15837	.00177	-.00071	-.00423	
510	-3.09934	-6.01465	-.03978	.00379	-.00134	-.00205	
511	-3.11579	-6.31424	.09854	.00217	-.00030	-.00390	
512	-1.97555	-6.07284	-.24175	.00177	-.00092	-.00426	
513	-3.13788	-6.93703	-.07503	.00135	.00016	-.00294	
514	-3.17107	-6.22441	-.03422	.00132	-.00103	-.00349	
601	-3.09994	-6.74157	-.05755	.00137	-.00015	-.00252	
603	-3.09220	-6.21415	.01635	.00081	-.00061	-.00373	
604	-1.98975	-6.47484	-.15308	.00127	-.00055	-.00418	
611	-3.08592	-6.74302	-.14392	.00054	-.00017	-.00292	
612	-3.37245	-6.24014	-.23201	-.00523	-.00004	-.00387	
613	-3.30042	-6.21565	-.00068	.00045	.00005	-.00537	
641	-3.10421	-6.09480	-.06846	.00075	-.00003	-.00254	
642	-3.09297	-6.10627	-.02699	.00168	.00005	-.00328	
643	-3.07494	-6.13491	-.01875	.00043	-.00059	-.00373	
644	-2.75307	-6.24560	-.16134	-.00006	-.00064	-.00405	
645	-2.45344	-6.58816	-.06977	-.00034	.00042	-.00360	
646	-1.79763	-6.89484	-.10498	.00100	-.00046	-.00415	
651	-3.11410	-6.67821	-.07689	.00052	-.00012	-.00249	
653	-3.05871	-6.06956	-.05252	.00041	-.00058	-.00378	
654	-1.71919	-6.83435	-.06920	.00090	-.00040	-.00411	
661	-3.29978	-6.67965	-.13406	.00117	-.00067	-.00182	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 8

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	-3.31249	-4.96203	-.23205	-.00415	-.00039	-.00377	
603	-3.32435	-4.97093	-.06953	.00026	-.00049	-.00617	
701	-3.11725	-5.66659	-.08435	.00050	-.00027	-.00229	
702	-3.08209	-4.90862	-.17409	-.00021	.00018	-.00358	
703	-3.04115	-3.98315	-.09377	.00062	-.00057	-.00391	
704	-2.98467	-5.21451	-.17429	.00025	-.00049	-.00368	
705	-2.93513	-4.34999	-.10851	.00001	.00044	-.00418	
706	-1.63360	-4.78819	-.02198	.00093	-.00034	-.00408	
707	-3.14371	-5.71522	-.08487	.00050	-.00027	-.00229	
708	-3.08499	-4.90543	-.11305	.00063	-.00057	-.00387	
709	-1.53572	-4.76927	.00015	.00093	-.00034	-.00408	
710	-2.44595	-4.57891	-.04701	.00465	-.00268	-.00148	
711	-3.21458	-3.54994	.15742	.00184	-.00010	-.00403	
712	-1.46845	-4.72372	-.27654	.00102	-.00104	-.00419	
801	-2.94253	-5.36567	-.07080	.00195	-.00118	-.00165	
802	-2.92547	-4.33523	-.36929	.00098	-.00027	-.00368	
803	-2.90735	-3.30962	-.35898	.00236	-.00096	-.00390	
804	-2.87419	-4.82810	-.08858	.00100	-.00125	-.00349	
805	-2.86965	-3.82812	-.16109	.00077	.00050	-.00423	
806	-1.27103	-4.31150	-.22554	.00203	-.00076	-.00413	
807	-2.98884	-5.40751	-.06945	.00196	-.00119	-.00167	
808	-2.93715	-3.23844	-.40655	.00236	-.00096	-.00390	
809	-1.17841	-4.31478	-.27168	.00203	-.00077	-.00409	
810	-1.82911	-5.08400	-.03962	.00504	-.00298	-.00111	
811	-3.07844	-2.83845	.17045	.00204	-.00141	-.00381	
812	-.43868	-4.22913	-.27419	.00214	-.00093	-.00404	
901	-2.53240	-4.64361	-.09217	.00234	-.00150	-.00148	
902	-2.50725	-3.54972	-.43050	.00168	-.00051	-.00390	
903	-2.45746	-2.26085	-.59498	.00264	-.00151	-.00377	
904	-1.60161	-4.11949	.10322	.00156	-.00148	-.00341	
905	-1.59166	-2.96250	-.14822	.00106	-.00029	-.00426	
906	-.72533	-4.56185	.07977	.00274	-.00143	-.00365	
907	-.55525	-4.73511	-.09315	.00234	-.00130	-.00148	
908	-2.04104	-2.19823	-.66025	.00264	-.00150	-.00373	
909	-.61877	-3.57672	.55062	.00274	-.00143	-.00303	
910	-.73717	-1.57345	-.02710	.00434	-.00240	-.00112	
911	-2.03522	-2.03794	.14102	.00145	-.00129	-.00354	
912	-.46797	-3.46513	-.23742	.00197	-.00066	-.00351	
1001	-2.25100	-4.04807	-.10505	.00218	-.00087	-.00159	
1002	-2.25259	-2.74301	-.35608	.00279	-.00088	-.00419	
1003	-2.14085	-1.35004	-.78317	.00220	-.00190	-.00315	
1004	-1.12107	-3.39575	.29312	.00234	-.00210	-.00411	
1005	-1.11291	-2.07302	-.14296	.00136	-.00120	-.00360	
1006	.02468	-2.60010	.65571	.00298	-.00184	-.00322	
1007	-2.27359	-4.08869	-.11373	.00217	-.00087	-.00154	
1008	-2.17062	-1.29009	-.82957	.00220	-.00190	-.00312	
1009	.09575	-2.80202	.72818	.00298	-.00185	-.00319	
1010	.47508	.05302	-.03529	-.00026	.00262	-.00186	ORTIQUE
1010	-.10003	-.44075	-.02905	.00280	-.00132	-.00137	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6

DATE 08/27/76

U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	-.13748	2.35290	-.31854	-.00580	-.00066	-.00289	UNLIQUE
1011	-1.93597	-1.30678	.07282	.00305	-.00494	-.00296	GLOBAL
1012	-.14879	-2.44125	.20389	.00610	-.00070	-.00283	UNLIQUE
1012	-.14879	-2.45141	-.14104	.00610	-.00022	-.00290	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.06476	-7.75317	.03448	-.00111	-.00005	.00196	
102	.04077	-7.57508	-.05175	-.00126	-.00013	-.00053	
103	.04276	-7.59319	-.00713	-.00117	-.00012	-.00235	
104	.13957	-7.71570	-.20827	-.00100	-.00016	-.00098	
105	.10050	-7.67505	-.20546	-.00069	.00010	-.00019	
106	.12259	-7.67765	-.20671	-.00079	.00052	.00013	
201	.04422	-7.96127	.03597	-.00121	-.00020	.00205	
202	.10347	-7.86923	-.04507	-.00121	-.00016	-.00044	
203	.11205	-7.81249	-.00570	-.00140	.00010	-.00242	
204	.14547	-7.84297	-.21963	-.00071	-.00031	-.00079	
205	.14715	-7.84360	-.23464	-.00070	-.00016	.00022	
206	.13408	-7.83491	-.20468	-.00118	.00015	.00015	
301	.11509	-7.96015	.03923	.00226	.00009	.00227	
303	.11047	-7.84319	.00205	.00219	-.00014	-.00266	
305	.12496	-7.89595	-.20459	.00251	.00045	.00043	
401	.02897	-6.09596	.05408	.00362	-.00041	.00106	
403	.15869	-6.08264	.02051	.00324	.00062	-.00081	
405	-.10272	-5.97733	-.20594	.00246	-.00002	.00036	
501	.05869	-5.91355	.02603	.00267	-.00015	.00093	
502	.10705	-5.94051	-.05090	.00267	-.00015	.00005	
503	.12540	-5.92895	-.00367	.00223	.00033	-.00066	
504	.03240	-5.85957	-.08128	-.00133	-.00141	.00028	
505	.14367	-5.91534	-.12052	-.00151	.00105	.00072	
506	-.10144	-5.86172	-.22002	.00194	-.00015	.00035	
507	.06170	-5.91013	-.00230	.00267	-.00015	.00094	
508	.11441	-5.92048	-.02323	.00223	.00033	-.00067	
509	-.11059	-5.87014	-.17406	.00194	-.00015	.00055	
510	.06267	-5.89090	.05518	.00364	-.00072	.00113	
511	.11103	-5.89871	.02416	.00350	.00097	-.00068	
512	-.10427	-5.85569	-.20619	.00194	-.00004	.00037	
513	.06117	-5.90216	-.04903	.00196	.00098	.00038	
514	-.12115	-5.92117	-.05490	.00153	-.00058	-.00011	
601	.15443	-5.75802	-.00860	.00106	.00010	.00079	
603	.10763	-5.80555	-.02625	.00117	.00004	-.00051	
605	.09423	-5.74947	-.16745	.00138	-.00029	.00035	
611	.10193	-5.76028	-.12522	.00093	-.00008	.00188	
612	.04371	-7.23375	-.21920	-.00553	.00005	.00016	
613	.08549	-5.80723	-.10600	.00059	.00019	-.00160	
641	.05592	-5.85512	-.03502	.00110	.00019	.00076	
642	.10554	-5.83048	-.04294	.00127	-.00021	.00073	
643	.10494	-5.74009	-.04572	.00062	-.00009	-.00049	
644	-.12431	-5.77637	-.12494	-.00023	-.00067	.00013	
645	.13915	-5.83853	-.08509	.00013	.00103	.00011	
646	-.08991	-5.86701	-.11953	.00108	-.00035	.00037	
651	.04950	-5.57852	-.06357	.00090	.00018	.00079	
653	.10773	-5.69772	-.06400	.00051	-.00011	-.00055	
656	-.04953	-5.54958	-.07403	.00099	-.00033	.00040	
751	.10101	-5.58015	-.12543	.00115	-.00004	.00257	

6.20

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

U.S. NAVY - ACNP PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
802	.08887	-7.99123	-.21921	-.00429	.00005	.00029	
803	.07213	-5.89933	-.10412	.00079	.00013	-.00226	
701	.04509	-5.49718	-.09552	.00085	.00014	.00093	
702	.07417	-5.55482	-.17078	-.00009	.00001	.00039	
703	.11037	-5.64451	-.08411	.00064	-.00012	-.00072	
704	.01363	-5.51098	-.15296	.00015	-.00056	.00066	
705	.02454	-5.57497	-.16937	.00005	.00043	-.00007	
706	-.03176	-5.52118	-.02100	.00106	-.00021	.00045	
707	.05094	-5.48152	-.10453	.00085	.00014	.00093	
708	.10145	-5.63212	-.09625	.00064	-.00012	-.00071	
709	-.04309	-5.52460	.00412	.00106	-.00021	.00043	
710	.46459	-4.71807	.07410	.00383	-.00147	.00148	
711	-.35248	-4.79424	.06565	.00381	.00154	-.00127	
712	-.09754	-5.97243	-.31269	.00116	-.00013	.00043	
801	.05765	-4.98654	-.22948	.00221	-.00003	.00145	
802	.09563	-5.01959	-.37114	.00107	-.00006	.00023	
803	.11443	-5.09433	-.26249	.00254	-.00005	-.00108	
804	.00944	-4.96979	-.12766	.00068	-.00069	.00076	
805	.02031	-5.05068	-.10121	.00107	.00006	-.00003	
806	-.10102	-4.98276	-.27867	.00244	.00015	.00032	
807	.06940	-4.96547	-.25486	.00221	-.00013	.00141	
808	.10705	-5.08208	-.29303	.00254	-.00003	-.00106	
809	-.10436	-4.99142	.53674	.00244	.00035	.00034	
810	.59096	-3.91356	.04104	.00397	-.00093	.00169	
811	-.75555	-3.95523	.07105	.00426	.00076	-.00136	
812	-.07251	-4.06532	-.31343	.00259	-.00014	.00029	
901	.12070	-4.04865	-.39009	.00299	.00008	.00134	
902	.10861	-4.08569	-.46188	.00204	-.00001	.00005	
903	.09684	-4.06912	-.40234	.00295	-.00016	-.00112	
904	.01675	-4.02755	.00049	.00152	-.00071	.00084	
905	.02454	-4.12544	-.00399	.00151	.00065	.00014	
906	-.21494	-4.07226	.57458	.00525	-.00004	.00044	
907	.13548	-4.03404	-.42650	.00299	.00008	.00133	
908	.10104	-4.05935	-.43941	.00295	-.00016	-.00109	
909	-.22655	-4.08960	.65829	.00324	-.00004	.00042	
910	1.15985	-2.12453	.08206	.00526	-.00057	.00141	
911	-.95929	-2.09072	.05069	.00341	.00067	-.00120	
912	-.04048	-3.95976	-.26058	.00234	-.00016	.00038	
1001	.00397	-2.97933	-.50080	.00324	.00040	.00106	
1002	.11043	-3.14220	-.46129	.00348	-.00002	.00030	
1003	.18915	-3.19930	-.44914	.00241	-.00059	-.00070	
1004	.01554	-3.07615	.20951	.00259	-.00048	.00005	
1005	.02462	-3.18892	.04019	.00206	.00030	.00070	
1006	-.06310	-2.97950	.77436	.00333	-.00066	.00025	
1007	.05276	-2.96740	-.54801	.00324	.00040	.00107	
1008	.10467	-3.19129	-.53657	.00241	-.00059	-.00072	
1009	-.04166	-2.96149	.45530	.00353	-.00066	.00025	
1010	.39754	1.41263	-.20143	-.00377	.00193	.00064	OBLIQUE
1010	1.03724	-1.05713	.05371	.00344	.00237	.00094	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
1011	-.41610	1.52187	-.20385	-.00340	-.00202	-.00041	OBLIQUE
1011	-.95050	-1.02575	.01636	.00337	-.00199	-.00073	GLOBAL
1012	-.01391	-2.79403	.30994	.00686	-.00006	.00035	OBLIQUE
1012	-.01391	-2.80697	-.15361	.00686	-.00012	.00033	GLOBAL

CREST OFFSHORE, INC.

Sheet ____ of ____

By AOC Client U.S. NAVY Subject DESIGN OF 93' MCM STRUCTURE

Date 9-3-76 Job No. 22-771-95 Calculation SPACE FRAME ANALYSIS

6.5 REACTIONS

S T R A N - R E A C T I O N F O R C E S A N D M O M E N T S

LOAD CONDITION NO. 6
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	14.2720	24.9274	173.0628	1654.9136	13509.1337	-3020.3709	OBLIQUE
1010	-12.9904	-14.7548	174.8059	11145.3685	-8340.5975	-757.1427	GLOBAL
1011	-1.1206	434.1074	-1776.9111	51821.4078	-2673.0106	-4196.5492	OBLIQUE
1011	-823.5049	-561.0080	-1681.3026	-24210.4469	45859.5759	-4579.0662	GLOBAL
1012	-2.1960	-415.0458	2286.3604	-52278.4129	-2563.3298	-4129.7836	OBLIQUE
1012	-2.1960	-785.2720	2187.0192	-52278.4128	-1849.5207	-4495.0022	GLOBAL
TOTAL	-830.6913	-1161.0348	680.5224	-65343.4912	35669.4577	-9831.2112	

6.24

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	10.2425	280.4375	-951.5556	32099.4692	8544.9095	61.5492	OBLIQUE
1010	375.1549	-228.3124	-891.4790	-8748.9343	-32010.4584	1466.2444	GLOBAL
1011	-10.0725	293.7006	-1044.0472	34044.4334	-9016.2949	-1136.3542	OBLIQUE
1011	-394.4726	-239.9016	-982.3043	-9471.2595	33639.6669	-2603.9476	GLOBAL
1012	.1169	-480.4691	2658.9916	-59644.9980	-30.8560	-295.3496	OBLIQUE
1012	.1169	-891.3345	2547.1125	-59644.9980	18.1190	-296.4037	GLOBAL
TOTAL	-19.1466	-1359.5534	673.5292	-77865.1918	1846.6274	-1434.1069	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 8
DATE 08/27/76

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	-17.4794	-7.3109	269.8820	256.0022	-12565.9495	2063.6488	OBLIQUE
1010	-35.9654	40.9279	265.0034	-11159.1572	6140.1160	-31.4089	GLOBAL
1011	1.6917	-403.2098	2244.9640	-51260.9517	3670.3700	3207.0196	OBLIQUE
1011	665.4077	384.9142	2148.0625	23449.8903	-45651.5192	3668.3756	GLOBAL
1012	3.2853	426.0020	-1659.7717	50161.8003	3259.1052	3139.7341	OBLIQUE
1012	3.2853	727.9232	-1764.1044	50161.8002	2698.5925	3632.8082	GLOBAL
TOTAL	650.7296	1153.7702	648.9415	62452.5334	-36812.8107	7269.7749	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 9

DATE 08/27/76

U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	-10.1516	-260.6525	1419.5875	-30912.4969	-8715.7297	-705.8213	OBLIQUE
1010	-420.7190	257.9039	1356.0614	8101.0249	31014.0621	-2129.8388	GLOBAL
1011	11.4204	-263.5023	1430.0553	-31351.5240	9193.0352	453.4543	OBLIQUE
1011	424.1163	257.8672	1373.7439	7877.2542	-31650.3564	1959.4202	GLOBAL
1012	.5241	430.7751	-2184.3445	56521.1877	248.6335	-385.2077	OBLIQUE
1012	.5240	633.3376	-2075.5852	56521.1877	308.5784	-339.0915	GLOBAL
TOTAL	-2.0766	1349.1057	654.2201	72500.0868	-327.7159	-509.5100	

6.27

SECTION 7.0

TUBULAR JOINT ANALYSIS

7.1 INTRODUCTION

This section contains the analysis of all of the tubular joints of the structure. The tubular joints are separated into two groups, the Primary Joints and the Secondary Joints.

The Primary Joints are those joints involving the jacket legs. Section 7.2 displays the joint geometry and location for each of the Primary Joints. This section serves as a key to Section 7.3, the computer analysis of the Primary Joints.

The Secondary Joints are those joints involving the interior bracing at each of the horizontal levels. Section 7.4 displays the joint geometry and location for each of the Secondary Joints. This section serves as a key to Section 7.5, the computer analysis of the Secondary Joints.

The computer program used for the tubular joint analysis of this structure is a post-processor program for STRAN developed by Crest Offshore, Inc. This program is based on AISC and API criteria for stress in tubular members.

Reference Drawings:

3016290 Jacket - Elevations

3016291 Jacket - Plan at El. (+) 12'-0"

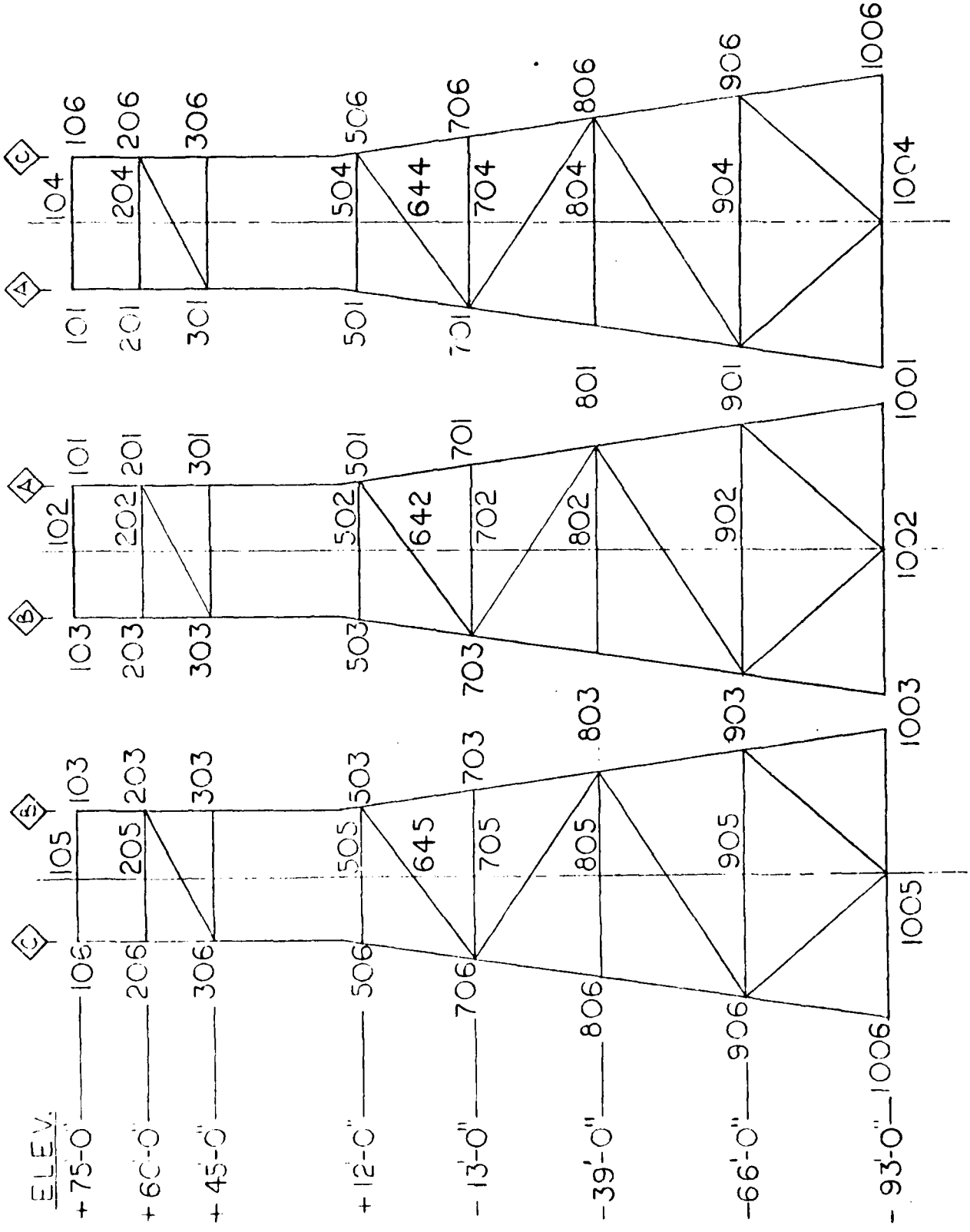
3016292 Jacket - Plan at El. (-) 13'-0" & (-) 39'-0"

3016293	Jacket - Plan at El. (-) 66'-0" & (-) 93'-0"
3016303	Superstructure - Elevations

CREST OFFSHORE, INC.

Sheet ___ of ____

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 1-28-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS



JOINT GEOMETRY – PRIMARY JOINTS

CREST OFFSHORE, INC.

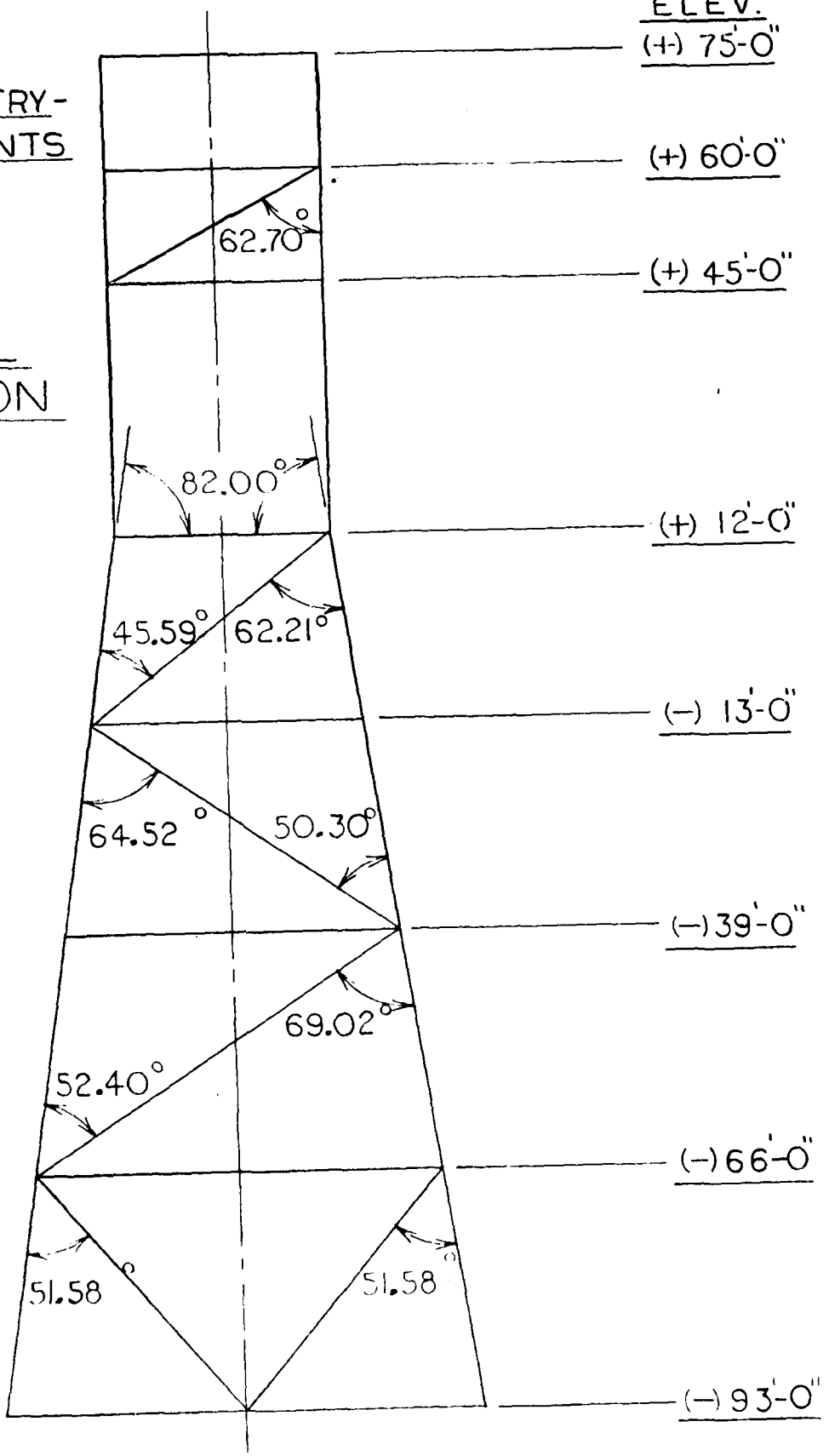
Sheet ___ of ____

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 7-29-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS

JOINT GEOMETRY-
PRIMARY JOINTS

TYPICAL
ELEVATION



CREST OFFSHORE, INC.

By RKO Client U.S. NAVY Subject DESIGN OF 93' MLM STRUCTURE
Date 9-3-26 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS

7.3 PUNCHING SHEAR ANALYSIS - PRIMARY JOINTS

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

INPUT DATA

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
201	301	30.000	1.250	1	=0.00	36
201	303	12.750	.500	1	62.70	36
203	303	30.000	1.250	1	=0.00	36
203	306	12.750	.500	1	62.70	36
206	306	30.000	1.250	1	=0.00	36
206	301	12.750	.500	1	62.70	36
201	301	30.000	1.250	2	=0.00	36
206	301	12.750	.500	2	62.70	36
301	306	12.750	.500	1	90.00	36
301	401	30.000	1.250	1	=0.00	36
301	306	12.750	.750	1	90.00	36
203	303	30.000	1.500	2	=0.00	36
201	303	12.750	1.000	2	62.70	36
301	303	12.750	.750	2	90.00	36
303	403	30.000	1.250	1	=0.00	36
301	303	12.750	.500	2	90.00	36
206	306	30.000	1.250	2	=0.00	36
203	306	12.750	.750	2	62.70	36
303	306	12.750	.750	2	90.00	36
306	406	30.000	1.250	1	=0.00	36
303	306	12.750	.750	2	90.00	36
[illegible]	[illegible]	[illegible]	1.750	2	=0.00	36
[illegible]	[illegible]	[illegible]	.750	1	81.82	36
[illegible]	[illegible]	[illegible]	.750	1	81.82	36
[illegible]	[illegible]	[illegible]	[illegible]	1	62.34	36
[illegible]	[illegible]	[illegible]	1.750	1	=0.00	36
[illegible]	[illegible]	[illegible]	.750	1	81.82	36
[illegible]	[illegible]	[illegible]	[illegible]	1	62.34	36
[illegible]	[illegible]	[illegible]	[illegible]	2	=0.00	36
[illegible]	[illegible]	[illegible]	.750	2	81.82	36
[illegible]	[illegible]	[illegible]	.750	1	81.82	36
[illegible]	[illegible]	[illegible]	[illegible]	1	62.34	36
[illegible]	[illegible]	[illegible]	1.750	1	=0.00	36
[illegible]	[illegible]	[illegible]	.750	2	81.82	36
[illegible]	[illegible]	[illegible]	.750	2	81.82	36
[illegible]	[illegible]	[illegible]	[illegible]	1	62.34	36
[illegible]	[illegible]	[illegible]	1.750	1	=0.00	36
[illegible]	[illegible]	[illegible]	.750	2	81.82	36
[illegible]	[illegible]	[illegible]	.750	2	81.82	36
[illegible]	[illegible]	[illegible]	[illegible]	1	62.34	36
[illegible]	[illegible]	[illegible]	1.500	2	=0.00	36
[illegible]	[illegible]	12.75	.375	1	81.82	36
[illegible]	[illegible]	[illegible]	.750	2	35.82	36
[illegible]	[illegible]	12.75	.375	1	81.82	36
[illegible]	[illegible]	[illegible]	.750	1	64.87	36
[illegible]	[illegible]	[illegible]	[illegible]	1	=0.00	36
[illegible]	[illegible]	[illegible]	.375	1	81.82	36

7-06

[illegible]	[illegible]	[illegible]	[illegible]	2	35.82	36
[illegible]	[illegible]	12,750	.375	1	81.82	36
[illegible]	[illegible]	[illegible]	.750	1	64.87	36
803	[illegible]	47,000	1.500	2	=0.00	36
804	[illegible]	[illegible]	.750	2	45.98	36
[illegible]	[illegible]	12,750	.375	2	81.82	36
[illegible]	[illegible]	[illegible]	.750	1	64.87	36
[illegible]	[illegible]	12,750	.375	1	81.82	36
[illegible]	[illegible]	[illegible]	1.500	1	=0.00	36
804	[illegible]	[illegible]	.750	2	45.98	36
[illegible]	[illegible]	12,750	.375	2	81.82	36
[illegible]	801	[illegible]	.750	1	64.87	36
[illegible]	[illegible]	12,750	.375	1	81.82	36
[illegible]	[illegible]	47,000	1.500	1	=0.00	36
804	[illegible]	[illegible]	.750	2	45.98	36
[illegible]	[illegible]	12,750	.375	2	81.82	36
[illegible]	801	20,000	.750	1	64.87	36
[illegible]	[illegible]	12,750	.375	2	81.82	36
806	[illegible]	47,000	1,500	2	=0,00	36
804	[illegible]	[illegible]	.750	2	45.98	36
[illegible]	[illegible]	12,750	.375	2	81.82	36
[illegible]	803	20,000	.750	1	64.87	36
[illegible]	[illegible]	12,750	.375	2	81.82	36
D 801	801	47,000	1,500	2	=0,00	36
801	804	12,750	.375	1	81.82	36
[illegible]	801	20,000	.750	2	50,50	36
D 801	802	12,750	.375	1	81.82	36
801	903	20,000	.750	1	69,03	36
801	901	47,000	1,500	1	=0,00	36
D 801	804	12,750	.375	1	81.82	36
703	801	20,000	.750	2	50,50	36
801	802	12,750	.375	1	81.82	36
D 801	903	20,000	.750	1	69,03	36
703	803	47,000	1,500	2	=0,00	36
802	803	12,750	.375	2	81.82	36
D 706	803	20,000	.755	2	50,50	36
803	805	12,750	.375	1	81.82	36
803	906	20,000	.755	1	69,03	36
D 803	903	47,000	1,500	1	=0,00	36
802	803	12,750	.375	2	81.82	36
706	803	20,000	.750	2	50,50	36
D 803	805	12,750	.375	1	81.82	36
803	906	20,000	.750	1	69,03	36
706	806	47,000	1,500	2	=0,00	36
D 805	806	12,750	.375	2	81.82	36
701	806	20,000	.750	2	50,50	36
804	806	12,750	.375	2	81.82	36
D 806	901	20,000	.750	1	69,03	36
806	906	47,000	1,500	1	=0,00	36
805	806	12,750	.375	2	81.82	36
D 701	806	20,000	.750	2	50,50	36
804	806	12,750	.375	2	81.82	36
806	901	20,000	.750	1	69,03	36
D 801	901	47,000	1,375	2	=0,00	36
806	901	20,000	.625	2	52,67	36
901	902	14,000	.500	1	81,82	36
D 901	904	14,000	.500	1	81,82	36
901	1004	16,000	.750	1	51,98	36
901	1002	16,000	.750	1	51,98	36
D 901	1001	47,000	1,375	1	=0,00	36
806	901	20,000	.625	2	52,67	36
901	902	14,000	.500	1	81,82	36
D 901	904	14,000	.500	1	81,82	36
901	1004	16,000	.750	1	51,98	36
901	1002	16,000	.750	1	51,98	36
D 803	903	47,000	1,375	2	=0,00	36

107

901	903	20.000	.500	2	52.67	36
902	903	14.000	.500	2	81.82	36
903	907	14.000	.500	1	81.82	36
903	1005	16.000	.750	1	51.98	36
903	1002	16.000	.750	1	51.98	36
903	1003	47.000	1.375	1	-0.00	36
801	903	20.000	.500	2	52.67	36
902	903	14.000	.500	2	81.82	36
903	905	14.000	.500	1	81.82	36
903	1005	16.000	.750	1	51.98	36
903	1002	16.000	.750	1	51.98	36
806	906	47.000	1.375	2	-0.00	36
803	906	20.000	.625	2	52.67	36
905	906	14.000	.500	2	81.82	36
904	906	14.000	.500	2	81.82	36
906	1005	16.000	.750	1	51.98	36
906	1004	16.000	.750	1	51.98	36
906	1006	47.000	1.375	1	-0.00	36
803	906	20.000	.625	2	52.67	36
905	906	14.000	.500	2	81.82	36
904	906	14.000	.500	2	81.82	36
906	1005	16.000	.750	1	51.98	36
906	1004	16.000	.750	1	51.98	36
901	1001	46.000	1.250	2	-0.00	36
1001	1002	20.000	.625	1	81.82	36
1001	1004	20.000	.625	1	81.82	36
903	1003	46.000	1.250	2	-0.00	36
1002	1003	20.000	.625	2	81.82	36
1003	1005	20.000	.625	1	81.82	36
906	1006	46.000	1.250	2	-0.00	36
1004	1006	20.000	.625	2	81.81	36
1005	1006	20.000	.625	2	81.81	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.275000E+01	5.000000E-01	1.924226E+01	5.671276E+01	3.600000E+01
2	1.275000E+01	7.500000E-01	2.827434E+01	8.014525E+01	3.600000E+01
3	1.275000E+01	1.000000E+00	3.691372E+01	1.006532E+02	3.600000E+01
4	1.600000E+01	7.500000E-01	3.593197E+01	1.308850E+02	3.600000E+01
5	2.000000E+01	1.000000E+00	5.969027E+01	2.700984E+02	3.600000E+01
6	1.275000E+01	3.750000E-01	1.457896E+01	4.381725E+01	3.600000E+01
7	2.000000E+01	7.500000E-01	4.535675E+01	2.104127E+02	3.600000E+01
8	2.000000E+01	7.500000E-01	4.564727E+01	2.116549E+02	3.600000E+01
9	2.000000E+01	6.250000E-01	3.804273E+01	1.786967E+02	3.600000E+01
10	1.600000E+01	5.000000E-01	2.120575E+01	6.910801E+01	3.600000E+01
11	2.000000E+01	5.000000E-01	3.063053E+01	1.456864E+02	3.600000E+01

LOAD CASE	LOAD FACTOR
6	1.330
7	1.330
8	1.330
9	1.330

END OF INFORMATION READ - FORCE

600 RECORDS TO BE SORTED

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-STRESS-/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201	301	201	6	30.00	1.250	.521	1.793		
			201 303	12.75	.500	.032	8.200	2.785	9.625
201	301	201	7	30.00	1.250	.570	1.828		
			201 303	12.75	.500	.317	12.144	4.213	9.625
201	301	201	8	30.00	1.250	.432	.273		
			201 303	12.75	.500	.241	2.783	1.020	9.625
201	301	201	9	30.00	1.250	.403	.420		
			201 303	12.75	.500	.122	1.800	.649	9.625
203	303	203	6	30.00	1.250	.056	2.044		
			203 306	12.75	.500	6.709	5.008	3.881	9.625
203	303	203	7	30.00	1.250	.019	2.278		
			203 306	12.75	.500	7.267	6.206	4.468	9.625
203	303	203	8	30.00	1.250	1.149	.514		
			203 306	12.75	.500	7.307	9.647	5.645	9.625
203	303	203	9	30.00	1.250	1.092	.409		
			203 306	12.75	.500	6.578	8.743	5.102	9.625
206	306	206	6	30.00	1.250	1.021	1.113		
			206 301	12.75	.500	6.254	6.961	4.393	9.625
206	306	206	7	30.00	1.250	1.214	1.524		
			206 301	12.75	.500	8.935	10.536	6.476	9.625
206	306	206	8	30.00	1.250	.182	2.720		
			206 301	12.75	.500	5.855	8.377	4.742	9.625
206	306	206	9	30.00	1.250	.018	3.232		
			206 301	12.75	.500	8.107	6.245	4.755	9.625
201	301	201	6	30.00	1.250	.558	11.527		
			206 301	12.75	.500	6.183	5.899	4.011	9.625
			301 306	12.75	.500	4.781	10.921	6.281	9.625

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS /- -S T R E S S - -/		CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR	
						AXIAL	BENDING			
201	301	301	7		30.00	1.250	.606	15.531		
			206	301	12.75	.500	8.865	6.724	5.164	9.040
			301	306	12.75	.500	5.683	8.615	5.799	9.040
201	301	301	8		30.00	1.250	.468	10.799		
			206	301	12.75	.500	5.924	18.605	8.226	9.625 BRACE STRESS EXCEEDS 20 KSI
			301	306	12.75	.500	4.866	14.396	7.705	9.625
201	301	301	9		30.00	1.250	.439	14.062		
			206	301	12.75	.500	8.179	6.079	4.722	9.314
			301	306	12.75	.500	4.652	12.265	6.767	9.314
301	401	301	6		30.00	1.250	1.238	11.627		
			301	306	12.75	.750	3.253	7.728	6.589	9.588
301	401	301	7		30.00	1.250	.315	15.655		
			301	306	12.75	.750	3.868	6.238	6.063	9.068
301	401	301	8		30.00	1.250	.034	11.896		
			301	306	12.75	.750	3.311	10.187	8.099	9.625
301	401	301	9		30.00	1.250	1.017	15.259		
			301	306	12.75	.750	3.166	8.679	7.107	9.016
203	303	303	6		30.00	1.500	.077	12.349		
			201	303	12.75	1.000	.053	14.734	8.339	11.003
			301	303	12.75	.750	1.745	11.709	6.727	11.003
203	303	303	7		30.00	1.500	.046	13.433		
			201	303	12.75	1.000	.130	15.791	8.977	10.842
			301	303	12.75	.750	.337	12.099	6.218	10.842
203	303	303	8		30.00	1.500	.997	12.418		
			201	303	12.75	1.000	.089	6.455	3.689	10.855
			301	303	12.75	.750	1.810	11.714	6.762	10.855
203	303	303	9		30.00	1.500	.948	11.755		
			201	303	12.75	1.000	.027	4.713	2.673	10.991
			301	303	12.75	.750	.256	10.697	5.477	10.991
303	403	303	6		30.00	1.250	.263	14.107		
			301	303	12.75	.500	2.565	16.546	7.648	9.336

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	-S T R E S S - AXIAL	-S T R E S S - BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
303	403	303	7		30.00	1.250	.147	15.237		
			301	303	12.75	.500	.496	17.098	7.037	9.166
303	403	303	8		30.00	1.250	1.230	14.968		
			301	303	12.75	.500	2.659	16.554	7.685	9.029
303	403	303	9		30.00	1.250	1.209	14.270		
			301	303	12.75	.500	.377	15.117	6.198	9.150
206	306	306	6		30.00	1.250	1.057	14.027		
			203	306	12.75	.750	4.613	4.658	4.619	9.216
			303	306	12.75	.750	2.848	7.645	6.296	9.216
206	306	306	7		30.00	1.250	1.250	17.429		
			203	306	12.75	.750	4.993	6.110	5.542	8.614
			303	306	12.75	.750	2.244	10.630	7.725	8.614
206	306	306	8		30.00	1.250	.218	15.556		
			203	306	12.75	.750	4.924	7.610	6.269	9.101
			303	306	12.75	.750	3.024	5.712	5.241	9.101
206	306	306	9		30.00	1.250	.054	17.608		
			203	306	12.75	.750	4.429	10.690	7.591	8.784
			303	306	12.75	.750	2.161	8.705	6.531	8.784
306	406	306	6		30.00	1.250	1.637	15.557		
			303	306	12.75	.750	2.848	7.645	6.296	8.863
306	406	306	7		30.00	1.250	1.920	19.365		
			303	306	12.75	.750	2.244	10.630	7.725	8.177
306	406	306	8		30.00	1.250	.201	15.567		
			303	306	12.75	.750	3.024	5.712	5.241	9.101
306	406	306	9		30.00	1.250	.311	17.619		
			303	306	12.75	.750	2.161	8.705	6.531	8.739
401	501	501	6		48.00	1.750	.172	9.003		
			501	504	16.00	.750	7.520	8.615	6.606	8.733
			501	502	16.00	.750	1.455	7.582	3.682	8.733
			501	642	20.00	1.000	4.434	5.124	4.527	8.733

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
401	501	501	7		48.00	1.750	4.167	8.269		
			501	504	16.00	.750	8.742	9.637	7.527	8.733
			501	502	16.00	.750	3.700	4.632	3.410	8.733
			501	642	20.00	1.000	.189	6.173	3.066	8.733
401	501	501	8		48.00	1.750	.724	8.618		
			501	504	16.00	.750	6.939	9.699	6.807	8.733
			501	502	16.00	.750	.533	6.408	2.824	8.733
			501	642	20.00	1.000	4.240	4.495	4.134	8.733
401	501	501	9		48.00	1.750	4.763	7.721		
			501	504	16.00	.750	8.082	10.714	7.692	8.733
			501	502	16.00	.750	4.931	4.233	3.756	8.733
			501	642	20.00	1.000	.187	6.311	3.132	8.733
501	601	501	6		48.00	1.750	.868	8.097		
			501	504	16.00	.750	7.520	8.615	6.606	8.733
			501	502	16.00	.750	1.455	7.582	3.682	8.733
			501	642	20.00	1.000	4.434	5.124	4.527	8.733
501	601	501	7		48.00	1.750	4.089	7.457		
			501	504	16.00	.750	8.742	9.637	7.527	8.733
			501	502	16.00	.750	3.700	4.632	3.410	8.733
			501	642	20.00	1.000	.189	6.173	3.066	8.733
501	601	501	8		48.00	1.750	1.298	7.771		
			501	504	16.00	.750	6.939	9.699	6.807	8.733
			501	502	16.00	.750	.533	6.408	2.824	8.733
			501	642	20.00	1.000	4.240	4.495	4.134	8.733
501	601	501	9		48.00	1.750	4.530	6.947		
			501	504	16.00	.750	8.082	10.714	7.692	8.733
			501	502	16.00	.750	4.931	4.233	3.756	8.733
			501	642	20.00	1.000	.187	6.311	3.132	8.733
403	503	503	6		48.00	1.750	6.919	6.001		
			502	503	16.00	.750	.853	3.740	1.872	8.691
			503	505	16.00	.750	5.059	7.073	4.963	8.691
			503	645	20.00	1.000	9.357	5.571	7.024	8.691
403	503	503	7		48.00	1.750	4.341	8.641		
			502	503	16.00	.750	3.844	2.857	2.749	8.681
			503	505	16.00	.750	3.759	7.782	4.715	8.681
			503	645	20.00	1.000	9.289	5.746	7.077	8.681

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLH STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
403	503	503	8		48.00	1.750	7.408	6.330		
			502	503	16.00	.750	.069	5.114	2.107	8.566
			503	505	16.00	.750	5.619	9.179	6.051	8.566
			503	645	20.00	1.000	9.751	6.762	7.781	8.566
403	503	503	9		48.00	1.750	4.672	8.432		
			502	503	16.00	.750	5.055	2.863	3.251	8.663
			503	505	16.00	.750	4.086	9.142	5.403	8.663
			503	645	20.00	1.000	9.040	6.604	7.376	8.663
503	603	503	6		48.00	1.750	5.472	5.419		
			502	503	16.00	.750	.853	3.740	1.872	8.733
			503	505	16.00	.750	5.059	7.073	4.963	8.733
			503	645	20.00	1.000	9.357	5.571	7.024	8.733
503	603	503	7		48.00	1.750	2.983	7.751		
			502	503	16.00	.750	3.844	2.857	2.749	8.733
			503	505	16.00	.750	3.759	7.782	4.715	8.733
			503	645	20.00	1.000	9.269	5.746	7.077	8.733
503	603	503	8		48.00	1.750	5.802	5.578		
			502	503	16.00	.750	.069	5.114	2.107	8.733
			503	505	16.00	.750	5.619	9.179	6.051	8.733
			503	645	20.00	1.000	9.751	6.762	7.781	8.733
503	603	503	9		48.00	1.750	3.233	7.471		
			502	503	16.00	.750	5.055	2.863	3.251	8.733
			503	505	16.00	.750	4.086	9.142	5.403	8.733
			503	645	20.00	1.000	9.040	6.604	7.376	8.733
406	506	506	6		48.00	1.750	7.881	4.196		
			505	506	16.00	.750	4.252	9.914	5.785	8.733
			504	506	16.00	.750	7.810	7.627	6.406	8.733
			506	644	20.00	1.000	6.540	6.918	6.368	8.733
406	506	506	7		48.00	1.750	9.208	5.125		
			505	506	16.00	.750	2.963	9.905	5.249	8.476
			504	506	16.00	.750	9.388	9.781	7.852	8.476
			506	644	20.00	1.000	9.424	7.087	7.786	8.476
406	506	506	8		48.00	1.750	7.494	4.438		
			505	506	16.00	.750	4.810	8.807	5.565	8.733
			504	506	16.00	.750	7.218	6.262	5.525	8.733
			506	644	20.00	1.000	6.541	6.163	6.004	8.733

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	-STRESS-/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
406	506	506	9		48.00	1.750	8,714	4,962		
			505	506	16.00	.750	3,309	7,972	4,607	8,576
			504	506	16.00	.750	8,716	7,879	6,802	8,576
			506	644	20.00	1.000	9,244	6,162	7,257	8,576
506	606	506	6		48.00	1.750	6,985	2,995		
			505	506	16.00	.750	4,252	9,914	5,785	8,733
			504	506	16.00	.750	7,810	7,827	6,406	8,733
			506	644	20.00	1.000	6,540	6,916	6,368	8,733
506	606	506	7		48.00	1.750	7,911	3,737		
			505	506	16.00	.750	2,963	9,905	5,249	8,733
			504	506	16.00	.750	9,388	9,781	7,852	8,733
			506	644	20.00	1.000	9,424	7,087	7,786	8,733
506	606	506	8		48.00	1.750	6,665	3,446		
			505	506	16.00	.750	4,810	8,807	5,565	8,733
			504	506	16.00	.750	7,218	6,262	5,525	8,733
			506	644	20.00	1.000	6,541	6,163	6,004	8,733
506	606	506	9		48.00	1.750	7,501	3,828		
			505	506	16.00	.750	3,309	7,972	4,607	8,733
			504	506	16.00	.750	8,716	7,879	6,802	8,733
			506	644	20.00	1.000	9,244	6,162	7,257	8,733
651	701	701	6		47.00	1.500	1,161	.918		
			701	702	12.75	.375	4,145	3,732	1,883	7,930
			644	701	20.00	.750	8,612	4,772	2,901	7,930
			701	704	12.75	.375	2,607	2,493	1,219	7,930
			701	806	20.00	.750	6,319	4,522	4,576	7,930
651	701	701	7		47.00	1.500	5,205	.225		
			701	702	12.75	.375	3,358	2,930	1,504	7,930
			644	701	20.00	.750	12,407	3,395	3,353	7,930
			701	704	12.75	.375	.506	1,535	.486	7,930
			701	806	20.00	.750	10,167	4,408	6,134	7,930
651	701	701	8		47.00	1.500	1,474	.932		
			701	702	12.75	.375	4,535	2,309	1,640	7,930
			644	701	20.00	.750	8,602	4,750	2,894	7,930
			701	704	12.75	.375	1,960	3,586	1,322	7,930
			701	806	20.00	.750	6,164	4,982	4,708	7,930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLM STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
651	701	701	9		47.00	1.500	5.518	.202		
			701	702	12.75	.375	4.184	2.943	1.706	7.930
			644	701	20.00	.750	12.162	3.217	3.261	7.930
			701	704	12.75	.375	.525	3.970	1.068	7.930
			701	806	20.00	.750	10.184	5.637	6.668	7.930
701	801	701	6		47.00	1.500	.640	.799		
			701	702	12.75	.375	4.145	3.732	1.883	7.930
			644	701	20.00	.750	8.612	4.772	2.901	7.930
			701	704	12.75	.375	2.607	2.493	1.219	7.930
			701	806	20.00	.750	6.319	4.522	4.576	7.930
701	801	701	7		47.00	1.500	2.463	.311		
			701	702	12.75	.375	3.358	2.930	1.504	7.930
			644	701	20.00	.750	12.407	3.395	3.353	7.930
			701	704	12.75	.375	.506	1.535	.486	7.930
			701	806	20.00	.750	10.167	4.408	6.134	7.930
701	801	701	8		47.00	1.500	.389	.648		
			701	702	12.75	.375	4.535	2.309	1.640	7.930
			644	701	20.00	.750	8.602	4.750	2.894	7.930
			701	704	12.75	.375	1.960	3.586	1.322	7.930
			701	806	20.00	.750	6.164	4.982	4.708	7.930
701	801	701	9		47.00	1.500	2.757	.364		
			701	702	12.75	.375	4.184	2.943	1.706	7.930
			644	701	20.00	.750	12.162	3.217	3.261	7.930
			701	704	12.75	.375	.525	3.970	1.068	7.930
			701	806	20.00	.750	10.184	5.637	6.668	7.930
653	703	703	6		47.00	1.500	6.960	1.697		
			642	703	20.00	.750	5.842	7.207	3.966	7.930
			702	703	12.75	.375	4.878	3.139	1.919	7.930
			703	801	20.00	.750	5.737	8.178	5.898	7.930
			703	705	12.75	.375	.984	2.448	.817	7.930
653	703	703	7		47.00	1.500	3.863	1.449		
			642	703	20.00	.750	.255	6.580	2.149	7.930
			702	703	12.75	.375	3.327	2.194	1.322	7.930
			703	801	20.00	.750	.327	6.693	3.003	7.930
			703	705	12.75	.375	1.549	2.603	.990	7.930

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLN STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
653	703	703	8		47.00	1.500	7,062	1.546		
			642	703	20.00	.750	5,575	7,027	3,832	7,930
			702	703	12.75	.375	5,271	4,485	2,333	7,930
			703	801	20.00	.750	5,501	8,731	6,037	7,930
			703	705	12.75	.375	1,018	4,778	1,378	7,930
653	703	703	9		47.00	1.500	3,870	1.295		
			642	703	20.00	.750	.250	6,420	2,097	7,930
			702	703	12.75	.375	4,148	2,411	1,571	7,930
			703	801	20.00	.750	.144	6,655	2,996	7,930
			703	705	12.75	.375	1,684	4,543	1,483	7,930
703	803	703	6		47.00	1.500	5,561	1,473		
			642	703	20.00	.750	5,842	7,207	3,966	7,930
			702	703	12.75	.375	4,878	3,139	1,919	7,930
			703	801	20.00	.750	5,737	8,178	5,898	7,930
			703	705	12.75	.375	.984	2,448	.817	7,930
703	803	703	7		47.00	1.500	3,790	1.204		
			642	703	20.00	.750	.255	6,580	2,149	7,930
			702	703	12.75	.375	3,327	2,194	1,322	7,930
			703	801	20.00	.750	.327	6,693	3,005	7,930
			703	705	12.75	.375	1,549	2,603	.990	7,930
703	803	703	8		47.00	1.500	5,673	1,419		
			642	703	20.00	.750	5,575	7,027	3,832	7,930
			702	703	12.75	.375	5,271	4,485	2,333	7,930
			703	801	20.00	.750	5,501	8,731	6,037	7,930
			703	705	12.75	.375	1,018	4,778	1,378	7,930
703	803	703	9		47.00	1.500	3,862	1,189		
			642	703	20.00	.750	.250	6,420	2,097	7,930
			702	703	12.75	.375	4,148	2,411	1,571	7,930
			703	801	20.00	.750	.144	6,655	2,996	7,930
			703	705	12.75	.375	1,684	4,543	1,483	7,930
706	806	706	6		47.00	1.500	5,338	.736		
			645	706	20.00	.750	12,308	.927	3,861	7,930
			705	706	12.75	.375	2,445	4,433	1,640	7,930
			706	803	20.00	.750	11,160	6,269	7,354	7,930
			704	706	12.75	.375	3,374	4,294	1,831	7,930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
706	806	706	7		47,00	1,500	6,521	1,209		
			645	706	20,00	,750	12,218	3,887	4,768	7,930
			705	706	12,75	,375	2,810	4,648	1,779	7,930
			706	803	20,00	,750	10,442	7,574	7,605	7,930
			704	706	12,75	,375	1,792	5,249	1,676	7,930
706	806	706	8		47,00	1,500	5,044	,723		
			645	706	20,00	,750	12,838	2,053	4,369	7,930
			705	706	12,75	,375	2,475	2,269	1,134	7,930
			706	803	20,00	,750	11,026	4,985	6,740	7,930
			704	706	12,75	,375	2,716	3,441	1,470	7,930
706	806	706	9		47,00	1,500	6,249	1,178		
			645	706	20,00	,750	11,902	4,302	4,807	7,930
			705	706	12,75	,375	2,919	2,521	1,301	7,930
			706	803	20,00	,750	10,149	6,634	7,080	7,930
			704	706	12,75	,375	1,788	3,819	1,336	7,930
656	706	706	6		47,00	1,500	8,234	,570		
			645	706	20,00	,750	12,308	,927	3,861	7,930
			705	706	12,75	,375	2,445	4,433	1,640	7,930
			706	803	20,00	,750	11,180	6,269	7,354	7,930
			704	706	12,75	,375	3,374	4,294	1,831	7,930
656	706	706	7		47,00	1,500	9,353	1,195		
			645	706	20,00	,750	12,218	3,887	4,768	7,930
			705	706	12,75	,375	2,810	4,648	1,779	7,930
			706	803	20,00	,750	10,442	7,574	7,605	7,930
			704	706	12,75	,375	1,792	5,249	1,676	7,930
656	706	706	8		47,00	1,500	7,954	,599		
			645	706	20,00	,750	12,838	2,053	4,369	7,930
			705	706	12,75	,375	2,475	2,269	1,134	7,930
			706	803	20,00	,750	11,026	4,985	6,740	7,930
			704	706	12,75	,375	2,716	3,441	1,470	7,930
656	706	706	9		47,00	1,500	8,946	1,237		
			645	706	20,00	,750	11,902	4,302	4,807	7,930
			705	706	12,75	,375	2,919	2,521	1,301	7,930
			706	803	20,00	,750	10,149	6,634	7,080	7,930
			704	706	12,75	,375	1,788	3,819	1,336	7,930

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
701	801	801	6		47.00	1.500	.615	.765		
			801	804	12.75	.375	4.399	2.841	1.733	7.930
			703	801	20.00	.750	5.731	3.525	3.056	7.930
			801	802	12.75	.375	1.108	4.232	1.270	7.930
			801	903	20.00	.750	5.047	4.057	3.982	7.930
701	801	801	7		47.00	1.500	2.488	.677		
			801	804	12.75	.375	3.709	2.704	1.535	7.930
			703	801	20.00	.750	.321	6.338	2.272	7.930
			801	802	12.75	.375	3.056	1.884	1.183	7.930
			801	903	20.00	.750	.116	5.368	2.405	7.930
701	801	801	8		47.00	1.500	.414	.738		
			801	804	12.75	.375	3.858	4.236	1.934	7.930
			703	801	20.00	.750	5.506	3.797	3.077	7.930
			801	802	12.75	.375	1.510	2.659	.994	7.930
			801	903	20.00	.750	4.963	3.730	3.802	7.930
701	801	801	9		47.00	1.500	2.731	.756		
			801	804	12.75	.375	3.750	4.954	2.078	7.930
			703	801	20.00	.750	.138	6.416	2.240	7.930
			801	802	12.75	.375	3.712	2.059	1.382	7.930
			801	903	20.00	.750	.218	5.851	2.662	7.930
801	901	801	6		47.00	1.500	.602	.929		
			801	804	12.75	.375	4.399	2.841	1.733	7.930
			703	801	20.00	.750	5.731	3.525	3.056	7.930
			801	802	12.75	.375	1.108	4.232	1.270	7.930
			801	903	20.00	.750	5.047	4.057	3.982	7.930
801	901	801	7		47.00	1.500	2.540	.820		
			801	804	12.75	.375	3.709	2.704	1.535	7.930
			703	801	20.00	.750	.321	6.338	2.272	7.930
			801	802	12.75	.375	3.056	1.884	1.183	7.930
			801	903	20.00	.750	.116	5.368	2.405	7.930
801	901	801	8		47.00	1.500	.720	.751		
			801	804	12.75	.375	3.858	4.236	1.934	7.930
			703	801	20.00	.750	5.506	3.797	3.077	7.930
			801	802	12.75	.375	1.510	2.659	.994	7.930
			801	903	20.00	.750	4.963	3.730	3.802	7.930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
801	901	801	9		47.00	1.500	2.671	.600		
			801	804	12.75	.375	3.750	4.954	2.078	7.930
			703	801	20.00	.750	.138	6.416	2.240	7.930
			801	802	12.75	.375	3.712	2.059	1.382	7.930
			801	903	20.00	.750	.218	5.851	2.662	7.930
703	803	803	6		47.00	1.500	5.586	.408		
			802	803	12.75	.375	1.759	3.904	1.349	7.930
			706	803	20.00	.755	11.114	1.858	4.252	7.930
			803	805	12.75	.375	3.697	1.434	1.231	7.930
			803	906	20.00	.755	10.338	5.406	6.928	7.930
703	803	803	7		47.00	1.500	3.816	.776		
			802	803	12.75	.375	3.074	2.117	1.242	7.930
			706	803	20.00	.755	10.382	2.299	4.166	7.930
			803	805	12.75	.375	1.371	2.542	.886	7.930
			803	906	20.00	.755	9.363	4.726	6.209	7.930
703	803	803	8		47.00	1.500	5.647	.266		
			802	803	12.75	.375	2.159	4.787	1.655	7.930
			706	803	20.00	.755	10.949	.944	3.884	7.930
			803	805	12.75	.375	3.229	5.233	2.018	7.930
			803	906	20.00	.755	10.272	6.294	7.292	7.930
703	803	803	9		47.00	1.500	3.836	.660		
			802	803	12.75	.375	3.727	1.887	1.345	7.930
			706	803	20.00	.755	10.075	1.911	3.933	7.930
			803	805	12.75	.375	1.284	5.028	1.501	7.930
			803	906	20.00	.755	9.219	5.554	6.502	7.930
803	903	803	6		47.00	1.500	3.218	.730		
			802	803	12.75	.375	1.759	3.904	1.349	7.930
			706	803	20.00	.750	11.185	1.869	4.251	7.930
			803	805	12.75	.375	3.697	1.434	1.231	7.930
			803	906	20.00	.750	10.404	5.438	6.925	7.930
803	903	803	7		47.00	1.500	1.637	.967		
			802	803	12.75	.375	3.074	2.117	1.242	7.930
			706	803	20.00	.750	10.448	2.313	4.165	7.930
			803	805	12.75	.375	1.371	2.542	.886	7.930
			803	906	20.00	.750	9.443	4.754	6.206	7.930

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
803	903	803	8		47,00	1,500	3,271	,670		
			802	803	12,75	,375	2,159	4,787	1,655	7,930
			706	803	20,00	,750	11,019	,949	3,882	7,930
			803	805	12,75	,375	3,229	5,233	2,018	7,930
			803	906	20,00	,750	10,338	6,331	7,289	7,930
803	903	803	9		47,00	1,500	1,671	,977		
			802	803	12,75	,375	3,727	1,687	1,345	7,930
			706	803	20,00	,750	10,139	1,923	3,931	7,930
			803	805	12,75	,375	1,284	5,028	1,501	7,930
			803	906	20,00	,750	9,278	5,587	6,499	7,930
706	806	806	6		47,00	1,500	5,313	,471		
			805	806	12,75	,375	2,491	5,388	1,878	7,930
			701	806	20,00	,750	6,311	6,976	4,425	7,930
			804	806	12,75	,375	4,991	4,132	2,182	7,930
			806	901	20,00	,750	5,860	7,529	5,860	7,930
706	806	806	7		47,00	1,500	6,496	,130		
			805	806	12,75	,375	,324	5,219	1,316	7,930
			701	806	20,00	,750	10,163	4,275	4,744	7,930
			804	806	12,75	,375	4,738	5,111	2,353	7,930
			806	901	20,00	,750	9,502	7,053	7,240	7,930
706	806	806	8		47,00	1,500	5,069	,510		
			805	806	12,75	,375	2,034	2,918	1,182	7,930
			701	806	20,00	,750	6,170	6,777	4,311	7,930
			804	806	12,75	,375	4,434	2,097	1,565	7,930
			806	901	20,00	,750	5,860	6,622	5,462	7,930
706	806	806	9		47,00	1,500	6,274	,230		
			805	806	12,75	,375	,244	3,351	,853	7,930
			701	806	20,00	,750	10,141	4,482	4,824	7,930
			804	806	12,75	,375	4,771	2,471	1,735	7,930
			806	901	20,00	,750	9,459	6,200	6,847	7,930
806	906	806	6		47,00	1,500	3,950	,384		
			805	806	12,75	,375	2,491	5,388	1,878	7,930
			701	806	20,00	,750	6,311	6,976	4,425	7,930
			804	806	12,75	,375	4,991	4,132	2,182	7,930
			806	901	20,00	,750	5,860	7,529	5,860	7,930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-STRESS-/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	806	7	47.00	1.500	4.310	.490		
			805 806	12.75	.375	.324	5.219	1.316	7.930
			701 806	20.00	.750	10.163	4.275	4.744	7.930
			804 806	12.75	.375	4.738	5.111	2.353	7.930
			806 901	20.00	.750	9.502	7.053	7.240	7.930
806	906	806	8	47.00	1.500	3.762	.342		
			805 806	12.75	.375	2.034	2.918	1.182	7.930
			701 806	20.00	.750	6.170	6.777	4.311	7.930
			804 806	12.75	.375	4.434	2.097	1.565	7.930
			806 901	20.00	.750	5.860	6.622	5.462	7.930
806	906	806	9	47.00	1.500	4.120	.517		
			805 806	12.75	.375	.244	3.351	.853	7.930
			701 806	20.00	.750	10.191	4.482	4.824	7.930
			804 806	12.75	.375	4.771	2.471	1.735	7.930
			806 901	20.00	.750	9.459	6.200	6.847	7.930
801	901	901	6	47.00	1.375	.684	1.126		
			806 901	20.00	.625	6.993	4.786	3.706	7.447
			901 902	14.00	.500	5.506	3.603	3.171	7.447
			901 904	14.00	.500	3.239	2.997	2.168	7.447
			901 1004	16.00	.750	7.139	1.325	3.108	7.447
			901 1002	16.00	.750	6.719	2.155	3.274	7.447
801	901	901	7	47.00	1.375	2.792	.689		
			806 901	20.00	.625	11.358	2.958	4.452	7.447
			901 902	14.00	.500	1.959	1.003	1.032	7.447
			901 904	14.00	.500	6.133	2.585	3.040	7.447
			901 1004	16.00	.750	12.028	2.129	5.197	7.447
			901 1002	16.00	.750	.262	1.838	.801	7.447
801	901	901	8	47.00	1.375	.754	1.004		
			806 901	20.00	.625	6.981	4.829	3.716	7.447
			901 902	14.00	.500	5.019	2.477	2.613	7.447
			901 904	14.00	.500	2.891	3.231	2.127	7.447
			901 1004	16.00	.750	6.868	1.678	3.152	7.447
			901 1002	16.00	.750	6.597	1.849	3.112	7.447
801	901	901	9	47.00	1.375	2.878	.599		
			806 901	20.00	.625	11.270	3.027	4.453	7.447
			901 902	14.00	.500	1.106	1.444	.885	7.447
			901 904	14.00	.500	6.450	3.893	3.596	7.447
			901 1004	16.00	.750	11.868	2.419	5.250	7.447
			901 1002	16.00	.750	.002	2.058	.791	7.447

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-/- STRESS -/- AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
901	1001	901	6	47.00	1.375	.016	1.098		
			806 901	20.00	.625	6.993	4.786	3.706	7.447
			901 902	14.00	.500	5.506	3.603	3.171	7.447
			901 904	14.00	.500	3.239	2.997	2.168	7.447
			901 1004	16.00	.750	7.139	1.325	3.108	7.447
			901 1002	16.00	.750	6.719	2.155	3.274	7.447
901	1001	901	7	47.00	1.375	.297	.733		
			806 901	20.00	.625	11.338	2.958	4.452	7.447
			901 902	14.00	.500	1.959	1.003	1.032	7.447
			901 904	14.00	.500	6.133	2.585	3.040	7.447
			901 1004	16.00	.750	12.028	2.129	5.197	7.447
			901 1002	16.00	.750	.262	1.838	.801	7.447
901	1001	901	8	47.00	1.375	.028	1.036		
			806 901	20.00	.625	6.981	4.829	3.716	7.447
			901 902	14.00	.500	5.019	2.477	2.613	7.447
			901 904	14.00	.500	2.891	3.231	2.127	7.447
			901 1004	16.00	.750	6.868	1.678	3.152	7.447
			901 1002	16.00	.750	6.597	1.849	3.112	7.447
901	1001	901	9	47.00	1.375	.343	.735		
			806 901	20.00	.625	11.270	3.027	4.453	7.447
			901 902	14.00	.500	1.106	1.444	.885	7.447
			901 904	14.00	.500	6.430	3.893	3.596	7.447
			901 1004	16.00	.750	11.868	2.419	5.250	7.447
			901 1002	16.00	.750	.002	2.056	.791	7.447
803	903	903	6	47.00	1.375	3.530	1.060		
			801 903	20.00	.500	7.490	11.275	4.771	7.447
			902 903	14.00	.500	5.077	4.047	3.174	7.447
			903 905	14.00	.500	8.426	1.735	3.551	7.447
			903 1005	16.00	.750	13.544	3.866	6.416	7.447
			903 1002	16.00	.750	6.774	3.692	3.884	7.447
803	903	903	7	47.00	1.375	1.809	1.229		
			801 903	20.00	.500	.165	9.545	2.517	7.447
			902 903	14.00	.500	1.923	1.082	1.047	7.447
			903 905	14.00	.500	7.953	1.620	3.345	7.447
			903 1005	16.00	.750	12.206	3.412	5.755	7.447
			903 1002	16.00	.750	.299	2.599	1.107	7.447

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLN STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
803	903	903	8	47.00	1.375	3.530	1.147		
			801 903	20.00	.500	7.335	11.032	4.670	7.447
			902 903	14.00	.500	4.594	4.392	3.124	7.447
			903 905	14.00	.500	7.739	3.818	4.028	7.447
			903 1005	16.00	.750	13.268	4.063	6.391	7.447
			903 1002	16.00	.750	6.663	3.690	3.843	7.447
803	903	903	9	47.00	1.375	1.789	1.358		
			801 903	20.00	.500	.334	9.552	2.560	7.447
			902 903	14.00	.500	1.074	1.570	.918	7.447
			903 905	14.00	.500	7.588	3.659	3.920	7.447
			903 1005	16.00	.750	11.859	3.613	5.705	7.447
			903 1002	16.00	.750	.036	2.529	.984	7.447
903	1003	903	6	47.00	1.375	.499	1.246		
			801 903	20.00	.500	7.490	11.275	4.771	7.447
			902 903	14.00	.500	5.077	4.047	3.174	7.447
			903 905	14.00	.500	8.426	1.735	3.551	7.447
			903 1005	16.00	.750	13.544	3.866	6.416	7.447
			903 1002	16.00	.750	6.774	3.692	3.884	7.447
903	1003	903	7	47.00	1.375	.329	1.305		
			801 903	20.00	.500	.165	9.545	2.517	7.447
			902 903	14.00	.500	1.923	1.082	1.047	7.447
			903 905	14.00	.500	7.953	1.620	3.345	7.447
			903 1005	16.00	.750	12.206	3.412	5.755	7.447
			903 1002	16.00	.750	.299	2.599	1.107	7.447
903	1003	903	8	47.00	1.375	.532	1.324		
			801 903	20.00	.500	7.335	11.032	4.670	7.447
			902 903	14.00	.500	4.594	4.392	3.124	7.447
			903 905	14.00	.500	7.739	3.818	4.028	7.447
			903 1005	16.00	.750	13.268	4.063	6.391	7.447
			903 1002	16.00	.750	6.663	3.690	3.843	7.447
903	1003	903	9	47.00	1.375	.357	1.426		
			801 903	20.00	.500	.334	9.552	2.560	7.447
			902 903	14.00	.500	1.074	1.570	.918	7.447
			903 905	14.00	.500	7.588	3.659	3.920	7.447
			903 1005	16.00	.750	11.859	3.613	5.705	7.447
			903 1002	16.00	.750	.036	2.529	.984	7.447

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	906	6	47.00	1.375	4.269	.170		
			803 906	20.00	.625	12.393	.385	3.943	7.447
			905 906	14.00	.500	7.680	4.221	4.146	7.447
			904 906	14.00	.500	3.600	3.282	2.393	7.447
			906 1005	16.00	.750	13.602	2.695	5.987	7.447
			906 1004	16.00	.750	7.143	3.367	3.893	7.447
806	906	906	7	47.00	1.375	4.660	.794		
			803 906	20.00	.625	11.251	4.945	5.069	7.447
			905 906	14.00	.500	7.288	4.642	4.154	7.447
			904 906	14.00	.500	6.765	3.810	3.684	7.447
			906 1005	16.00	.750	12.272	3.011	5.624	7.447
			906 1004	16.00	.750	11.993	3.838	5.840	7.447
806	906	906	8	47.00	1.375	4.121	.425		
			803 906	20.00	.625	12.331	1.095	4.154	7.447
			905 906	14.00	.500	6.996	2.400	3.279	7.447
			904 906	14.00	.500	3.243	1.603	1.689	7.447
			906 1005	16.00	.750	13.318	2.369	5.759	7.447
			906 1004	16.00	.750	6.883	2.945	3.637	7.447
806	906	906	9	47.00	1.375	4.511	.822		
			803 906	20.00	.625	11.068	5.224	5.104	7.447
			905 906	14.00	.500	6.926	3.296	3.564	7.447
			904 906	14.00	.500	7.056	1.608	3.027	7.447
			906 1005	16.00	.750	11.919	2.650	5.434	7.447
			906 1004	16.00	.750	11.828	3.527	5.661	7.447
906	1006	906	6	47.00	1.375	.530	.471		
			803 906	20.00	.625	12.393	.385	3.943	7.447
			905 906	14.00	.500	7.680	4.221	4.146	7.447
			904 906	14.00	.500	3.600	3.282	2.393	7.447
			906 1005	16.00	.750	13.602	2.695	5.987	7.447
			906 1004	16.00	.750	7.143	3.367	3.893	7.447
906	1006	906	7	47.00	1.375	.595	.960		
			803 906	20.00	.625	11.251	4.945	5.069	7.447
			905 906	14.00	.500	7.288	4.642	4.154	7.447
			904 906	14.00	.500	6.765	3.810	3.684	7.447
			906 1005	16.00	.750	12.272	3.011	5.624	7.447
			906 1004	16.00	.750	11.993	3.838	5.840	7.447

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
906	1006	906	8	47.00	1.375	.474	.641		
			803 906	20.00	.625	12.331	1.095	4.154	7.447
			905 906	14.00	.500	6.996	2.400	3.279	7.447
			904 906	14.00	.500	3.243	1.603	1.689	7.447
			906 1005	16.00	.750	13.318	2.369	5.759	7.447
			906 1004	16.00	.750	6.883	2.945	3.637	7.447
906	1006	906	9	47.00	1.375	.544	1.008		
			803 906	20.00	.625	11.068	5.224	5.104	7.447
			905 906	14.00	.500	6.926	3.296	3.564	7.447
			904 906	14.00	.500	7.056	1.608	3.027	7.447
			906 1005	16.00	.750	11.919	2.850	5.434	7.447
			906 1004	16.00	.750	11.828	3.527	5.661	7.447
901	1001	1001	6	46.00	1.250	.014	.175		
			1001 1002	20.00	.625	.219	6.089	2.992	7.062
			1001 1004	20.00	.625	.358	6.339	3.178	7.062
901	1001	1001	7	46.00	1.250	.366	.353		
			1001 1002	20.00	.625	5.925	2.305	3.948	7.062
			1001 1004	20.00	.625	5.875	4.097	4.773	7.062
901	1001	1001	8	46.00	1.250	.001	.157		
			1001 1002	20.00	.625	.067	5.314	2.552	7.062
			1001 1004	20.00	.625	.043	5.496	2.627	7.062
901	1001	1001	9	46.00	1.250	.352	.327		
			1001 1002	20.00	.625	5.777	1.599	3.541	7.062
			1001 1004	20.00	.625	5.464	3.620	4.349	7.062
903	1003	1003	6	46.00	1.250	.592	.499		
			1002 1003	20.00	.625	9.360	3.200	6.027	7.062
			1003 1005	20.00	.625	9.569	4.069	6.539	7.062
903	1003	1003	7	46.00	1.250	.400	.326		
			1002 1003	20.00	.625	6.296	1.948	3.957	7.062
			1003 1005	20.00	.625	6.530	3.801	4.948	7.062
903	1003	1003	8	46.00	1.250	.564	.488		
			1002 1003	20.00	.625	8.904	2.774	5.605	7.062
			1003 1005	20.00	.625	8.947	3.790	6.107	7.062

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
903	1003	1003	9	46.00	1.250	.369	.297		
			1002 1003	20.00	.625	5.798	2.373	3.919	7.062
			1003 1005	20.00	.625	5.858	4.029	4.733	7.062
906	1006	1006	6	46.00	1.250	.563	.521		
			1004 1006	20.00	.625	9.275	3.306	6.036	7.062
			1005 1006	20.00	.625	8.738	3.943	6.079	7.062
906	1006	1006	7	46.00	1.250	.635	.593		
			1004 1006	20.00	.625	10.324	3.593	6.677	7.062
			1005 1006	20.00	.625	9.967	3.468	6.446	7.062
906	1006	1006	8	46.00	1.250	.564	.512		
			1004 1006	20.00	.625	9.257	2.610	5.697	7.062
			1005 1006	20.00	.625	8.988	3.569	6.022	7.062
906	1006	1006	9	46.00	1.250	.642	.576		
			1004 1006	20.00	.625	10.523	3.335	6.651	7.062
			1005 1006	20.00	.625	10.185	3.313	6.477	7.062

END OF JOINT CHECK

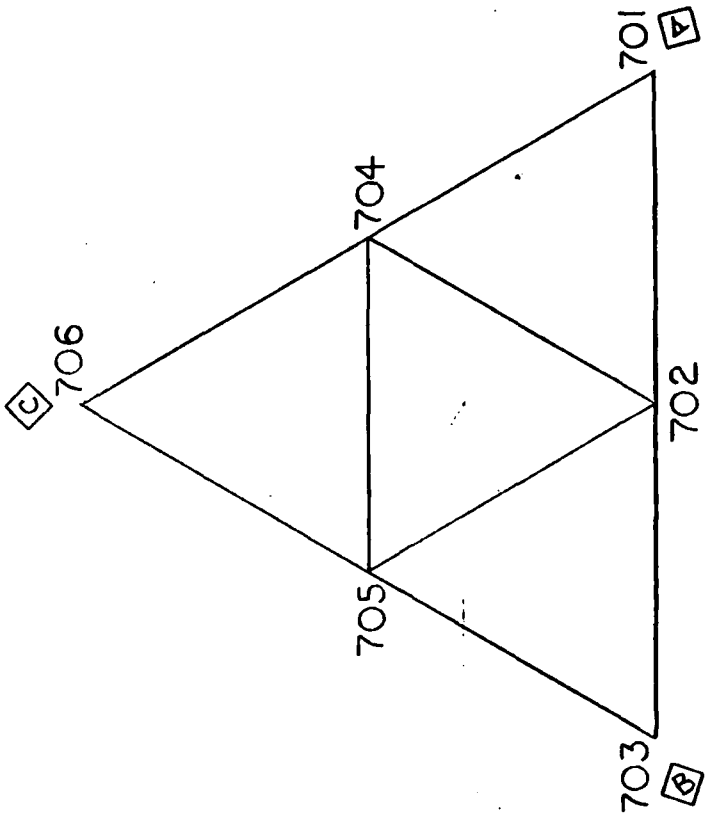
END OF RUN - SAPCHK

CREST OFFSHORE, INC.

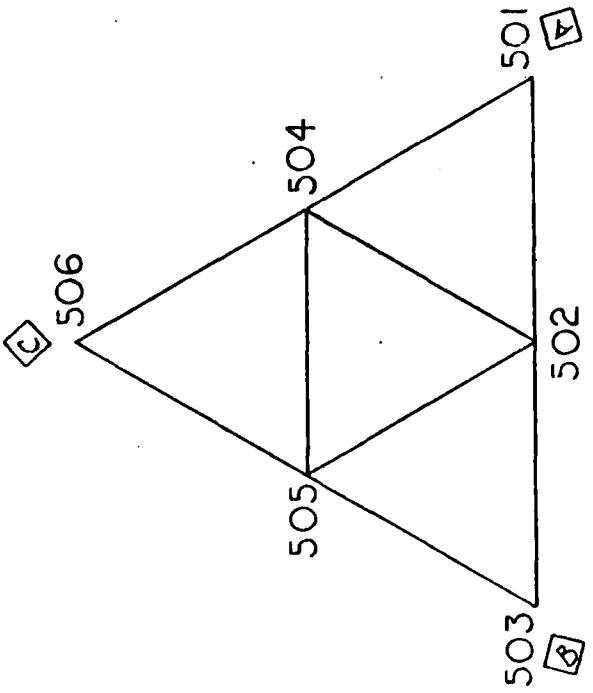
Sheet ___ of ___

By L. Kirk Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 1-28-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS

JOINT GEOMETRY — SECONDARY JOINTS



PLAN AT ELEV. (-) 13'-0"

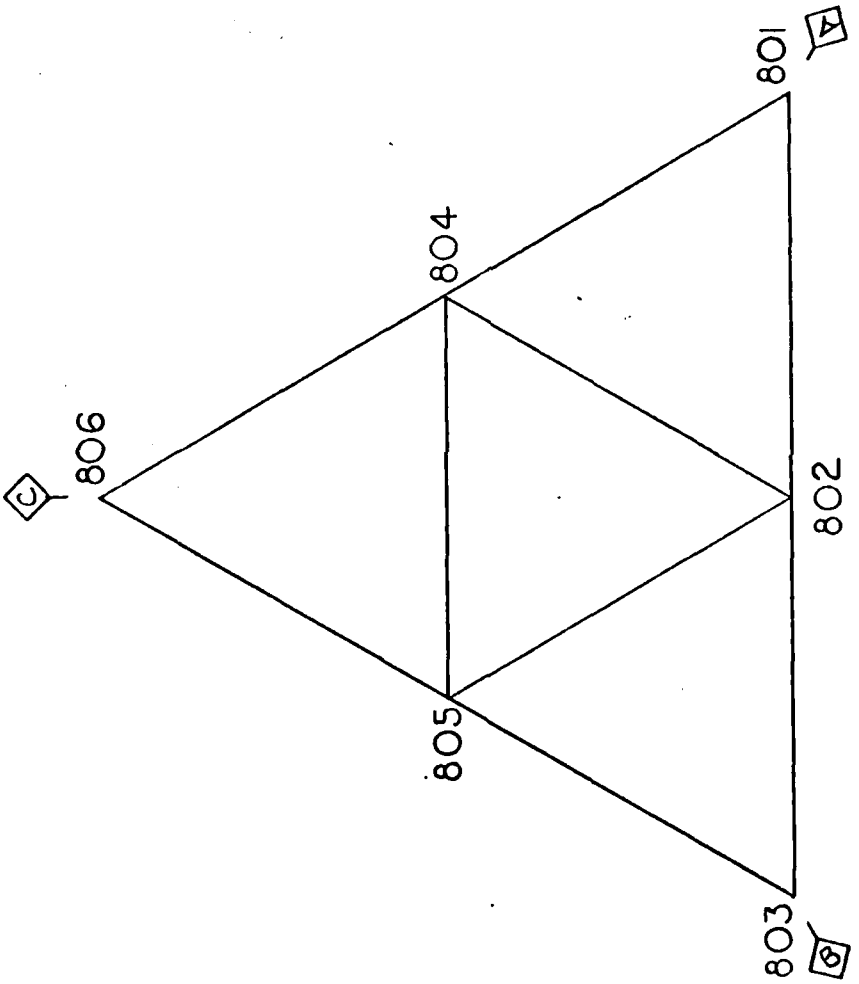


PLAN AT ELEV. (+) 12'-0"

CREST OFFSHORE, INC.

Sheet ___ of ____

By LeKirk Client U.S. Navy Subject DESIGN OF 93' MLW STRUCTURE
Date 7-28-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS



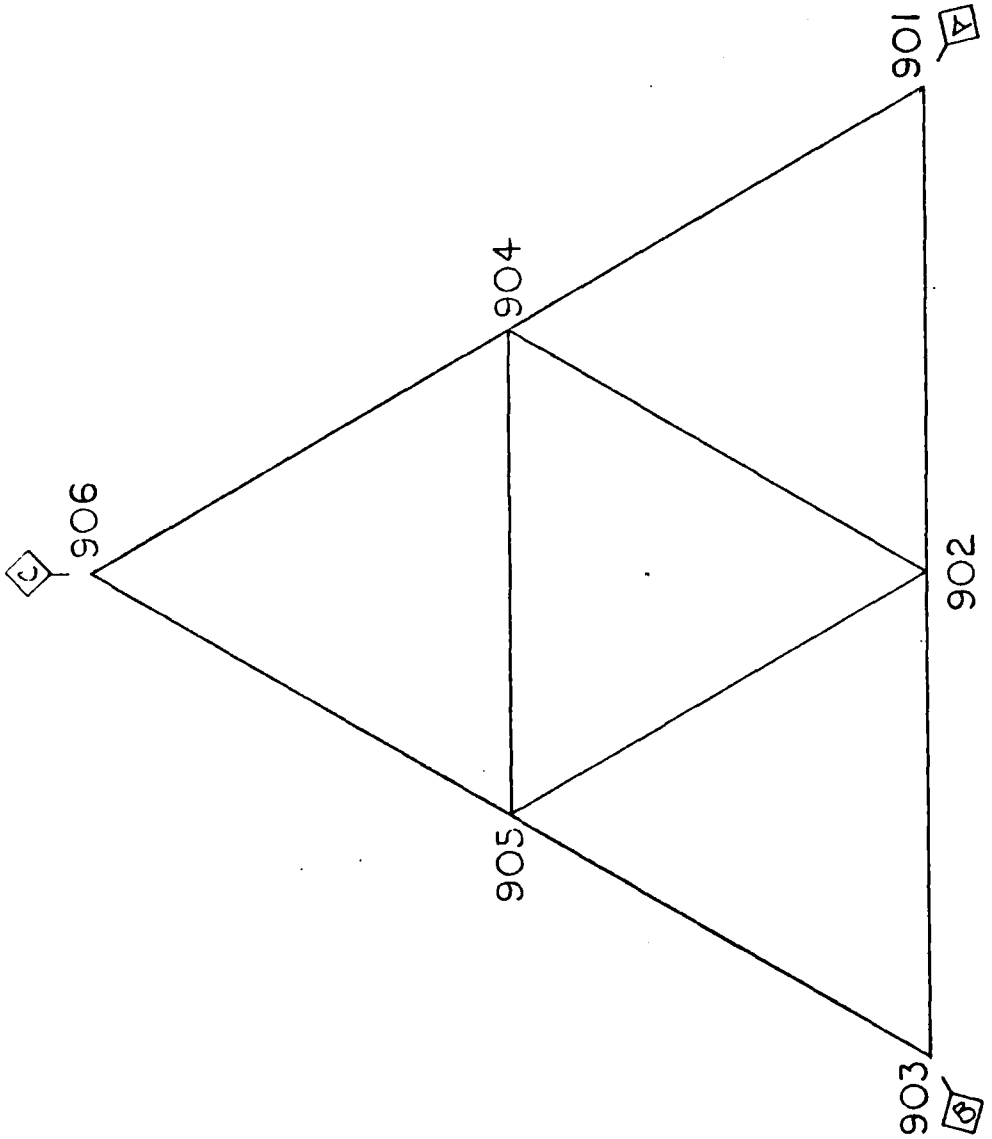
PLAN AT ELEV. (-) 39'-0"

JOINT GEOMETRY — SECONDARY JOINTS

CREST OFFSHORE, INC.

Sheet ___ of ____

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 1-28-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS



PLAN AT ELEV. (-)66'-0"

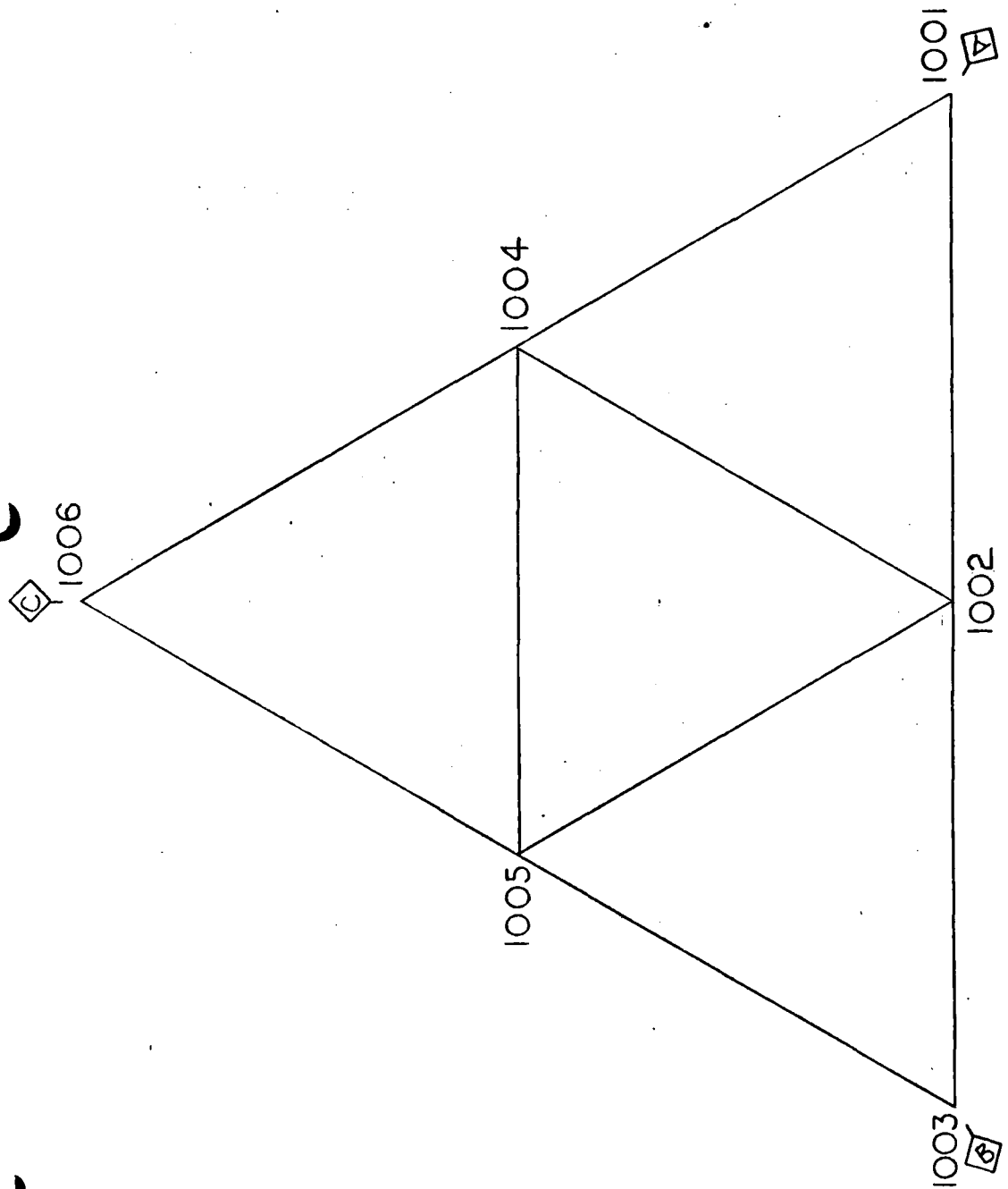
JOINT GEOMETRY — SECONDARY JOINTS

CREST OFFSHORE, INC.

Sheet ___ of ____

By L. Kirk Client U.S. Navy Subject DESIGN OF 93' MLW STRUCTURE

Date 7-28-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS



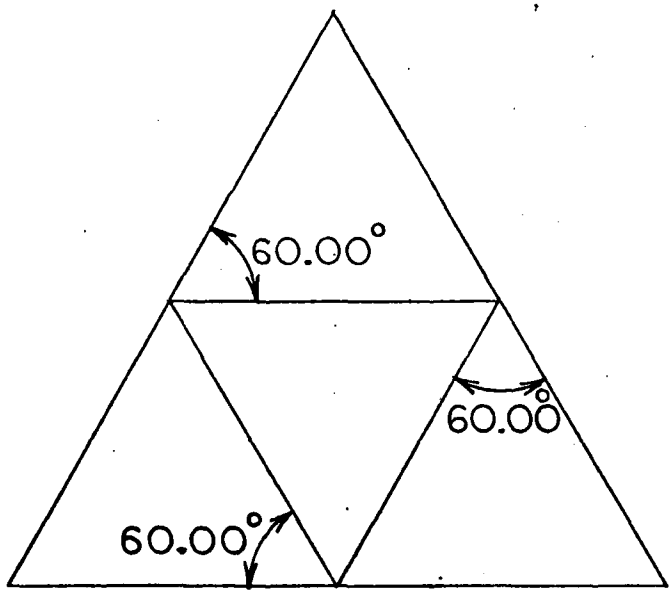
PLAN AT ELEV. (-) 93'-0"

JOINT GEOMETRY — SECONDARY JOINTS

CREST OFFSHORE, INC.

Sheet ___ of ____

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 7-29-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS



TYPICAL PLAN

JOINT GEOMETRY – SECONDARY JOINTS

CREST OFFSHORE, INC.

Sheet ____ of ____

By ERC Client U.S. NAVY Subject DESIGN OF 23 MW STEEL
Date 2-22-96 Job No. 27-221-95 Calculation PUNCH-OUT CHECKS

7.5 PUNCHING SHEAR ANALYSIS - SECONDARY JOINTS

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

INPUT DATA

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
501	502	18.000	.500	2	=0.00	36
502	504	10.750	.365	1	60.00	36
502	505	10.750	.365	1	60.00	36
503	505	18.000	.500	2	=0.00	36
502	505	10.750	.365	2	60.00	36
504	505	10.750	.365	2	60.00	36
504	506	18.000	.500	1	=0.00	36
502	504	10.750	.365	2	60.00	36
504	505	10.750	.365	1	60.00	36
701	702	12.750	.375	2	=0.00	36
702	704	10.750	.365	1	60.00	36
702	705	10.750	.365	1	60.00	36
703	705	12.750	.375	2	=0.00	36
702	705	10.750	.365	2	60.00	36
704	705	10.750	.365	2	60.00	36
706	706	12.750	.375	1	=0.00	36
702	704	10.750	.365	2	60.00	36
704	705	10.750	.365	1	60.00	36
801	802	12.750	.375	2	=0.00	36
802	804	10.750	.365	1	60.00	36
802	805	10.750	.365	1	60.00	36
803	805	12.750	.375	2	=0.00	36
802	805	10.750	.365	2	60.00	36
804	805	10.750	.365	2	60.00	36
804	806	12.750	.375	1	=0.00	36
802	804	10.750	.365	2	60.00	36
804	805	10.750	.365	1	60.00	36
901	902	14.000	.500	2	=0.00	36
902	904	10.750	.365	1	60.00	36
902	905	10.750	.365	1	60.00	36
901	904	14.000	.500	2	=0.00	36
902	904	10.750	.365	2	60.00	36
904	905	10.750	.365	1	60.00	36
903	905	14.000	.500	1	=0.00	36
902	905	10.750	.365	2	60.00	36
904	905	10.750	.365	2	60.00	36
1001	1002	24.000	.875	2	=0.00	36
901	1002	16.000	.750	2	46.20	36
1002	1004	14.000	.375	1	60.00	36
1002	1005	24.000	.875	1	=0.00	36
903	1002	16.000	.750	2	46.20	36
1002	1005	14.000	.375	1	60.00	36
1003	1005	24.000	.875	2	=0.00	36
903	1005	16.000	.750	2	46.20	36
1002	1005	14.000	.375	2	60.00	36
1005	1006	24.000	.875	1	=0.00	36
906	1005	16.000	.750	2	46.20	36
1004	1005	14.000	.375	2	60.00	36
1 1	1004	24.000	.875	2	=0.00	36
901	1004	16.000	.750	2	46.20	36
1002	1004	14.000	.375	2	60.00	36
1004	1006	24.000	.875	1	=0.00	36

1004	100	14.000	.750	2	40.20	36
			.375	1	60.00	38

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.075000E+01	3.650000E-01	1.190829E+01	2.990404E+01	3.600000E+01
2	1.600000E+01	7.500000E-01	3.593197E+01	1.308450E+02	3.600000E+01
3	1.400000E+01	3.750000E-01	1.605158E+01	5.325145E+01	3.600000E+01

LOAD CASE	LOAD FACTOR
6	1.330
7	1.330
8	1.330
9	1.330

END OF INFORMATION READ = FORCE

215 RECORDS TO BE SORTED

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT NLM STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
501	502	502	6		16.00	.500	2.148	5.842		
			502	504	10.75	.365	.541	6.150	4.052	7.914
			502	505	10.75	.365	2.263	9.652	7.172	7.914
501	502	502	7		16.00	.500	5.460	6.595		
			502	504	10.75	.365	.747	5.495	3.773	7.914
			502	505	10.75	.365	1.533	8.695	4.954	7.914
501	502	502	9		16.00	.500	.796	5.730		
			502	504	10.75	.365	.560	6.380	4.218	7.914
			502	505	10.75	.365	2.256	9.684	7.188	7.914
501	502	502	9		16.00	.500	7.277	6.560		
			502	504	10.75	.365	.747	5.789	3.950	7.748
			502	505	10.75	.365	1.447	8.648	4.876	7.748
503	505	505	6		16.00	.500	7.466	2.235		
			502	505	10.75	.365	2.264	2.321	2.713	7.914
			504	505	10.75	.365	1.632	5.297	4.160	7.914
503	505	505	7		16.00	.500	5.550	2.571		
			502	505	10.75	.365	1.535	4.008	3.083	7.914
			504	505	10.75	.365	2.224	6.712	6.578	7.914
503	505	505	6		16.00	.500	8.292	2.057		
			502	505	10.75	.365	2.260	2.691	2.935	7.914
			504	505	10.75	.365	1.623	5.524	4.293	7.914
503	505	505	9		16.00	.500	6.033	2.736		
			502	505	10.75	.365	1.449	4.748	3.721	7.914
			504	505	10.75	.365	2.183	8.639	6.510	7.914
504	506	504	6		16.00	.500	11.527	5.926		
			502	504	10.75	.365	.541	5.861	2.660	7.251
			504	505	10.75	.365	1.632	8.021	4.600	7.251
504	506	504	7		16.00	.500	13.856	4.620		
			502	504	10.75	.365	.749	4.403	3.109	7.082
			504	505	10.75	.365	2.224	8.559	4.660	7.082

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT DLN STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- STRESS - */ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
504	506	504	8		16.00	.500	10.651	5.069		
			502	504	10.75	.365	.580	3.446	2.430	7.407
			504	505	10.75	.365	1.623	5.300	4.157	7.407
504	505	504	9		16.00	.500	12.866	4.091		
			502	504	10.75	.365	.748	3.988	2.855	7.320
			504	505	10.75	.365	2.183	4.840	4.199	7.320
701	702	702	5		12.75	.375	4.145	7.696		
			702	704	10.75	.365	.027	.222	.201	8.880
			702	705	10.75	.365	1.255	5.072	5.060	8.880
701	702	702	7		12.75	.375	3.358	6.388		
			702	704	10.75	.365	.743	3.356	3.291	8.880
			702	705	10.75	.365	.677	3.018	2.957	8.880
701	702	702	8		12.75	.375	4.535	7.509		
			702	704	10.75	.365	.012	.819	.673	8.880
			702	705	10.75	.365	1.233	5.074	5.060	8.880
701	702	702	9		12.75	.375	4.184	6.160		
			702	704	10.75	.365	.756	3.488	3.394	8.880
			702	705	10.75	.365	.661	3.075	3.000	8.880
703	705	705	6		12.75	.375	.984	3.404		
			702	705	10.75	.365	1.238	5.448	4.151	8.880
			704	705	10.75	.365	1.251	5.838	4.072	8.880
703	705	705	7		12.75	.375	1.554	6.099		
			702	705	10.75	.365	.675	2.136	2.251	8.880
			704	705	10.75	.365	1.410	5.222	5.316	8.880
703	705	705	8		12.75	.375	1.018	3.642		
			702	705	10.75	.365	1.235	5.986	4.180	8.880
			704	705	10.75	.365	1.248	3.784	4.026	8.880
703	705	705	9		12.75	.375	1.483	6.291		
			702	705	10.75	.365	.659	2.124	2.228	8.880
			704	705	10.75	.365	1.403	5.103	5.214	8.880
704	706	704	6		12.75	.375	3.374	4.025		
			702	704	10.75	.365	.027	.845	.722	8.880
			704	705	10.75	.365	1.251	5.413	5.349	8.880

SAPCHK = CHECK OF [illegible] SUR SYSTEM

PUNCHING SHEAR CHECK FOR [illegible] LM STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		[illegible]	E S S = +/ BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
704	706	704	7		12.75	2,080		
			702	704	10.75	2,066	2,246	8,880
			704	705	10.75	5,364	5,431	8,880
704	706	704	8		12.75	4,294		
			702	704	10.75	,132	,116	8,880
			704	705	10.75	5,200	5,174	8,880
704	706	704	9		12.75	1,885		
			702	704	10.75	1,924	2,124	8,880
			704	705	10.75	5,197	5,290	8,880
801	802	802	6		12.75	7,346		
			802	805	10.75	5,501	5,272	8,880
			802	804	10.75	,276	,260	8,880
801	802	802	7		12.75	5,535		
			802	805	10.75	3,247	3,101	8,880
			802	804	10.75	2,924	2,809	8,880
801	802	802	8		12.75	.375	7,551	
			802	805	10.75	.365	5,395	5,267	8,880
			802	804	10.75	.365	,885	,751	8,880
801	802	802	9		12.75	.375	5,557		
			802	805	10.75	.365	3,295	3,129	8,880
			802	804	10.75	.365	3,178	3,008	8,880
805	805	805	6		12.75	.375	2,819		
			802	805	10.75	.365	3,445	3,602	8,880
			804	805	10.75	.365	3,879	3,923	8,880
805	805	805	7		12.75	.375	5,515		
			802	805	10.75	.365	2,911	2,697	8,880
			804	805	10.75	.365	5,550	5,240	8,880
805	805	805	9		12.75	.375	2,797		
			802	805	10.75	.365	3,573	3,782	8,880
			804	805	10.75	.365	3,878	3,749	8,880
805	805	805	9		12.75	.375	5,033		
			802	805	10.75	.365	2,003	2,080	8,880
			804	805	10.75	.365	5,550	5,240	8,880

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT SLM STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS /- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
804	806	804	6		12.75	.375	4.993	4.663	
			802	804	10.75	.365	.046	.743	.638	8.880
			804	805	10.75	.365	1.014	5.212	5.004	8.880
804	806	804	7		12.75	.375	4.739	2.189	
			802	804	10.75	.365	.570	1.995	2.055	8.880
			804	805	10.75	.365	1.175	5.048	4.945	8.880
804	806	804	8		12.75	.375	4.436	4.624		
			802	804	10.75	.365	.043	.285	.264	8.880
			804	805	10.75	.365	1.004	4.811	4.671	8.880
804	806	804	9		12.75	.375	4.771	2.084		
			802	804	10.75	.365	.501	1.694	1.955	8.880
			804	805	10.75	.365	1.106	4.922	4.845	8.880
901	902	902	6		14.00	.500	5.506	4.722		
			902	904	10.75	.365	.079	.770	.514	9.341
			902	905	10.75	.365	.994	6.250	4.374	9.341
901	902	902	7		14.00	.500	1.959	4.479		
			902	904	10.75	.365	.492	2.642	1.890	9.341
			902	905	10.75	.365	.604	3.632	2.556	9.341
901	902	902	8		14.00	.500	5.019	4.710		
			902	904	10.75	.365	.070	1.016	.659	9.341
			902	905	10.75	.365	.991	6.171	4.323	9.341
901	902	902	9		14.00	.500	1.106	4.440		
			902	904	10.75	.365	.487	2.943	2.070	9.341
			902	905	10.75	.365	.592	3.601	2.551	9.341
901	904	904	6		14.00	.500	3.259	5.514		
			902	904	10.75	.365	.079	.949	.623	9.341
			904	905	10.75	.365	.915	5.376	3.798	9.341
901	904	904	7		14.00	.500	6.128	4.569		
			902	904	10.75	.365	.491	2.300	1.685	9.341
			904	905	10.75	.365	1.068	5.114	3.735	9.341
901	904	904	8		14.00	.500	2.891	5.299		
			902	904	10.75	.365	.070	.562	.260	9.341
			904	905	10.75	.365	.910	4.696	3.502	9.341

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLK STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-STRESS- AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
901	904	904	9	14.00	.500	6.430	4.510		
			902 904	10.75	.365	.485	2.125	1.570	9.341
			904 905	10.75	.365	1.082	4.731	3.500	9.341
905	906	905	6	14.00	.500	7.660	2.883		
			902 905	10.75	.365	.997	3.162	2.496	9.341
			904 905	10.75	.365	.915	3.072	2.882	9.341
905	906	905	7	14.00	.500	7.286	1.205		
			902 905	10.75	.365	.603	2.170	1.667	9.341
			904 905	10.75	.365	1.088	5.872	4.198	9.341
905	906	905	8	14.00	.500	6.996	2.772		
			902 905	10.75	.365	.968	3.494	2.693	9.341
			904 905	10.75	.365	.910	3.083	2.861	9.341
905	906	905	9	14.00	.500	6.924	.908		
			902 905	10.75	.365	.591	2.292	1.734	9.341
			904 905	10.75	.365	1.082	5.776	4.136	9.341
1001	1002	1002	6	24.00	.875	.131	.873		
			901 1002	16.00	.750	6.707	2.786	4.863	8.816
			1002 1004	14.00	.375	.069	4.672	1.692	8.733
1001	1002	1002	7	24.00	.875	3.546	.526		
			901 1002	16.00	.750	.253	2.981	1.744	8.816
			1002 1004	14.00	.375	.397	3.664	1.443	8.733
1001	1002	1002	8	24.00	.875	.040	.850		
			901 1002	16.00	.750	6.610	2.594	4.710	8.816
			1002 1004	14.00	.375	.017	4.069	1.459	8.733
1001	1002	1002	9	24.00	.875	3.457	.581		
			901 1002	16.00	.750	.011	2.924	1.593	8.816
			1002 1004	14.00	.375	.451	3.183	1.289	8.733
1002	1003	1002	6	24.00	.875	5.602	.168		
			903 1002	16.00	.750	6.782	2.271	4.621	8.816
			1002 1005	14.00	.375	.774	3.820	1.628	8.733
1002	1003	1002	7	24.00	.875	3.768	.441		
			903 1002	16.00	.750	.308	2.254	1.377	8.816
			1002 1005	14.00	.375	.397	4.443	1.721	8.733

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLR STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-= -S T R E S S - =- AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1002	1003	1002	8	24.00	.875	5.328	.315		
			903 1002	16.00	.750	6.651	2.479	4.669	8.816
			1002 1005	14.00	.375	.758	5.250	1.417	8.733
1002	1003	1002	9	24.00	.875	3.470	.607		
			903 1002	16.00	.750	.026	2.206	1.211	8.816
			1002 1005	14.00	.375	.445	4.926	1.588	8.733
1003	1005	1005	6	24.00	.875	5.727	1.082		
			903 1005	16.00	.750	13.553	1.206	7.428	8.816
			1002 1005	14.00	.375	.777	1.496	.796	8.733
1003	1005	1005	7	24.00	.875	3.908	.972		
			903 1005	16.00	.750	12.216	1.077	7.014	8.816
			1002 1005	14.00	.375	.392	3.939	1.218	8.733
1003	1005	1005	8	24.00	.875	5.354	1.082		
			903 1005	16.00	.750	13.258	1.026	7.509	8.816
			1002 1005	14.00	.375	.756	1.766	.888	8.733
1003	1005	1005	9	24.00	.875	3.506	1.021		
			903 1005	16.00	.750	11.846	1.976	6.992	8.816
			1002 1005	14.00	.375	.450	3.499	1.402	8.733
1005	1006	1005	6	24.00	.875	5.229	.433		
			906 1005	16.00	.750	13.591	2.968	8.413	8.816
			1004 1005	14.00	.375	.741	1.247	.695	8.733
1005	1006	1005	7	24.00	.875	5.965	.413		
			906 1005	16.00	.750	12.264	2.914	7.710	8.816
			1004 1005	14.00	.375	.848	1.307	.753	8.733
1005	1006	1005	8	24.00	.875	5.379	.360		
			906 1005	16.00	.750	13.327	2.500	8.016	8.816
			1004 1005	14.00	.375	.723	.784	.524	8.733
1005	1006	1005	9	24.00	.875	6.096	.508		
			906 1005	16.00	.750	11.928	2.516	7.326	8.816
			1004 1005	14.00	.375	.865	1.702	.900	8.733
1001	1004	1004	6	24.00	.875	.214	1.014		
			901 1004	16.00	.750	7.150	2.223	4.780	8.816
			1002 1004	14.00	.375	.069	4.569	1.655	8.733

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1001	1004	1004	7	24.00	.875	3.516	.639		
			901 1004	16.00	.750	12.037	2.406	7.321	8.816
			1002 1004	14.00	.375	.392	3.004	1.205	8.733
1001	1004	1004	8	24.00	.875	.026	.830		
			901 1004	16.00	.750	6.879	2.453	4.768	8.816
			1002 1004	14.00	.375	.017	4.690	1.681	8.733
1001	1004	1004	9	24.00	.875	3.270	.578		
			901 1004	16.00	.750	11.855	2.756	7.420	8.816
			1002 1004	14.00	.375	.455	3.252	1.315	8.733
1004	1006	1004	6	24.00	.875	5.551	.574		
			906 1004	16.00	.750	7.133	2.700	5.029	8.816
			1004 1005	14.00	.375	.741	2.488	1.138	8.733
1004	1006	1004	7	24.00	.875	6.178	.945		
			906 1004	16.00	.750	11.984	2.107	7.132	8.816
			1004 1005	14.00	.375	.848	.676	.600	8.733
1004	1006	1004	8	24.00	.875	5.540	.482		
			906 1004	16.00	.750	6.892	2.604	4.857	8.816
			1004 1005	14.00	.375	.723	2.574	1.163	8.733
1004	1006	1004	9	24.00	.875	6.298	.852		
			906 1004	16.00	.750	11.836	1.645	6.916	8.816
			1004 1005	14.00	.375	.865	.664	.529	8.733

END OF JOINT CHECK

END OF RUN - SAPCHK

SECTION 8.0

PILE-JACKET CONNECTION

8.1 INTRODUCTION

This section ascertains the capability of the pile-jacket connection at the top of the jacket of transferring both the axial load and the bending moment of the jacket to the pile. The following assumptions are made in this analysis:

1. The axial load is distributed to all six shims.

2. The resultant bending moment is taken out as a couple by two shims on each side of the 42 inch diameter pile.

3. The torsional moment is negligible.

4. The fillet weld area perpendicular to the applied load is more susceptible to fatigue crack than the fillet weld parallel to the load, and, therefore, is ignored in this analysis.

5. An E-70 electrode is used for welding with τ = 15.8 ksi or f = 11.2ω kips/inch.

Reference Drawings:

3016295 Jacket - Pile Shims and Leg Connection

CREST OFFSHORE, INC.

By L. KIRK — Client U.S. NAVY — Subject DESIGN OF 23' MLW STRUCTURE

Date 8-2-76 — Job No. 27-771- — Calculation PILE - JACKET CONNECTION

Sheet — of —

JACKET LOADS

50YR. STORM

JACKET MEMBER	LOAD CONDITION	P (KIPS)	M_Y (IN.-KIPS)	M_Z (IN.-KIPS)	M_R (IN.-KIPS)	$M_R/42" \cdot 2$ (KIPS)	P/6 (KIPS)	TOTAL LOAD (KIPS)
401-501	6	-41.83	2025.24	21969.91	22063.11	262.66	±6.97	269.63
	7	-1057.56	3517.46	17892.95	18235.44	217.09	±176.26	393.35
	8	185.93	-2373.55	-20769.45	20905.32	248.87	30.95	279.86
	9	1212.99	-3760.33	-16663.96	17082.97	203.37	202.17	405.53
403-503	6	-1757.48	2135.41	-11438.52	11636.21	138.55	±292.91	431.44
	7	-1101.96	3151.56	-17933.43	18203.21	216.77	±183.66	400.43
	8	1835.67	-2745.6	12445.19	12744.45	151.72	314.28	466.0
	9	1139.95	-3444.03	17656.05	17983.65	214.15	198.33	412.48
405-505	6	2005.73	-6189.8	-1583.77	6339.21	76.06	334.27	410.35
	7	2343.36	-7531.43	2396.42	7956.03	94.71	390.54	* 485.27
	8	-1903.57	5901.73	2770.75	6519.78	77.62	±317.26	394.88
	9	-2213.74	6706.93	-2130.01	7037.03	83.77	±369.96	452.73

NOTE: TOTAL LOAD IS MAXIMUM LOAD ON ONE SHIM PLATE.

CREST OFFSHORE, INC.

Sheet ____ of ____

By ADQ Client U.S. NAVY Subject DESIGN OF 23' MLW STRUCTURE
Date 8-5-26 Job No. 27-271-25 Calculation PILE JACKET CONNECTION

WIDTH OF SHIM

$$\frac{(48-3.5)\,\pi}{6} - 3.5 = 19.8$$

USE: 6 ~ 1" ℄ x 19.75" WIDE

8.3 CHECK JACKET TO SHIM

EFFECTIVE WELD = 1.75" - 0.0625" = 1.6875

ALLOWABLE LOAD = 15.8(0.70711)(1.6875) = 18.85

SLOT LENGTH = $\frac{485.27}{18.85(2)} = 12.87$

8.4 CHECK SHIM TO PILE

SHIM PLATE = 1.0" THICK

MAXIMUM WELD = 1.0 - 0.0625 = 0.9375

ALLOWABLE LOAD = 15.8(0.70711)(0.9375) = 10.47

LENGTH OF SHIM REQ'D. = $\frac{485.27}{10.47(2)} = 23.16$

8.5 CHECK SHIM STRESS

SHIM AREA = $19.75''^2$

$\sigma = \frac{P}{A} = \frac{485.27}{19.75} = 24.56 < 36 \times .6 \times 1.33 = 28.7$ ok

8.6 CHECK JACKET STRESS

JACKET EFFECTIVE AREA = 19.75 x 1.6875 = 33.33

$\sigma = \frac{P}{A} = \frac{485.27}{33.33} = 14.55 < 28.7$ ok

SECTION 9.0

PILE ANALYSIS

9.1 INTRODUCTION

This section determines the pile penetration and pile schedule of Structure 2.

First, the actual maximum pile loads are calculated. Then, these loads are used with the Pile Capacity Curves to establish the penetration required. Finally, the Pile Driving Resistance Curves are checked to insure that the piling can be driven to the desired penetration.

The pile schedules are devised to avoid any possible set-up problems while driving and to minimize field welding of the pile add-ons.

In addition, the P-Y curves for the site are included in this section. The P-Y curves are used in Section 6.0 for the space framing analysis.

The Pile Capacity Curves and the Pile Driving Resistance Curves are from the Foundation Analysis, Report No. 27-771.97.

Reference Drawings:

3016302 Jacket - Pile Details

CREST OFFSHORE, INC.

Sheet ____ of ____

By ROK Client U.S. NAVY Subject DESIGN OF 93' MLC STEEL

Date 8-23-96 Job No. 27-221-95 Calculation PILE ANALYSIS

9.2 PILE SUMMARY

SITE #2

Pile Axial Loads

Maximum Compressive Load	2914 K
Maximum Tension Load	1985.07 K

Piling Dimensions

Outside Diameter	42 in.
Penetration below Mudline (S.F.=1.5)	275 FT
Penetration below Mudline (S.F.=1.35)	255 FT
Minimum Wall Thickness	2.0 in

Conclusion

The pile schedule with the 2.0 in. uniform wall thickness must be used to assure drivability to required penetration of 275 FT for a safety factor of 1.5. In addition, equipment must be available to remove the internal plug by a controlled jetting and driving procedure should the need arise. No insert piling should be required.

9.3 Pile Loads

Maximum Computer Compressive Force = 2658.99
(Ref. Reactions, Ld. Ca. #7, Section 6.5, p6.25)

Weight of piling below Mudline

42"ϕ x 2.0	=	200' x 0.854#/ft	= 170.8
42"ϕ x 2.375	=	75' x 1.002#/ft	= 75.2
Splice Points	=	32' x 0.218#/ft	= 9#
			255#

Total Maximum Compressive Pile Load = 2914#

Maximum Computer Tension Force = 2184.34#
(Ref. Reactions, Ld Ca #9, Section 6.5, p 6.27)

Weight of Piling below Mudline = 255.0

Live Load on Decks

Upper Deck - 0.42#/ft x 29ft	=	12#
Equipment Deck - (1.5#/ft)(14.5ft) + (0.63#/ft)(14.5ft)	=	31
		43#

Total Maximum Tension Pile Load

2184 - 255 + 43 = 1972#

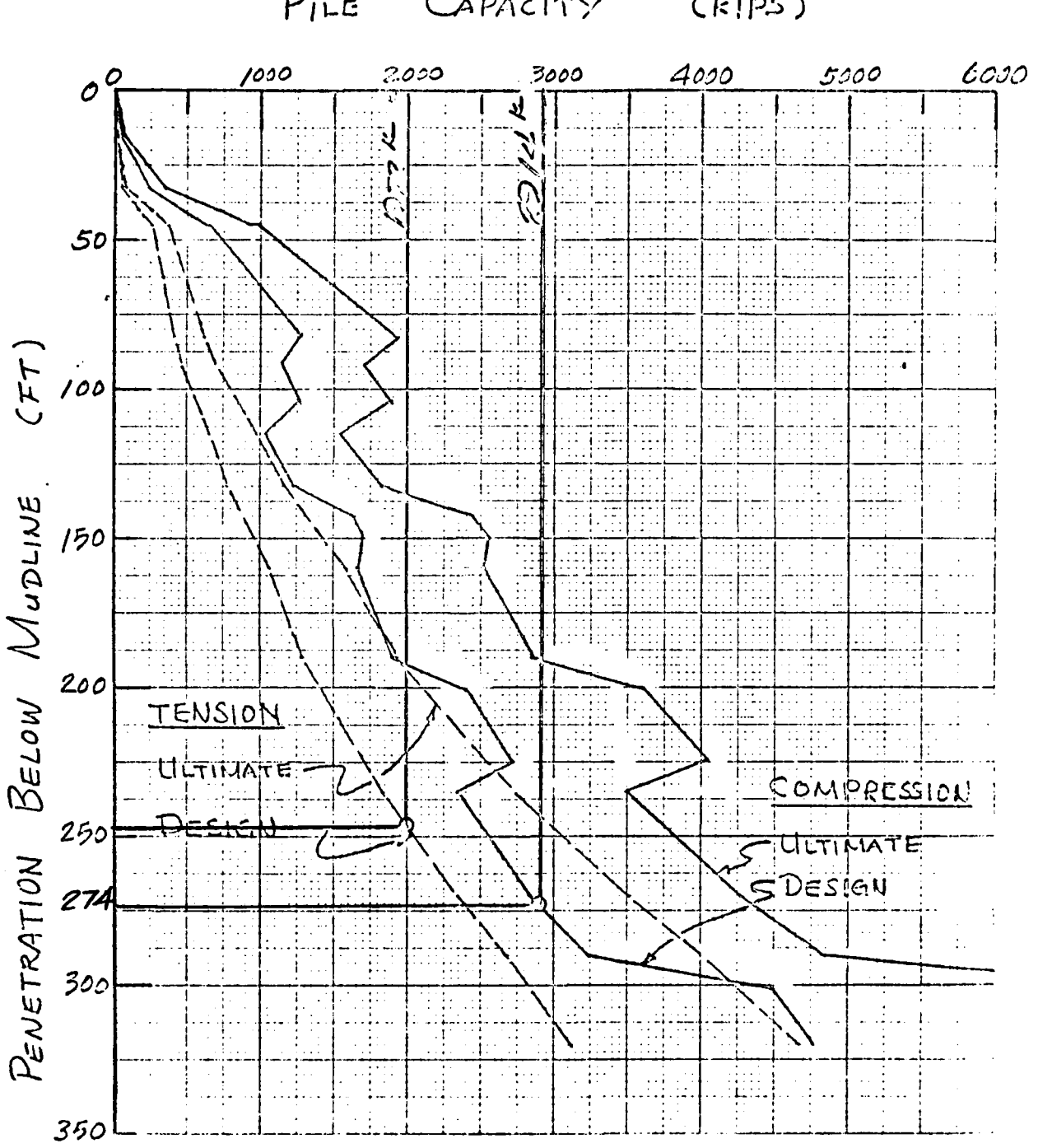
CREST OFFSHORE, INC.

Sheet ___ of ___

By C. Chern Client U.S. NAVY Subject Foundation Analysis

Date 6-1-76 Job No. 27-771-97 Calculation Pipe Pile Capacity Curves

9.4 PILE CAPACITY CURVE



42-IN. DIAMETER PIPE PILES

(Boring #2)

CREST OFFSHORE, INC.

Sheet ___ of ___

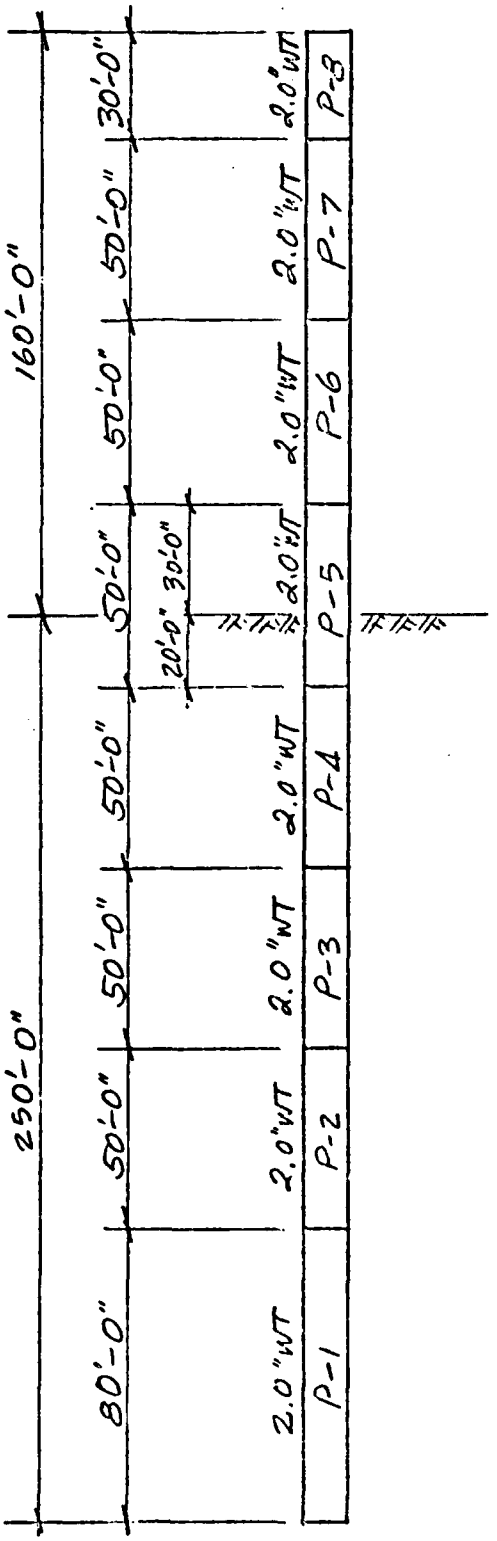
By C. Chern Client U.S. NAVY Subject Foundation Analysis

Date 6-25-76 Job No. 27-72-97 Calculation Pile Driving Resistance Curves

9.5 DRIVING RESISTANCE CURVES

MLW = 93 FT

250 FT Penetration



Vulcan 560 Hammer
Wt. of Ram = 60,000 lbs
Rated Energy = 300,000 ft-lbs
Hammer Efficiency = 0.75
Wt. of Pile Cap = 42,000 lbs

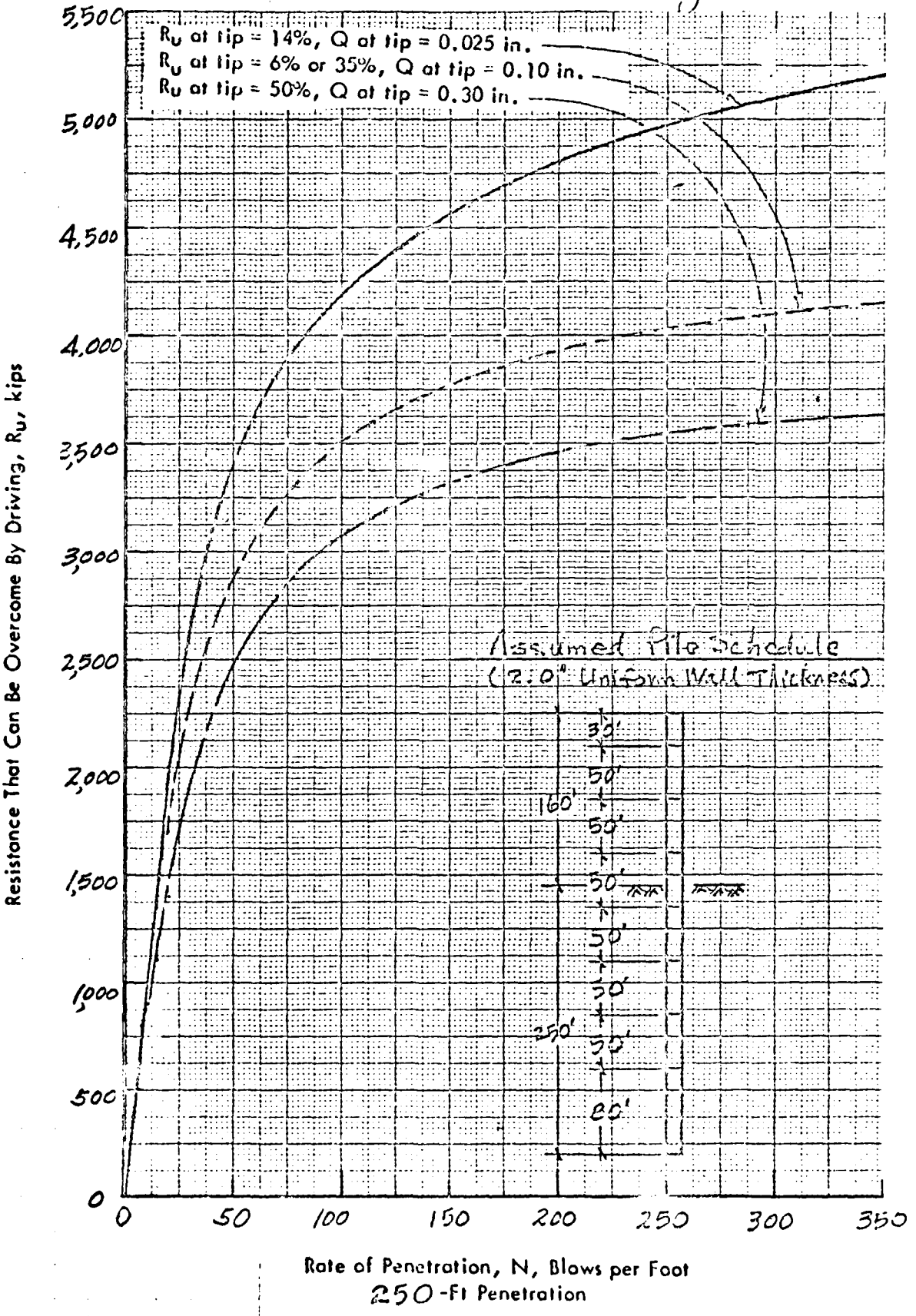
Spring Constant = 6.2×10^6 lbs/in.
Damping Factor, side & tip, J = 0.15
Quake Factor, side, Q = 0.10
Quake Factor, tip, - See Above

CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Foundation Analysis

Date 6-28-76 Job No. 27-27-01 Calculation Pile Driving Resistance Curve



CREST OFFSHORE, INC.

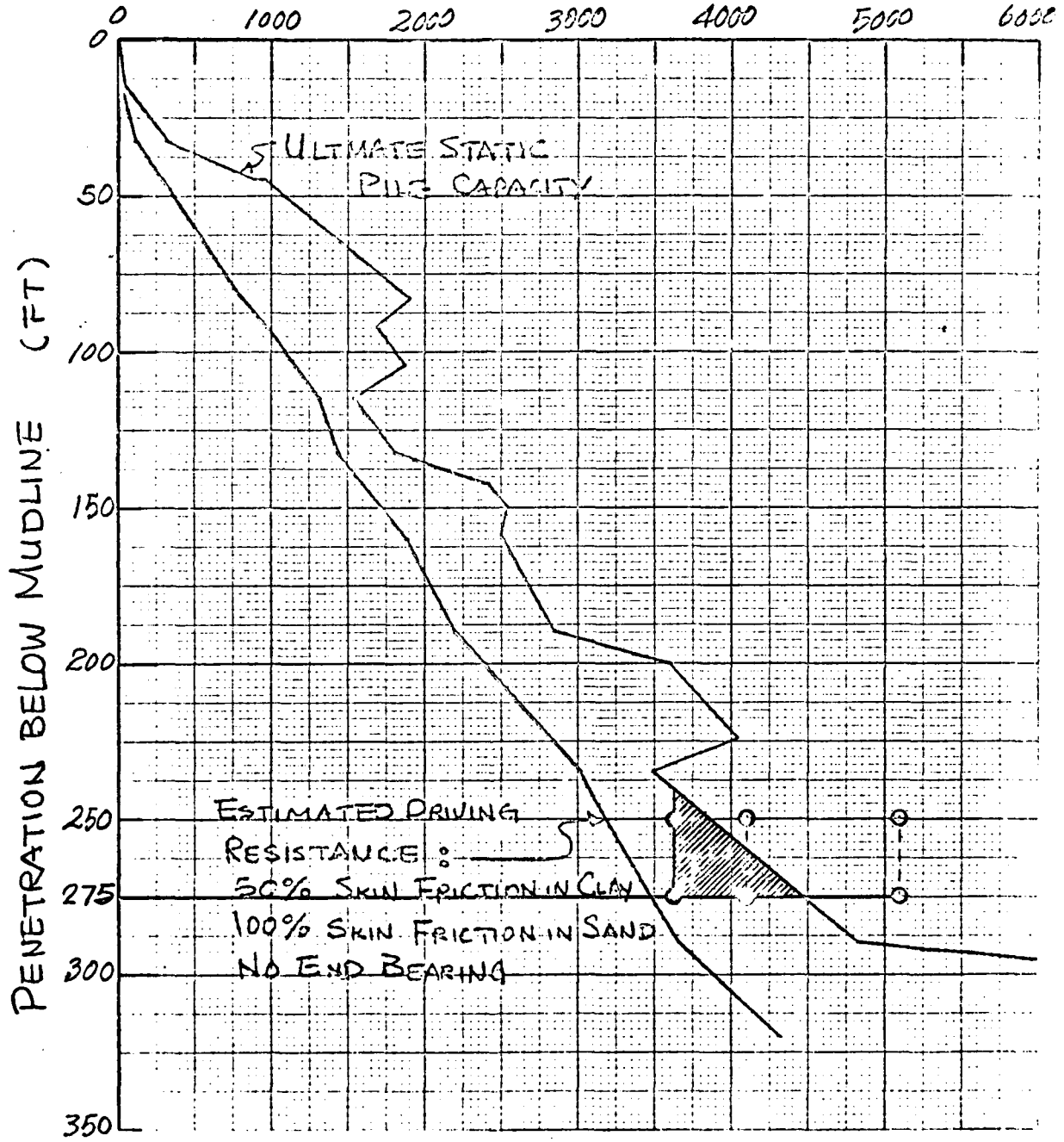
Sheet ___ of ___

By C. Chern Client U.S. NAVY Subject Foundation Analysis

Date 6-4-76 Job No. 27-771-97 Calculation Pile Driving Resistance Curve

ULTIMATE STATIC PILE CAPACITY (KIPS)

ESTIMATED DRIVING RESISTANCE (KIPS)



2-in Uniform Wall

(Boring #2)

42-IN DIAMETER PIPE PILES

CREST OFFSHORE, INC.

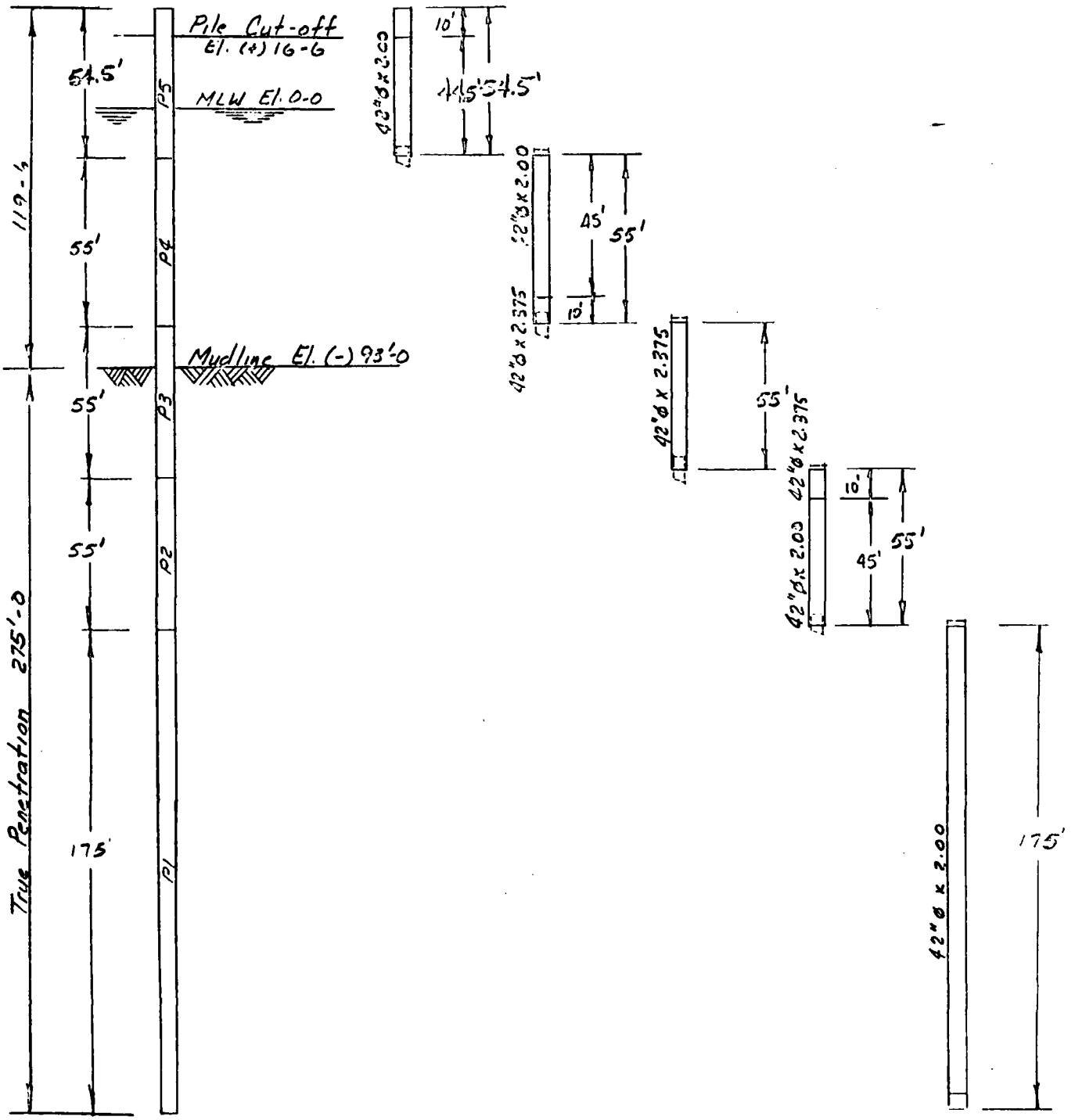
Sheet ____ of ____

By J. Talbot Client U.S. Navy Subject Design of 93' MLW Structure

Date 8-23-76 Job No. 27-771-95 Calculation Pile Analysis

9.6 PILE SCHEDULE

Site #2

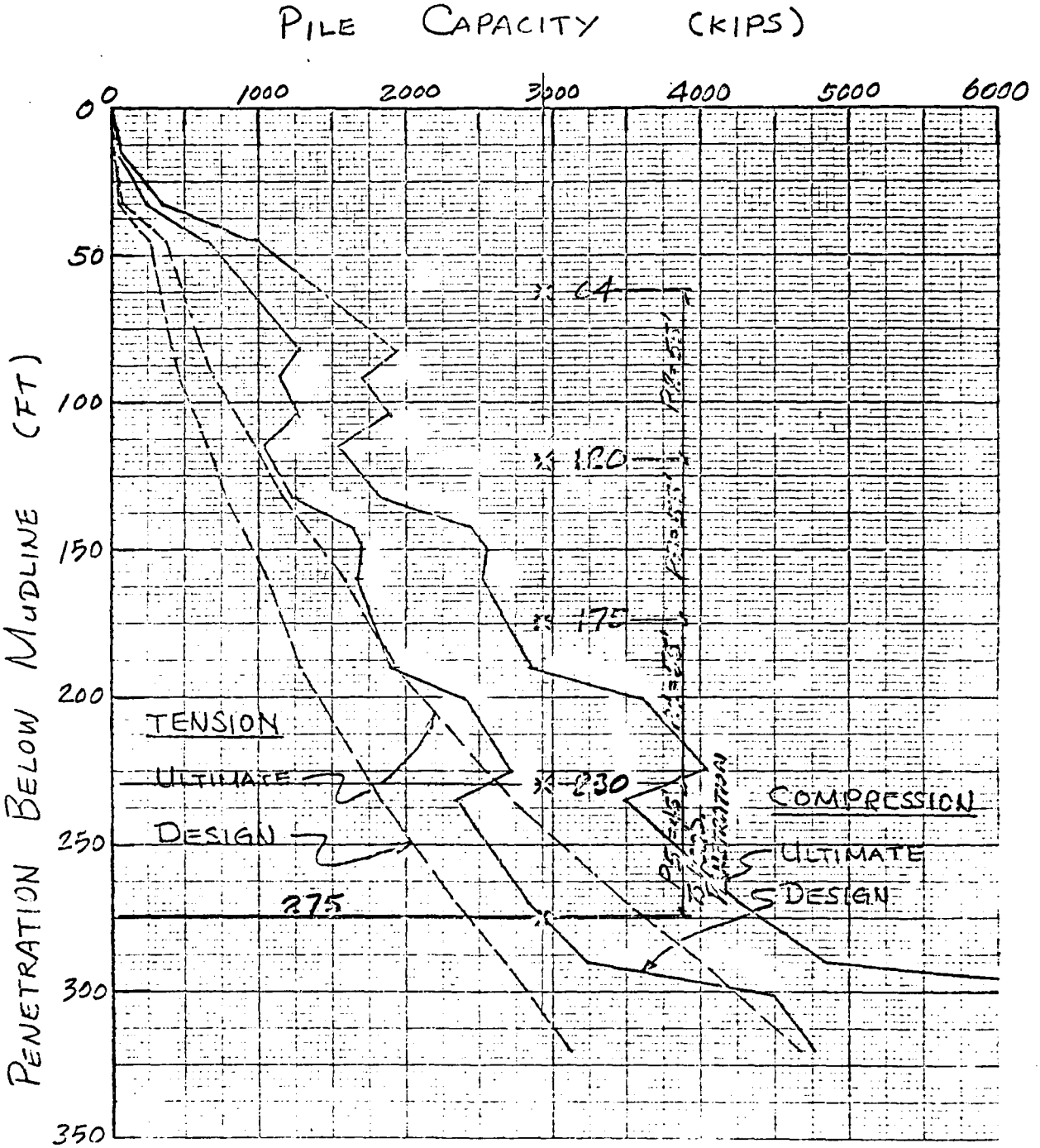


CREST OFFSHORE, INC.

Sheet ___ of ___

By C. Chern Client U.S. NAVY Subject Foundation Analysis

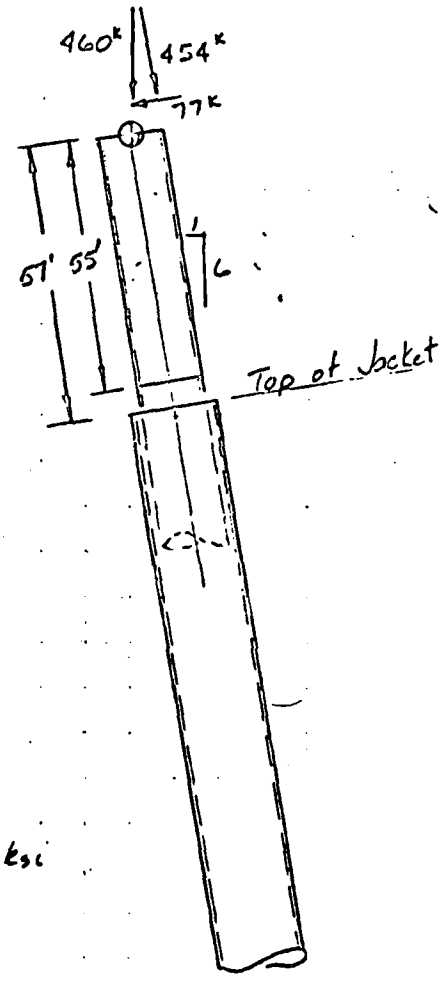
Date 6-1-76 Job No. 27-771-97 Calculation Pipe Pile Capacity Curves



42-IN. DIAMETER PIPE PILES

(Boring #2)

Check Maximum Length of Pile Add-on -



Weight of Hammer w/ Leads = 230 K

Using an impact factor of 2.0,

Total Vertical Load = 460 K

Weight of Piling (42" x 2.375") = 0.084 K/in

Assume L = 57 ft. = 684 in

$$f_{b_{hammer}} = \frac{PL}{S} = \frac{77^K \times 684\,in}{2400\,in^3} = 22.0\ ksi$$

$$f_{b_{Piling}} = \frac{wl^2}{2S} = \frac{0.084\,K/in\ (684\,in)^2}{2 \times 2400\,in^3} = 1.4\ ksi$$

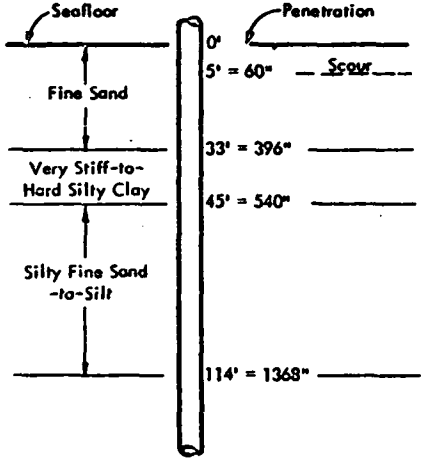
$$f_{b_{total}} = 23.4\ ksi$$

$$f_{a_{Total}} = \frac{454^K}{251\,in^2} + \frac{0.084\,K/in\ (684)}{251\,in^2} = 2.0\ ksi$$

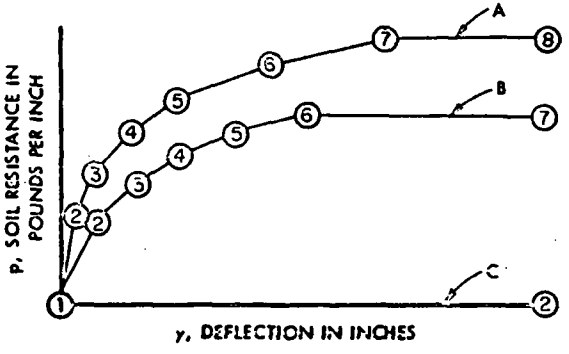
$$f_{total} = 22.0 + 1.4 + 2.0 = 25.4\ ksi < 30\ ksi$$

OK

42—IN. DIAMETER PIPE PILES																			
Penetration, Inches	Typical Curve	Coordinates of Curve Points																	
		y1	P1	y2	P2	y3	P3	y4	P4	y5	P5	y6	P6	y7	P7	y8	P8	y9	P9
0 & 60	C	0	0	20.00	0														
96	A	0	0	0.049	107	0.12	129	0.27	153	0.43	169	0.70	188	1.58	237	20.00	237		
168	A	0	0	0.036	366	0.11	611	0.26	906	0.42	1136	0.70	1440	1.58	2274	20.00	2274		
288	A	0	0	0.069	1204	0.14	1681	0.28	2347	0.43	2896	0.70	3644	1.58	5830	20.00	5830		
396	A	0	0	0.12	2789	0.18	3444	0.31	4456	0.45	5337	0.70	6572	1.58	10515	20.00	10515		
397	B	0	0	0.064	1354	0.16	1838	0.40	2494	1.01	3384	2.52	4594	20.00	4594				
540	B	0	0	0.064	2321	0.16	3150	0.40	4275	1.01	5802	2.52	7875	20.00	7875				
541	A	0	0	0.078	2532	0.15	3433	0.29	4719	0.44	5791	0.70	7259	1.53	11615	20.00	11615		
780	A	0	0	0.075	3542	0.15	4840	0.28	6680	0.44	8210	0.70	10303	1.53	16435	20.00	16435		
1080	A	0	0	0.073	4756	0.14	6551	0.28	9079	0.44	11176	0.70	[illegible]	1.53	22454	20.00	22454		
1081	A	0	0	0.023	1499	0.093	3003	0.25	4689	0.41	5909	0.70	[illegible]	1.53	12909	20.00	12909		
1140	A	0	0	0.023	1581	0.098	3167	0.25	4945	0.41	6314	0.70	[illegible]	1.53	13601	20.00	13601		
1368	A	0	0	0.022	1838	0.097	3728	0.25	5833	0.41	7452	0.70	9594	1.53	15350	20.00	15350		



STRATIGRAPHY ASSUMED FOR P-Y DATA



TYPICAL CURVES

P-Y DATA

BORING 2

PLATE 2

7.12

0276-041

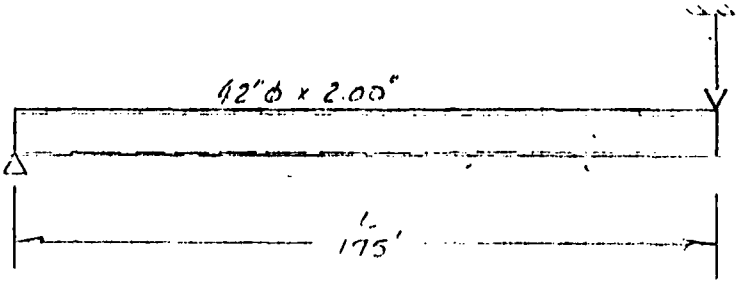
CREST OFFSHORE, INC.

Sheet ___ of ___

By J. Talbot Client U.S. Navy Subject Design of 23' Mat Structure

Date 8-23-76 Job No. 27-771-96 Calculation Pile Analysis

Check Maximum Length of Pile for Pick-up"



42"ϕ x 2.00" - ω = 0.859 k/ft

$$M_{max} = \frac{\omega \ell^2}{8} = 3270 \text{ ft. kips}$$

$$f_b = \frac{M}{S} = \frac{3270 \text{ ft kips} \times 12}{2400 \text{ in}^3} = 16.3 \text{ ksi}$$

16.3 ksi < 21.6 ksi ∴ OK

SECTION 10.0

INSTALLATION ANALYSES

10.1 INTRODUCTION

This section contains the analyses considered pertinent to the installation of the structure.

Section 10.2 includes the check of the stresses on the structural members at the mudline due to the soil pressure on the jacket before the piling can be attached to the jacket.

Section 10.3 is the analysis of the recommended lifting eyes for the jacket lift. For the analysis of the recommended lifting eyes for the superstructure, refer to Report No. 27-771-98.

Section 10.4 is the lift analysis for the jacket. The computer output for the analysis is in Appendix B.8. For the lift analysis of the superstructure, refer to Report No. 27-771-98.

Section 10.5 contains the floatation analysis for the jacket.

Reference Drawings:

3016290	Jacket - Elevations
3016291	Jacket - Plan at El. (+) 12'-0"
3016292	Jacket - Plan at El. (-) 12'-0" & (-) 39'-0"
3016293	Jacket - Plan at El. (-) 66'-0" & (-) 93'-0"
3016297	Jacket - Lift Eye Details

CREST OFFSHORE, INC.

Sheet ____ of ____

By D.E.R. Client U.S. NAVY Subject DESIGN OF 28' MLP STRUC.
Date 9-1-76 Job No. 27-22-28 Calculation INSTALLATION ANALYSIS

10.2 SOIL PRESSURE ON STRUCTURE

WEIGHT OF JACKET = 352.86^K

WEIGHT OF 1 PILE (163') = 139.2^K

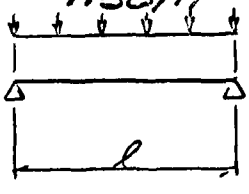
BUOYANT WEIGHT OF JACKET = 153.61^K

WEIGHT = 352.86 + 139.2 − 153.61 = 338.45^K

BEARING AREA OF BRACES = 58917.6 IN^2

BEARING STRESS ON BRACE = $\frac{338.45^K}{58917.6}$ = 5.7 $\#/IN^2$

CHECK BENDING STRESS IN BRACES

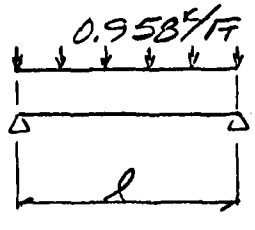


BRACE: 20"Ø x 0.625 WALL
l = 30.3073'

W = 1.38^K x 30.3073' = 41.82^K

$M_{MAX} = \frac{Wl}{8}$ = 158.4^{IK}

BRACE STRESS = $\frac{158.4 \times 12}{176.7}$ = 10.64 KSI (PINNED



BRACE: 14"Ø x 0.375 WALL
l = 30.3073

W = 0.958^K x 30.3073' = 29.02^K

$M_{MAX} = \frac{WL}{8}$ = 109.95^{IK} FIXED ENDS $M_{MAX} = \frac{WL}{12}$ = 73.3^{IK}

BRACE STRESS = $\frac{109.95 \times 12}{53.2}$ = 24.8 KSI (PINNED)

CREST OFFSHORE, INC.

Sheet ___ of ____

By FRR Client U.S. NAVY Subject DESIGN OF 23' MLU STRUCTURE
Date 7-1-76 Job No. 27-721-25 Calculation INSTALLATION ANALYSIS

CHECK BENDING STRESS IN BRACES CONT'D.

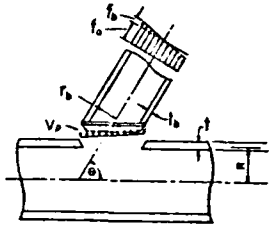
$$\text{BRACE STRESS} = \frac{73.3 \times 12}{53.2} = 16.53^{KSI} \quad (\text{FIXED})$$

$$V_p = Q_f Q_q \frac{F_y}{0.9\gamma^{0.7}} \quad \begin{matrix}(\text{plus } \tfrac{1}{3} \text{ increase} \\ \text{where applicable})\end{matrix} \quad \ldots(23)$$

Where

F_y = the yield strength of the chord member at the joint (or ⅔ the tensile strength if less)

$\gamma = R/t$, the chord radius divided by the chord thickness.



GIVEN THE JOINT GEOMETRY AS DEFINED BY γ, β, θ AND β AS WELL AS BRACE STRESSES f_a AND f_b, THE FOLLOWING MAY BE USED TO DETERMINE THE CALCULATED PUNCHING SHEAR V_p:

$$V_p = \gamma\left(\sin\theta\ \frac{f_a}{k_a} + \frac{f_b}{k_b}\right)$$

Q_q is a design factor for the brace to chord diameter ratio, β.

$Q_q = 1.0$ for $\beta \leq 0.6$

$Q_q = \dfrac{0.3}{\beta\,(1-.833\beta)}$ for $\beta > 0.6$

Q_f is a design factor for the presence of axial load in the chord.

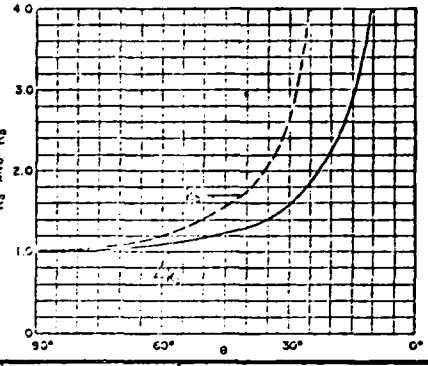
$Q_f = 1.0$ for $A \leq 0.44$

$Q_f = 1.22 - 0.5A$ for $A > 0.44$

Where A is the AISC ratio for the chord, i.e.

$$A = \frac{|f_a| + |f_b|}{0.6\,F_y} \quad \begin{matrix}(\text{⅓ increase} \\ \text{applicable to} \\ \text{denominator})\end{matrix}$$

RELATIVE LENGTH AND SECTION FACTORS FOR NONCIRCULAR INTERSECTION CURVE



CREST OFFSHORE, INC.

By DERO Client LOS ALAMOS Subject LOS ALAMOS - 25' DIA. WELL TEMPLATE

Date 2-11-76 Job No. 22-221-33 Calculation ANALYSIS OF TEMPLATE LEGS

Sheet ___ of ___

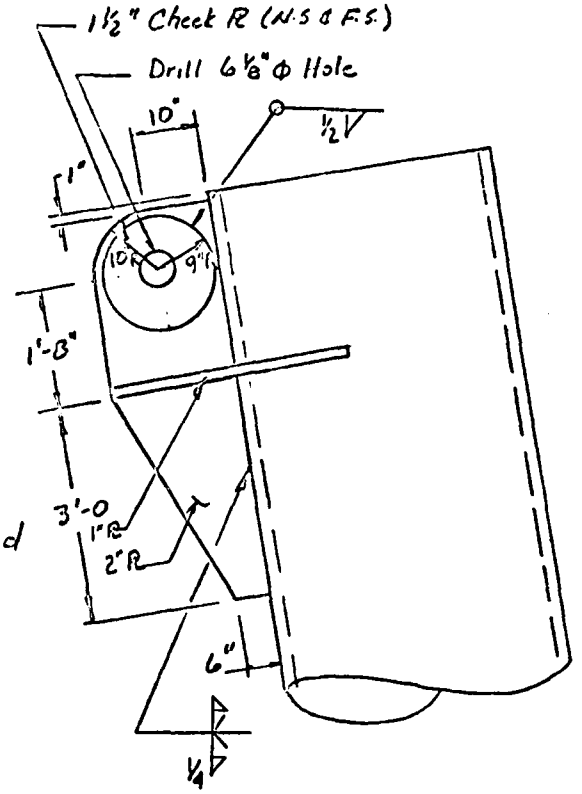
Jt.	Loc.	BRACE Member Size	f_a (ksi)	f_b (ksi)	CHORD Member Size	U.C.	GEOMETRY PARAMETERS γ r_b/t	β r_b/R	τ R/t	PUNCHING SHEAR PARAMETERS θ	K_a	K_b	ALLOWABLE PARAMETER C_β	Q_f	RESULTS V_p	V_p
		HP X 0.375	—	13.53	24ϕ X 0.875	—	0.857	0.539	13.21	60.0	1.1	1.2	1.0	1.0	5.11	6.57
		16ϕ X 0.75	1.40	—	24ϕ X 0.875	—	0.857	0.667	13.21	46.2	1.233	1.53	1.0	1.0	0.80	6.57

10.3 Lifting Eyes - Jacket

Vertical Lift

Weight of Jacket = 380^K
(excluding boat landing & bumpers)

Assumptions:
1. Entire weight is at one lift eye.
2. Impact Factor of 2.0
3. Total applied load can be acting completely horizontal or completely vertical.
4. Sling $\theta = 60°$ for maximum load



$\therefore$ Max P = 880^K at $\theta = 60°$

Check Shear in Pin

Use 6.00" Pin in double shear

$$f_s = \frac{P}{A} = \frac{880^K}{2(\pi\, 3.00^2)} = 15.6 \text{ ksi}$$

$$F_s = 0.4\,(36 \text{ ksi}) \times 1.33 = 19.2 \text{ ksi}$$

$$15.6 < 19.2$$

By J. Talbot Client U.S. Navy Subject Design of 73' MLM Structure
Date 8-17-76 Job No. 27-771-95 Calculation LIFTING EYE ANALYSIS

Lifting Eyes - Jacket

Vertical Lift

Check Bearing on Plate

$$f_{br} = \frac{P}{Dt} = \frac{880^k}{(6.00)(5.00)} = 29.3 \text{ ksi}$$

$$F_{br} = 0.9(36 \text{ ksi}) = 32.4 \text{ ksi}$$

$$29.3 < 32.4$$

Check Pin Shearing Through Plates

$$A = 4[(9-3) \times 1.5] + 2[(10-3) \times 2]$$

$$A = 36 + 28 = 64 \text{ in}^2$$

$$f_s = \frac{880^k}{64 \text{ in}^2} = 13.8 \text{ ksi}$$

$$F_s = 0.4(36 \text{ ksi}) \times 1.33 = 19.2 \text{ ksi}$$

$$13.8 < 19.2$$

Lifting Eyes - Jacket

Vertical Lift

Check Tension Through Lift Eye

$$A = 4[(9-3) \times 1.5] + 2[(10-3) \times 2.0]$$

$$A = 64 in^2$$

$$f_t = \frac{880^k}{64\ in^2} = 13.8\ ksi$$

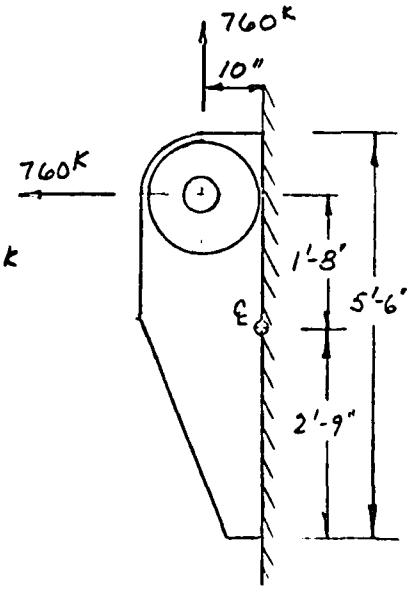
$$F_t = 0.6(36\ ksi) \times 1.33 = 28.7\ ksi$$

$$13.8 < 28.7$$

Check Combined Bending and Tension

Shear Force = 760^k

Tension Force = 760^k (Conservative)



$$M_{\mathbb{E}} = 760^k \times 20" - 760^k \times 10" = 7600\ in\text{-}k$$

$$f_s = \frac{760^k}{(66")(2")} = 5.8\ ksi$$

$$f_n = \frac{7600(6)}{2"\ (66")^2} + \frac{760^k}{(66")(2")} = 11.0\ ksi$$

Using Mohr's Circle,

$$f_{n\,max} = \frac{11.0}{2} + \left[\left(\frac{11.0}{2}\right)^2 + (5.8)^2\right]^{1/2} = 13.5\ ksi$$

$$F_n = 0.6(36\ ksi) \times 1.33 = 28.7 > 13.5$$

By J. Talbot Client U.S. Navy Subject Design of 23M Mod Structure
Date 8-17-76 Job No. 27-771-95 Calculation LIFTING EYE ANALYSIS

Lifting Eyes - Jacket

Vertical Lift

Assuming an average shear distribution,

$$f_{s\,max} = \left[\left(\frac{11.0}{2} \right)^2 + (5.8)^2 \right]^{1/2} = 8.0 \text{ ksi}$$

$$F_s = 0.4\,(36 \text{ ksi}) \times 1.33 = 19.2 \text{ ksi} > 8.0$$

Assume shear distribution parabolic, maximum shear at center of plate.

$$f_s = 1.5\,(5.8) = 8.7 \text{ ksi}$$

$$f_n = \frac{760}{(66")(2.0")} = 5.8 \text{ ksi}$$

$$f_{s\,max} = \left[\left(\frac{5.8}{2} \right)^2 + (8.7)^2 \right]^{1/2} = 9.2 \text{ ksi}$$

$$9.2 < 19.2$$

Check Weld of Cheek Plates

$$\frac{A_R}{A_{Total}} = \frac{1.5}{5.0} = 0.30$$

$$P_{shear} = 880^K \times 0.30 = 264^K$$

$$\frac{P}{C} = \frac{264^K}{\pi\, 18"} = 4.7 \text{ K/in}$$

$$\omega = \frac{4.7}{11.2} = 0.42 \text{ in} \qquad \text{Use } \tfrac{1}{2}\text{" fillet Weld}$$

CREST OFFSHORE, INC.

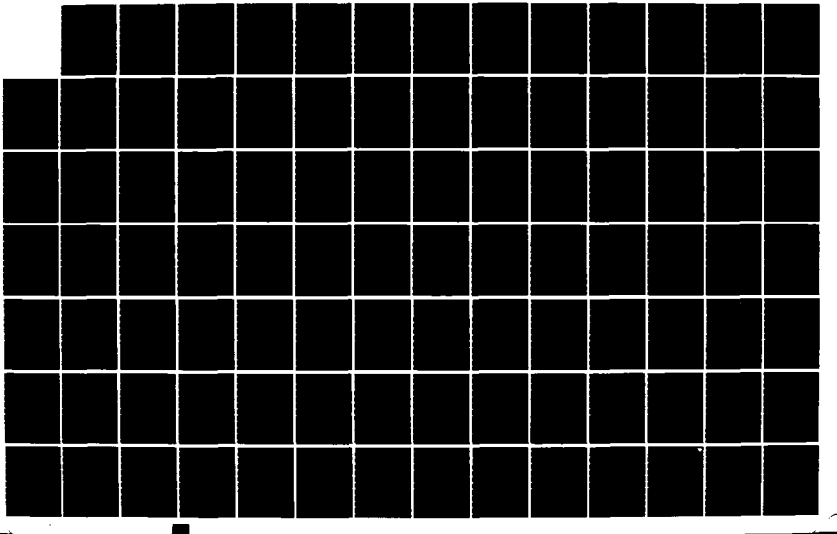
Sheet ____ of ____

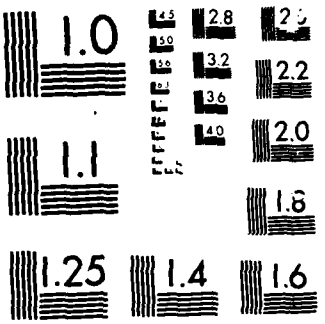
By SHAC Client U.S. NAVY Subject DESIGN OF 3B MLU STRUCT
Date 2-3-26 Job No. 22-22L-3E Calculation LIFT ANALYSIS

10.4 LIFT ANALYSIS

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





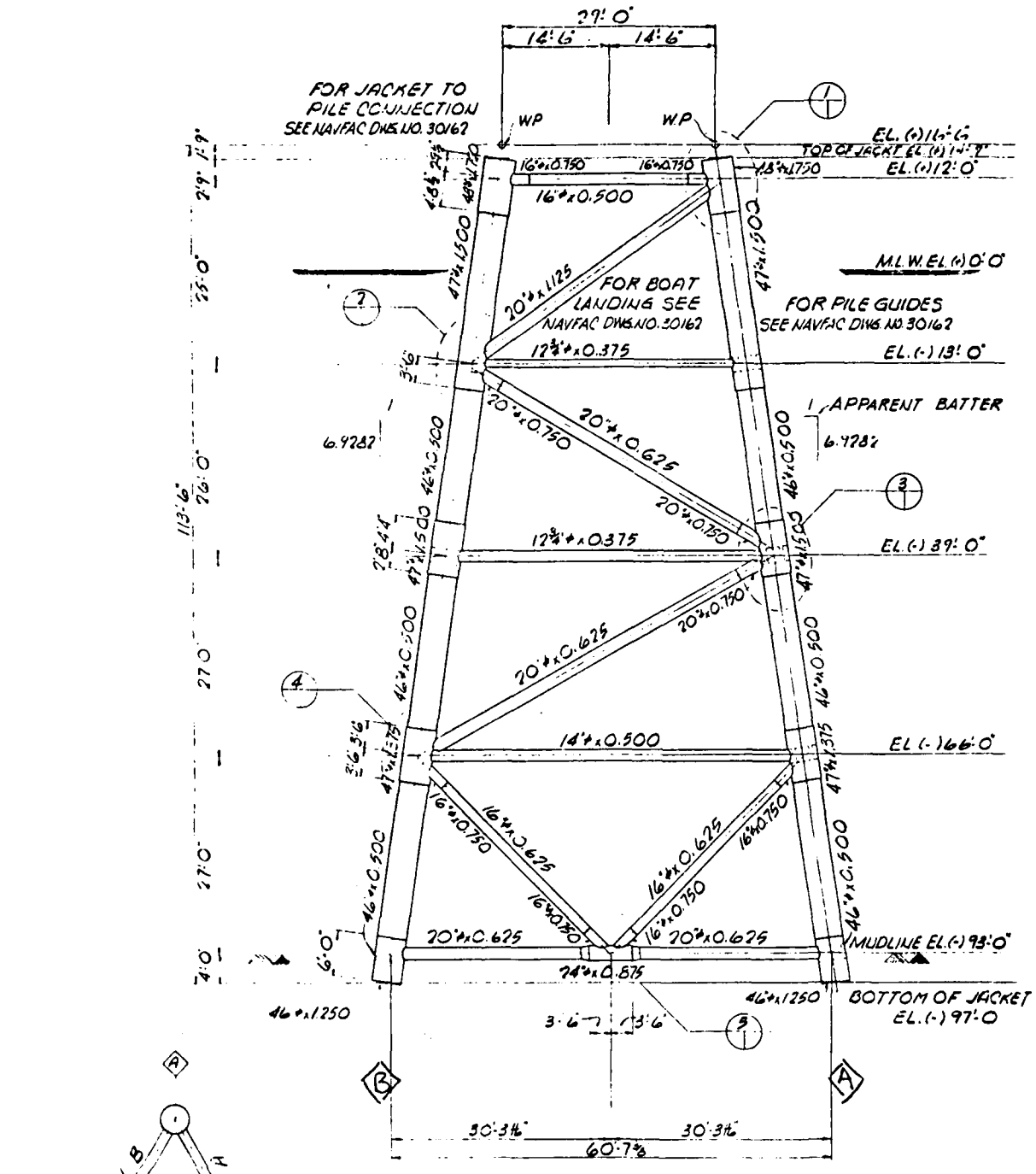
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

CREST OFFSHORE, INC.

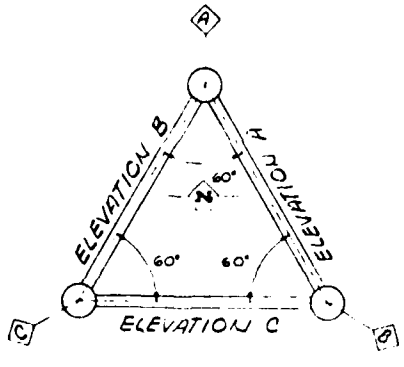
Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-23-76 Job No. 82-771-21 Calculation Platform



ELEVATION A

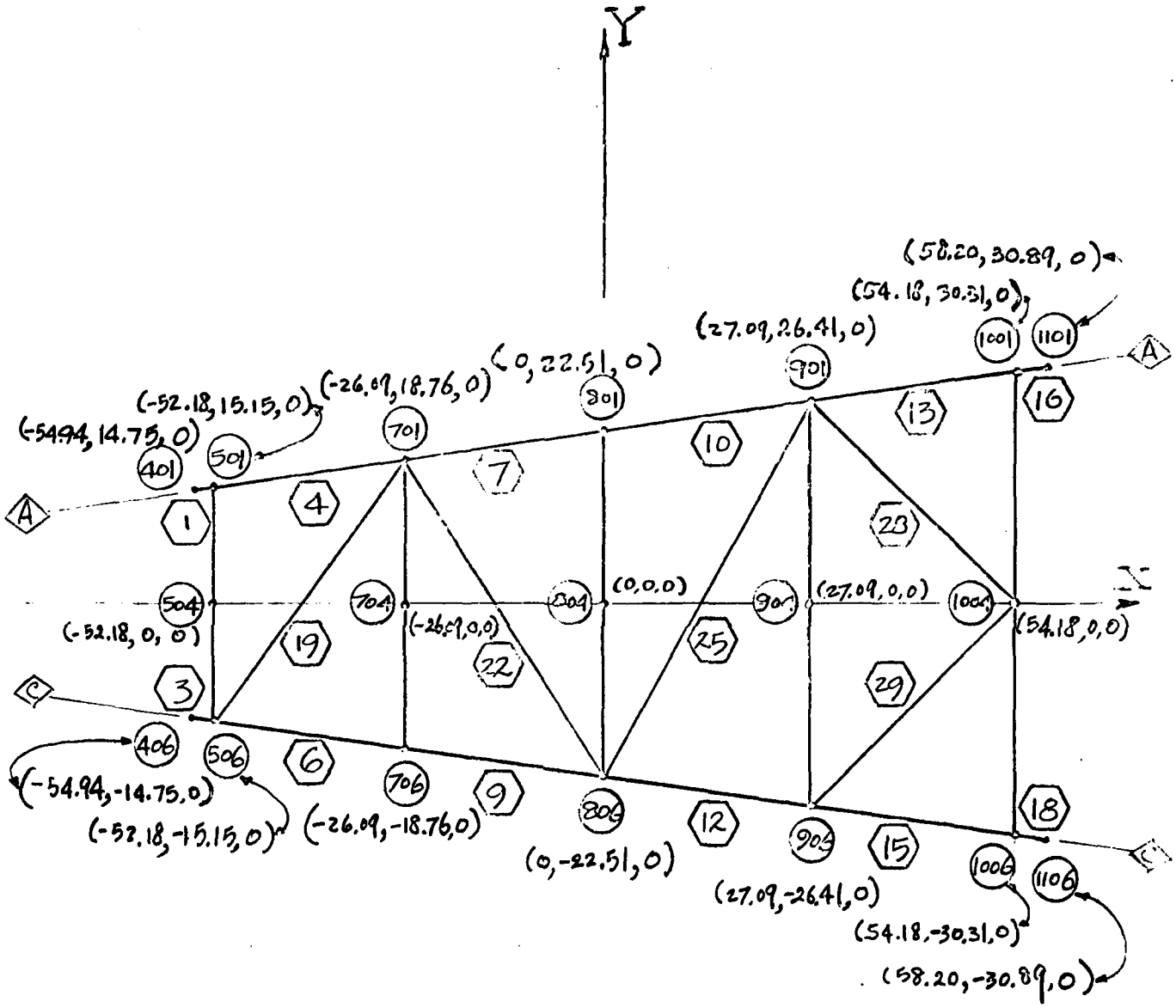


KEY PLAN

CREST OFFSHORE, INC.

Sheet ___ of ___

By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-20-76 Job No. 27-771-01 Calculation Platform 2



$$27 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 27.09$$

$$58 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 58.20$$

$$26 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 26.09$$

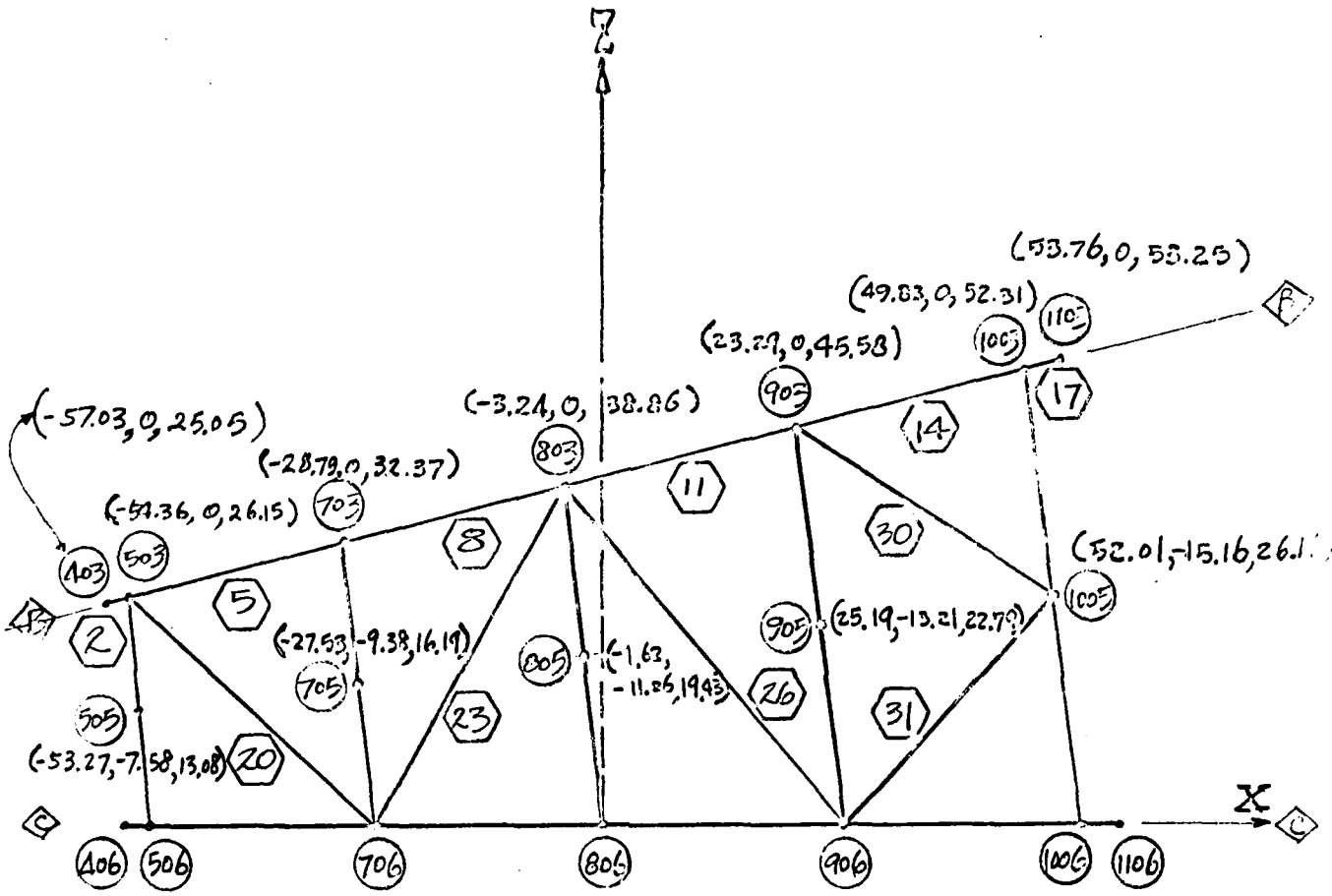
$$54.75 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 54.94$$

CREST OFFSHORE, INC.

Sheet ___ of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-20-76 Job No. 27-121-01 Calculation Platform #2



JOINT

703 $32.48 \times \frac{12}{\sqrt{145}} = 32.37$

$32.48 \times \frac{1}{\sqrt{145}} = 2.70$

503 $26.24 \times \frac{12}{\sqrt{145}} = 26.15$

$26.24 \times \frac{1}{\sqrt{145}} = 2.18$

403 $25.14 \times \frac{12}{\sqrt{145}} = 25.05$

$25.14 \times \frac{1}{\sqrt{145}} = 2.09$

JOINT

1003 $52.49 \times \frac{12}{\sqrt{145}} = 52.31$

$52.49 \times \frac{1}{\sqrt{145}} = 4.35$

903 $45.74 \times \frac{12}{\sqrt{145}} = 45.58$

$45.74 \times \frac{1}{\sqrt{145}} = 3.80$

803 $38.99 \times \frac{12}{\sqrt{145}} = 38.86$

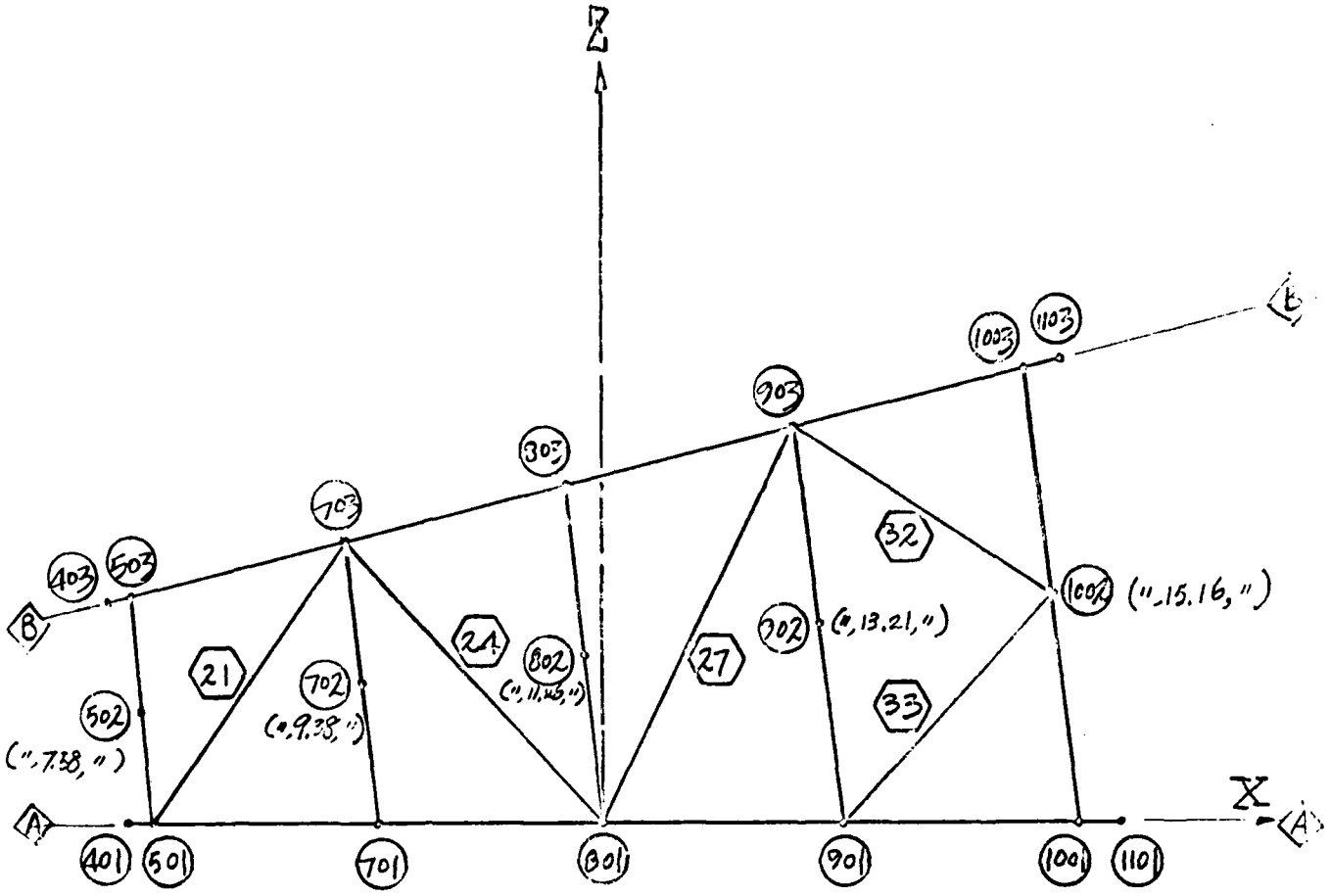
$38.99 \times \frac{1}{\sqrt{145}} = 3.24$

CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-20-76 Job No. 27-771-01 Calculation Platform #2

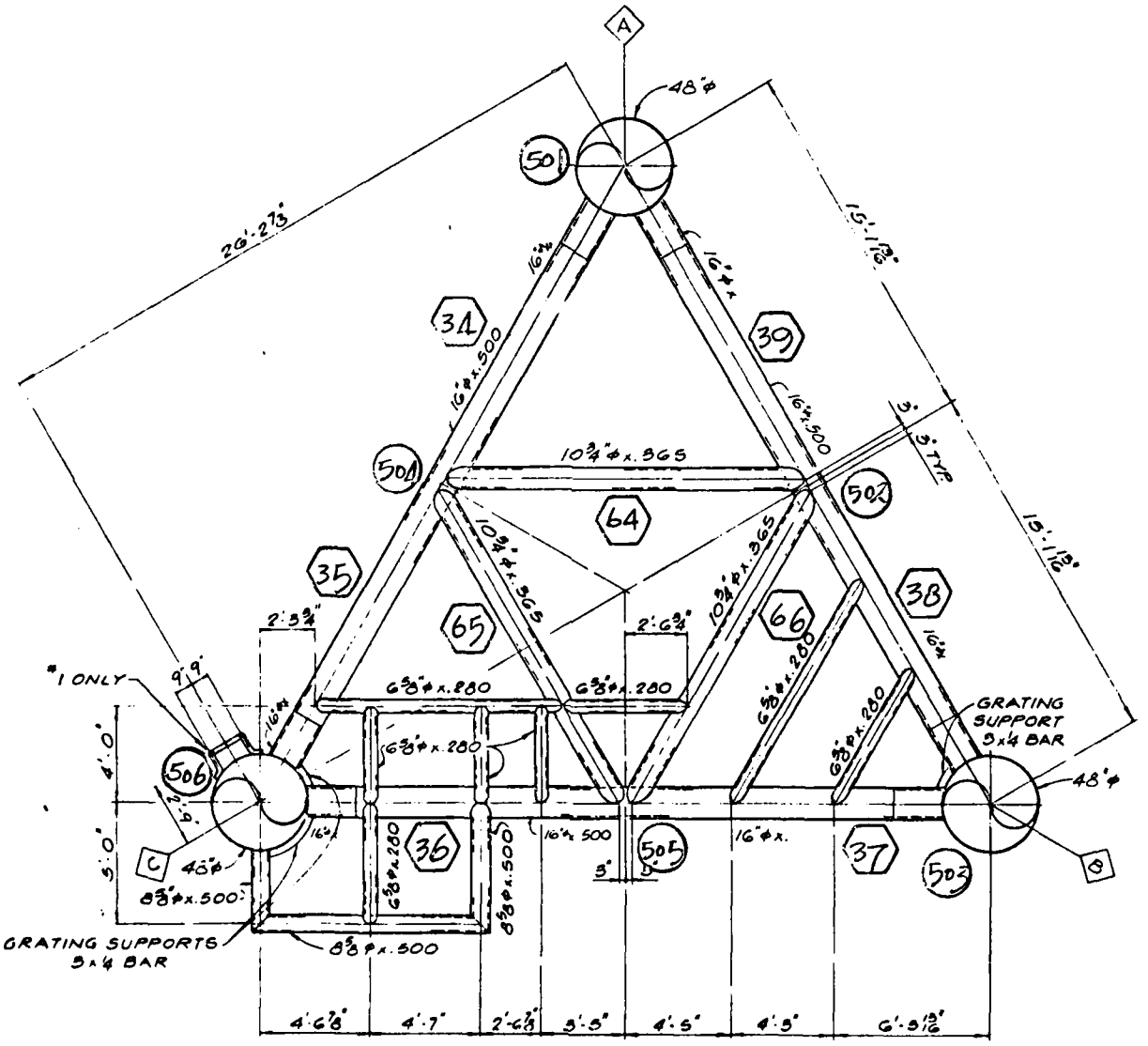


CREST OFFSHORE, INC.

Sheet ___ of ___

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-23-76 Job No. 27-771-01 Calculation Platform

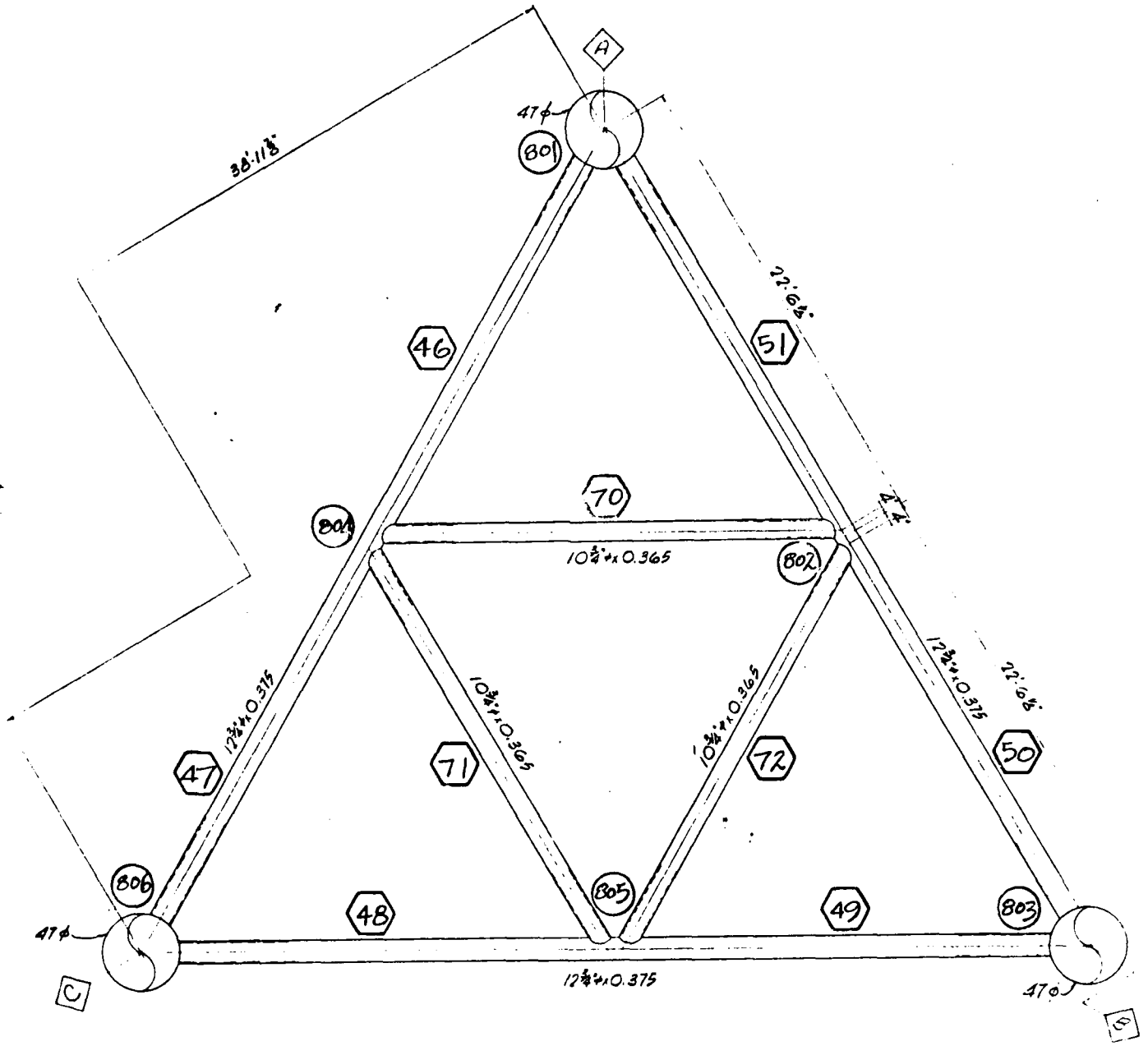


CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-23-76 Job No. 27-77L-01 Calculation Platform #2

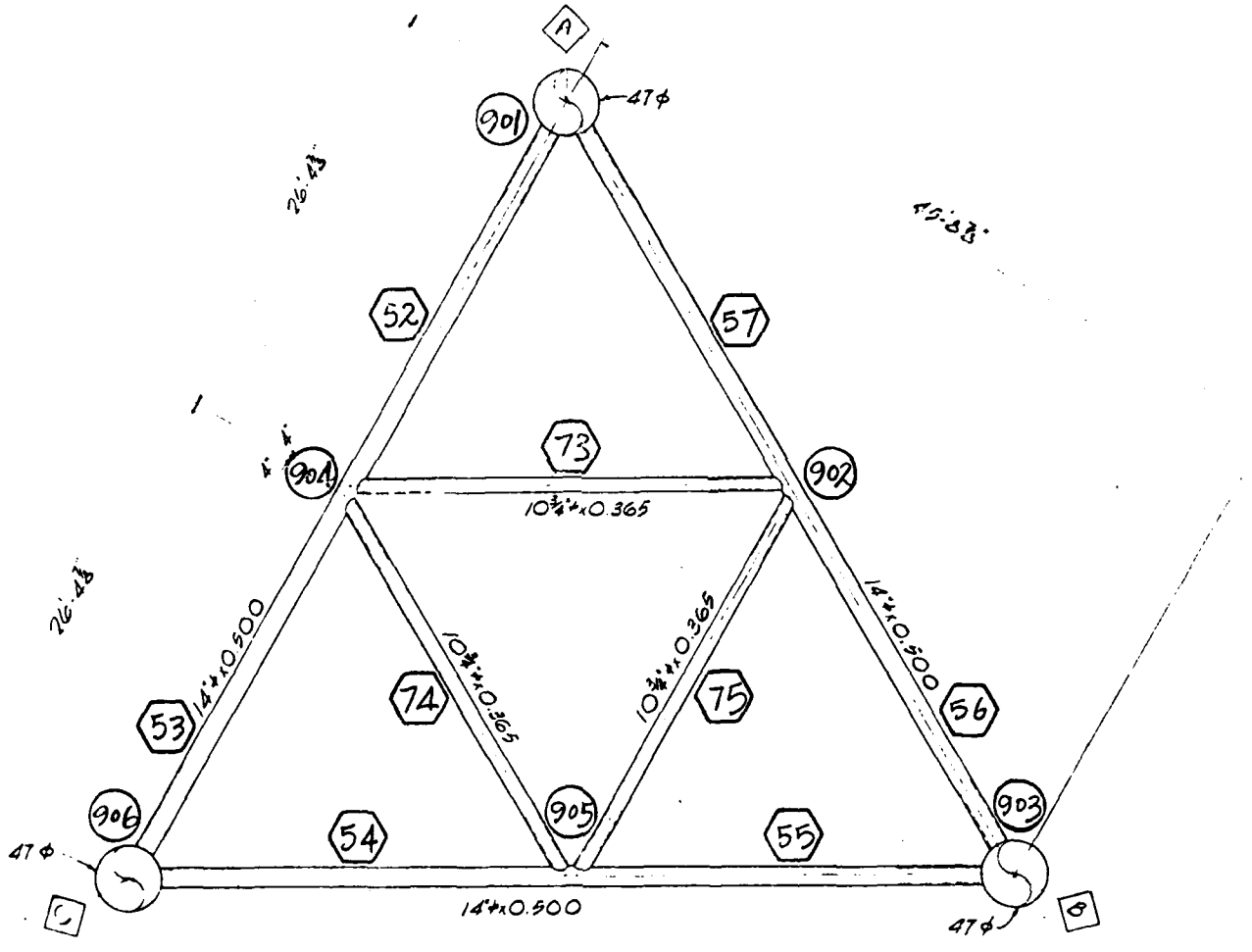


CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-23-76 Job No. 27-771-2L Calculation Platform #1

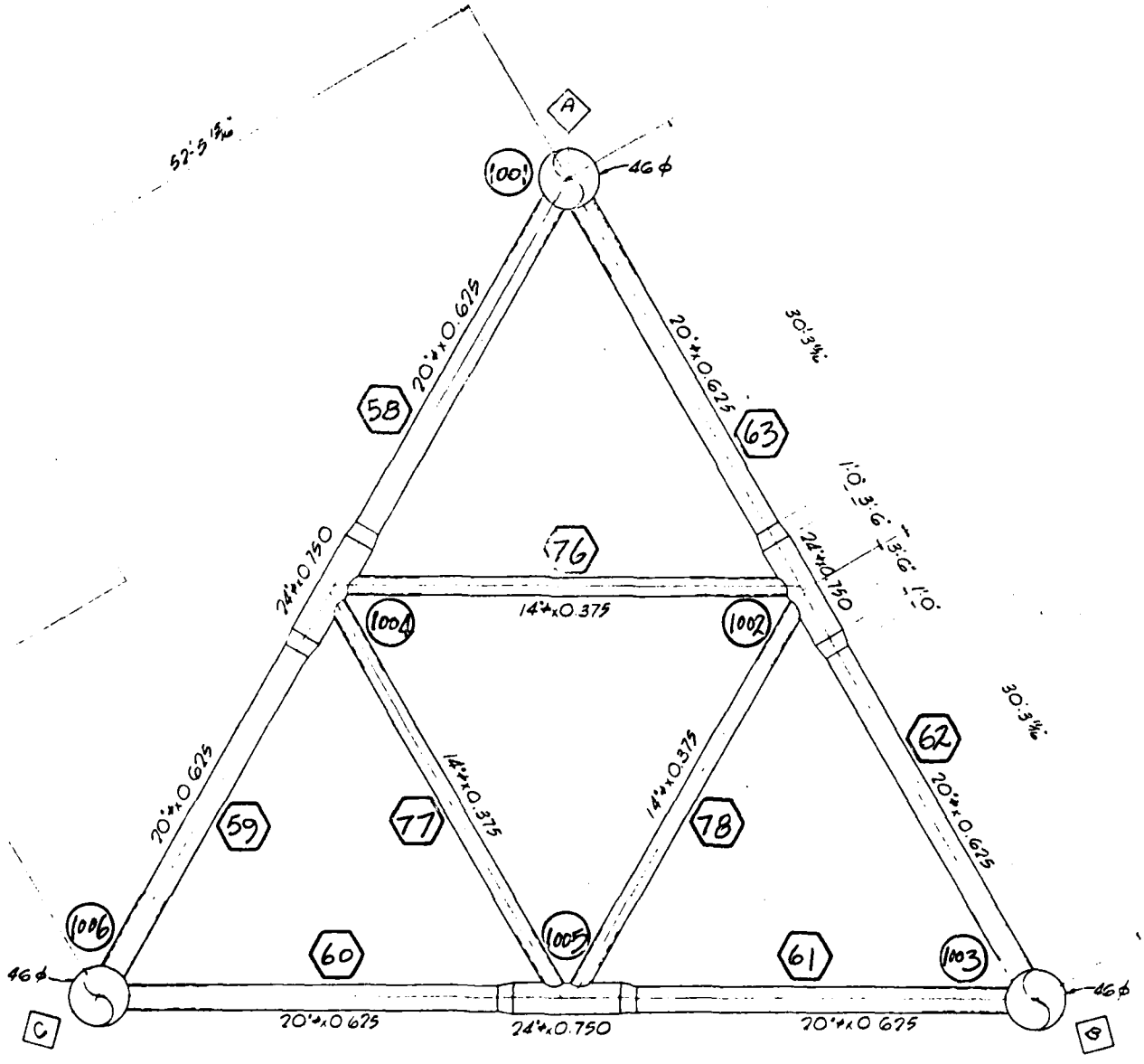


CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chorn Client U.S. NAVY Subject Lifting Analysis

Date 8-23-76 Job No. 27-271-01 Calculation Platform #2



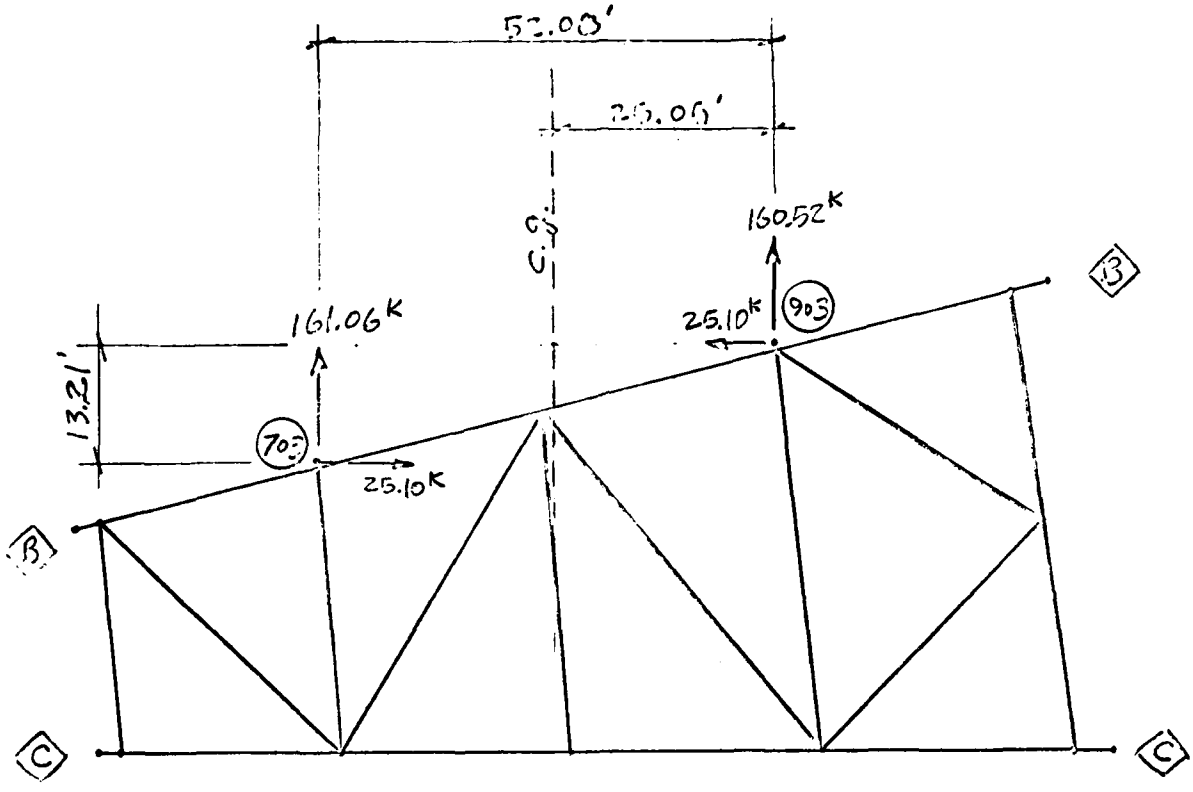
CREST OFFSHORE, INC.

Sheet ___ of ___

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-24-76 Job No. 27-771-01 Calculation Platform #2

LOCATION OF CENTER OF GRAVITY



$$\Sigma M_{903} = 0$$

$$\bar{x} = \frac{161.06 \times 52.08 - 25.10 \times 13.21}{161.06 + 160.52}$$

$$= 25.05'$$

$$(25'-0\tfrac{1}{2}")$$

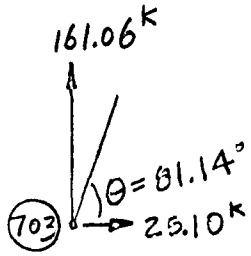
CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-24-76 Job No. 27-77-01 Calculation Platform #2

JOINT NO. 703

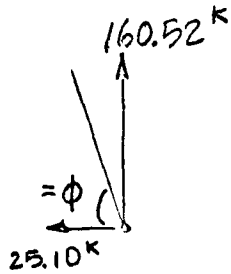


$$\theta = \tan^{-1}\frac{161.06}{25.10} = 81.14^\circ$$

Sling Force = 160.06 / Sin 81.14°

= 162 kips

JOINT NO. 903



$$\phi = \tan^{-1}\frac{160.52}{25.10} = 81.12^\circ$$

$$h = 25.05 \times \tan 81.12^\circ = 160.2 \text{ FT}$$

Sling Force = 160.52 / Sin 81.12°

= 162.47 kips

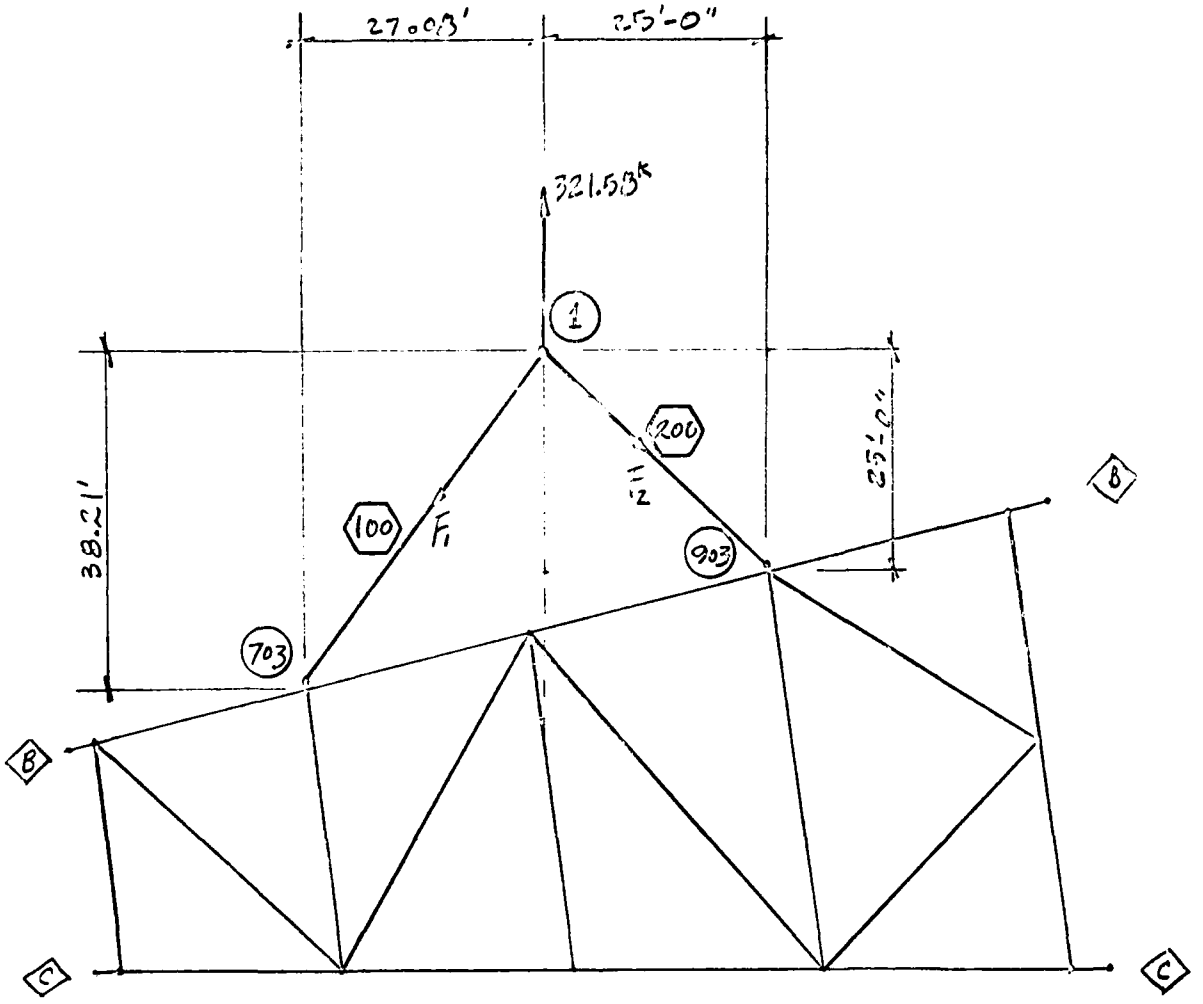
CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-24-76 Job No. 27-771-01 Calculation Platform #2

SINGLE POINT LIFTING (FOR CHECKING ONLY)



Sling Length #200 $\ell_2 = \sqrt{25^2+25^2} = 35.36'$ (35'-4")

#100 $\ell_1 = \sqrt{27.08^2+38.21^2}$

$= 46.83'$ (46'-10")

CREST OFFSHORE, INC.

Sheet ___ of ___

By C. Chern Client U. S. NAVY Subject Lifting Analysis

Date 8-24-76 Job No. 27-221-01 Calculation Platform #2

Equilibrium @ Pt. (1)

$$\begin{cases} \dfrac{F_2}{\sqrt{2}} + F_1 \times \dfrac{38.21}{\sqrt{27.08^2+38.21^2}} = 321.58 & (a) \\ \dfrac{F_2}{\sqrt{2}} = F_1 \times \dfrac{27.08}{\sqrt{27.08^2+38.21^2}} & (b) \end{cases}$$

from Eq. (b) $\quad F_2 = F_1 \times \dfrac{27.08\sqrt{2}}{\sqrt{27.08^2+38.21^2}}$

from Eq. (a) $\quad \dfrac{(27.08+38.21)F_1}{\sqrt{27.08^2+38.21^2}} = 321.58$

$$F_1 = \frac{321.58 \times 46.83}{65.29}$$

$$= 230.66 \text{ KIPS} \longleftarrow$$

$$F_2 = 230.66 \times \frac{27.08\sqrt{2}}{46.83}$$

$$= 188.63 \text{ KIPS} \longleftarrow$$

CREST OFFSHORE, INC.

Sheet ___ of ____

By ____ Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 2-3-76 Job No. 22-22-25 Calculation FLOATATION ANALYSIS

10.5 FLOATATION ANALYSIS

Buoyancy of Jacket in Launch Mode = 414.8^{K}
(Ref. Section 10.6, p 10.23)

Weight of Jacket in Launch Mode

Material listing	= 359.5^{K}
Anodes	= 10.9^{K}
	370.4^{K}

$414.8^{K} > 370.4^{K}$

∴ Floatation is acheived

CREST OFFSHORE, INC.

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 9-1-76 Job No. 27-771-95 Calculation BOUYANCY - LAUNCH

DESCRIPTION	QTY.	VOLUME SEA WATER DISPLACED	
48.0"Φ x 1.75 WT	22.50 FT	282.60 FT³	
47.5"Φ x 1.50 WT	114.15 FT	1404.05 FT³	
47.0"Φ x 1.25 WT	18.00 FT	216.72 FT³	
45.5"Φ x 0.50 WT	183.99 FT	2077.25 FT³	
24.0"Φ x 0.875 WT	21.00 FT	65.94 FT³	
20.0"Φ x 1.125 WT	114.45 FT	249.50 FT³	
20.0"Φ x 0.75 WT	26.50 FT	57.77 FT³	
20.0"Φ x 0.625 WT	449.10 FT	979.04 FT³	
16.0"Φ x 0.75 WT	52.75 FT	73.32 FT³	
16.0"Φ x 0.625 WT	212.70 FT	295.65 FT³	
16.0"Φ x 0.50 WT	80.91 FT	112.46 FT³	
14.0"Φ x 0.50 WT	147.96 FT	156.84 FT³	
14.0"Φ x 0.375 WT	85.50 FT	90.63 FT³	
12.75"Φ x 0.375 WT	225.36 FT	198.32 FT³	
10.75"Φ x 0.365 WT	240.00 FT	151.20 FT³	
8.625"Φ x 0.50 WT	18.42 FT	7.37 FT³	
6.625"Φ x 0.280 WT	54.75 FT	12.59 FT³	
3.50"Φ x 0.216 WT	24.75 FT	1.49 FT³	
2.875"Φ x 0.315 WT	6.00 FT	0.24 FT³	
2.375"Φ x 0.154 WT	310.50 FT	9.32 FT³	
2.00 STL. PLATE	45.84 FT²	7.66 FT³	
1.50 STL. PLATE	17.69 FT²	2.21 FT³	
1.00 STL. PLATE	45.27 FT²	3.76 FT³	
0.75 STL. PLATE	47.10 FT²	2.94 FT³	
0.625 STL. PLATE	37.68 FT²	1.96 FT³	
0.50 STL. PLATE	64.50 FT²	2.69 FT³	
0.315 STL. PLATE	4.13 FT²	0.13 FT³	
0.250 STL. PLATE	1.70 FT²	0.04 FT³	
GRATING	196.28 FT²	16.29 FT³	
ANGLE 4"x6"x 3/8"	24.00 FT	1.25 FT³	
	TOTAL	6481.23 FT³	

All Members - Long. D.O.

(Bouyancy) Weight of Sea Water Displaced = 6481.23 x 64 = 414798.72#

CREST OFFSHORE, INC.

Sheet ____ of ____

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 9-1-76 Job No. 27-771-95 Calculation BOUYANCY - IN PLACE

DESCRIPTION	QTY.	VOLUME SEA WATER DISPLACED	1.) FLOODED I.D. OR 2.) ABOVE WATER LINE	
48.0"ϕ x 1.75 WT	22.50 FT	282.60 FT³	282.60 FT³ (2.)	JACKET LEGS
47.5"ϕ x 1.50 WT	114.15 FT	1404.05 FT³	1404.05 FT³ (1.&2.)	
47.0"ϕ x 1.25 WT	18.00 FT	216.72 FT³	194.41 FT³ (1.)	
45.5"ϕ x 0.50 WT	183.99 FT	2077.25 FT³	1987.20 FT³ (1.)	
24.0"ϕ x 0.875 WT	21.00 FT	65.94 FT³		
20.0"ϕ x 1.125 WT	114.45 FT	249.50 FT³		
20.0"ϕ x 0.75 WT	26.50 FT	57.77 FT³		
20.0"ϕ x 0.625 WT	449.10 FT	979.04 FT³		
16.0"ϕ x 0.75 WT	52.75 FT	73.32 FT³	20.59 FT³ (2.)	(4) 12'-0" ELEV.
16.0"ϕ x 0.625 WT	212.70 FT	295.65 FT³		
16.0"ϕ x 0.50 WT	80.91 FT	112.46 FT³	112.46 FT³ (2.)	
14.0"ϕ x 0.50 WT	147.96 FT	156.84 FT³		
14.0"ϕ x 0.375 WT	85.50 FT	90.63 FT³		
12.75"ϕ x 0.375 WT	225.36 FT	198.32 FT³		
10.75"ϕ x 0.365 WT	240.00 FT	151.20 FT³	28.05 FT³ (2.)	(4) 12'-0" ELEV.
8.625"ϕ x 0.50 WT	18.42 FT	7.37 FT³	7.47 FT³ (2.)	
6.625"ϕ x 0.280 WT	54.75 FT	12.59 FT³	13.11 FT³ (2.)	
3.50"ϕ x 0.216 WT	24.75 FT	1.49 FT³		
2.875"ϕ x 0.375 WT	6.00 FT	0.24 FT³		
2.375"ϕ x 0.154 WT	310.50 FT	9.32 FT³		
2.00 STL. PLATE	45.84 FT²	7.66 FT³	7.66 FT³ (2.)	LIFTING EYES
1.50 STL. PLATE	17.69 FT²	2.21 FT³	2.21 FT³ (2.)	
1.00 STL. PLATE	45.27 FT²	3.76 FT³	3.76 FT³ (2.)	
0.75 STL. PLATE	47.10 FT²	2.94 FT³		
0.625 STL. PLATE	37.68 FT²	1.96 FT³		
0.50 STL. PLATE	64.50 FT²	2.69 FT³		
0.375 STL. PLATE	4.13 FT²	0.13 FT³		
0.250 STL. PLATE	1.70 FT²	0.04 FT³		
GRATING	196.28 FT²	16.29 FT³	16.29 FT³ (2.)	(4) 12'-0" ELEV.
ANGLE 4"x6"x 3/8"	24.00 FT	1.25 FT³	1.25 FT³ (2.)	
	TOTAL	6481.23 FT³	4081.11 FT³	

(Bouyancy) Weight of Sea Water Displaced = (6481.23) - (4081.11) x 64 = 153607.68#

SECTION 11.0

CORROSION PROTECTION

11.1 INTRODUCTION

The surface area of a marine structure is divided into three zones for corrosion protection consideration, the Submerged Zone, the Splash Zone, and the Atmospheric Zone.

The Submerged Zone is protected from corrosion by cathodic protection through the use of sacrificial anodes. The Splash Zone is protected by using one half inch thick extra material in excess of that needed for strength and then painted. The Atmosphere Zone is protected with paint.

11.2 DESIGN DATA

Zones for Corrosion Protection:

1. Submerged Zone - El. (-) 4.0 feet to El. (-) 93.0 ft.
2. Splash Zone - El. (+) 11.0 feet to El. (-) 4.0 feet.
3. Atmospheric Zone- El. (+) 75.0 feet to El. (+) 11.0 feet.

Current Requirements:

Current Density = 6 MA/ft^2 of surface in water

2 MA/ft^2 of surface in mud

Design Life:

N = 20 years

1.03

CREST OFFSHORE, INC.

Sheet 1 of 1

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 7-4-76 Job No. 27-771-95 Calculation SURFACE AREA CALCULATION

LOCATION	DESCRIPTION	QTY.	SURFACE AREA (FT^2)	(FT^2) TOTAL SURFACE AREA
-4'-0" TO -13'-0"	47"Φ x 12'-6" JL	3	153.8	461.4
" " "	20"Φ x 15'-4" DB	3	80.3	240.9
-13'-0" (PLAN)	12 3/4"Φ x 37'-6" HB	3	125.3	375.8
" " "	10 3/4"Φ x 18'-9" HB	3	52.7	158.1
-13'-0" TO -39'-0"	46"Φ x 18'-2" JL	3	218.7	656.1
" " "	47"Φ x 7'-0" JL	3	86.1	258.3
" " "	20"Φ x 48'-4" DB	3	253.2	759.6
-39'-0" (PLAN)	12 3/4"Φ x 45'-1" HB	3	150.5	451.5
" " "	10 3/4"Φ x 22'-6" HB	3	63.2	189.6
-39'-0" TO -66'-0"	46"Φ x 20'-10" JL	3	250.8	752.4
" " "	47"Φ x 7'-0" JL	3	86.1	258.3
" " "	20"Φ x 56'-0" DB	3	293.4	880.2
-66'-0" (PLAN)	14"Φ x 52'-10" HB	3	193.9	581.6
" " "	10 3/4"Φ x 26'-5" HB	3	74.2	222.6
-66'-0" TO -93'-0"	46"Φ x 21'-6" JL	3	258.9	776.7
" " "	47"Φ x 6'-0" JL	3	73.8	221.4
" " "	16"Φ x 38'-0" DB	6	159.6	957.6
-93'-0" (PLAN)	20"Φ x 27'-3" HB	6	142.7	856.2
" " "	24"Φ x 6'-0" HB	3	37.6	112.8
" " "	14"Φ x 30'-3" HB	3	111.0	333.0
				9504.1
PILING	42"Φ x 2.00WT x 270'-0"	3	2968.8	+8906.4
				18410.5

CREST OFFSHORE, INC.

By [illegible] Client U.S. NAVY Subject DESIGN OF 73' HIGH STRUCTU
Date 9-3-96 Job No. 22-771-95 Calculation CORROSION PROTECTION

Total Current Requirements

$$I = 6 \frac{mA}{ft^2} \times 950 ft^2 + 2 \frac{mA}{ft^2} \times 6000 ft^2$$

$$I = 74.8 \text{ Amps}$$

Capacity of Alloy

Use Alluminum - Zinc - Mercury Alloy

$$C = 1250 \frac{amp\text{-}hrs}{lbs}$$

Total Weight of Sacrificial Anodes

$$Wt = \frac{I \times N \times 8760}{C}$$

$$Wt = \frac{74.8 \times 20 \times 8760}{1250}$$

$$Wt = 10484 \text{ lbs.}$$

Using 725# Anode

$$n = \frac{10484}{725} = 14.46$$

USE 15 @ 725#/Anode

11.4 SPLASH ZONE

The Splash Zone is protected by first using one half inch thick extra material in excess of that needed for strength, and then by applying paint to the structural members in the zone.

11.5 ATMOSPHERIC ZONE

The Atmospheric Zone is protected by paint. The surface area of the structure requiring paint is 8,500 square feet. The surface area calculations can be found in Report No. 37-771-98, Section 2.7, Paint Area.

SECTION 12.0

MATERIAL LIST AND WEIGHT

12.0 INTRODUCTION

This section includes a material listing and total weight of each major component of the structure including the superstructure, jacket, boat landing, boat fenders, and piling. The material listing in this section is a summary and includes only the total length and weight of each particular shape for each of the major components. A more detailed listing is found in the computer output in Appendix B.9.

CREST OFFSHORE, INC.

Sheet ___ of ____

By FLOYD Client U.S. NAVY Subject DESIGN OF 93' MINESWEEPER

Date 2-3-76 Job No. 27-771-95 Calculation MATERIAL LISTING & WEIGHT

12.2 Material Listing and Weight - Superstructure

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. x 1.000 WT	15.00	6574.43
30.000 O.D. x 1.750 WT	15.00	7927.39
30.000 O.D. x 1.500 WT	32.98	15070.58
30.000 O.D. x 1.000 WT	103.52	32093.53
12.750 O.D. x 1.000 WT	8.00	1005.00
12.750 O.D. x 0.750 WT	22.62	2176.58
12.750 O.D. x 0.500 WT	139.88	9158.79
8.625 O.D. x 0.500 WT	55.50	2410.29
8.625 O.D. x 0.322 WT	27.58	788.14
6.625 O.D. x 0.500 WT	29.00	949.43
4.500 O.D. x 0.337 WT	82.50	1237.31
2.375 O.D. x 0.154 WT	87.08	318.39
1.900 O.D. x 0.281 WT	65.00	316.12
1.900 O.D. x 0.145 WT	1213.00	3299.81
W SHAPE		
W 21 X 73.00	26.67	1946.69
W 18 X 50.00	139.79	6989.60
W 12 X 27.00	65.04	1756.11

BILL OF MATERIALS SUMMARY

U.S. NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W 8 X 24.00	132.37	3176.90
W 6 X 15.50	250.67	3885.35

CHANNELS

C 12 X 23.00	136.69	3417.33
C 12 X 20.70	3.75	77.62
C 10 X 15.30	51.00	780.30

ANGLE

5.000 X 3.000 X 0.375	73.20	712.23
4.000 X 3.000 X 0.375	23.33	197.26
3.000 X 3.000 X 0.375	40.00	287.11
3.000 X 3.000 X 0.250	5.33	26.08
2.500 X 2.500 X 0.250	95.37	385.38

PLATE

1.250 THICKNESS	41.92	2139.71	
1.000 THICKNESS	109.30	4463.16	
0.750 THICKNESS	34.18	1046.67	
0.500 THICKNESS	76.86	1569.18	
0.375 THICKNESS	82.34	1260.83	
0.250 THICKNESS	1186.36 (102 SFT²)*	13199.09 — (11552.7 #)*	* 1/4" Checkered floor plate
0.125 THICKNESS	15.51	79.17	

GRATING

7.360 LBS PER SQ FT	276.10	2032.10

TOTAL WEIGHT 132752.69 LBS

12.04

CREST OFFSHORE, INC.

Sheet ____ of ____

By [illegible] Client U.S. Navy Subject [illegible]

Date 2-3-82 Job No. 82-22-25 Calculation [illegible]

12.3 Material Listing and Weight - Jacket

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
48.000 O.D. X 1.750 WT	22.50	19467.71
47.500 O.D. X 1.500 WT	114.15	84199.13
47.000 O.D. X 1.250 WT	18.00	11004.15
45.500 O.D. X 0.500 WT	183.99	44254.69
24.000 O.D. X 0.875 WT	21.00	4542.47
20.000 O.D. X 1.125 WT	114.45	25979.93
20.000 O.D. X 0.750 WT	26.50	4090.28
20.000 O.D. X 0.625 WT	449.10	58136.29
16.000 O.D. X 0.750 WT	52.75	6449.16
16.000 O.D. X 0.625 WT	293.61	30161.21
14.000 O.D. X 0.500 WT	147.96	10676.54
14.000 O.D. X 0.375 WT	85.50	4669.99
12.750 O.D. X 0.375 WT	225.36	11179.85
10.750 O.D. X 0.365 WT	240.00	9724.97
8.625 O.D. X 0.500 WT	18.42	799.96
6.625 O.D. X 0.280 WT	54.75	1039.82
3.500 O.D. X 0.216 WT	24.75	187.68
2.875 O.D. X 0.375 WT	6.00	60.13
2.375 O.D. X 0.154 WT	310.50	1135.31

12.06

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27=771=01 BILL OF MATERIALS & WEIGHT

ANGLE		
4.000 X 6.000 X 0.375	24.00	294.77
PLATE		
2.000 THICKNESS	45.34	3743.30
1.500 THICKNESS	17.69	1083.43
1.375 THICKNESS	24.05	1350.47
1.250 THICKNESS	96.21	4910.79
1.125 THICKNESS	24.05	1104.93
1.000 THICKNESS	45.27	1848.34
0.750 THICKNESS	47.10	1442.44
0.625 THICKNESS	318.12	8118.67
0.500 THICKNESS	64.50	1316.87
0.375 THICKNESS	4.13	63.16
0.250 THICKNESS	1.70	17.33
GRATING		
7.360 LBS PER 30 FT	196.20	1444.63
TOTAL WEIGHT		354497.75 LBS

107

CREST OFFSHORE, INC.

Sheet ____ of ____

By AOR Client U.S. NAVY Subject DESIGN OF 93' WU ETC. ETC.

Date 2-3-26 Job No. 22-221-95 Calculation LATERAL LOAD & WEIGHT

12.4 Material Listing and Weight - Boat Loading

BILL OF MATERIALS SUMMARY
U.S.NAVY ADAK PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
12,750 O.D. X 0.343 WT	47.83	5132.74
12.750 O.D. X 0.500 WT	2.67	146.06
8.625 O.D. X 0.500 WT	137.91	5989.45
8.625 O.D. X 0.432 WT	272.53	7794.44
4.500 O.D. X 0.337 WT	71.50	1072.31
2.375 O.D. X 0.218 WT	3.33	16.74
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	75.00	204.03
CHANNELS		
C 12 X 20.70	2.50	51.75
C 6 X 8.20	16.00	131.20
ANGLE		
2.000 X 2.000 X 0.250	3.00	9.57
1.000 X 1.000 X 0.125	3.00	2.39

60.21

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR [illegible] J.C/E/ BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE		
0.750 THICKNESS	64.94	1908.94
0.500 THICKNESS	9.72	198.45
GRATING		
7.500 LBS PER SQ FT	115.17	855.04
TOTAL WEIGHT		23909.20 LBS

CREST OFFSHORE, INC.

Sheet ___ of ____

By ADH Client U.S. NAVY Subject DESIGN OF 23' MK II SERIES.

Date 9-3-26 Job No. 22-221-25 Calculation MATERIAL LISTING & WEIGHT

12.5 Material Listing and Weight - Boat Fenders

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
18,000 O.D. X 0.750 WT	46.73	6465.68
16.000 O.D. X 0.750 WT	12.37	1512.95
PLATE		
1.000 THICKNESS	54.00	2205.00
0.750 THICKNESS	95.16	2914.21
0.500 THICKNESS	16.05	327.72
TOTAL WEIGHT		13425.55 LB3

27.21

CREST OFFSHORE, INC.

Sheet ___ of ____

By ROB Client U.S. NAVY Subject DESIGN OF 23' MK6 STRUCTURE
Date 9-3-76 Job No. 22-771-95 Calculation MATERIAL LISTING & WEIGHT

12.6 Material Listing and Weight - Piling

BILL OF MATERIALS SUMMARY
U.S.NAVY ACHR PLATFORM JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 2.500 WT	6.00	6333.89
42.000 O.D. X 2.375 WT	237.00	238431.56
42.000 O.D. X 2.000 WT	930.00	795345.38
39.750 O.D. X 0.625 WT	48.00	12547.94
37.000 O.D. X 0.625 WT	48.00	11665.60
TOTAL WEIGHT		1064323.00 LBS

12/14

APPENDIX A.1

ENVIRONMENTAL DATA

TABLE 18: 50 YEAR STORM WIND, TIDE, AND WAVE CHARACTERISTICS: 36°13'36.3"N, 75°14'59.6"W: SPECIFIED 93 FOOT CHART DEPTH: OFFSHORE KITTY HAWK, NORTH CAROLINA

Chart Depth	93.0 Ft.
Highest Astronomical Tide	4.5 Ft.
Storm Tide	3.6 Ft.
Total Tide	8.1 Ft.
Still Water Depth	101.1 Ft.
Height of Maximum Wave	60.8 Ft.
Period of Maximum Wave	13.6 Sec.
Crest Elevation Of Maximum Wave Above Still Water Level	43.6 Ft.
Crest Elevation of Maximum Wave Above Chart Datum	51.7 Ft.
Crest Elevation of Maximum Wave Above Bottom	144.7 Ft.
Length of Maximum Wave	783.5 Ft.
1 Hour Wind	114 Mph
0.5 Hour Wind	120 Mph
1 Minute Wind	145 Mph
Maximum Instantaneous Gust	174 Mph

TABLE 19: 50 YEAR COMBINED WIND DRIFT, DENSITY, AND TIDAL CURRENT VERSUS PERCENT OF DEPTH: 36°13'3o.3"N, 75°14'59.6"W: SPECIFIED 93 FOOT CHART DEPTH: OFFSHORE KITTY HAWK, NORTH CAROLINA

Percent Of Depth	Current Speed (Ft/Sec)
0%	4.5
10%	4.2
20%	3.8
30%	3.5
40%	3.2
50%	2.9
60%	2.6
70%	2.2
80%	1.9
90%	1.6
100%	0.8

APPENDIX A.2

WAVE PROFILES

FIELD VARIABLES FOR WAVE: CREST: 93 FT. DEPTH

WAVE PARAMETERS:
HEIGHT = 60.80 FT., PERIOD = 13.60 SECS., LENGTH = 829.12 FT.
WATER DEPTH = 101.10 FT.

PILE DIAMETER: 3.00 FT., BOTTOM CURRENT = 1.30 FT./SEC., SURFACE CURRENT = 4.50 FT./SEC.

INCLUDES MODIFICATIONS FOR FREE SURFACE EFFECTS

ALL PRESSURES IN PSF

A.07

WAVE: CREST: 93 FT. DEPTH

X = (FT.)	-340.00	-330.00	-320.00	-310.00	-300.00	-290.00	-280.00	-270.00	-260.00
SURFACE ELEVATION (FT.)	86.34	86.59	86.79	87.17	87.68	88.35	89.22	90.32	91.73
SURFACE									
HOR. DRAG PRESS.	-12.27	-11.70	-10.91	-9.79	-8.27	-6.43	-4.43	-2.40	-0.67
HOR. INER PRESS.	-1.59	-2.20	-3.18	-4.77	-6.59	-8.37	-10.51	-13.69	-16.01
VER. DRAG PRESS.	-0.17	-0.43	-0.90	-1.72	-3.02	-5.01	-8.05	-12.75	-19.76
VER. INER PRESS.	5.33	5.96	7.26	8.76	10.22	12.04	14.70	17.96	21.15
ELEV = 140.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.40	-0.67
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13.69	-16.01
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-12.75	-19.76
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.96	21.15
ELEV = 90.00									
HOR. DRAG PRESS.	-12.27	-11.70	-10.91	-9.79	-8.27	-6.43	-4.43	-2.39	-0.62
HOR. INER PRESS.	-1.59	-2.20	-3.18	-4.77	-6.59	-8.37	-10.51	-13.74	-16.22
VER. DRAG PRESS.	-0.17	-0.43	-0.90	-1.72	-3.02	-5.01	-8.05	-12.67	-19.13
VER. INER PRESS.	5.33	5.96	7.26	8.76	10.22	12.04	14.70	17.89	20.65
ELEV = 80.00									
HOR. DRAG PRESS.	-13.02	-12.40	-11.51	-10.26	-8.60	-6.60	-4.39	-2.18	-0.45
HOR. INER PRESS.	-1.69	-2.51	-3.64	-5.26	-7.15	-9.21	-11.72	-15.09	-19.31
VER. DRAG PRESS.	-0.15	-0.39	-0.81	-1.51	-2.63	-4.30	-6.81	-10.47	-15.58
VER. INER PRESS.	5.12	5.71	6.81	8.12	9.48	11.14	13.30	15.73	17.91
ELEV = 70.00									
HOR. DRAG PRESS.	-14.31	-13.57	-12.50	-11.04	-9.16	-6.93	-4.49	-2.12	-0.37
HOR. INER PRESS.	-1.85	-2.91	-4.21	-5.88	-7.85	-10.09	-12.79	-16.15	-20.17
VER. DRAG PRESS.	-0.12	-0.32	-0.66	-1.23	-2.11	-3.46	-5.45	-8.33	-12.26
VER. INER PRESS.	4.69	5.22	6.12	7.22	8.46	9.93	11.71	13.63	15.34
ELEV = 60.00									
HOR. DRAG PRESS.	-15.75	-14.89	-13.65	-11.98	-9.88	-7.41	-4.74	-2.19	-0.36
HOR. INER PRESS.	-2.02	-3.24	-4.68	-6.42	-8.47	-10.84	-13.64	-16.97	-20.82
VER. DRAG PRESS.	-0.09	-0.25	-0.51	-0.94	-1.62	-2.64	-4.16	-6.32	-9.23
VER. INER PRESS.	4.17	4.63	5.36	6.29	7.37	8.62	10.08	11.59	12.90
ELEV = 50.00									
HOR. DRAG PRESS.	-17.34	-16.38	-14.97	-13.10	-10.78	-8.07	-5.17	-2.40	-0.41
HOR. INER PRESS.	-2.17	-3.52	-5.06	-6.88	-9.00	-11.46	-14.31	-17.61	-21.31
VER. DRAG PRESS.	-0.07	-0.18	-0.37	-0.68	-1.16	-1.89	-2.97	-4.51	-6.56
VER. INER PRESS.	3.58	3.97	4.56	5.32	6.22	7.26	8.42	9.59	10.58
ELEV = 40.00									
HOR. DRAG PRESS.	-19.13	-18.06	-16.50	-14.43	-11.89	-8.94	-5.78	-2.77	-0.57
HOR. INER PRESS.	-2.30	-3.74	-5.37	-7.26	-9.44	-11.95	-14.84	-18.10	-21.66
VER. DRAG PRESS.	-0.04	-0.12	-0.24	-0.45	-0.76	-1.24	-1.95	-2.95	-4.47
VER. INER PRESS.	2.93	3.24	3.71	4.32	5.03	5.86	6.75	7.63	8.35
ELEV = 30.00									
HOR. DRAG PRESS.	-21.13	-19.94	-18.25	-16.00	-13.23	-10.03	-6.61	-3.42	-0.89
HOR. INER PRESS.	-2.40	-3.91	-5.60	-7.58	-9.78	-12.33	-15.23	-18.45	-21.90
VER. DRAG PRESS.	-0.03	-0.07	-0.14	-0.26	-0.44	-0.71	-1.11	-1.74	-2.81
VER. INER PRESS.	2.24	2.47	2.82	3.28	3.81	4.42	5.07	5.70	6.21
ELEV = 20.00									
HOR. DRAG PRESS.	-21.34	-22.12	-20.25	-17.82	-14.83	-11.28	-7.67	-4.23	-1.44
HOR. INER PRESS.	-2.47	-4.03	-5.77	-7.75	-10.02	-12.59	-15.50	-18.68	-22.08
VER. DRAG PRESS.	-0.01	-0.03	-0.06	-0.12	-0.20	-0.32	-0.50	-0.79	-1.34
VER. INER PRESS.	1.51	1.67	1.90	2.20	2.56	2.95	3.39	3.80	4.11
ELEV = 10.00									
HOR. DRAG PRESS.	-25.86	-24.51	-22.53	-19.93	-16.73	-13.02	-9.01	-5.16	-2.21
HOR. INER PRESS.	-2.52	-4.11	-6.07	-7.87	-10.16	-12.75	-15.55	-18.82	-22.15
VER. DRAG PRESS.	-0.00	-0.01	-0.02	-0.03	-0.05	-0.08	-0.12	-0.19	-0.35
VER. INER PRESS.	0.76	0.88	0.96	1.11	1.29	1.49	1.70	1.90	2.05
ELEV = 0.00									
HOR. DRAG PRESS.	0.00	-2.13	-1.97	-1.75	-1.49	-1.18	-0.84	-0.50	-0.24
HOR. INER PRESS.	0.00	-4.13	-5.91	-7.92	-10.21	-12.80	-15.71	-18.87	-22.16
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

A.05

WAVE: CREST: 93 FT, DEPTH

X = (FT.)	-200.00	-180.00	-160.00	-140.00	-120.00	-100.00	-80.00	-60.00	-40.00
SURFACE ELEVATION (FT.)	93.50	95.72	98.48	101.88	106.04	111.10	117.14	124.27	132.55
SURFACE									
HOR. DRAG PRESS.	0.02	1.78	8.05	23.26	51.36	90.50	215.36	155.46	168.01
HOR. INER PRESS.	-23.03	-24.62	-35.42	-43.97	-53.64	-62.03	-70.70	-77.91	-82.34
VER. DRAG PRESS.	-29.71	-41.27	-61.39	-84.57	-111.43	-139.77	-169.96	-171.74	-150.91
VER. INER PRESS.	23.91	26.47	28.72	29.49	27.09	20.82	11.37	-1.37	-20.99
ELEV = 140.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.01
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-82.34
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-150.91
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-20.99
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	155.46	493.49
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-77.91	-78.14
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-171.74	-136.11
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.37	-23.40
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	90.50	215.36	425.35	639.65
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	-62.03	-70.70	-73.18	-63.88
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	-139.77	-169.96	-148.29	-91.68
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	20.82	11.37	-5.01	-29.04
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	23.26	51.36	134.93	188.94	303.28	432.21
HOR. INER PRESS.	0.00	0.00	0.00	-43.97	-53.64	-62.17	-65.09	-63.01	-52.61
VER. DRAG PRESS.	0.00	0.00	0.00	-84.57	-111.43	-135.43	-130.55	-105.12	-62.52
VER. INER PRESS.	0.00	0.00	0.00	29.49	27.09	20.02	6.39	-10.76	-30.63
ELEV = 100.00									
HOR. DRAG PRESS.	0.02	1.78	8.05	22.90	52.15	100.60	171.98	262.65	359.84
HOR. INER PRESS.	-23.03	-24.62	-35.42	-43.67	-51.35	-56.44	-57.80	-54.27	-43.75
VER. DRAG PRESS.	-29.71	-43.27	-61.39	-80.80	-95.10	-101.04	-95.07	-74.80	-42.94
VER. INER PRESS.	23.91	26.47	28.72	28.25	22.94	13.72	1.33	-13.71	-29.93
ELEV = 90.00									
HOR. DRAG PRESS.	0.04	2.16	9.25	24.63	52.34	95.71	156.16	230.41	306.66
HOR. INER PRESS.	-23.35	-24.97	-35.30	-41.99	-47.80	-51.27	-51.32	-46.91	-36.78
VER. DRAG PRESS.	-27.49	-38.28	-50.45	-62.72	-72.12	-74.91	-68.58	-52.41	-29.54
VER. INER PRESS.	22.74	24.16	24.44	22.46	17.32	9.00	-1.96	-14.02	-27.96
ELEV = 80.00									
HOR. DRAG PRESS.	0.13	2.70	10.22	25.45	51.40	90.21	141.58	202.71	263.49
HOR. INER PRESS.	-24.11	-24.31	-34.83	-40.23	-44.56	-46.70	-45.73	-40.82	-31.27
VER. DRAG PRESS.	-25.23	-36.25	-39.12	-47.66	-53.69	-54.70	-48.88	-36.58	-20.23
VER. INER PRESS.	19.53	20.40	20.07	17.78	12.95	5.57	-3.92	-14.71	-25.30
ELEV = 70.00									
HOR. DRAG PRESS.	0.21	3.04	10.73	25.51	49.64	84.38	128.83	179.11	228.40
HOR. INER PRESS.	-24.65	-24.39	-34.17	-38.52	-41.46	-42.73	-40.99	-35.84	-26.93
VER. DRAG PRESS.	-17.26	-23.16	-29.46	-35.24	-39.00	-39.06	-34.32	-25.11	-13.69
VER. INER PRESS.	16.54	17.00	16.32	13.97	9.58	3.15	-4.90	-13.82	-22.30
ELEV = 60.00									
HOR. DRAG PRESS.	0.24	3.17	10.80	24.94	47.30	78.49	117.28	159.79	199.85
HOR. INER PRESS.	-25.01	-24.31	-33.43	-36.92	-39.12	-39.36	-37.05	-31.81	-23.52
VER. DRAG PRESS.	-12.86	-17.03	-21.35	-25.12	-27.38	-27.02	-23.40	-16.87	-9.05
VER. INER PRESS.	13.77	13.94	13.09	10.86	6.99	1.52	-5.18	-12.42	-19.14
ELEV = 50.00									
HOR. DRAG PRESS.	0.21	3.09	10.49	23.92	44.58	72.74	106.95	143.62	177.15
HOR. INER PRESS.	-25.23	-24.14	-32.71	-35.50	-34.96	-36.56	-33.85	-28.61	-20.86
VER. DRAG PRESS.	-9.07	-11.86	-14.67	-17.03	-18.30	-17.84	-15.27	-10.86	-5.77
VER. INER PRESS.	11.18	11.17	10.30	8.30	5.01	0.49	-4.93	-10.69	-15.93
ELEV = 40.00									
HOR. DRAG PRESS.	0.15	2.82	9.87	22.52	41.64	67.25	97.81	130.01	159.00
HOR. INER PRESS.	-25.35	-24.93	-32.05	-34.30	-35.19	-34.31	-31.32	-26.12	-18.83
VER. DRAG PRESS.	-5.91	-7.64	-9.33	-10.70	-11.37	-10.96	-9.29	-6.56	-3.45
VER. INER PRESS.	8.75	8.65	7.85	6.16	3.50	-0.08	-4.32	-8.75	-12.72
ELEV = 30.00									
HOR. DRAG PRESS.	0.07	2.42	9.00	20.85	38.60	62.11	89.81	118.65	144.31
HOR. INER PRESS.	-25.49	-24.73	-31.50	-33.34	-33.81	-32.48	-29.41	-24.27	-17.34
VER. DRAG PRESS.	-3.81	-4.35	-5.24	-5.95	-6.25	-5.98	-5.03	-3.53	-1.85
VER. INER PRESS.	4.44	4.33	3.67	2.74	1.14	-0.33	-1.45	-3.67	-4.53
ELEV = 20.00									
HOR. DRAG PRESS.	0.01	2.09	7.94	18.98	35.54	57.34	82.89	109.27	132.58
HOR. INER PRESS.	-25.45	-24.57	-31.09	-32.44	-32.83	-31.36	-28.07	-23.08	-16.31
VER. DRAG PRESS.	-2.02	-2.15	-2.58	-2.63	-2.74	-2.69	-2.18	-1.52	-0.79
VER. INER PRESS.	2.26	2.15	1.68	0.78	1.43	-0.35	-2.40	-4.51	-6.36
ELEV = 10.00									
HOR. DRAG PRESS.	-0.04	1.75	6.74	16.97	32.50	52.97	76.95	101.66	123.82
HOR. INER PRESS.	-25.44	-24.66	-30.84	-32.21	-32.23	-30.63	-27.28	-22.22	-15.77
VER. DRAG PRESS.	-0.50	-0.65	-0.59	-0.66	-0.68	-0.64	-0.54	-0.37	-0.19
VER. INER PRESS.	2.12	2.06	1.61	1.34	0.47	-0.21	-1.23	-2.28	-3.19
ELEV = 0.00									
HOR. DRAG PRESS.	-0.02	0.08	0.43	1.17	2.31	3.83	5.44	7.50	9.14
HOR. INER PRESS.	-25.44	-24.42	-30.75	-32.07	-32.04	-30.59	-27.01	-21.97	-15.41
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WAVE: CREST: 93 FT. DEPTH

**** X = (FT.)	-20.00	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00
SURFACE = ELEVATION (FT.)	141.55	147.02	141.55	132.55	124.27	117.14	111.10	106.04	101.88
SURFACE									
HOR. DRAG PRESS.	239.57	426.34	239.57	168.01	155.46	215.36	40.50	51.36	23.26
HOR. INER PRESS.	-47.09	0.00	47.09	80.34	77.91	70.70	62.83	53.64	43.67
VER. DRAG PRESS.	-76.41	0.00	76.41	150.91	171.74	162.96	139.77	111.63	84.57
VER. INER PRESS.	-49.73	-67.90	-49.73	-20.09	-1.37	11.37	20.82	27.09	29.49
ELEV = 140.00									
HOR. DRAG PRESS.	490.16	714.31	490.16	168.01	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	-44.30	0.00	44.30	80.34	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	-70.81	0.00	70.81	150.91	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	-50.89	-70.07	-50.89	-20.99	0.00	0.00	0.00	0.00	0.00
ELEV = 130.00									
HOR. DRAG PRESS.	775.06	975.10	775.06	453.49	155.46	0.00	0.00	0.00	0.00
HOR. INER PRESS.	-49.40	0.00	49.40	78.14	77.91	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	-84.37	0.00	84.37	136.11	171.74	0.00	0.00	0.00	0.00
VER. INER PRESS.	-53.77	-67.35	-53.77	-23.40	-1.37	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	803.78	845.19	803.78	639.45	425.35	215.36	40.50	0.00	0.00
HOR. INER PRESS.	-38.63	0.00	38.63	63.86	73.18	70.70	62.83	0.00	0.00
VER. DRAG PRESS.	-98.69	0.00	98.69	81.68	148.29	162.96	139.77	0.00	0.00
VER. INER PRESS.	-51.97	-61.72	-51.97	-29.04	-5.01	11.37	20.82	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	534.10	575.90	536.10	432.21	303.28	188.94	104.93	51.36	23.26
HOR. INER PRESS.	-30.75	0.00	30.75	52.61	63.01	65.09	62.17	53.64	43.67
VER. DRAG PRESS.	-18.97	0.00	18.97	62.52	105.12	130.55	135.43	111.63	84.57
VER. INER PRESS.	-48.07	-55.18	-48.07	-30.63	-10.76	6.39	20.02	27.09	29.49
ELEV = 100.00									
HOR. DRAG PRESS.	438.39	469.08	438.39	[illegible].84	262.65	171.98	100.60	52.15	22.90
HOR. INER PRESS.	-24.90	0.00	24.90	43.75	54.27	57.00	56.44	51.35	43.67
VER. DRAG PRESS.	-12.73	0.00	12.73	42.94	74.40	95.07	101.04	95.10	80.80
VER. INER PRESS.	-43.30	-48.59	-43.30	-29.93	-13.71	1.33	13.72	22.94	28.25
ELEV = 90.00									
HOR. DRAG PRESS.	366.05	388.77	366.05	306.66	230.41	156.16	95.71	52.34	24.63
HOR. INER PRESS.	-20.29	0.00	20.29	34.78	46.91	51.32	51.27	47.80	41.99
VER. DRAG PRESS.	-8.60	0.00	8.60	29.54	52.41	68.58	74.91	72.12	62.72
VER. INER PRESS.	-38.29	-42.27	-38.29	-27.96	-14.82	-1.96	9.00	17.32	22.46
ELEV = 80.00									
HOR. DRAG PRESS.	309.46	324.76	309.46	267.49	202.71	141.58	90.21	51.40	25.85
HOR. INER PRESS.	-17.13	0.00	17.13	31.27	40.82	45.73	46.70	44.58	40.23
VER. DRAG PRESS.	-5.81	0.00	5.81	20.23	34.58	46.88	54.79	53.69	47.66
VER. INER PRESS.	-33.33	-36.36	-33.33	-24.30	-14.71	-3.92	5.57	12.95	17.78
ELEV = 70.00									
HOR. DRAG PRESS.	264.82	278.34	264.82	228.40	179.11	128.83	84.38	49.64	25.51
HOR. INER PRESS.	-14.54	0.00	14.54	26.93	35.84	41.99	42.73	41.66	38.52
VER. DRAG PRESS.	-3.89	0.00	3.89	13.69	23.11	34.32	39.06	39.00	35.27
VER. INER PRESS.	-28.55	-30.87	-28.55	-22.30	-13.82	-4.90	3.15	9.58	13.97
ELEV = 60.00									
HOR. DRAG PRESS.	229.38	240.23	229.38	199.85	159.79	117.28	78.49	47.30	24.96
HOR. INER PRESS.	-12.56	0.00	12.56	23.52	31.81	37.05	39.36	39.12	36.92
VER. DRAG PRESS.	-2.55	0.00	2.55	9.05	16.67	23.40	27.07	27.38	25.12
VER. INER PRESS.	-23.99	-25.77	-23.99	-19.14	-12.42	-5.18	1.52	6.99	10.66
ELEV = 50.00									
HOR. DRAG PRESS.	201.18	210.11	201.18	177.15	143.62	106.95	72.76	44.58	23.92
HOR. INER PRESS.	-11.03	0.00	11.03	20.86	28.41	33.05	36.56	36.96	33.50
VER. DRAG PRESS.	-1.61	0.00	1.61	5.77	10.88	15.27	17.84	18.30	17.03
VER. INER PRESS.	-19.45	-21.01	-19.45	-15.93	-10.69	-4.93	0.49	5.01	8.30
ELEV = 40.00									
HOR. DRAG PRESS.	179.35	186.69	179.35	159.00	130.01	97.81	67.25	41.64	22.52
HOR. INER PRESS.	-9.88	0.00	9.88	18.83	26.12	31.32	34.31	35.19	34.38
VER. DRAG PRESS.	-0.96	0.00	0.96	3.65	6.58	[illegible].29	10.96	11.37	10.70
VER. INER PRESS.	-16.51	-16.51	-15.91	-12.72	-8.75	[illegible].32	-0.08	3.50	6.14
ELEV = 30.00									
HOR. DRAG PRESS.	162.17	168.59	162.17	144.31	118.65	89.81	62.11	38.60	20.85
HOR. INER PRESS.	-9.04	0.00	9.04	17.34	24.27	29.41	32.54	33.81	31.34
VER. DRAG PRESS.	-0.51	0.00	0.51	1.85	3.53	5.03	5.98	6.25	5.65
VER. INER PRESS.	-11.52	-12.21	-11.52	-9.53	-6.47	-3.85	-0.33	2.34	4.36
ELEV = 20.00									
HOR. DRAG PRESS.	148.72	154.59	148.72	132.58	109.27	82.49	57.34	35.54	18.96
HOR. INER PRESS.	-8.47	0.00	8.47	16.31	22.98	28.07	31.36	32.63	32.66
VER. DRAG PRESS.	-0.22	0.00	0.22	0.78	1.52	2.18	2.60	2.74	2.63
VER. INER PRESS.	-7.64	-8.10	-7.64	-6.36	-4.51	-2.80	-0.35	1.43	2.78
ELEV = 10.00									
HOR. DRAG PRESS.	138.45	143.82	138.45	123.42	101.66	76.95	53.97	32.90	16.97
HOR. INER PRESS.	-8.14	0.00	8.14	15.71	22.22	27.28	30.63	32.22	32.21
VER. DRAG PRESS.	-0.05	0.00	0.05	0.19	0.38	0.54	0.64	0.68	0.66
VER. INER PRESS.	-1.82	-2.04	-1.82	-1.19	-0.28	[illegible].23	-0.21	0.67	1.16
ELEV = 0.00									
HOR. DRAG PRESS.	10.27	10.68	10.27	9.14	7.50	[illegible].44	3.84	2.31	1.17
HOR. INER PRESS.	-8.03	0.00	8.03	15.51	21.97	27.01	30.32	32.04	32.07
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WAVE: CREST: 93 FT. DEPTH

X = (FT.)	140.00	180.00	200.00	220.00	240.00	260.00	280.00	300.00	320.00
SURFACE ELEVATION (FT.)	98.48	95.72	93.50	91.73	90.32	89.22	88.35	87.68	87.17
SURFACE									
HOR. DRAG PRESS.	8.05	1.78	0.02	-0.67	-2.40	-4.83	-6.43	-8.27	-9.79
HOR. INER PRESS.	35.42	28.62	23.03	18.01	13.69	10.51	8.37	6.59	4.77
VER. DRAG PRESS.	61.39	43.27	29.71	19.76	12.75	8.05	5.01	3.02	1.72
VER. INER PRESS.	28.72	26.47	23.91	21.15	17.96	14.70	12.04	10.22	8.76
ELEV = 140.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	8.05	1.78	0.02	-0.67	-2.40	0.00	0.00	0.00	0.00
HOR. INER PRESS.	35.42	28.62	23.03	18.01	13.69	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	61.39	43.27	29.71	19.76	12.75	0.00	0.00	0.00	0.00
VER. INER PRESS.	28.72	26.47	23.91	21.15	17.96	0.00	0.00	0.00	0.00
ELEV = 90.00									
HOR. DRAG PRESS.	9.25	2.16	0.08	-0.62	-2.39	-4.83	-6.43	-8.27	-9.79
HOR. INER PRESS.	35.30	28.97	23.35	18.22	13.74	10.51	8.37	6.59	4.77
VER. DRAG PRESS.	50.45	38.24	27.69	19.13	12.67	8.05	5.01	3.02	1.72
VER. INER PRESS.	28.88	26.16	22.78	20.65	17.89	14.70	12.04	10.22	8.76
ELEV = 80.00									
HOR. DRAG PRESS.	10.22	2.70	0.13	-0.45	-2.18	-4.39	-6.60	-8.60	-10.26
HOR. INER PRESS.	34.83	29.31	24.11	19.31	15.09	11.72	9.21	7.15	5.26
VER. DRAG PRESS.	39.12	30.25	22.23	15.58	10.47	6.91	4.30	2.63	1.51
VER. INER PRESS.	20.07	20.40	19.53	17.91	15.73	13.30	11.14	9.48	8.12
ELEV = 70.00									
HOR. DRAG PRESS.	10.73	3.04	0.21	-0.37	-2.12	-4.49	-6.93	-9.16	-11.04
HOR. INER PRESS.	34.17	29.39	24.45	20.17	16.15	12.79	10.09	7.85	5.88
VER. DRAG PRESS.	29.46	23.16	17.26	12.26	8.33	5.65	3.86	2.61	1.73
VER. INER PRESS.	14.32	17.00	16.58	15.34	13.63	11.71	9.93	8.46	7.22
ELEV = 60.00									
HOR. DRAG PRESS.	10.90	3.17	0.24	-0.36	-2.19	-4.74	-7.41	-9.88	-11.98
HOR. INER PRESS.	33.43	29.31	25.01	20.82	16.97	13.64	10.84	8.47	6.42
VER. DRAG PRESS.	21.35	17.03	12.86	9.23	6.32	4.16	2.64	1.62	0.94
VER. INER PRESS.	11.09	13.94	13.77	12.90	11.59	10.08	8.62	7.37	6.29
ELEV = 50.00									
HOR. DRAG PRESS.	10.49	3.09	0.21	-0.41	-2.40	-5.17	-8.07	-10.78	-13.10
HOR. INER PRESS.	32.71	29.14	25.23	21.31	17.61	14.31	11.46	9.00	6.88
VER. DRAG PRESS.	14.47	11.86	9.07	6.56	4.51	2.97	1.89	1.16	0.68
VER. INER PRESS.	10.30	11.17	11.18	10.58	9.69	8.42	7.26	6.22	5.32
ELEV = 40.00									
HOR. DRAG PRESS.	9.87	2.82	0.15	-0.57	-2.77	-5.78	-8.94	-11.89	-14.43
HOR. INER PRESS.	32.05	28.93	25.35	21.66	18.10	14.84	11.95	9.44	7.26
VER. DRAG PRESS.	9.33	7.64	5.91	4.47	2.95	1.95	1.24	0.76	0.45
VER. INER PRESS.	7.85	8.65	8.75	8.35	7.63	6.75	5.86	5.03	4.32
ELEV = 30.00									
HOR. DRAG PRESS.	9.00	2.42	0.07	-0.89	-3.42	-6.61	-10.03	-13.23	-16.00
HOR. INER PRESS.	31.90	28.73	25.42	21.90	18.45	15.23	12.33	9.78	7.54
VER. DRAG PRESS.	5.94	4.35	3.01	2.01	1.34	1.11	0.71	0.48	0.26
VER. INER PRESS.	5.47	6.33	6.46	6.21	5.70	5.07	4.42	3.81	3.26
ELEV = 20.00									
HOR. DRAG PRESS.	7.94	2.09	0.01	-1.44	-4.23	-7.47	-11.38	-14.83	-17.82
HOR. INER PRESS.	31.09	28.57	25.85	22.06	18.49	15.30	12.59	10.02	7.75
VER. DRAG PRESS.	3.38	2.15	2.02	1.30	0.72	0.50	0.32	0.20	0.12
VER. INER PRESS.	3.48	4.15	4.26	4.11	3.80	3.39	2.94	2.54	2.20
ELEV = 10.00									
HOR. DRAG PRESS.	6.78	1.75	-0.08	-2.21	-5.16	-9.01	-13.02	-16.73	-19.93
HOR. INER PRESS.	30.44	28.46	25.86	22.15	18.62	15.45	12.95	10.16	7.87
VER. DRAG PRESS.	0.59	0.45	0.50	0.36	0.19	0.12	0.08	0.05	0.03
VER. INER PRESS.	1.81	2.04	2.12	2.05	1.90	1.70	1.49	1.29	1.11
ELEV = 0.00									
HOR. DRAG PRESS.	0.43	0.08	-0.03	-0.24	-0.50	-0.8[illegible]	-1.18	-1.49	-1.75
HOR. INER PRESS.	30.75	28.42	25.86	22.18	18.87	15.71	12.80	10.21	7.92
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WAVE: CREST: 93 FT. DEPTH

**** X =	340.00	360.00	380.00	400.00
SURFACE =	86.79	86.52	86.14	86.24
SURFACE				
HOR. DRAG PRESS.	-10.91	-11.70	-12.27	-12.64
HOR. INER PRESS.	3.18	2.20	1.59	0.79
VER. DRAG PRESS.	0.90	0.43	0.17	0.03
VER. INER PRESS.	7.26	4.96	5.33	5.29
ELEV = 140.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 130.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 120.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 110.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 100.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 90.00				
HOR. DRAG PRESS.	-10.91	-11.70	-12.27	-12.64
HOR. INER PRESS.	3.18	2.20	1.59	0.79
VER. DRAG PRESS.	0.90	0.43	0.17	0.03
VER. INER PRESS.	7.26	4.96	5.33	5.29
ELEV = 80.00				
HOR. DRAG PRESS.	-11.51	-12.40	-13.02	-13.40
HOR. INER PRESS.	3.44	2.31	1.69	0.78
VER. DRAG PRESS.	0.91	0.39	0.15	0.03
VER. INER PRESS.	6.81	5.71	5.12	5.00
ELEV = 70.00				
HOR. DRAG PRESS.	-12.50	-13.57	-14.31	-14.74
HOR. INER PRESS.	4.21	2.91	1.85	0.81
VER. DRAG PRESS.	0.66	0.32	0.12	0.02
VER. INER PRESS.	6.12	5.22	4.69	4.50
ELEV = 60.00				
HOR. DRAG PRESS.	-13.65	-14.89	-15.75	-16.22
HOR. INER PRESS.	4.48	3.24	2.02	0.85
VER. DRAG PRESS.	0.41	0.25	0.09	0.02
VER. INER PRESS.	5.36	4.63	4.17	3.97
ELEV = 50.00				
HOR. DRAG PRESS.	-14.97	-16.38	-17.34	-17.87
HOR. INER PRESS.	5.06	3.52	2.17	0.91
VER. DRAG PRESS.	0.37	0.18	0.07	0.01
VER. INER PRESS.	4.54	3.97	3.58	3.39
ELEV = 40.00				
HOR. DRAG PRESS.	-16.50	-18.06	-19.13	-19.71
HOR. INER PRESS.	5.37	3.78	2.30	0.95
VER. DRAG PRESS.	0.28	0.12	0.04	0.01
VER. INER PRESS.	3.71	3.24	2.93	2.77
ELEV = 30.00				
HOR. DRAG PRESS.	-18.25	-19.96	-21.13	-21.77
HOR. INER PRESS.	5.60	3.91	2.40	0.99
VER. DRAG PRESS.	0.14	0.07	0.03	0.00
VER. INER PRESS.	2.42	2.07	2.29	2.11
ELEV = 20.00				
HOR. DRAG PRESS.	-20.25	-22.10	-23.36	-24.06
HOR. INER PRESS.	5.77	4.03	2.47	1.02
VER. DRAG PRESS.	0.06	0.03	0.01	0.00
VER. INER PRESS.	1.90	1.67	1.51	1.43
ELEV = 10.00				
HOR. DRAG PRESS.	-22.53	-24.51	-25.86	-26.60
HOR. INER PRESS.	5.87	4.11	2.52	1.04
VER. DRAG PRESS.	0.02	0.01	0.00	0.00
VER. INER PRESS.	0.94	0.88	0.74	0.72
ELEV = 0.00				
HOR. DRAG PRESS.	-1.97	-2.13	-2.25	-2.31
HOR. INER PRESS.	5.91	4.13	2.53	1.05
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00

APPENDIX B.1

SEALOAD - 50 Year Storm - Crest

```
                    ************************************************
                    *                                              *
                    *                  SEALOAD-2                   *
                    *                                              *
                    *      DEVELOPED BY SYNERCOM TECHNOLOGY, INC.  *
                    *                 HOUSTON, TEXAS               *
                    *               RELEASE 2  MOD 13              *
                    *                  AUG 1976                    *
                    *                                              *
                    ************************************************

                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1  COEF     1000  1000        1000
    2          16000  1000        1000
    3          20000  1000        1000
    4          20330  1000        0297
    5          21000  1000        1000
    6          22050  1000        0322
    7          24000  1000        1000
    8          24010  1000        0363
    9          26800  1000        0246
   10          27570  1000        0403
   11          30000  1000        1000
   12          30320  1000        0443
   13          40000  1000        1000
   14          45000  1000        1000
   15          47000  1000        1000
   16          47500  1000        1000
   17          65470  1000        0957
   18          66160  1000        0967
   19          67540  1000        0987
   20  END     68230  1000        0997
   21  U.S. NAVY - ACMR PLATFORMS - PLATFORM 2 - MWL 93.0 FEET
   22                        WAVE FOR 50 YEAR STORM
   23                           G. BUCKMASTER
   24                             JULY, 1976
   25                             27-771-01
   26  STRAN   1 600 30 30 5011  2 900 30 30 5011 OF 11    00 5                    3 1
   27  END    32400 30 30 5011  42700 30 30 5011
   28  GMI      0   16          FULL VERT
   29  XSP     00  200  400 7691 8091 8291
   30  YSPC  1400 1300 1200 1100 1000  900  800  700  600  500  400  300  200  100   00
   31  YSHP  1470 1416 1326 1325 1416 1470
   32  147 D 4263 2396 1680 1680 2396 4263
   33  140 D 7143 4902 1680 1680 4902 7143
   34  130 D 9751 7751 4535 4535 7751 9751
   35  120 D 8452 8053 6394 6394 8038 8452
   36  110 D 5759 5361 4322 4322 5361 5759
   37  100 D 4691 4384 3596 3598 4384 4691
   38   90 D 3848 3661 3067 3067 3661 3848
   39   80 D 3268 3095 2635 2635 3095 3268
   40   70 D 2783 2648 2284 2284 2648 2783
   41   60 D 2402 2294 1999 1999 2294 2402
   42   50 D 2101 2012 1772 1772 2012 2101
```

```
                                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
      43  40   D 1067 1794 1590 1590 1794 1067
      44  30   D 1696 1622 1443 1443 1622 1686
      45  20   D 1545 1467 1326 1326 1487 1545
      46  10   D 1436 1365 1234 1234 1365 1434
      47   0   D  107  103   91   91  103  107
      48 147   I   00  671  823= 823= 671   00
      49 140   I   00  643  823= 823= 643   00
      50 130   I   00  494  781= 781= 494   00
      51 120   I   00  306  639= 639= 306   00
      52 110   I   00  308  526= 526= 308   00
      53 100   I   00  249  436= 436= 249   00
      54  90   I   00  205  368= 368= 205   00
      55  80   I   00  171  313= 313= 171   00
      56  70   I   00  145  269= 269= 145   00
      57  60   I   00  126  235= 235= 126   00
      58  50   I   00  110  209= 209= 110   00
      59  40   I   00   99  188= 188=  99   00
      60  30   I   00   90  173= 173=  90   00
      61  20   I   00   85  163= 163=  85   00
      62  10   I   00   81  157= 157=  81   00
      63   0   I   00   80  155= 155=  80   00
      64 147vD   00  764 1509=1509= 764   00
      65 140vD   00  706 1509=1509= 706   00
      66 130vD   00  444 1361=1361= 444   00
      67 120vD   00  287  917= 917= 287   00
      68 110vD   00  190  625= 625= 190   00
      69 100vD   00  127  429= 429= 129   00
      70  90 vD   00   86  295= 295=  86   00
      71  80 vD   00   58  202= 202=  58   00
      72  70 vD   00   39  137= 137=  39   00
      73  60 vD   00   26   91=  91=  26   00
      74  50 vD   00   16   58=  58=  16   00
      75  40 vD   00   10   35=  35=  10   00
      76  30 vD   00   05   19=  19=  05   00
      77  20 vD   00   02   08=  08=  02   00
      78  10 vD   00   01   02=  02=  01   00
      79   0 vD   00   00   00   00   00   00
      80 147vI= 679= 497= 210= 210= 497= 679
      81 140vI= 701= 509= 210= 210= 509= 701
      82 130vI= 674= 536= 234= 234= 536= 674
      83 120vI= 617= 520= 290= 290= 520= 617
      84 110vI= 552= 481= 306= 306= 481= 552
      85 100vI= 486= 433= 299= 299= 433= 486
      86  90 vI= 423= 383= 280= 280= 383= 423
      87  80 vI= 364= 333= 253= 253= 333= 364
      88  70 vI= 309= 286= 223= 223= 286= 309
      89  60 vI= 258= 240= 191= 191= 240= 258
      90  50 vI= 210= 197= 159= 159= 197= 210
      91  40 vI= 165= 155= 127= 127= 155= 165
      92  30 vI= 122= 115=  95=  95= 115= 122
```

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
      93  20 VI=  81=  76=  64=  64=  76=  81
      94  10 VI=  40=  38=  32=  32=  38=  40
      95  0  VI   00   00   00   00   00   00
      96  WIND  1    50 361  153  1095 145 15   ALL
      97          2   121 361  156  1095 145 15   ALL
      98  END
```

**** COEFFICIENT TABLE REPORT ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
1.000	.1000	-0.0000	1.0000
10.000	.1000	-0.0000	1.0000
20.000	.1000	-0.0000	1.0000
20.330	.1000	-0.0000	.2970
21.000	.1000	-0.0000	1.0000
22.050	.1000	-0.0000	.3220
24.000	.1000	-0.0000	1.0000
24.010	.1000	-0.0000	.3630
26.000	.1000	-0.0000	.2460
27.370	.1000	-0.0000	.4030
30.000	.1000	-0.0000	1.0000
30.320	.1000	-0.0000	.4450
40.000	.1000	-0.0000	1.0000
45.000	.1000	-0.0000	1.0000
47.000	.1000	-0.0000	1.0000
47.500	.1000	-0.0000	1.0000
65.470	.1000	-0.0000	.9570
66.160	.1000	-0.0000	.9670
67.540	.1000	-0.0000	.9870
68.230	.1000	-0.0000	.9970

U.S. NAVY - ACMR PLATFORMS - PLATFORM 2 - MWL 93.0 FEET

WAVE FOR 50 YEAR STORM

G. BUCKMASTER

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 1 WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-30.0	13.03	599.9	1124.4	1274.5	-89506.	46094.	100678.	-51.2
2	-25.0	10.86	607.4	1150.5	1301.0	-93611.	47418.	104936.	-63.4
3	-20.0	8.68	622.9	1161.6	1318.1	-96053.	50005.	108290.	-74.3
4	-15.0	6.51	638.3	1176.3	1338.3	-99433.	52814.	112589.	-93.0
5	-10.0	4.34	639.1	1162.1	1326.2	-99253.	53832.	112911.	-100.1
6	-5.0	2.17	634.6	1140.6	1305.3	-98294.	54239.	112266.	-107.4
7	0.0	-0.00	618.5	1098.1	1260.3	-94789.	53245.	108721.	-114.0
8	5.0	-2.17	587.8	1034.4	1189.8	-88695.	50503.	102239.	-114.2
9	10.0	-4.34	545.3	955.7	1100.3	-81206.	46284.	93470.	-110.8
10	15.0	-6.51	506.1	882.0	1016.9	-74207.	42510.	85521.	-104.2
11	20.0	-8.68	464.4	803.0	927.6	-66247.	38328.	76556.	-99.1
12	25.0	-10.86	421.9	721.4	835.7	-57785.	34003.	67047.	-87.7
13	30.0	-13.03	386.6	667.7	771.5	-52868.	30577.	61073.	-85.5

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	639.1422 KIPS
Y SHEAR FORCE =	1162.0762 KIPS
RESULTANT SHEAR FORCE =	1326.2443 KIPS
X MUDLINE MOMENT =	-99252.6111 FT-KIPS
Y MUDLINE MOMENT =	55831.7455 FT-KIPS
RESULTANT MUDLINE MOMENT =	112911.1935 FT-KIPS
Z VERTICAL FORCE =	-100.0843 KIPS

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 2 WAVE ANGLE = 90.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-30.0	13.03	4.6	1293.8	1293.8	-102685.	583.	102687.	-37.7
2	-25.0	10.86	10.2	1349.9	1349.9	-111141.	1346.	111149.	-52.9
3	-20.0	8.68	13.0	1349.4	1349.4	-112270.	1730.	112283.	-64.9
4	-15.0	6.51	15.9	1358.9	1359.0	-114863.	2141.	114883.	-79.0
5	-10.0	4.34	19.1	1360.3	1360.5	-117110.	2606.	117139.	-93.4
6	-5.0	2.17	11.6	1311.1	1311.2	-113140.	1537.	113151.	-96.3
7	0.0	-0.00	7.3	1248.2	1248.2	-107262.	937.	107266.	-98.3
8	5.0	-2.17	2.7	1166.2	1166.2	-99432.	287.	99433.	-97.5
9	10.0	-4.34	-1.4	1094.5	1094.5	-92889.	-287.	92890.	-97.3
10	15.0	-6.51	-3.8	968.0	968.0	-79918.	-622.	79920.	-93.7
11	20.0	-8.68	-3.4	890.4	890.4	-72922.	-553.	72924.	-75.5
12	25.0	-10.86	-1.4	800.7	800.7	-64695.	-269.	64695.	-74.4
13	30.0	-13.03	.0	730.8	730.8	-57736.	-63.	57736.	-74.1

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 2 WAVE DIRECTION = 90.000

X SHEAR FORCE =	19.1478 KIPS
Y SHEAR FORCE =	1360.3456 KIPS
RESULTANT SHEAR FORCE =	1360.4803 KIPS
X MUDLINE MOMENT =	-117110.4091 FT-KIPS
Y MUDLINE MOMENT =	2605.5641 FT-KIPS
RESULTANT MUDLINE MOMENT =	117139.3909 FT-KIPS
Z VERTICAL FORCE =	-93.3705 KIPS

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 3 WAVE ANGLE = 240.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-30.0	13.03	-615.6	-1088.5	1250.5	85028.	-48104.	97692.	-22.5
2	-25.0	10.86	-629.4	-1107.1	1273.6	88057.	-50307.	101414.	-30.0
3	-20.0	8.68	-651.6	-1141.2	1314.1	93335.	-53826.	107743.	-39.5
4	-15.0	6.51	-652.7	-1150.8	1325.0	95818.	-54827.	110395.	-53.1
5	-10.0	4.34	-642.8	-1155.3	1322.1	97881.	-54495.	112029.	-61.3
6	-5.0	2.17	-631.3	-1154.2	1315.5	99475.	-54059.	113215.	-68.5
7	0.0	-0.00	-604.5	-1126.0	1278.0	97649.	-51676.	110480.	-74.6
8	5.0	-2.17	-565.1	-1075.3	1214.7	93233.	-47851.	104795.	-77.5
9	10.0	-4.34	-519.0	-1008.2	1133.9	86942.	-43295.	97126.	-77.3
10	15.0	-6.51	-476.6	-942.5	1056.1	80736.	-39216.	89756.	-72.8
11	20.0	-8.68	-428.3	-855.7	956.9	71679.	-34233.	79434.	-74.4
12	25.0	-10.86	-389.1	-790.5	881.1	65259.	-30382.	71985.	-68.5
13	30.0	-13.03	-361.6	-724.4	809.6	58806.	-28057.	65156.	-68.2

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 3 WAVE DIRECTION =240.000

X SHEAR FORCE =	-631.2693 KIPS
Y SHEAR FORCE =	-1154.1838 KIPS
RESULTANT SHEAR FORCE =	1315.5479 KIPS
X MUDLINE MOMENT =	99475.2596 FT-KIPS
Y MUDLINE MOMENT =	-54058.6662 FT-KIPS
RESULTANT MUDLINE MOMENT =	113215.1545 FT-KIPS
Z VERTICAL FORCE =	-68.4476 KIPS

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 4 — WAVE ANGLE = 270.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-30.0	15.03	4.0	-1241.0	1241.0	96041.	587.	96042.	-30.5
2	-25.0	10.86	5.6	-1261.2	1261.2	99185.	804.	99188.	-41.1
3	-20.0	8.68	7.4	-1277.9	1277.9	102357.	1036.	102363.	-53.4
4	-15.0	6.51	2.4	-1305.0	1305.0	107659.	339.	107660.	-61.0
5	-10.0	4.34	1.0	-1351.1	1351.1	115034.	194.	115034.	-74.1
6	-5.0	2.17	-.2	-1321.6	1321.6	113013.	-74.	113013.	-80.8
7	0.0	-0.00	-1.6	-1293.0	1293.0	111716.	-270.	111719.	-87.8
8	5.0	-2.17	-.5	-1247.3	1247.3	108408.	-127.	108408.	-94.4
9	10.0	-4.34	2.7	-1200.0	1200.0	104475.	320.	104475.	-90.4
10	15.0	-6.51	4.4	-1104.7	1104.7	94304.	543.	94306.	-89.5
11	20.0	-8.68	5.3	-1013.0	1013.0	84901.	674.	84904.	-88.1
12	25.0	-10.86	5.9	-939.1	939.1	77665.	761.	77669.	-88.0
13	30.0	-13.03	6.5	-830.0	830.0	65982.	819.	65987.	-83.7

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 4 WAVE DIRECTION =270.000

X SHEAR FORCE =	1.5927 KIPS
Y SHEAR FORCE =	-1351.1451 KIPS
RESULTANT SHEAR FORCE =	1351.1460 KIPS
X MUDLINE MOMENT =	115033.7969 FT-KIPS
Y MUDLINE MOMENT =	194.1206 FT-KIPS
RESULTANT MUDLINE MOMENT =	115033.9607 FT-KIPS
Z VERTICAL FORCE =	-74.1271 KIPS

**** D E A D L O A D R E P O R T ****

LOAD CONDITION 5 MEAN WATER DEPTH = 139.800 FT

STRUCTURE DEAD LOAD = -397.2605 KIPS

**** D E A D L O A D R E P O R T ****

LOAD CONDITION 5 MEAN WATER DEPTH = 139.800 FT

STRUCTURE DEAD LOAD = -397.2605 KIPS

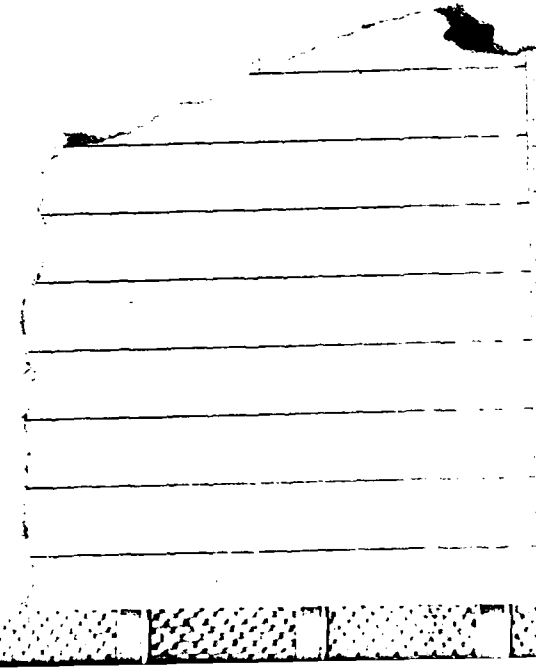
SEALIAU-2

DEVELOPED BY SYNERCOM TECHNOLOGY, INC.
HOUSTON, TEXAS
RELEASE 2 MOD 13
AUG 1976

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1  SECT
    2  SECT #ISHBON    PRI  5000 3000000 3000000 3000000   1000          500
    3  SECT #18X50     #FC  1020     125   80200    4020    750  570 1800  358   50
    4  SECT #8X24      #FC   706      34    8250    1820    650  398  795  245   50
    5  SECT #8X15      #FC   456      11    3010     967    600  269  600  235   50
    6  SECT #21X73     #FC  2150     302  160000    7060    850 0740 2124 0455  064
    7  GROUP
    8  GROUP 086             862  500  29  116  36          100 100       5000
    9  GROUP 106            1075  844  29  116  36          100 100       5000
   10  GROUP 120            1275  500  29  116  36           80 100       5000
   11  GROUP 120            1275  750                       80 100       5000
   12  GROUP 123            1275  500  29  116  36           80  80       5000
   13  GROUP 125            1275  500  29  116  36           80  80       5000
   14  GROUP 127            1075  365                       80  80       5000
   15  GROUP 137            1275  375                      160  80       5000
   16  GROUP 148            1075  365                       80  80       5000
   17  GROUP 149            1075  365                       80  80       5000
   18  GROUP 140            1400  375  29  116  36           80  80       5000
   19  GROUP 180            1600  625                       80  80       5000
   20  GROUP 165            1600  625                       80 100       5000
   21  GROUP 168            1275  375                      160  80       5000
   22  GROUP 189            1400  500                      160  80       5000
   23  GROUP 200            2000  525  29  116  36           80  80       5000
   24  GROUP 200            2000  625  29  116  36          160  80       5000
   25  GROUP DRL            3000 1000  29  116  36          100 100       5000
   26  GROUP  P1            4200 1750  29  116  36          100 100       5000
   27  GROU   P2            4200 2000  29  116  36          100 100       5000
   28  GRO    P3            4200 2375                      100 100       5000
   29  GROUP JL4            4650 1000                       80 100       5000
   30  GROUP JL5            4650 1000                       80 100       5000
   31  GROUP JL6            4650 1000                       80 100       5000
   32  GROUP JL7            4550  500                       80 100       5000
   33  GROUP JL8            4550  500                       80 100       5000
   34  GROUP JL9            4550  500                       80 100       5000
   35  GROUP DUM            1800  500  29  116  36          100 100       5000
   36  GROUP #SH #ISHBON                 29  116  36
   37  GROUP #18 #18X50                  29  116  36          200  50   01
   38  GROUP #08 #8X24                   29  116  36          100 100   01
   39  GROUP #21 #21X73                  29  116  36          200  50   01
   40  MEMBER
   41  MEMBER  101 102 W18                                                1800
   42  MEMBER  102 103 #18                                                1800
```

```
                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

      43 MEMBER  103 105 W18                                                      1800
      44 MEMBER  105 106 W18                                                      1800
      45 MEMBER  101 104 W18                                                      1800
      46 MEMBER  104 106 W18                                                      1800
      47 MEMBER  102 104 W08                                                      0800
      48 MEMBER  102 105 W08                                                      0800
      49 MEMBER  104 105 W08                                                      0800
      50 MEMBER  105 201 120SK    111   111                                       2400
      51 MEMBER  201 202 W18                                                      1800
      52 MEMBER  202 203 W18                                                      1800
      53 MEMBER  203 205 W21                                                      2100
      54 MEMBER  205 206 W21                                                      2100
      55 MEMBER  201 204 W18                                                      1800
      56 MEMBER  204 206 W18                                                      1800
      57 MEMBER  202 204 W08                                                      0800
      58 MEMBER  202 205 W08                                                      0800
      59 MEMBER  204 205 W04                                                      0800
      60 MEMBER  201 303 120                                                      4300
      61 MEMBER  203 306 120                                                      4300
      62 MEMBER  206 301 120                                                      4300
      63 MEMBER  301 403 120SK    111   111                                       2400
      64 MEMBER  301 303 123                                                      2100
      65 MEMBER  303 306 123                                                      2100
      66 MEMBER  301 306 123                                                      2100
      67 MEMBER  301 302 105                                                      1600
      68 MEMBER  302 303 105                                                      1600
      69 MEMBER  303 305 105                                                      1600
      70 MEMBER  305 306 105                                                      1600
      71 MEMBER  301 304 105                                                      1600
      72 MEMBER  304 306 105                                                      1600
      73 MEMBER  302 304 125                                                      1275
      74 MEMBER  302 305 125                                                      1275
      75 MEMBER  304 305 125                                                      1275
      76 MEMBER  301 307 WBNSK                                                    0000
      77 MEMBER  307 310 WBNSK          1111                                      0000
      78 MEMBER  303 308 WBNSK                                                    0000
      79 MEMBER  308 311 WBNSK          1111                                      0000
      80 MEMBER  306 309 WBTSK                                                    0000
      81 MEMBER  309 312 WBTSK          1111                                      0000
      82 MEMBER  301 313 125SK                                                    1200
      83 MEMBER  303 314 125SK                                                    1200
      84 MEMBER  313 651 BUMSK                                                    4000
      85 MEMBER  314 653 BUMSK                                                    4000
      86 MEMBER  601 611 1065K                                                    1400
      87 MEMBER  603 613 1065K                                                    1400
      88 MEMBER  651 601 1065K
      89 MEMBER  653 653 1065K
      90 MEMBER  611 612 0865K                                                    1200
      91 MEMBER  612 613 0865K                                                    1200
      92 MEMBER  601 602 0865K                                                    2680
```



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LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
  143  MEMBER  901  904  169                                                    2205
  144  MEMBER  904  906  169                                                    2205
  145  MEMBER  902  904  149                                                    1757
  146  MEMBER  902  905  149                                                    1757
  147  MEMBER  904  905  149                                                    1757
  148  MEMBER  901  907  MBMSK                                                  0000
  149  MEMBER  907  910  MBMSK  1111                                           0000
  150  MEMBER  903  909  MBMSK                                                  0000
  151  MEMBER  906  911  MBMSK  1111                                           0000
  152  MEMBER  906  909  MBMSK                                                  0000
  153  MEMBER  909  912  MBMSK  1111                                           0000
  154  MEMBER 9011002 160                                                      2481
  155  MEMBER 9031002 160                                                      2481
  156  MEMBER 9031005 160                                                      2481
  157  MEMBER 9061005 160                                                      2481
  158  MEMBER 9011004 160                                                      2481
  159  MEMBER 9061004 160                                                      2481
  160  MEMBER 10011002 200                                                     3032
  161  MEMBER 10021003 200                                                     3032
  162  MEMBER 10031005 200                                                     3032
  163  MEMBER 10051006 200                                                     3032
  164  MEMBER 10011004 200                                                     3032
  165  MEMBER 10041006 200                                                     3032
  166  MEMBER 10021004 140                                                     2205
  167  MEMBER 10021005 140                                                     2205
  168  MEMBER 10041005 140                                                     2205
  169  MEMBER 10011007 MBMSK                                                   0000
  170  MEMBER 10071010 MBMSK  1111                                             0000
  171  MEMBER 10051008 MBMSK                                                   0000
  172  MEMBER 10081011 MBMSK  1111                                             0000
  173  MEMBER 10061009 MBMSK                                                   0000
  174  MEMBER 10091012 MBMSK  1111                                             0000
  175  MEMBER  101  201  DRL
  176  MEMBER  103  203  DRL
  177  MEMBER  106  206  DRL                                                   3000
  178  MEMBER  201  301  DRL                                                   3000
  179  MEMBER  203  303  DRL                                                   3000
  180  MEMBER  206  306  DRL                                                   3000
  181  MEMBER  301  401  DRL                                                   3000
  182  MEMBER  303  403  DRL                                                   3000
  183  MEMBER  306  406  DRL                                                   3000
  184  MEMBER  401  501  JL4                                                F  4750
  185  MEMBER  403  503  JL4                                                F  4750
  186  MEMBER  406  506  JL4                                                F  4750
  187  MEMBER  501  601  JL5                                                F  4750
  188  MEMBER  503  603  JL5                                                F  4750
  189  MEMBER  506  606  JL5                                                F  4750
  190  MEMBER  601  641  JL6                                                F  4750
  191  MEMBER  603  643  JL6                                                F  4750
  192  MEMBER  606  646  JL6                                                F  4750
```

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   193  MEMBER  641 651 JL6                                                    F  6823
   194  MEMBER  643 653 JL6                                                    F  6823
   195  MEMBER  646 656 JL6                                                    F  6823
   196  MEMBER  651 701 JL6                                                    F  6823
   197  MEMBER  653 703 JL6                                                    F  6823
   198  MEMBER  656 706 JL6                                                    F  6823
   199  MEMBER  701 801 JL7                                                    F  6547
   200  MEMBER  703 803 JL7                                                    F  6547
   201  MEMBER  706 806 JL7                                                    F  6547
   202  MEMBER  801 901 JL8                                                    F  6547
   203  MEMBER  803 903 JL8                                                    F  6547
   204  MEMBER  806 906 JL8                                                    F  6547
   205  MEMBER  9011001 JL9                                                    F  6547
   206  MEMBER  9031003 JL9                                                    F  6547
   207  MEMBER  9061006 JL9                                                    F  6547
   208  MEMBER  401 510  P1                                                    F  0000 1
   209  MEMBER  403 511  P1                                                    F  0000 2
   210  MEMBER  406 512  P1                                                    F  0000 3
   211  MEMBER  510 710  P1                                                    F  0000 1
   212  MEMBER  511 711  P1                                                    F  0000 2
   213  MEMBER  512 712  P1                                                    F  0000 3
   214  MEMBER  710 810  P2                                                    F  0000 1
   215  MEMBER  711 811  P2                                                    F  0000 2
   216  MEMBER  712 812  P2                                                    F  0000 3
   217  MEMBER  810 910  P2                                                    F  0000 1
   218  MEMBER  811 911  P2                                                    F  0000 2
   219  MEMBER  812 912  P2                                                    F  0000 3
   220  MEMBER  9101010  P3                                                    F  0000 1
   221  MEMBER  9111011  P3                                                    F  0000 2
   222  MEMBER  9121012  P3                                                    F  0000 3
   223  FOUND
   224  CVRG      4        0.05      0.05      0.005
   225  PILE   1010      200.0      29.0       11.6
   226  PROP             42.0       42.0      2.375      20.0
   227  PROP             42.0       42.0       1.75      70.0
   228  PROP             42.0       42.0        1.5     120.0
   229  PROP             42.0       42.0        1.5     200.0
   230  PY        2       0.0
   231  FORCE            0.0        0.0
   232  DEPL             0.0       20.0
   233  PY        2       5.0
   234  FORCE            0.0        0.0
   235  DEPL             0.0       20.0
   236  PY        8       8.0
   237  FORCE            0.0      0.107      0.129      0.153      0.169      0.188
   238  FORCE          0.237      0.237
   239  DEPL             0.0      0.049       0.12       0.27       0.43       0.70
   240  DEPL            1.58       20.0
   241  PY        8      14.0
   242  FORCE            0.0      0.566      0.611      0.906      1.136      1.440
```

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                                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO.  1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  243  FORCE              2.274     2.274
  244  DEPL                 0.0     0.036     0.11      0.26      0.42      0.70
  245  DEPL                1.58      20.0
  246  PY        8         24.0
  247  FORCE                0.0     1.204    1.681     2.347     2.896     3.644
  248  FORCE              5.830     5.830
  249  DEPL                 0.0     0.069     0.14      0.28      0.45      0.70
  250  DEPL                1.58      20.0
  251  PY        8         33.0
  252  FORCE                0.0     2.789    3.444     4.456     5.337     6.572
  253  FORCE             10.515    10.515
  254  DEPL                 0.0      0.12      0.18      0.31      0.45      0.70
  255  DEPL                1.58      20.0
  256  PY        7        33.08
  257  FORCE                0.0     1.354    1.838     2.494     3.384     4.594
  258  FORCE              4.594
  259  DEPL                 0.0     0.064     0.16      0.40      1.01      2.52
  260  DEPL                20.0
  261  PY        7         45.0
  262  FORCE                0.0     2.321    3.150     4.275     5.802     7.875
  263  FORCE              7.875
  264  DEPL                 0.0     0.064     0.16      0.40      1.01      2.52
  265  DEPL                20.0
  266  PY        8        45.08
  267  FORCE                0.0     2.532    3.433     4.719     5.791     7.259
  268  FORCE             11.615    11.615
  269  DEPL                 0.0     0.078     0.15      0.29      0.44      0.70
  270  DEPL                1.58      20.0
  271  PY        8         65.0
  272  FORCE                0.0     3.542    4.840     6.680     8.210    10.303
  273  FORCE             16.485    16.485
  274  DEPL                 0.0     0.075     0.15      0.28      0.44      0.70
  275  DEPL                1.58      20.0
  276  PY        8         90.0
  277  FORCE                0.0     4.756    6.551     9.079    11.176    14.040
  278  FORCE             22.464    22.464
  279  DEPL                 0.0     0.073     0.14      0.28      0.44      0.70
  280  DEPL                1.58      20.0
  281  PY        8        90.08
  282  FORCE                0.0     1.499    3.003     4.689     5.988     7.706
  283  FORCE             12.329    12.329
  284  DEPL                 0.0     0.023     0.098     0.25      0.41      0.70
  285  DEPL                1.58      20.0
  286  PY        8         95.0
  287  FORCE                0.0     1.581    3.167     4.945     6.314     8.126
  288  FORCE             13.001    13.001
  289  DEPL                 0.0     0.023     0.098     0.25      0.41      0.70
  290  DEPL                1.58      20.0
  291  PY        8        114.0
  292  FORCE                0.0     1.838    3.728     5.833     7.452     9.594
```

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  293  FORCE          15.350    15.350
  294  DEPL            0.0       0.022     0.097     0.25      0.41      0.70
  295  DEPL            1.58     20.0
  296  PILE  1011     200.0     29.0       11.6
  297  PILE  1012     200.0     29.0       11.6
  298  JOINT
  299  JOINT  101     1450     -837      16800                          TOP DECK
  300  JOINT  102      000     -837      16800                          TOP DECK
  301  JOINT  103    -1450     -837      16800                          TOP DECK
  302  JOINT  104      725      418      16800                          TOP DECK
  303  JOINT  105     -725      418      16800                          TOP DECK
  304  JOINT  106      000     1674      16800                          TOP DECK
  305  JOINT  201     1450     -837      15300                          EQM DECK
  306  JOINT  202      000     -837      15300                          EQM DECK
  307  JOINT  203    -1450     -837      15300                          EQM DECK
  308  JOINT  204      725      418      15300                          EQM DECK
  309  JOINT  205     -725      418      15300                          EQM DECK
  310  JOINT  206      000     1674      15300                          EQM DECK
  311  JOINT  301     1450     -837      13800                          DK BRACE
  312  JOINT  303    -1450     -837      13800                          DK BRACE
  313  JOINT  306      000     1674      13800                          DK BRACE
  314  JOINT  401     1450     -837      10950                          MP LEVEL
  315  JOINT  403    -1450     -837      10950                          MP LEVEL
  316  JOINT  406      000     1674      10950                          MP LEVEL
  317  JOINT  501     1515     -875      10500                          S LEVEL
  318  JOINT  502      000     -875      10500                          S LEVEL
  319  JOINT  503    -1515     -875      10500                          S LEVEL
  320  JOINT  504      757      437      10500                          S LEVEL
  321  JOINT  505     -757      437      10500                          S LEVEL
  322  JOINT  506      000     1749      10500                          S LEVEL
  323  JOINT  507     1686     -973      10533                          S LEVEL
  324  JOINT  508    -1686     -973      10533                          S LEVEL
  325  JOINT  509      000     1947      10533                          S LEVEL
  326  JOINT  510     1515     -875      10501                          S LEVEL
  327  JOINT  511    -1515     -875      10501                          S LEVEL
  328  JOINT  512      000     1749      10501                          S LEVEL
  329  JOINT  513     1775    -1025      10500                          S LEVEL
  330  JOINT  514    -1775    -1025      10500                          S LEVEL
  331  JOINT  601     1601     -925       9900                          BOAT LOG
  332  JOINT  603    -1601     -925       9900                          BOAT LOG
  333  JOINT  606      000     1848       9900                          BOAT LOG
  334  JOINT  611     1601    -1525       9900                          BOAT LOG
  335  JOINT  612      000    -1525       9900                          BOAT LOG
  336  JOINT  615    -1601    -1525       9900                          BOAT LOG
  337  JOINT  641     1686     -975       9500                          MLW
  338  JOINT  642     -113     -975       9500                          MLW
  339  JOINT  643    -1686     -975       9500                          MLW
  340  JOINT  644      900      390       9500                          MLW
  341  JOINT  645     -788      585       9500                          MLW
  342  JOINT  646      000     1949       9500                          MLW
```

LINE NO.						
343	JOINT	651	1775	-1025	8700	BUAT LDG
344	JOINT	653	-1775	-1025	8700	BUAT LDG
345	JOINT	656	000	2049	8700	BUAT LDG
346	JOINT	661	1775	-1525	8700	BUAT LDG
347	JOINT	662	000	-1525	8700	BUAT LDG
348	JOINT	663	-1775	-1525	8700	BUAT LDG
349	JOINT	701	1876	-1083	8000	7 LEVEL
350	JOINT	702	000	-1083	8000	7 LEVEL
351	JOINT	703	-1876	-1083	8000	7 LEVEL
352	JOINT	704	938	542	8000	7 LEVEL
353	JOINT	705	-938	542	8000	7 LEVEL
354	JOINT	706	000	2166	8000	7 LEVEL
355	JOINT	707	2047	-1182	8033	7 LEVEL
356	JOINT	708	-2047	-1182	8033	7 LEVEL
357	JOINT	709	000	2363	8033	7 LEVEL
358	JOINT	710	1876	-1083	8001	7 LEVEL
359	JOINT	711	-1876	-1083	8001	7 LEVEL
360	JOINT	712	000	2166	8001	7 LEVEL
361	JOINT	801	2251	-1300	5400	8 LEVEL
362	JOINT	802	000	-1300	5400	8 LEVEL
363	JOINT	803	-2251	-1300	5400	8 LEVEL
364	JOINT	804	1126	650	5400	8 LEVEL
365	JOINT	805	-1126	650	5400	8 LEVEL
366	JOINT	806	000	2599	5400	8 LEVEL
367	JOINT	807	2422	-1398	5433	8 LEVEL
368	JOINT	808	-2422	-1398	5433	8 LEVEL
369	JOINT	809	000	2797	5433	8 LEVEL
370	JOINT	810	2251	-1300	5401	8 LEVEL
371	JOINT	811	-2251	-1300	5401	8 LEVEL
372	JOINT	812	000	2599	5401	8 LEVEL
373	JOINT	901	2641	-1525	2700	9 LEVEL
374	JOINT	902	000	-1525	2700	9 LEVEL
375	JOINT	903	-2641	-1525	2700	9 LEVEL
376	JOINT	904	1320	762	2700	9 LEVEL
377	JOINT	905	-1320	762	2700	9 LEVEL
378	JOINT	906	000	3049	2700	9 LEVEL
379	JOINT	907	2812	-1623	2733	9 LEVEL
380	JOINT	908	-2812	-1623	2733	9 LEVEL
381	JOINT	909	000	3247	2733	9 LEVEL
382	JOINT	910	2641	-1525	2701	9 LEVEL
383	JOINT	911	-2641	-1525	2701	9 LEVEL
384	JOINT	912	000	3049	2701	9 LEVEL
385	JOINT	1001	3031	-1750	000	MUDLINE
386	JOINT	1002	000	-1750	000	MUDLINE
387	JOINT	1003	-3031	-1750	000	MUDLINE
388	JOINT	1004	1515	875	000	MUDLINE
389	JOINT	1005	-1515	875	000	MUDLINE
390	JOINT	1006	000	3499	000	MUDLINE
391	JOINT	1007	3201	-1848	033	MUDLINE
392	JOINT	1008	-3201	-1848	033	MUDLINE

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     393 JOINT 1009      000    3697     033                                    MUDLINE
     394 JOINT 1010     3031   -1750     001                                    111111
     395 JOINT 1010                                                            NONLIN
     396 JOINT 1010                                          1010     910 OBLIQU
     397 JOINT 1011    -3031   -1750     001                                    111111
     398 JOINT 1011                                                            NONLIN
     399 JOINT 1011                                          1011     911 OBLIQU
     400 JOINT 1012      000    3499     001                                    111111
     401 JOINT 1012                                                            NONLIN
     402 JOINT 1012                                          1012     912 OBLIQU
     403 LOAD
     404 LOADCN   1
     405 LOAD X  401 510     0.00      67                                      GLOB CONC     WN 0 1
     406 LOAD Y  401 510                                          0.00   35120 GLOB MOMT     WN 0 1
     407 LOAD Y  401 510     0.00     117                                      GLOB CONC     WN 0 1
     408 LOAD X  401 510                                          0.00- 60830 GLOB MOMT     WN 0 1
     409 LOAD X  403 511     0.00      67                                      GLOB CONC     WN 0 1
     410 LOAD Y  403 511                                          0.00   35120 GLOB MOMT     WN 0 1
     411 LOAD Y  403 511     0.00     117                                      GLOB CONC     WN 0 1
     412 LOAD X  403 511                                          0.00- 60830 GLOB MOMT     WN 0 1
     413 LOAD X  406 512     0.00      67                                      GLOB CONC     WN 0 1
     414 LOAD Y  406 512                                          0.00   35120 GLOB MOMT     WN 0 1
     415 LOAD Y  406 512     0.00     117                                      GLOB CONC     WN 0 1
     416 LOAD X  406 512                                          0.00- 60830 GLOB MOMT     WN 0 1
     417 LOAD X  401 510     0.00     163                                      GLOB CONC     WN 0 1
     418 LOAD Y  401 510                                          0.00   94760 GLOB MOMT     WN 0 1
     419 LOAD Y  401 510     0.00     282                                      GLOB CONC     WN 0 1
     420 LOAD X  401 510                                          0.00-164129 GLOB MOMT     WN 0 1
     421 LOAD X  403 511     0.00     163                                      GLOB CONC     WN 0 1
     422 LOAD Y  403 511                                          0.00   94760 GLOB MOMT     WN 0 1
     423 LOAD Y  403 511     0.00     282                                      GLOB CONC     WN 0 1
     424 LOAD X  403 511                                          0.00-164129 GLOB MOMT     WN 0 1
     425 LOAD X  406 512     0.00     163                                      GLOB CONC     WN 0 1
     426 LOAD Y  406 512                                          0.00   94760 GLOB MOMT     WN 0 1
     427 LOAD Y  406 512     0.00     282                                      GLOB CONC     WN 0 1
     428 LOAD X  406 512                                          0.00-164129 GLOB MOMT     WN 0 1
     429 LOAD X  201 303    17.23      50    5.14      59                      GLOB UNIF     WV 0 1
     430 LOAD Y  201 303    17.23     137    5.14     187                      GLOB UNIF     WV 0 1
     431 LOAD Z  201 303    17.23-     96    5.14-    114                      GLOB UNIF     WV 0 1
     432 LOAD X  201 303    22.37      59    5.14      61                      GLOB UNIF     WV 0 1
     433 LOAD Y  201 303    22.37     187    5.14     200                      GLOB UNIF     WV 0 1
     434 LOAD Z  201 303    22.37-    114    5.14-    116                      GLOB UNIF     WV 0 1
     435 LOAD X  201 303    27.51      61    5.14      62                      GLOB UNIF     WV 0 1
     436 LOAD Y  201 303    27.51     200    5.14     207                      GLOB UNIF     WV 0 1
     437 LOAD Z  201 303    27.51-    118    5.14-    119                      GLOB UNIF     WV 0 1-
     438 LOAD X  203 306    26.79      15    2.93      16                      GLOB UNIF     WV 0 1
     439 LOAD Y  203 306    26.79      26    2.93      31                      GLOB UNIF     WV 0 1
     440 LOAD Z  203 306    26.79      59    2.93      69                      GLOB UNIF     WV 0 1
     441 LOAD X  203 306    29.72      16    2.93      17                      GLOB UNIF     WV 0 1
     442 LOAD Y  203 306    29.72      31    2.93      29                      GLOB UNIF     WV 0 1
```

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                                  1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. LOAD....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
   443 LOAD Z  203 306   29.72    69   2.93    65                GLOB UNIF    WV 0 1
   444 LOAD X  206 301   22.22    85   3.48   135                GLOB UNIF    WV 0 1
   445 LOAD Y  206 301   22.22    89   3.48   129                GLOB UNIF    WV 0 1
   446 LOAD Z  206 301   22.22-   66   3.48-   86                GLOB UNIF    WV 0 1
   447 LOAD X  206 301   25.69   135   3.48   169                GLOB UNIF    WV 0 1
   448 LOAD Y  206 301   25.69   124   3.48   156                GLOB UNIF    WV 0 1
   449 LOAD Z  206 301   25.69-   86   3.48-  102                GLOB UNIF    WV 0 1
   450 LOAD X  206 301   29.17   169   3.48   176                GLOB UNIF    WV 0 1
   451 LOAD Y  206 301   29.17   156   3.48   167                GLOB UNIF    WV 0 1
   452 LOAD Z  206 301   29.17-  102   3.48-  106                GLOB UNIF    WV 0 1
   453 LOAD X  301 403    0.00    44  20.33    56                GLOB UNIF    WV 0 1
   454 LOAD Y  301 403    0.00   124  20.33   154                GLOB UNIF    WV 0 1
   455 LOAD Z  301 403    0.00-   45  20.33-   57                GLOB UNIF    WV 0 1
   456 LOAD X  301 403   20.33    56  20.33    38                GLOB UNIF    WV 0 1
   457 LOAD Y  301 403   20.33   154  20.33    95                GLOB UNIF    WV 0 1
   458 LOAD Z  301 403   20.33-   57  20.33-   39                GLOB UNIF    WV 0 1
   459 LOAD Y  301 303    0.00   108  29.00   105                GLOB UNIF    WV 0 1
   460 LOAD Z  301 303    0.00-   13  29.00-   25                GLOB UNIF    WV 0 1
   461 LOAD Z  303 306    0.00-   25   9.67-   11                GLOB UNIF    WV 0 1
   462 LOAD Z  303 306    9.67-   17   9.67-   09                GLOB UNIF    WV 0 1
   463 LOAD Z  303 306   19.33-   09   7.38                     GLOB UNIF    WV 0 1
   464 LOAD Z  303 306   26.71         2.69    05                GLOB UNIF    WV 0 1
   465 LOAD X  301 306    0.00    95   9.67    90                GLOB UNIF    WV 0 1
   466 LOAD Y  301 306    0.00    54   9.67    52                GLOB UNIF    WV 0 1
   467 LOAD Z  301 306    0.00-   13   9.67-   09                GLOB UNIF    WV 0 1
   468 LOAD X  301 306    9.67    90   9.67    86                GLOB UNIF    WV 0 1
   469 LOAD Y  301 306    9.67    52   9.67    50                GLOB UNIF    WV 0 1
   470 LOAD Z  301 306    9.67-   09   9.67-   05                GLOB UNIF    WV 0 1
   471 LOAD X  301 306   19.33    86   9.67    59                GLOB UNIF    WV 0 1
   472 LOAD Y  301 306   19.33    50   9.67    34                GLOB UNIF    WV 0 1
   473 LOAD Z  301 306   19.33-   05   6.09                     GLOB UNIF    WV 0 1
   474 LOAD Z  301 306   25.42         3.57    03                GLOB UNIF    WV 0 1
   475 LOAD Y  501 502    0.00    60  15.15    60                GLOB UNIF    WV 0 1
   476 LOAD Z  501 502    0.00-   08  15.15-   09                GLOB UNIF    WV 0 1
   477 LOAD Y  502 503    0.00    60  15.15    58                GLOB UNIF    WV 0 1
   478 LOAD Z  502 503    0.00-   09  15.15-   09                GLOB UNIF    WV 0 1
   479 LOAD Z  503 505    0.00-   09  15.15-   08                GLOB UNIF    WV 0 1
   480 LOAD Z  505 506    0.00-   08  15.15-   04                GLOB UNIF    WV 0 1
   481 LOAD X  501 504    0.00    52  15.15    52                GLOB UNIF    WV 0 1
   482 LOAD Y  501 504    0.00    30  15.15    30                GLOB UNIF    WV 0 1
   483 LOAD Z  501 504    0.00-   08  15.15-   06                GLOB UNIF    WV 0 1
   484 LOAD X  504 506    0.00    52  15.15    51                GLOB UNIF    WV 0 1
   485 LOAD Y  504 506    0.00    30  15.15    29                GLOB UNIF    WV 0 1
   486 LOAD Z  504 506    0.00-   06  15.15-   04                GLOB UNIF    WV 0 1
   487 LOAD Z  502 504    0.00-   06   7.57-   05                GLOB UNIF    WV 0 1
   488 LOAD Z  502 504    7.57-   05   7.57-   04                GLOB UNIF    WV 0 1
   489 LOAD X  502 505    0.00    42  15.15    41                GLOB UNIF    WV 0 1
   490 LOAD Y  502 505    0.00    24  15.15    24                GLOB UNIF    WV 0 1
   491 LOAD Z  502 505    0.00-   06  15.15-   05                GLOB UNIF    WV 0 1
   492 LOAD Y  504 505    0.00    48  15.14    48                GLOB UNIF    WV 0 1
```

LINE NO.																					
493	LOAD	Z	504	505	0.00-	04	15.14-	05							GLOB	UNIF	WV	0	1		
494	LOAD	X	501	513	0.00	26	3.00	26							GLOB	UNIF	WV	0	1		
495	LOAD	Y	501	513	0.00	45	3.00	45							GLOB	UNIF	WV	0	1		
496	LOAD	Z	501	513	0.00-	04	3.00-	04							GLOB	UNIF	WV	0	1		
497	LOAD	X	503	514	0.00-	13	3.00-	13							GLOB	UNIF	WV	0	1		
498	LOAD	Y	503	514	0.00	22	3.00	22							GLOB	UNIF	WV	0	1		
499	LOAD	Z	503	514	0.00-	05	3.00-	06							GLOB	UNIF	WV	0	1		
500	LOAD	X	513	651	0.00	92	6.00	81							GLOB	UNIF	WV	0	1		
501	LOAD	Y	513	651	0.00	159	6.00	141							GLOB	UNIF	WV	0	1		
502	LOAD	X	513	651	6.00	81	6.00	73							GLOB	UNIF	WV	0	1		
503	LOAD	Y	513	651	6.00	141	6.00	126							GLOB	UNIF	WV	0	1		
504	LOAD	X	513	651	12.00	73	6.00	65							GLOB	UNIF	WV	0	1		
505	LOAD	Y	513	651	12.00	126	6.00	113							GLOB	UNIF	WV	0	1		
506	LOAD	X	514	653	0.00	79	6.00	70							GLOB	UNIF	WV	0	1		
507	LOAD	Y	514	653	0.00	136	6.00	121							GLOB	UNIF	WV	0	1		
508	LOAD	X	514	653	6.00	70	6.00	63							GLOB	UNIF	WV	0	1		
509	LOAD	Y	514	653	6.00	121	6.00	108							GLOB	UNIF	WV	0	1		
510	LOAD	X	514	653	12.00	63	6.00	56							GLOB	UNIF	WV	0	1		
511	LOAD	Y	514	653	12.00	108	6.00	97							GLOB	UNIF	WV	0	1		
512	LOAD	X	601	611	0.00	27	6.00	27							GLOB	UNIF	WV	0	1		
513	LOAD	Z	601	611	0.00-	05	6.00-	06							GLOB	UNIF	WV	0	1		
514	LOAD	X	603	613	0.00	28	6.00	25							GLOB	UNIF	WV	0	1		
515	LOAD	Z	603	613	0.00-	07	6.00-	07							GLOB	UNIF	WV	0	1		
516	LOAD	Y	611	612	0.00	40	16.01	39							GLOB	UNIF	WV	0	1		
517	LOAD	Z	611	612	0.00-	04	16.01-	05							GLOB	UNIF	WV	0	1		
518	LOAD	Y	612	613	0.00	39	16.01	37							GLOB	UNIF	WV	0	1		
519	LOAD	Z	612	613	0.00-	05	16.01-	05							GLOB	UNIF	WV	0	1		
520	LOAD	Y	661	662	0.00	71	17.75	71							GLOB	UNIF	WV	0	1		
521	LOAD	Z	661	662	0.00-	04	17.75-	05							GLOB	UNIF	WV	0	1		
522	LOAD	Y	662	663	0.00	71	17.75	68							GLOB	UNIF	WV	0	1		
523	LOAD	Z	662	663	0.00-	05	17.75-	06							GLOB	UNIF	WV	0	1		
524	LOAD	X	611	661	0.00	53	6.06	48							GLOB	UNIF	WV	0	1		
525	LOAD	Y	611	661	0.00	101	6.06	91							GLOB	UNIF	WV	0	1		
526	LOAD	Z	611	661	0.00	08	6.06	07							GLOB	UNIF	WV	0	1		
527	LOAD	X	611	661	6.06	48	6.06	43							GLOB	UNIF	WV	0	1		
528	LOAD	Y	611	661	6.06	91	6.06	82							GLOB	UNIF	WV	0	1		
529	LOAD	Z	611	661	6.06	07	6.06	06							GLOB	UNIF	WV	0	1		
530	LOAD	X	612	662	0.00	38	6.00	34							GLOB	UNIF	WV	0	1		
531	LOAD	Y	612	662	0.00	65	6.00	58							GLOB	UNIF	WV	0	1		
532	LOAD	X	612	662	6.00	34	6.00	30							GLOB	UNIF	WV	0	1		
533	LOAD	Y	612	662	6.00	58	6.00	52							GLOB	UNIF	WV	0	1		
534	LOAD	X	613	663	0.00	54	6.06	49							GLOB	UNIF	WV	0	1		
535	LOAD	Y	613	663	0.00	89	6.06	79							GLOB	UNIF	WV	0	1		
536	LOAD	Z	613	663	0.00-	08	6.06-	07							GLOB	UNIF	WV	0	1		
537	LOAD	X	613	663	6.06	49	6.06	44							GLOB	UNIF	WV	0	1		
538	LOAD	Y	613	663	6.06	79	6.06	71							GLOB	UNIF	WV	0	1		
539	LOAD	Z	613	663	6.06-	07	6.06-	06							GLOB	UNIF	WV	0	1		
540	LOAD	X	501	642	0.00	16	10.12	17							GLOB	UNIF	WV	0	1		
541	LOAD	Y	501	642	0.00	75	10.12	66							GLOB	UNIF	WV	0	1		
542	LOAD	Z	501	642	0.00-	31	10.12-	28							GLOB	UNIF	WV	0	1		

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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543	LOAD	X	501	642	10.12		17	10.12		16				GLOB	UNIF		WV	0	1
544	LOAD	Y	501	642	10.12		66	10.12		58				GLOB	UNIF		WV	0	1
545	LOAD	Z	501	642	10.12-		28	10.12-		26				GLOB	UNIF		WV	0	1
546	LOAD	X	503	645	0.00		14	6.75		14				GLOB	UNIF		WV	0	1
547	LOAD	Y	503	645	0.00		18	6.75		17				GLOB	UNIF		WV	0	1
548	LOAD	Z	503	645	0.00		30	6.75		29				GLOB	UNIF		WV	0	1
549	LOAD	X	503	645	6.75		14	6.75		13				GLOB	UNIF		WV	0	1
550	LOAD	Y	503	645	6.75		17	6.75		16				GLOB	UNIF		WV	0	1
551	LOAD	Z	503	645	6.75		29	6.75		28				GLOB	UNIF		WV	0	1
552	LOAD	X	503	645	13.50		13	6.75		13				GLOB	UNIF		WV	0	1
553	LOAD	Y	503	645	13.50		16	6.75		15				GLOB	UNIF		WV	0	1
554	LOAD	Z	503	645	13.50		28	6.75		26				GLOB	UNIF		WV	0	1
555	LOAD	X	506	644	0.00		55	10.12		49				GLOB	UNIF		WV	0	1
556	LOAD	Y	506	644	0.00		57	10.12		52				GLOB	UNIF		WV	0	1
557	LOAD	Z	506	644	0.00-		25	10.12-		23				GLOB	UNIF		WV	0	1
558	LOAD	X	506	644	10.12		49	10.12		44				GLOB	UNIF		WV	0	1
559	LOAD	Y	506	644	10.12		52	10.12		48				GLOB	UNIF		WV	0	1
560	LOAD	Z	506	644	10.12-		23	10.12-		21				GLOB	UNIF		WV	0	1
561	LOAD	X	642	703	0.00		21	7.31		19				GLOB	UNIF		WV	0	1
562	LOAD	Y	642	703	0.00		86	7.31		80				GLOB	UNIF		WV	0	1
563	LOAD	Z	642	703	0.00-		35	7.31-		33				GLOB	UNIF		WV	0	1
564	LOAD	X	642	703	7.31		19	7.31		18				GLOB	UNIF		WV	0	1
565	LOAD	Y	642	703	7.31		80	7.31		73				GLOB	UNIF		WV	0	1
566	LOAD	Z	642	703	7.31-		33	7.31-		30				GLOB	UNIF		WV	0	1
567	LOAD	X	642	703	14.62		18	7.31		16				GLOB	UNIF		WV	0	1
568	LOAD	Y	642	703	14.62		73	7.31		67				GLOB	UNIF		WV	0	1
569	LOAD	Z	642	703	14.62-		30	7.31-		27				GLOB	UNIF		WV	0	1
570	LOAD	X	645	706	0.00		20	7.31		18				GLOB	UNIF		WV	0	1
571	LOAD	Y	645	706	0.00		25	7.31		24				GLOB	UNIF		WV	0	1
572	LOAD	Z	645	706	0.00		43	7.31		40				GLOB	UNIF		WV	0	1
573	LOAD	X	645	706	7.31		18	7.31		17				GLOB	UNIF		WV	0	1
574	LOAD	Y	645	706	7.31		24	7.31		22				GLOB	UNIF		WV	0	1
575	LOAD	Z	645	706	7.31		40	7.31		37				GLOB	UNIF		WV	0	1
576	LOAD	X	645	706	14.62		17	7.31		16				GLOB	UNIF		WV	0	1
577	LOAD	Y	645	706	14.62		22	7.31		20				GLOB	UNIF		WV	0	1
578	LOAD	Z	645	706	14.62		37	7.31		34				GLOB	UNIF		WV	0	1
579	LOAD	X	644	701	0.00		66	10.97		59				GLOB	UNIF		WV	0	1
580	LOAD	Y	644	701	0.00		69	10.97		62				GLOB	UNIF		WV	0	1
581	LOAD	Z	644	701	0.00-		28	10.97-		26				GLOB	UNIF		WV	0	1
582	LOAD	X	644	701	10.97		59	10.97		52				GLOB	UNIF		WV	0	1
583	LOAD	Y	644	701	10.97		62	10.97		55				GLOB	UNIF		WV	0	1
584	LOAD	Z	644	701	10.97-		26	10.97-		23				GLOB	UNIF		WV	0	1
585	LOAD	Y	701	702	0.00		47	18.76		46				GLOB	UNIF		WV	0	1
586	LOAD	Z	701	702	0.00-		02	18.76-		03				GLOB	UNIF		WV	0	1
587	LOAD	Y	702	703	0.00		48	18.76		46				GLOB	UNIF		WV	0	1
588	LOAD	Z	702	703	0.00-		03	18.76-		03				GLOB	UNIF		WV	0	1
589	LOAD	Z	703	705	0.00-		03	18.76-		02				GLOB	UNIF		WV	0	1
590	LOAD	Z	705	706	0.00-		02	6.25-		02				GLOB	UNIF		WV	0	1
591	LOAD	Z	705	705	6.25-		02	6.25-		1				GLOB	UNIF		WV	0	1
592	LOAD	Z	705	706	12.50-		1	6.25						GLOB	UNIF		WV	0	1

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                    1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0

  593  LOAD X  701 704    0.00      41  18.76      40          GLOB UNIF    WV 0 1
  594  LOAD Y  701 704    0.00      24  18.76      23          GLOB UNIF    WV 0 1
  595  LOAD Z  701 704    0.00-     02  18.76-     02          GLOB UNIF    WV 0 1
  596  LOAD X  704 706    0.00      40  18.75      38          GLOB UNIF    WV 0 1
  597  LOAD Y  704 706    0.00      23  18.75      22          GLOB UNIF    WV 0 1
  598  LOAD Z  704 706    0.00-     02  18.75                  GLOB UNIF    WV 0 1
  599  LOAD Z  702 704    0.00-     08  18.76-     06          GLOB UNIF    WV 0 1
  600  LOAD X  702 705    0.00      36  18.76      36          GLOB UNIF    WV 0 1
  601  LOAD Y  702 705    0.00      21  18.76      21          GLOB UNIF    WV 0 1
  602  LOAD Z  702 705    0.00-     08  18.76-     07          GLOB UNIF    WV 0 1
  603  LOAD Y  704 705    0.00      42  18.76      42          GLOB UNIF    WV 0 1
  604  LOAD Z  704 705    0.00-     06  18.76-     07          GLOB UNIF    WV 0 1
  605  LOAD X  701 806    0.00      58  16.27      51          GLOB UNIF    WV 0 1
  606  LOAD Y  701 806    0.00      39  16.27      35          GLOB UNIF    WV 0 1
  607  LOAD Z  701 806    0.00      14  16.27      13          GLOB UNIF    WV 0 1
  608  LOAD X  701 806   16.27      51  16.27      44          GLOB UNIF    WV 0 1
  609  LOAD Y  701 806   16.27      35  16.27      30          GLOB UNIF    WV 0 1
  610  LOAD Z  701 806   16.27      13  16.27      11          GLOB UNIF    WV 0 1
  611  LOAD X  701 806   32.55      44  16.27      36          GLOB UNIF    WV 0 1
  612  LOAD Y  701 806   32.55      30  16.27      27          GLOB UNIF    WV 0 1
  613  LOAD Z  701 806   32.55      11  16.27      11          GLOB UNIF    WV 0 1
  614  LOAD X  703 801    0.00      09  16.28      08          GLOB UNIF    WV 0 1
  615  LOAD Y  703 801    0.00      70  16.28      63          GLOB UNIF    WV 0 1
  616  LOAD Z  703 801    0.00      08  16.28      08          GLOB UNIF    WV 0 1
  617  LOAD X  703 801   16.28      08  16.28      08          GLOB UNIF    WV 0 1
  618  LOAD Y  703 801   16.28      63  16.28      56          GLOB UNIF    WV 0 1
  619  LOAD Z  703 801   16.28      08  16.28      08          GLOB UNIF    WV 0 1
  620  LOAD X  703 801   32.55      08  16.28      07          GLOB UNIF    WV 0 1
  621  LOAD Y  703 801   32.55      56  16.28      50          GLOB UNIF    WV 0 1
  622  LOAD Z  703 801   32.55      08  16.28      07          GLOB UNIF    WV 0 1
  623  LOAD X  706 803    0.00      10  16.28      10          GLOB UNIF    WV 0 1
  624  LOAD Y  706 803    0.00      23  16.28      22          GLOB UNIF    WV 0 1
  625  LOAD Z  706 803    0.00-     40  16.28-     36          GLOB UNIF    WV 0 1
  626  LOAD X  706 803   16.28      10  16.28      09          GLOB UNIF    WV 0 1
  627  LOAD Y  706 803   16.28      22  16.28      20          GLOB UNIF    WV 0 1
  628  LOAD Z  706 803   16.28-     38  16.28-     34          GLOB UNIF    WV 0 1
  629  LOAD X  706 803   32.55      09  16.28      07          GLOB UNIF    WV 0 1
  630  LOAD Y  706 803   32.55      20  16.28      16          GLOB UNIF    WV 0 1
  631  LOAD Z  706 803   32.55-     34  16.28-     28          GLOB UNIF    WV 0 1
  632  LOAD Y  801 802    0.00      32  22.51      32          GLOB UNIF    WV 0 1
  633  LOAD Z  801 802    0.00-     02  22.51-     02          GLOB UNIF    WV 0 1
  634  LOAD Y  802 803    0.00      32  22.51      31          GLOB UNIF    WV 0 1
  635  LOAD Z  802 803    0.00-     02  22.51-     02          GLOB UNIF    WV 0 1
  636  LOAD Z  803 805    0.00-     02  22.51-     02          GLOB UNIF    WV 0 1
  637  LOAD Z  805 806    0.00-     02  11.25-      1          GLOB UNIF    WV 0 1-
  638  LOAD Z  805 806   11.25-      1  11.25-      1          GLOB UNIF    WV 0 1
  639  LOAD X  801 804    0.00      26  22.51      26          GLOB UNIF    WV 0 1
  640  LOAD Y  801 804    0.00      16  22.51      16          GLOB UNIF    WV 0 1
  641  LOAD Z  801 804    0.00-     02  22.51-      1          GLOB UNIF    WV 0 1
  642  LOAD X  804 806    0.00      26  22.51      26          GLOB UNIF    WV 0 1
```

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
  643 LOAD Y  804 906    0.00    16  22.51    15          GLOB UNIF    WV 0 1
  644 LOAD Z  804 906    0.00-    1  22.51-    1          GLOB UNIF    WV 0 1
  645 LOAD Z  802 804    0.00-   05  22.52-   04          GLOB UNIF    WV 0 1
  646 LOAD X  802 805    0.00    24  22.52    25          GLOB UNIF    WV 0 1
  647 LOAD Y  802 805    0.00    14  22.52    14          GLOB UNIF    WV 0 1
  648 LOAD Z  802 805    0.00-   05  22.52-   05          GLOB UNIF    WV 0 1
  649 LOAD Y  804 805    0.00    24  22.52    24          GLOB UNIF    WV 0 1
  650 LOAD Z  804 805    0.00-   04  22.52-   05          GLOB UNIF    WV 0 1
  651 LOAD X  801 903    0.00    07  18.64    07          GLOB UNIF    WV 0 1
  652 LOAD Y  801 903    0.00    46  18.64    43          GLOB UNIF    WV 0 1
  653 LOAD Z  801 903    0.00-   17  18.64-   15          GLOB UNIF    WV 0 1
  654 LOAD X  801 903   18.64    07  18.64    06          GLOB UNIF    WV 0 1
  655 LOAD Y  801 903   18.64    43  18.64    37          GLOB UNIF    WV 0 1
  656 LOAD Z  801 903   18.64-   15  18.64-   13          GLOB UNIF    WV 0 1
  657 LOAD X  801 903   37.28    06  18.64    05          GLOB UNIF    WV 0 1
  658 LOAD Y  801 903   37.28    37  18.64    32          GLOB UNIF    WV 0 1
  659 LOAD Z  801 903   37.28-   13  18.64-   11          GLOB UNIF    WV 0 1
  660 LOAD X  803 906    0.00    06  18.64    06          GLOB UNIF    WV 0 1
  661 LOAD Y  803 906    0.00    07  18.64    07          GLOB UNIF    WV 0 1
  662 LOAD Z  803 906    0.00    17  18.64    17          GLOB UNIF    WV 0 1
  663 LOAD X  803 906   18.64    06  18.64    06          GLOB UNIF    WV 0 1
  664 LOAD Y  803 906   18.64    07  18.64    07          GLOB UNIF    WV 0 1
  665 LOAD Z  803 906   18.64    17  18.64    17          GLOB UNIF    WV 0 1
  666 LOAD X  803 906   37.28    06  18.64    06          GLOB UNIF    WV 0 1
  667 LOAD Y  803 906   37.28    07  18.64    07          GLOB UNIF    WV 0 1
  668 LOAD Z  803 906   37.28    17  18.64    16          GLOB UNIF    WV 0 1
  669 LOAD X  806 901    0.00    37  18.64    34          GLOB UNIF    WV 0 1
  670 LOAD Y  806 901    0.00    32  18.64    30          GLOB UNIF    WV 0 1
  671 LOAD Z  806 901    0.00-   14  18.64-   13          GLOB UNIF    WV 0 1
  672 LOAD X  806 901   18.64    34  18.64    31          GLOB UNIF    WV 0 1
  673 LOAD Y  806 901   18.64    30  18.64    28          GLOB UNIF    WV 0 1
  674 LOAD Z  806 901   18.64-   13  18.64-   12          GLOB UNIF    WV 0 1
  675 LOAD X  806 901   37.28    31  18.64    28          GLOB UNIF    WV 0 1
  676 LOAD Y  806 901   37.28    28  18.64    25          GLOB UNIF    WV 0 1
  677 LOAD Z  806 901   37.28-   12  18.64-   10          GLOB UNIF    WV 0 1
  678 LOAD Y  901 902    0.00    26  26.41    26          GLOB UNIF    WV 0 1
  679 LOAD Z  901 902    0.00-    1  26.41-    1          GLOB UNIF    WV 0 1
  680 LOAD Y  902 903    0.00    26  26.41    25          GLOB UNIF    WV 0 1
  681 LOAD Z  902 903    0.00-    1  26.41-    1          GLOB UNIF    WV 0 1
  682 LOAD Z  903 905    0.00-    1  26.41-    1          GLOB UNIF    WV 0 1
  683 LOAD Z  905 906    0.00-    1  26.41-    1          GLOB UNIF    WV 0 1
  684 LOAD X  901 904    0.00    23  26.41    22          GLOB UNIF    WV 0 1
  685 LOAD Y  901 904    0.00    13  26.41    13          GLOB UNIF    WV 0 1
  686 LOAD Z  901 904    0.00-    1  26.41-    1          GLOB UNIF    WV 0 1
  687 LOAD X  904 906    0.00    22  26.41    21          GLOB UNIF    WV 0 1
  688 LOAD Y  904 906    0.00    13  26.41    12          GLOB UNIF    WV 0 1
  689 LOAD Z  904 906    0.00-    1  26.41-    1          GLOB UNIF    WV 0 1
  690 LOAD Z  902 904    0.00-   02  26.41-   02          GLOB UNIF    WV 0 1
  691 LOAD X  902 905    0.00    18  26.41    18          GLOB UNIF    WV 0 1
  692 LOAD Y  902 905    0.00    10  26.41    11          GLOB UNIF    WV 0 1
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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     693 LOAD Z  902 905     0.00-  02  26.41-  02                GLOB UNIF  WV 0 1
     694 LOAD Y  904 905     0.00   22  26.40   21                GLOB UNIF  WV 0 1
     695 LOAD Z  904 905     0.00-  02  26.40-  02                GLOB UNIF  WV 0 1
     696 LOAD X  9011002     0.00   08  12.61   07                GLOB UNIF  WV 0 1
     697 LOAD Y  9011002     0.00   29  12.61   27                GLOB UNIF  WV 0 1
     698 LOAD Z  9011002     0.00-  10  12.61-  10                GLOB UNIF  WV 0 1
     699 LOAD X  9011002    12.61   07  12.61   06                GLOB UNIF  WV 0 1
     700 LOAD Y  9011002    12.61   27  12.61   23                GLOB UNIF  WV 0 1
     701 LOAD Z  9011002    12.61-  10  12.61-  08                GLOB UNIF  WV 0 1
     702 LOAD X  9011002    25.22   06  12.61                     GLOB UNIF  WV 0 1
     703 LOAD Y  9011002    25.22   25  12.61   02                GLOB UNIF  WV 0 1
     704 LOAD Z  9011002    25.22-  08  12.61                     GLOB UNIF  WV 0 1
     705 LOAD X  9031002     0.00   08  12.61   08                GLOB UNIF  WV 0 1
     706 LOAD Y  9031002     0.00   28  12.61   26                GLOB UNIF  WV 0 1
     707 LOAD Z  9031002     0.00   06  12.61   06                GLOB UNIF  WV 0 1
     708 LOAD X  9031002    12.61   08  12.61   07                GLOB UNIF  WV 0 1
     709 LOAD Y  9031002    12.61   26  12.61   23                GLOB UNIF  WV 0 1
     710 LOAD Z  9031002    12.61   06  12.61   05                GLOB UNIF  WV 0 1
     711 LOAD X  9031002    25.22   07  12.61                     GLOB UNIF  WV 0 1
     712 LOAD Y  9031002    25.22   23  12.61   02                GLOB UNIF  WV 0 1
     713 LOAD Z  9031002    25.22   05  12.61                     GLOB UNIF  WV 0 1
     714 LOAD X  9031005     0.00   09  12.61   09                GLOB UNIF  WV 0 1
     715 LOAD Y  9031005     0.00   13  12.61   12                GLOB UNIF  WV 0 1
     716 LOAD Z  9031005     0.00   15  12.61   15                GLOB UNIF  WV 0 1
     717 LOAD X  9031005    12.61   09  12.61   08                GLOB UNIF  WV 0 1
     718 LOAD Y  9031005    12.61   12  12.61   11                GLOB UNIF  WV 0 1
     719 LOAD Z  9031005    12.61   15  12.61   13                GLOB UNIF  WV 0 1
     720 LOAD X  9031005    25.23   08  12.61    1                GLOB UNIF  WV 0 1
     721 LOAD Y  9031005    25.23   11  12.61    1                GLOB UNIF  WV 0 1
     722 LOAD Z  9031005    25.23   13  12.61    1                GLOB UNIF  WV 0 1
     723 LOAD X  9061005     0.00   07  12.61   07                GLOB UNIF  WV 0 1
     724 LOAD Y  9061005     0.00   15  12.61   15                GLOB UNIF  WV 0 1
     725 LOAD Z  9061005     0.00-  17  12.61-  16                GLOB UNIF  WV 0 1
     726 LOAD X  9061005    12.61   07  12.61   06                GLOB UNIF  WV 0 1
     727 LOAD Y  9061005    12.61   15  12.61   13                GLOB UNIF  WV 0 1
     728 LOAD Z  9061005    12.61-  16  12.61-  14                GLOB UNIF  WV 0 1
     729 LOAD X  9061005    25.22   06  12.61    1                GLOB UNIF  WV 0 1
     730 LOAD Y  9061005    25.22   13  12.61    1                GLOB UNIF  WV 0 1
     731 LOAD Z  9061005    25.22-  14  12.61-   1                GLOB UNIF  WV 0 1
     732 LOAD X  9011004     0.00   21  12.61   20                GLOB UNIF  WV 0 1
     733 LOAD Y  9011004     0.00   20  12.61   19                GLOB UNIF  WV 0 1
     734 LOAD Z  9011004     0.00   09  12.61   08                GLOB UNIF  WV 0 1
     735 LOAD X  9011004    12.61   20  12.61   17                GLOB UNIF  WV 0 1
     736 LOAD Y  9011004    12.61   19  12.61   16                GLOB UNIF  WV 0 1
     737 LOAD Z  9011004    12.61   08  12.61   07                GLOB UNIF  WV 0 1
     738 LOAD X  9011004    25.23   17  12.61   02                GLOB UNIF  WV 0 1
     739 LOAD Y  9011004    25.23   16  12.61   02                GLOB UNIF  WV 0 1
     740 LOAD Z  9011004    25.23   07  12.61    1                GLOB UNIF  WV 0 1
     741 LOAD X  9061004     0.00   20  12.61   18                GLOB UNIF  WV 0 1
     742 LOAD Y  9061004     0.00   23  12.61   21                GLOB UNIF  WV 0 1
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                                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
   743 LOAD Z  9001004    0.00-   07   12.61-   07                        GLOB UNIF    WV 0 1
   744 LOAD X  9001004   12.61    16   12.61    16                        GLOB UNIF    WV 0 1
   745 LOAD Y  9001004   12.61    21   12.61    19                        GLOB UNIF    WV 0 1
   746 LOAD Z  9001004   12.61-   07   12.61-   06                        GLOB UNIF    WV 0 1
   747 LOAD X  9001004   25.22    16   12.61    02                        GLOB UNIF    WV 0 1
   748 LOAD Y  9001004   25.22    19   12.61    02                        GLOB UNIF    WV 0 1
   749 LOAD Z  9001004   25.22-   06   12.61-   1                         GLOB UNIF    WV 0 1
   750 LOAD Y 10011002    0.00    03   15.15    03                        GLOB UNIF    WV 0 1
   751 LOAD Y 10011002   15.15    03   15.15    02                        GLOB UNIF    WV 0 1
   752 LOAD Y 10021003    0.00    02   10.10    1                         GLOB UNIF    WV 0 1
   753 LOAD Y 10021003   10.10     1   10.10    1                         GLOB UNIF    WV 0 1
   754 LOAD Y 10021003   20.21     1   10.10                              GLOB UNIF    WV 0 1
   755 LOAD X 10011004    0.00    03   10.10    03                        GLOB UNIF    WV 0 1
   756 LOAD Y 10011004    0.00    02   10.10    02                        GLOB UNIF    WV 0 1
   757 LOAD X 10011004   10.10    03   10.10    04                        GLOB UNIF    WV 0 1
   758 LOAD Y 10011004   10.10    02   10.10    02                        GLOB UNIF    WV 0 1
   759 LOAD X 10011004   20.21    04   10.10    04                        GLOB UNIF    WV 0 1
   760 LOAD Y 10011004   20.21    02   10.10    02                        GLOB UNIF    WV 0 1
   761 LOAD X 10041006    0.00    04   10.10    04                        GLOB UNIF    WV 0 1
   762 LOAD Y 10041006    0.00    02   10.10    02                        GLOB UNIF    WV 0 1
   763 LOAD X 10041006   10.10    04   10.10    05                        GLOB UNIF    WV 0 1
   764 LOAD Y 10041006   10.10    02   10.10    03                        GLOB UNIF    WV 0 1
   765 LOAD X 10041006   20.20    05   10.10    05                        GLOB UNIF    WV 0 1
   766 LOAD Y 10041006   20.20    03   10.10    03                        GLOB UNIF    WV 0 1
   767 LOAD X 10021005    0.00     1   30.31    02                        GLOB UNIF    WV 0 1
   768 LOAD Y 10021005    0.00     1   30.31    1                         GLOB UNIF    WV 0 1
   769 LOAD Y 10041005    0.00    02   15.15    02                        GLOB UNIF    WV 0 1
   770 LOAD Y 10041005   15.15    02   15.15    02                        GLOB UNIF    WV 0 1
   771 LOAD X  201 301    8.70    33    2.10    59                        GLOB UNIF    WV 0 1
   772 LOAD Y  201 301    8.70    58    2.10   102                        GLOB UNIF    WV 0 1
   773 LOAD X  201 301   10.80    59    2.10    84                        GLOB UNIF    WV 0 1
   774 LOAD Y  201 301   10.80   102    2.10   146                        GLOB UNIF    WV 0 1
   775 LOAD X  201 301   12.90    84    2.10    92                        GLOB UNIF    WV 0 1
   776 LOAD Y  201 301   12.90   146    2.10   159                        GLOB UNIF    WV 0 1
   777 LOAD X  203 303    7.21    29    2.60    51                        GLOB UNIF    WV 0 1
   778 LOAD Y  203 303    7.21    51    2.60    89                        GLOB UNIF    WV 0 1
   779 LOAD X  203 303    9.81    51    2.60    75                        GLOB UNIF    WV 0 1
   780 LOAD Y  203 303    9.81    89    2.60   127                        GLOB UNIF    WV 0 1
   781 LOAD X  203 303   12.40    75    2.60    85                        GLOB UNIF    WV 0 1
   782 LOAD Y  203 303   12.40   127    2.60   148                        GLOB UNIF    WV 0 1
   783 LOAD X  206 306   14.47           .53    62                        GLOB UNIF    WV 0 1
   784 LOAD Y  206 306   14.47           .53   108                        GLOB UNIF    WV 0 1
   785 LOAD X  301 401    0.00    92   14.25   112                        GLOB UNIF    WV 0 1
   786 LOAD Y  301 401    0.00   159   14.25   194                        GLOB UNIF    WV 0 1
   787 LOAD X  301 401   14.25   112   14.25    74                        GLOB UNIF    WV 0 1
   788 LOAD Y  301 401   14.25   194   14.25   127                        GLOB UNIF    WV 0 1
   789 LOAD X  303 403    0.00    85    9.50   111                        GLOB UNIF    WV 0 1
   790 LOAD Y  303 403    0.00   148    9.50   192                        GLOB UNIF    WV 0 1
   791 LOAD X  303 403    9.50   111    9.50    96                        GLOB UNIF    WV 0 1
   792 LOAD Y  303 403    9.50   192    9.50   170                        GLOB UNIF    WV 0 1
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                                  1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO.  1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  793  LOAD X  303 403   19.00     98   9.50     68                GLOB UNIF     WV 0 1
  794  LOAD Y  303 403   19.00    170   9.50    118                GLOB UNIF     WV 0 1
  795  LOAD X  306 406    0.00     62  14.25    108                GLOB UNIF     WV 0 1
  796  LOAD Y  306 406    0.00    108  14.25    187                GLOB UNIF     WV 0 1
  797  LOAD X  306 406   14.25    106  14.25     75                GLOB UNIF     WV 0 1
  798  LOAD Y  306 406   14.25    187  14.25    129                GLOB UNIF     WV 0 1
  799  LOAD X  401 501    0.00    110   4.56    101                GLOB UNIF     WV 0 1
  800  LOAD Y  401 501    0.00    216   4.56    198                GLOB UNIF     WV 0 1
  801  LOAD Z  401 501    0.00-    02   4.56-    02                GLOB UNIF     WV 0 1
  802  LOAD X  403 503    0.00    113   4.56    103                GLOB UNIF     WV 0 1
  803  LOAD Y  403 503    0.00    188   4.56    171                GLOB UNIF     WV 0 1
  804  LOAD Z  403 503    0.00-    32   4.56-    29                GLOB UNIF     WV 0 1
  805  LOAD X  406 506    0.00    128   4.56    118                GLOB UNIF     WV 0 1
  806  LOAD Y  406 506    0.00    207   4.56    189                GLOB UNIF     WV 0 1
  807  LOAD Z  406 506    0.00     34   4.56     32                GLOB UNIF     WV 0 1
  808  LOAD X  501 601    0.00    101   3.04     94                GLOB UNIF     WV 0 1
  809  LOAD Y  501 601    0.00    196   3.04    186                GLOB UNIF     WV 0 1
  810  LOAD Z  501 601    0.00-    02   3.04-    02                GLOB UNIF     WV 0 1
  811  LOAD X  501 601    3.04     94   3.04     88                GLOB UNIF     WV 0 1
  812  LOAD Y  501 601    3.04    186   3.04    175                GLOB UNIF     WV 0 1
  813  LOAD Z  501 601    3.04-    02   3.04-    02                GLOB UNIF     WV 0 1
  814  LOAD X  503 603    0.00    103   3.04     97                GLOB UNIF     WV 0 1
  815  LOAD Y  503 603    0.00    170   3.04    159                GLOB UNIF     WV 0 1
  816  LOAD Z  503 603    0.00-    29   3.04-    27                GLOB UNIF     WV 0 1
  817  LOAD X  503 603    3.04     97   3.04     91                GLOB UNIF     WV 0 1
  818  LOAD Y  503 603    3.04    159   3.04    149                GLOB UNIF     WV 0 1
  819  LOAD Z  503 603    3.04-    27   3.04-    25                GLOB UNIF     WV 0 1
  820  LOAD X  506 606    0.00    118   3.04    111                GLOB UNIF     WV 0 1
  821  LOAD Y  506 606    0.00    190   3.04    178                GLOB UNIF     WV 0 1
  822  LOAD Z  506 606    0.00     31   3.04     29                GLOB UNIF     WV 0 1
  823  LOAD X  506 606    3.04    111   3.04    104                GLOB UNIF     WV 0 1
  824  LOAD Y  506 606    3.04    178   3.04    167                GLOB UNIF     WV 0 1
  825  LOAD Z  506 606    3.04     29   3.04     28                GLOB UNIF     WV 0 1
  826  LOAD X  601 641    0.00     88   3.04     83                GLOB UNIF     WV 0 1
  827  LOAD Y  601 641    0.00    175   3.04    166                GLOB UNIF     WV 0 1
  828  LOAD Z  601 641    0.00-    02   3.04-    02                GLOB UNIF     WV 0 1
  829  LOAD X  601 641    3.04     83   3.04     79                GLOB UNIF     WV 0 1
  830  LOAD Y  601 641    3.04    166   3.04    157                GLOB UNIF     WV 0 1
  831  LOAD Z  601 641    3.04-    02   3.04-    02                GLOB UNIF     WV 0 1
  832  LOAD X  603 643    0.00     91   3.04     86                GLOB UNIF     WV 0 1
  833  LOAD Y  603 643    0.00    149   3.04    141                GLOB UNIF     WV 0 1
  834  LOAD Z  603 643    0.00-    26   3.04-    24                GLOB UNIF     WV 0 1
  835  LOAD X  603 643    3.04     86   3.04     81                GLOB UNIF     WV 0 1
  836  LOAD Y  603 643    3.04    141   3.04    132                GLOB UNIF     WV 0 1
  837  LOAD Z  603 643    3.04-    24   3.04-    23                GLOB UNIF     WV 0 1
  838  LOAD X  606 646    0.00    104   3.04     99                GLOB UNIF     WV 0 1
  839  LOAD Y  606 646    0.00    167   3.04    159                GLOB UNIF     WV 0 1
  840  LOAD Z  606 646    0.00     28   3.04     27                GLOB UNIF     WV 0 1
  841  LOAD X  606 646    3.04     99   3.04     94                GLOB UNIF     WV 0 1
  842  LOAD Y  606 646    3.04    159   3.04    150                GLOB UNIF     WV 0 1
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LINE NO.																			
843	LOAD	Z	606	646	3.04	27	3.04	25					GLOB	UNIF		WV	0	1	
844	LOAD	X	641	651	0.00	113	3.04	106					GLOB	UNIF		WV	0	1	
845	LOAD	Y	641	651	0.00	238	3.04	225					GLOB	UNIF		WV	0	1	
846	LOAD	Z	641	651	0.00-	03	3.04-	03					GLOB	UNIF		WV	0	1	
847	LOAD	X	641	651	3.04	106	3.04	101					GLOB	UNIF		WV	0	1	
848	LOAD	Y	641	651	3.04	225	3.04	214					GLOB	UNIF		WV	0	1	
849	LOAD	Z	641	651	3.04-	03	3.04-	03					GLOB	UNIF		WV	0	1	
850	LOAD	X	643	653	0.00	116	8.08	105					GLOB	UNIF		WV	0	1	
851	LOAD	Y	643	653	0.00	187	8.08	165					GLOB	UNIF		WV	0	1	
852	LOAD	Z	643	653	0.00-	33	8.08-	29					GLOB	UNIF		WV	0	1	
853	LOAD	X	646	656	0.00	148	8.08	134					GLOB	UNIF		WV	0	1	
854	LOAD	Y	646	656	0.00	233	8.08	210					GLOB	UNIF		WV	0	1	
855	LOAD	Z	646	656	0.00	39	8.08	35					GLOB	UNIF		WV	0	1	
856	LOAD	X	651	701	0.00	101	3.55	95					GLOB	UNIF		WV	0	1	
857	LOAD	Y	651	701	0.00	214	3.55	202					GLOB	UNIF		WV	0	1	
858	LOAD	Z	651	701	0.00-	03	3.55-	03					GLOB	UNIF		WV	0	1	
859	LOAD	X	651	701	3.55	95	3.55	89					GLOB	UNIF		WV	0	1	
860	LOAD	Y	651	701	3.55	202	3.55	189					GLOB	UNIF		WV	0	1	
861	LOAD	Z	651	701	3.55-	03	3.55-	03					GLOB	UNIF		WV	0	1	
862	LOAD	X	653	703	0.00	105	3.55	98					GLOB	UNIF		WV	0	1	
863	LOAD	Y	653	703	0.00	165	3.55	154					GLOB	UNIF		WV	0	1	
864	LOAD	Z	653	703	0.00-	29	3.55-	27					GLOB	UNIF		WV	0	1	
865	LOAD	X	653	703	3.55	98	3.55	92					GLOB	UNIF		WV	0	1	
866	LOAD	Y	653	703	3.55	154	3.55	144					GLOB	UNIF		WV	0	1	
867	LOAD	Z	653	703	3.55-	27	3.55-	25					GLOB	UNIF		WV	0	1	
868	LOAD	X	656	706	0.00	134	3.55	127					GLOB	UNIF		WV	0	1	
869	LOAD	Y	656	706	0.00	210	3.55	199					GLOB	UNIF		WV	0	1	
870	LOAD	Z	656	706	0.00	35	3.55	33					GLOB	UNIF		WV	0	1	
871	LOAD	X	656	706	3.55	127	3.55	120					GLOB	UNIF		WV	0	1	
872	LOAD	Y	656	706	3.55	199	3.55	187					GLOB	UNIF		WV	0	1	
873	LOAD	Z	656	706	3.55	33	3.55	31					GLOB	UNIF		WV	0	1	
874	LOAD	X	701	801	0.00	85	8.79	74					GLOB	UNIF		WV	0	1	
875	LOAD	Y	701	801	0.00	179	8.79	156					GLOB	UNIF		WV	0	1	
876	LOAD	Z	701	801	0.00-	03	8.79-	02					GLOB	UNIF		WV	0	1	
877	LOAD	X	701	801	8.79	74	8.79	66					GLOB	UNIF		WV	0	1	
878	LOAD	Y	701	801	8.79	156	8.79	138					GLOB	UNIF		WV	0	1	
879	LOAD	Z	701	801	8.79-	02	8.79-	02					GLOB	UNIF		WV	0	1	
880	LOAD	X	701	801	17.57	66	8.79	59					GLOB	UNIF		WV	0	1	
881	LOAD	Y	701	801	17.57	138	8.79	122					GLOB	UNIF		WV	0	1	
882	LOAD	Z	701	801	17.57-	02	8.79-	02					GLOB	UNIF		WV	0	1	
883	LOAD	X	703	803	0.00	86	8.79	75					GLOB	UNIF		WV	0	1	
884	LOAD	Y	703	803	0.00	139	8.79	118					GLOB	UNIF		WV	0	1	
885	LOAD	Z	703	803	0.00-	24	8.79-	21					GLOB	UNIF		WV	0	1	
886	LOAD	X	703	803	8.79	75	8.79	64					GLOB	UNIF		WV	0	1	
887	LOAD	Y	703	803	8.79	118	8.79	102					GLOB	UNIF		WV	0	1	
888	LOAD	Z	703	803	8.79-	21	8.79-	18					GLOB	UNIF		WV	0	1	
889	LOAD	X	703	803	17.57	64	8.79	55					GLOB	UNIF		WV	0	1	
890	LOAD	Y	703	803	17.57	102	8.79	88					GLOB	UNIF		WV	0	1	
891	LOAD	Z	703	803	17.57-	18	8.79-	15					GLOB	UNIF		WV	0	1	
892	LOAD	X	706	806	0.00	112	8.79	99					GLOB	UNIF		WV	0	1	

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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893	LOAD	Y	706	806	0.00	176	8.79	155									GLOB	UNIF		WV	0	1			
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895	LOAD	X	706	806	8.79	99	8.79	88									GLOB	UNIF		WV	0	1			
896	LOAD	Y	706	806	8.79	155	8.79	139									GLOB	UNIF		WV	0	1			
897	LOAD	Z	706	806	8.79	26	8.79	23									GLOB	UNIF		WV	0	1			
898	LOAD	X	706	806	17.57	88	8.79	79									GLOB	UNIF		WV	0	1			
899	LOAD	Y	706	806	17.57	139	8.79	125									GLOB	UNIF		WV	0	1			
900	LOAD	Z	706	806	17.57	23	8.79	21									GLOB	UNIF		WV	0	1			
901	LOAD	X	801	901	0.00	59	9.12	53									GLOB	UNIF		WV	0	1			
902	LOAD	Y	801	901	0.00	122	9.12	109									GLOB	UNIF		WV	0	1			
903	LOAD	Z	801	901	0.00-	02	9.12-	1									GLOB	UNIF		WV	0	1			
904	LOAD	X	801	901	9.12	55	9.12	49									GLOB	UNIF		WV	0	1			
905	LOAD	Y	801	901	9.12	109	9.12	98									GLOB	UNIF		WV	0	1			
906	LOAD	Z	801	901	9.12-	1	9.12-	1									GLOB	UNIF		WV	0	1			
907	LOAD	X	801	901	18.25	49	9.12	46									GLOB	UNIF		WV	0	1			
908	LOAD	Y	801	901	18.25	98	9.12	90									GLOB	UNIF		WV	0	1			
909	LOAD	Z	801	901	18.25-	1	9.12-	1									GLOB	UNIF		WV	0	1			
910	LOAD	X	803	903	0.00	55	9.12	48									GLOB	UNIF		WV	0	1			
911	LOAD	Y	803	903	0.00	88	9.12	76									GLOB	UNIF		WV	0	1			
912	LOAD	Z	803	903	0.00-	15	9.12-	13									GLOB	UNIF		WV	0	1			
913	LOAD	X	803	903	9.12	46	9.12	41									GLOB	UNIF		WV	0	1			
914	LOAD	Y	803	903	9.12	76	9.12	67									GLOB	UNIF		WV	0	1			
915	LOAD	Z	803	903	9.12-	13	9.12-	12									GLOB	UNIF		WV	0	1			
916	LOAD	X	803	903	18.25	41	9.12	36									GLOB	UNIF		WV	0	1			
917	LOAD	Y	803	903	18.25	67	9.12	59									GLOB	UNIF		WV	0	1			
918	LOAD	Z	803	903	18.25-	12	9.12-	10									GLOB	UNIF		WV	0	1			
919	LOAD	X	806	906	0.00	79	9.12	72									GLOB	UNIF		WV	0	1			
920	LOAD	Y	806	906	0.00	125	9.12	114									GLOB	UNIF		WV	0	1			
921	LOAD	Z	806	906	0.00	21	9.12	19									GLOB	UNIF		WV	0	1			
922	LOAD	X	806	906	9.12	72	9.12	66									GLOB	UNIF		WV	0	1			
923	LOAD	Y	806	906	9.12	114	9.12	106									GLOB	UNIF		WV	0	1			
924	LOAD	Z	806	906	9.12	19	9.12	18									GLOB	UNIF		WV	0	1			
925	LOAD	X	806	906	18.25	66	9.12	61									GLOB	UNIF		WV	0	1			
926	LOAD	Y	806	906	18.25	106	9.12	99									GLOB	UNIF		WV	0	1			
927	LOAD	Z	806	906	18.25	18	9.12	17									GLOB	UNIF		WV	0	1			
928	LOAD	X	9011001		0.00	48	9.12	44									GLOB	UNIF		WV	0	1			
929	LOAD	Y	9011001		0.00	90	9.12	83									GLOB	UNIF		WV	0	1			
930	LOAD	Z	9011001		0.00-	1	9.12										GLOB	UNIF		WV	0	1			
931	LOAD	X	9011001		9.12	44	9.12	39									GLOB	UNIF		WV	0	1			
932	LOAD	Y	9011001		9.12	83	9.12	71									GLOB	UNIF		WV	0	1			
933	LOAD	X	9011001		18.25	39	9.12	09									GLOB	UNIF		WV	0	1			
934	LOAD	Y	9011001		18.25	71	9.12	15									GLOB	UNIF		WV	0	1			
935	LOAD	X	9031003		0.00	36	9.12	31									GLOB	UNIF		WV	0	1			
936	LOAD	Y	9031003		0.00	59	9.12	52									GLOB	UNIF		WV	0	1			
937	LOAD	Z	9031003		0.00-	10	9.12-	09									GLOB	UNIF		WV	0	1-			
938	LOAD	X	9031003		9.12	31	9.12	24									GLOB	UNIF		WV	0	1			
939	LOAD	Y	9031003		9.12	52	9.12	41									GLOB	UNIF		WV	0	1			
940	LOAD	Z	9031003		9.12-	09	9.12-	07									GLOB	UNIF		WV	0	1			
941	LOAD	X	9031003		18.25	24	8.79										GLOB	UNIF		WV	0	1			
942	LOAD	X	9031003		24.99		2.58-	08									GLOB	UNIF		WV	0	1			

```
                                  1     1     2     2     3     3     4     4     5     5     6     6     7     7     8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     943 LOAD Y  9031003    10.25    41     6.07                                 GLOB UNIF    WV 0 1
     944 LOAD Y  9031003    24.92           2.45=   15                           GLOB UNIF    WV 0 1
     945 LOAD Z  9031003    10.25=   07     6.07                                 GLOB UNIF    WV 0 1
     946 LOAD Z  9031003    24.92           2.45    02                           GLOB UNIF    WV 0 1
     947 LOAD X  9061006     0.00    61     9.12    58                           GLOB UNIF    WV 0 1
     948 LOAD Y  9061006     0.00    99     9.12    95                           GLOB UNIF    WV 0 1
     949 LOAD Z  9061006     0.00    17     9.12    10                           GLOB UNIF    WV 0 1
     950 LOAD X  9061006     9.12    58     9.12    52                           GLOB UNIF    WV 0 1
     951 LOAD Y  9061006     9.12    95     9.12    87                           GLOB UNIF    WV 0 1
     952 LOAD Z  9061006     9.12    16     9.12    14                           GLOB UNIF    WV 0 1
     953 LOAD X  9061006    10.25    52     9.12    24                           GLOB UNIF    WV 0 1
     954 LOAD Y  9061006    10.25    87     9.12    41                           GLOB UNIF    WV 0 1
     955 LOAD Z  9061006    10.25    14     9.12    07                           GLOB UNIF    WV 0 1
     956 LOADCM  2
     957 LOAD Y  401 510     0.00   135                                          GLOB CONC    WN 0 2
     958 LOAD X  401 510                                    0.00= 70240          GLOB MOMT    WN 0 2
     959 LOAD Y  403 511     0.00   135                                          GLOB CONC    WN 0 2
     960 LOAD X  403 511                                    0.00= 70240          GLOB MOMT    WN 0 2
     961 LOAD Y  402 512     0.00   135                                          GLOB CONC    WN 0 2
     962 LOAD X  402 512                                    0.00= 70240          GLOB MOMT    WN 0 2
     963 LOAD Y  401 510     0.00   326                                          GLOB CONC    WN 0 2
     964 LOAD X  401 510                                    0.00=189520          GLOB MOMT    WN 0 2
     965 LOAD Y  403 511     0.00   326                                          GLOB CONC    WN 0 2
     966 LOAD X  403 511                                    0.00=189520          GLOB MOMT    WN 0 2
     967 LOAD Y  402 512     0.00   326                                          GLOB CONC    WN 0 2
     968 LOAD X  402 512                                    0.00=189520          GLOB MOMT    WN 0 2
     969 LOAD X  201 303    14.02    34     6.21    34                           GLOB UNIF    WV 0 2
     970 LOAD Y  201 303    14.02   138     6.21   190                           GLOB UNIF    WV 0 2
     971 LOAD Z  201 303    14.02=   65     6.21=   66                           GLOB UNIF    WV 0 2
     972 LOAD X  201 303    20.23    34     6.21    35                           GLOB UNIF    WV 0 2
     973 LOAD Y  201 303    20.23   190     6.21   241                           GLOB UNIF    WV 0 2
     974 LOAD Z  201 303    20.23=   66     6.21=   67                           GLOB UNIF    WV 0 2
     975 LOAD X  201 303    20.44    35     6.21    35                           GLOB UNIF    WV 0 2
     976 LOAD Y  201 303    20.44   241     6.21   275                           GLOB UNIF    WV 0 2
     977 LOAD Z  201 303    20.44=   67     6.21=   67                           GLOB UNIF    WV 0 2
     978 LOAD X  206 301    20.49    32     4.05    56                           GLOB UNIF    WV 0 2
     979 LOAD Y  206 301    20.49    72     4.05   108                           GLOB UNIF    WV 0 2
     980 LOAD Z  206 301    20.49=   90     4.05=  126                           GLOB UNIF    WV 0 2
     981 LOAD X  206 301    24.54    56     4.05    72                           GLOB UNIF    WV 0 2
     982 LOAD Y  206 301    24.54   108     4.05   135                           GLOB UNIF    WV 0 2
     983 LOAD Z  206 301    24.54=  126     4.05=  153                           GLOB UNIF    WV 0 2
     984 LOAD X  206 301    24.59    72     4.05    76                           GLOB UNIF    WV 0 2
     985 LOAD Y  206 301    24.59   133     4.05   142                           GLOB UNIF    WV 0 2
     986 LOAD Z  206 301    24.59=  153     4.05=  164                           GLOB UNIF    WV 0 2
     987 LOAD X  301 403     0.00    15    13.55    15                           GLOB UNIF    WV 0 2
     988 LOAD Y  301 403     0.00   152    13.55   190                           GLOB UNIF    WV 0 2
     989 LOAD Z  301 403     0.00=   15    13.55=   15                           GLOB UNIF    WV 0 2
     990 LOAD X  301 403    13.55    15    13.55    12                           GLOB UNIF    WV 0 2
     991 LOAD Y  301 403    13.55   190    13.55   194                           GLOB UNIF    WV 0 2
     992 LOAD Z  301 403    13.55=   15    13.55=   12                           GLOB UNIF    WV 0 2
```

LINE NO.			1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
995	LOAD	X	301	403	27.11	12	13.55	11					GLOB	UNIF	WV	0	2
996	LOAD	Y	301	403	27.11	164	13.55	114					GLOB	UNIF	WV	0	2
997	LOAD	Z	301	403	27.11-	12	13.55-	11					GLOB	UNIF	WV	0	2
998	LOAD	Y	301	303	0.00	132	29.00	132					GLOB	UNIF	WV	0	2
999	LOAD	Z	301	303	0.00-	20	29.00-	20					GLOB	UNIF	WV	0	2
1000	LOAD	X	303	306	0.00-	57	9.67-	54					GLOB	UNIF	WV	0	2
1001	LOAD	Y	303	306	0.00	33	9.67	31					GLOB	UNIF	WV	0	2
1002	LOAD	Z	303	306	0.00-	20	9.67-	13					GLOB	UNIF	WV	0	2
1003	LOAD	X	303	306	9.67-	54	9.67-	50					GLOB	UNIF	WV	0	2
1004	LOAD	Y	303	306	9.67	31	9.67	29					GLOB	UNIF	WV	0	2
1005	LOAD	Z	303	306	9.67-	13	9.67-	06					GLOB	UNIF	WV	0	2
1006	LOAD	X	303	306	19.33-	50	9.67						GLOB	UNIF	WV	0	2
1007	LOAD	Y	303	306	19.33	29	9.67						GLOB	UNIF	WV	0	2
1008	LOAD	Z	303	306	19.33-	06	9.67						GLOB	UNIF	WV	0	2
1009	LOAD	X	301	306	0.00	57	9.67	54					GLOB	UNIF	WV	0	2
1010	LOAD	Y	301	306	0.00	33	9.67	31					GLOB	UNIF	WV	0	2
1011	LOAD	Z	301	306	0.00-	20	9.67-	13					GLOB	UNIF	WV	0	2
1012	LOAD	X	301	306	9.67	54	9.67	50					GLOB	UNIF	WV	0	2
1013	LOAD	Y	301	306	9.67	31	9.67	29					GLOB	UNIF	WV	0	2
1014	LOAD	Z	301	306	9.67-	13	9.67-	06					GLOB	UNIF	WV	0	2
1015	LOAD	X	301	306	19.33	50	9.67						GLOB	UNIF	WV	0	2
1016	LOAD	Y	301	306	19.33	29	9.67						GLOB	UNIF	WV	0	2
1017	LOAD	Z	301	306	19.33-	06	9.67						GLOB	UNIF	WV	0	2
1018	LOAD	Y	501	502	0.00	70	15.15	70					GLOB	UNIF	WV	0	2
1019	LOAD	Z	501	502	0.00-	09	15.15-	09					GLOB	UNIF	WV	0	2
1020	LOAD	Y	502	503	0.00	70	15.15	70					GLOB	UNIF	WV	0	2
1021	LOAD	Z	502	503	0.00-	09	15.15-	09					GLOB	UNIF	WV	0	2
1022	LOAD	X	503	505	0.00-	30	15.15-	30					GLOB	UNIF	WV	0	2
1023	LOAD	Y	503	505	0.00	17	15.15	17					GLOB	UNIF	WV	0	2
1024	LOAD	Z	503	505	0.00-	09	15.15-	07					GLOB	UNIF	WV	0	2
1025	LOAD	X	505	506	0.00-	30	15.15-	29					GLOB	UNIF	WV	0	2
1026	LOAD	Y	505	506	0.00	17	15.15	17					GLOB	UNIF	WV	0	2
1027	LOAD	Z	505	506	0.00-	07	15.15-	03					GLOB	UNIF	WV	0	2
1028	LOAD	X	501	504	0.00	30	15.15	30					GLOB	UNIF	WV	0	2
1029	LOAD	Y	501	504	0.00	17	15.15	17					GLOB	UNIF	WV	0	2
1030	LOAD	Z	501	504	0.00-	09	15.15-	07					GLOB	UNIF	WV	0	2
1031	LOAD	X	504	506	0.00	30	15.15	29					GLOB	UNIF	WV	0	2
1032	LOAD	Y	504	506	0.00	17	15.15	17					GLOB	UNIF	WV	0	2
1033	LOAD	Z	504	506	0.00-	07	15.15-	03					GLOB	UNIF	WV	0	2
1034	LOAD	X	502	504	0.00-	24	15.15-	24					GLOB	UNIF	WV	0	2
1035	LOAD	Y	502	504	0.00	14	15.15	14					GLOB	UNIF	WV	0	2
1036	LOAD	Z	502	504	0.00-	06	15.15-	04					GLOB	UNIF	WV	0	2
1037	LOAD	X	502	505	0.00	24	15.15	24					GLOB	UNIF	WV	0	2
1038	LOAD	Y	502	505	0.00	14	15.15	14					GLOB	UNIF	WV	0	2
1039	LOAD	Z	502	505	0.00-	06	15.15-	04					GLOB	UNIF	WV	0	2
1040	LOAD	X	504	505	0.00	55	15.14	55					GLOB	UNIF	WV	0	2
1041	LOAD	Y	504	505	0.00	33	15.14	33					GLOB	UNIF	WV	0	2
1042	LOAD	Z	504	505	0.00-	04	15.14-	04					GLOB	UNIF	WV	0	2
1043	LOAD	X	501	513	0.00	23	3.00	23					GLOB	UNIF	WV	0	2
1044	LOAD	Y	501	513	0.00	39	3.00	39					GLOB	UNIF	WV	0	2
1045	LOAD	Z	501	513	0.00-	05	3.00-	05					GLOB	UNIF	WV	0	2

LINE NO.																	
1043	LOAD	X	503	514	0.00-	23	3.00-	23					GLOB	UNIF	WV	0	2
1044	LOAD	Y	503	514	0.00	39	3.00	39					GLOB	UNIF	WV	0	2
1045	LOAD	Z	503	514	0.00-	05	3.00-	05					GLOB	UNIF	WV	0	2
1046	LOAD	Y	513	651	0.00	174	6.00	153					GLOB	UNIF	WV	0	2
1047	LOAD	Y	513	651	6.00	153	6.00	137					GLOB	UNIF	WV	0	2
1048	LOAD	Y	513	651	12.00	137	6.00	123					GLOB	UNIF	WV	0	2
1049	LOAD	Y	514	653	0.00	174	6.00	153					GLOB	UNIF	WV	0	2
1050	LOAD	Y	514	653	6.00	153	6.00	137					GLOB	UNIF	WV	0	2
1051	LOAD	Y	514	653	12.00	137	6.00	123					GLOB	UNIF	WV	0	2
1052	LOAD	Z	601	611	0.00-	06	6.00-	07					GLOB	UNIF	WV	0	2
1053	LOAD	Z	603	613	0.00-	06	6.00-	07					GLOB	UNIF	WV	0	2
1054	LOAD	Y	611	612	0.00	45	16.01	45					GLOB	UNIF	WV	0	2
1055	LOAD	Z	611	612	0.00-	05	16.01-	05					GLOB	UNIF	WV	0	2
1056	LOAD	Y	612	613	0.00	45	16.01	45					GLOB	UNIF	WV	0	2
1057	LOAD	Z	612	613	0.00-	05	16.01-	05					GLOB	UNIF	WV	0	2
1058	LOAD	Y	601	602	0.00	81	17.75	81					GLOB	UNIF	WV	0	2
1059	LOAD	Z	601	602	0.00-	05	17.75-	05					GLOB	UNIF	WV	0	2
1060	LOAD	Y	602	603	0.00	81	17.75	81					GLOB	UNIF	WV	0	2
1061	LOAD	Z	602	603	0.00-	05	17.75-	05					GLOB	UNIF	WV	0	2
1062	LOAD	X	611	601	0.00-	04	6.06-	04					GLOB	UNIF	WV	0	2
1063	LOAD	Y	611	601	0.00	109	6.06	98					GLOB	UNIF	WV	0	2
1064	LOAD	Z	611	601	0.00-	1	6.06-	1					GLOB	UNIF	WV	0	2
1065	LOAD	X	611	601	6.06-	04	6.06-	04					GLOB	UNIF	WV	0	2
1066	LOAD	Y	611	601	6.06	98	6.06	88					GLOB	UNIF	WV	0	2
1067	LOAD	Z	611	601	6.06-	1	6.06						GLOB	UNIF	WV	0	2
1068	LOAD	Y	612	602	0.00	74	6.00	66					GLOB	UNIF	WV	0	2
1069	LOAD	Y	612	602	6.00	66	6.00	59					GLOB	UNIF	WV	0	2
1070	LOAD	X	613	603	0.00	04	6.06	04					GLOB	UNIF	WV	0	2
1071	LOAD	Y	613	603	0.00	109	6.06	98					GLOB	UNIF	WV	0	2
1072	LOAD	Z	613	603	0.00-	1	6.06-	1					GLOB	UNIF	WV	0	2
1073	LOAD	X	613	603	6.06	04	6.06	04					GLOB	UNIF	WV	0	2
1074	LOAD	Y	613	603	6.06	98	6.06	88					GLOB	UNIF	WV	0	2
1075	LOAD	Z	613	603	6.06-	1	6.06						GLOB	UNIF	WV	0	2
1076	LOAD	X	501	642	0.00	03	10.12	03					GLOB	UNIF	WV	0	2
1077	LOAD	Y	501	642	0.00	87	10.12	77					GLOB	UNIF	WV	0	2
1078	LOAD	Z	501	642	0.00-	12	10.12-	11					GLOB	UNIF	WV	0	2
1079	LOAD	X	501	642	10.12	03	10.12	03					GLOB	UNIF	WV	0	2
1080	LOAD	Y	501	642	10.12	77	10.12	69					GLOB	UNIF	WV	0	2
1081	LOAD	Z	501	642	10.12-	11	10.12-	10					GLOB	UNIF	WV	0	2
1082	LOAD	X	503	645	0.00-	26	6.75-	23					GLOB	UNIF	WV	0	2
1083	LOAD	Y	503	645	0.00	36	6.75	33					GLOB	UNIF	WV	0	2
1084	LOAD	Z	503	645	0.00	28	6.75	26					GLOB	UNIF	WV	0	2
1085	LOAD	X	503	645	6.75-	25	6.75-	22					GLOB	UNIF	WV	0	2
1086	LOAD	Y	503	645	6.75	33	6.75	31					GLOB	UNIF	WV	0	2
1087	LOAD	Z	503	645	6.75	26	6.75	25					GLOB	UNIF	WV	0	2
1088	LOAD	X	503	645	13.50-	22	6.75-	20					GLOB	UNIF	WV	0	2
1089	LOAD	Y	503	645	13.50	31	6.75	29					GLOB	UNIF	WV	0	2
1090	LOAD	Z	503	645	13.50	25	6.75	23					GLOB	UNIF	WV	0	2
1091	LOAD	X	506	644	0.00	24	10.12	21					GLOB	UNIF	WV	0	2
1092	LOAD	Y	506	644	0.00	49	10.12	47					GLOB	UNIF	WV	0	2

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.	1	5	6	10	11	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	80
1143	LOAD	Y	704	705	0.00		49	18.76		49											GLOB	UNIF			WV	0	2					
1144	LOAD	Z	704	705	0.00-		07	18.76-		07											GLOB	UNIF			WV	0	2					
1145	LOAD	X	701	806	0.00		26	16.27		23											GLOB	UNIF			WV	0	2					
1146	LOAD	Y	701	805	0.00		31	16.27		28											GLOB	UNIF			WV	0	2					
1147	LOAD	Z	701	806	0.00		26	16.27		23											GLOB	UNIF			WV	0	2					
1148	LOAD	X	701	806	16.27		23	16.27		19											GLOB	UNIF			WV	0	2					
1149	LOAD	Y	701	805	16.27		28	16.27		25											GLOB	UNIF			WV	0	2					
1150	LOAD	Z	701	806	16.27		23	16.27		21											GLOB	UNIF			WV	0	2					
1151	LOAD	X	701	805	32.55		19	16.27		16											GLOB	UNIF			WV	0	2					
1152	LOAD	Y	701	806	32.55		25	16.27		22											GLOB	UNIF			WV	0	2					
1153	LOAD	Z	701	806	32.55		21	16.27		19											GLOB	UNIF			WV	0	2					
1154	LOAD	X	703	801	0.00-		02	16.28-		1											GLOB	UNIF			WV	0	2					
1155	LOAD	Y	703	801	0.00		82	16.28		71											GLOB	UNIF			WV	0	2					
1156	LOAD	Z	703	801	0.00-		09	16.28-		08											GLOB	UNIF			WV	0	2					
1157	LOAD	X	703	801	16.28-		1	16.28-		1											GLOB	UNIF			WV	0	2					
1158	LOAD	Y	703	801	16.28		71	16.28		63											GLOB	UNIF			WV	0	2					
1159	LOAD	Z	703	801	16.28-		08	16.28-		07											GLOB	UNIF			WV	0	2					
1160	LOAD	X	703	801	32.55-		1	16.28-		1											GLOB	UNIF			WV	0	2					
1161	LOAD	Y	703	801	32.55		63	16.28		55											GLOB	UNIF			WV	0	2					
1162	LOAD	Z	703	801	32.55-		07	16.28-		06											GLOB	UNIF			WV	0	2					
1163	LOAD	X	706	803	0.00-		25	16.28-		22											GLOB	UNIF			WV	0	2					
1164	LOAD	Y	706	803	0.00		41	16.28		39											GLOB	UNIF			WV	0	2					
1165	LOAD	Z	706	803	0.00-		35	16.28-		33											GLOB	UNIF			WV	0	2					
1166	LOAD	X	706	803	16.28-		22	16.28-		19											GLOB	UNIF			WV	0	2					
1167	LOAD	Y	706	803	16.28		39	16.28		34											GLOB	UNIF			WV	0	2					
1168	LOAD	Z	706	803	16.28-		33	16.28-		29											GLOB	UNIF			WV	0	2					
1169	LOAD	X	706	803	32.55-		19	16.28-		16											GLOB	UNIF			WV	0	2					
1170	LOAD	Y	706	803	32.55		34	16.28		30											GLOB	UNIF			WV	0	2					
1171	LOAD	Z	706	803	32.55-		29	16.28-		25											GLOB	UNIF			WV	0	2					
1172	LOAD	Y	801	802	0.00		37	22.51		37											GLOB	UNIF			WV	0	2					
1173	LOAD	Z	801	802	0.00-		02	22.51-		02											GLOB	UNIF			WV	0	2					
1174	LOAD	Y	802	803	0.00		37	22.51		37											GLOB	UNIF			WV	0	2					
1175	LOAD	Z	802	803	0.00-		02	22.51-		02											GLOB	UNIF			WV	0	2					
1176	LOAD	X	803	805	0.00-		16	22.51-		16											GLOB	UNIF			WV	0	2					
1177	LOAD	Y	803	805	0.00		09	22.51		09											GLOB	UNIF			WV	0	2					
1178	LOAD	Z	803	805	0.00-		02	22.51-		02											GLOB	UNIF			WV	0	2					
1179	LOAD	X	805	806	0.00-		16	11.25-		15											GLOB	UNIF			WV	0	2					
1180	LOAD	Y	805	806	0.00		09	11.25		09											GLOB	UNIF			WV	0	2					
1181	LOAD	Z	805	806	0.00-		02	11.25-		1											GLOB	UNIF			WV	0	2					
1182	LOAD	X	805	806	11.25-		15	11.25-		15											GLOB	UNIF			WV	0	2					
1183	LOAD	Y	805	806	11.25		09	11.25		08											GLOB	UNIF			WV	0	2					
1184	LOAD	Z	805	806	11.25-		1	11.25													GLOB	UNIF			WV	0	2					
1185	LOAD	X	801	804	0.00		16	22.51		16											GLOB	UNIF			WV	0	2					
1186	LOAD	Y	801	804	0.00		09	22.51		09											GLOB	UNIF			WV	0	2					
1187	LOAD	Z	801	804	0.00-		02	22.51-		02											GLOB	UNIF			WV	0	2					
1188	LOAD	X	804	805	0.00		16	11.25		15											GLOB	UNIF			WV	0	2					
1189	LOAD	Y	804	805	0.00		09	11.25		09											GLOB	UNIF			WV	0	2					
1190	LOAD	Z	804	806	0.00-		02	11.25-		1											GLOB	UNIF			WV	0	2					
1191	LOAD	X	804	806	11.25		15	11.25		15											GLOB	UNIF			WV	0	2					
1192	LOAD	Y	804	806	11.25		09	11.25		08											GLOB	UNIF			WV	0	2					

LINE NO.																					
1193	LOAD	Z	804	806	11.25-	1	11.25						GLOB	UNIF	WV	0	2				
1194	LOAD	X	802	804	0.00-	14	22.52-	14					GLOB	UNIF	WV	0	2				
1195	LOAD	Y	802	804	0.00	08	22.52	08					GLOB	UNIF	WV	0	2				
1196	LOAD	Z	802	804	0.00-	05	22.52-	04					GLOB	UNIF	WV	0	2				
1197	LOAD	X	802	805	0.00	14	22.52	14					GLOB	UNIF	WV	0	2				
1198	LOAD	Y	802	805	0.00	08	22.52	08					GLOB	UNIF	WV	0	2				
1199	LOAD	Z	802	805	0.00-	05	22.52-	04					GLOB	UNIF	WV	0	2				
1200	LOAD	Y	804	805	0.00	55	22.52	55					GLOB	UNIF	WV	0	2				
1201	LOAD	Z	804	805	0.00-	04	22.52-	04					GLOB	UNIF	WV	0	2				
1202	LOAD	X	801	903	0.00	1	18.64						GLOB	UNIF	WV	0	2				
1203	LOAD	Y	801	903	0.00	55	18.64	49					GLOB	UNIF	WV	0	2				
1204	LOAD	Z	801	903	0.00-	06	18.64-	05					GLOB	UNIF	WV	0	2				
1205	LOAD	Y	801	903	18.64	49	18.64	44					GLOB	UNIF	WV	0	2				
1206	LOAD	Z	801	903	18.64-	05	18.64-	04					GLOB	UNIF	WV	0	2				
1207	LOAD	Y	801	903	37.28	44	18.64	40					GLOB	UNIF	WV	0	2				
1208	LOAD	Z	801	903	37.28-	04	18.64-	05					GLOB	UNIF	WV	0	2				
1209	LOAD	X	803	906	0.00-	19	18.64-	17					GLOB	UNIF	WV	0	2				
1210	LOAD	Y	803	906	0.00	19	18.64	18					GLOB	UNIF	WV	0	2				
1211	LOAD	Z	803	906	0.00	16	18.64	15					GLOB	UNIF	WV	0	2				
1212	LOAD	X	803	906	18.64-	17	18.64-	15					GLOB	UNIF	WV	0	2				
1213	LOAD	Y	803	906	18.64	18	18.64	17					GLOB	UNIF	WV	0	2				
1214	LOAD	Z	803	906	18.64	15	18.64	14					GLOB	UNIF	WV	0	2				
1215	LOAD	X	803	906	37.28-	15	18.64-	13					GLOB	UNIF	WV	0	2				
1216	LOAD	Y	803	906	37.28	17	18.64	15					GLOB	UNIF	WV	0	2				
1217	LOAD	Z	803	906	37.28	14	18.64	14					GLOB	UNIF	WV	0	2				
1218	LOAD	X	806	901	0.00	18	18.64	17					GLOB	UNIF	WV	0	2				
1219	LOAD	Y	806	901	0.00	26	18.64	25					GLOB	UNIF	WV	0	2				
1220	LOAD	Z	806	901	0.00-	22	18.64-	21					GLOB	UNIF	WV	0	2				
1221	LOAD	X	806	901	18.64	17	18.64	15					GLOB	UNIF	WV	0	2				
1222	LOAD	Y	806	901	18.64	25	18.64	22					GLOB	UNIF	WV	0	2				
1223	LOAD	Z	806	901	18.64-	21	18.64-	19					GLOB	UNIF	WV	0	2				
1224	LOAD	X	806	901	37.28	15	18.64	13					GLOB	UNIF	WV	0	2				
1225	LOAD	Y	806	901	37.28	22	18.64	20					GLOB	UNIF	WV	0	2				
1226	LOAD	Z	806	901	37.28-	19	18.64-	17					GLOB	UNIF	WV	0	2				
1227	LOAD	Y	901	902	0.00	30	20.41	30					GLOB	UNIF	WV	0	2				
1228	LOAD	Z	901	902	0.00-	1	20.41-	1					GLOB	UNIF	WV	0	2				
1229	LOAD	Y	902	903	0.00	30	20.41	30					GLOB	UNIF	WV	0	2				
1230	LOAD	Z	902	903	0.00-	1	20.41-	1					GLOB	UNIF	WV	0	2				
1231	LOAD	X	903	905	0.00-	13	20.41-	13					GLOB	UNIF	WV	0	2				
1232	LOAD	Y	903	905	0.00	07	20.41	07					GLOB	UNIF	WV	0	2				
1233	LOAD	Z	903	905	0.00-	1	20.41-	1					GLOB	UNIF	WV	0	2				
1234	LOAD	X	905	906	0.00-	13	20.41-	12					GLOB	UNIF	WV	0	2				
1235	LOAD	Y	905	906	0.00	07	20.41	07					GLOB	UNIF	WV	0	2				
1236	LOAD	Z	905	906	0.00-	1	20.41-	1					GLOB	UNIF	WV	0	2				
1237	LOAD	X	901	904	0.00	13	20.41	13					GLOB	UNIF	WV	0	2				
1238	LOAD	Y	901	904	0.00	07	20.41	07					GLOB	UNIF	WV	0	2				
1239	LOAD	Z	901	904	0.00-	1	20.41-	1					GLOB	UNIF	WV	0	2				
1240	LOAD	X	904	906	0.00	13	20.41	12					GLOB	UNIF	WV	0	2				
1241	LOAD	Y	904	906	0.00	07	20.41	07					GLOB	UNIF	WV	0	2				
1242	LOAD	Z	904	906	0.00-	1	20.41-	1					GLOB	UNIF	WV	0	2				

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1243	LOAD	X	902	904	0.00-	10	26.41-	11					GLOB	UNIF		WV	0	2	
1244	LOAD	Y	902	904	0.00	06	26.41	06					GLOB	UNIF		WV	0	2	
1245	LOAD	Z	902	904	0.00-	02	26.41-	02					GLOB	UNIF		WV	0	2	
1246	LOAD	X	902	905	0.00	10	26.41	11					GLOB	UNIF		WV	0	2	
1247	LOAD	Y	902	905	0.00	06	26.41	06					GLOB	UNIF		WV	0	2	
1248	LOAD	Z	902	905	0.00-	02	26.41-	02					GLOB	UNIF		WV	0	2	
1249	LOAD	Y	904	905	0.00	25	26.40	25					GLOB	UNIF		WV	0	2	
1250	LOAD	Z	904	905	0.00-	02	26.40-	02					GLOB	UNIF		WV	0	2	
1251	LOAD	X	9011002		0.00		12.61-	1					GLOB	UNIF		WV	0	2	
1252	LOAD	Y	9011002		0.00	33	12.61	31					GLOB	UNIF		WV	0	2	
1253	LOAD	Z	9011002		0.00-	02	12.61-	02					GLOB	UNIF		WV	0	2	
1254	LOAD	X	9011002		12.61-	1	12.61-	1					GLOB	UNIF		WV	0	2	
1255	LOAD	Y	9011002		12.61	31	12.61	26					GLOB	UNIF		WV	0	2	
1256	LOAD	Z	9011002		12.61-	02	12.61-	1					GLOB	UNIF		WV	0	2	
1257	LOAD	X	9011002		25.22-	1	12.61						GLOB	UNIF		WV	0	2	
1258	LOAD	Y	9011002		25.22	26	12.61	02					GLOB	UNIF		WV	0	2	
1259	LOAD	Z	9011002		25.22-	1	12.61						GLOB	UNIF		WV	0	2	
1260	LOAD	X	9031002		0.00		12.61	1					GLOB	UNIF		WV	0	2	
1261	LOAD	Y	9031002		0.00	33	12.61	31					GLOB	UNIF		WV	0	2	
1262	LOAD	Z	9031002		0.00-	02	12.61-	02					GLOB	UNIF		WV	0	2	
1263	LOAD	X	9031002		12.61	1	12.61	1					GLOB	UNIF		WV	0	2	
1264	LOAD	Y	9031002		12.61	31	12.61	26					GLOB	UNIF		WV	0	2	
1265	LOAD	Z	9031002		12.61-	02	12.61-	1					GLOB	UNIF		WV	0	2	
1266	LOAD	X	9031002		25.22	1	12.61						GLOB	UNIF		WV	0	2	
1267	LOAD	Y	9031002		25.22	26	12.61	02					GLOB	UNIF		WV	0	2	
1268	LOAD	Z	9031002		25.22-	1	12.61						GLOB	UNIF		WV	0	2	
1269	LOAD	X	9031005		0.00-	07	12.61-	06					GLOB	UNIF		WV	0	2	
1270	LOAD	Y	9031005		0.00	19	12.61	16					GLOB	UNIF		WV	0	2	
1271	LOAD	Z	9031005		0.00	14	12.61	14					GLOB	UNIF		WV	0	2	
1272	LOAD	X	9031005		12.61-	06	12.61-	05					GLOB	UNIF		WV	0	2	
1273	LOAD	Y	9031005		12.61	16	12.61	16					GLOB	UNIF		WV	0	2	
1274	LOAD	Z	9031005		12.61	14	12.61	12					GLOB	UNIF		WV	0	2	
1275	LOAD	X	9031005		25.23-	05	12.61-	1					GLOB	UNIF		WV	0	2	
1276	LOAD	Y	9031005		25.23	16	12.61	02					GLOB	UNIF		WV	0	2	
1277	LOAD	Z	9031005		25.23	12	12.61	1					GLOB	UNIF		WV	0	2	
1278	LOAD	X	9061005		0.00-	07	12.61-	07					GLOB	UNIF		WV	0	2	
1279	LOAD	Y	9061005		0.00	22	12.61	21					GLOB	UNIF		WV	0	2	
1280	LOAD	Z	9061005		0.00-	13	12.61-	13					GLOB	UNIF		WV	0	2	
1281	LOAD	X	9061005		12.61-	07	12.61-	06					GLOB	UNIF		WV	0	2	
1282	LOAD	Y	9061005		12.61	21	12.61	16					GLOB	UNIF		WV	0	2	
1283	LOAD	Z	9061005		12.61-	13	12.61-	11					GLOB	UNIF		WV	0	2	
1284	LOAD	X	9061005		25.22-	06	12.61-	1					GLOB	UNIF		WV	0	2	
1285	LOAD	Y	9061005		25.22	16	12.61	02					GLOB	UNIF		WV	0	2	
1286	LOAD	Z	9061005		25.22-	11	12.61-	1					GLOB	UNIF		WV	0	2	
1287	LOAD	X	9011004		0.00	07	12.61	06					GLOB	UNIF		WV	0	2	
1288	LOAD	Y	9011004		0.00	19	12.61	16					GLOB	UNIF		WV	0	2	
1289	LOAD	Z	9011004		0.00	14	12.61	14					GLOB	UNIF		WV	0	2	
1290	LOAD	X	9011004		12.61	06	12.61	05					GLOB	UNIF		WV	0	2	
1291	LOAD	Y	9011004		12.61	16	12.61	16					GLOB	UNIF		WV	0	2	
1292	LOAD	Z	9011004		12.61	14	12.61	12					GLOB	UNIF		WV	0	2	

| LINE NO. | | |

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LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1343	LOAD	Y	203	303	12.15	167	2.85	190					GLOB	UNIF		WV	0	2	
1344	LOAD	Y	301	401	0.00	190	9.50	238					GLOB	UNIF		WV	0	2	
1345	LOAD	Y	301	401	9.50	238	9.50	206					GLOB	UNIF		WV	0	2	
1346	LOAD	Y	301	401	19.00	206	9.50	143					GLOB	UNIF		WV	0	2	
1347	LOAD	Y	303	403	0.00	190	9.50	238					GLOB	UNIF		WV	0	2	
1348	LOAD	Y	303	403	9.50	238	9.50	206					GLOB	UNIF		WV	0	2	
1349	LOAD	Y	303	403	19.00	206	9.50	143					GLOB	UNIF		WV	0	2	
1350	LOAD	Y	306	406	0.00		9.50	205					GLOB	UNIF		WV	0	2	
1351	LOAD	Y	306	406	9.50	205	9.50	210					GLOB	UNIF		WV	0	2	
1352	LOAD	Y	306	406	19.00	210	9.50	148					GLOB	UNIF		WV	0	2	
1353	LOAD	X	401	501	0.00-	09	4.56-	09					GLOB	UNIF		WV	0	2	
1354	LOAD	Y	401	501	0.00	234	4.56	214					GLOB	UNIF		WV	0	2	
1355	LOAD	Z	401	501	0.00-	21	4.56-	19					GLOB	UNIF		WV	0	2	
1356	LOAD	X	403	503	0.00	09	4.56	09					GLOB	UNIF		WV	0	2	
1357	LOAD	Y	403	503	0.00	234	4.56	214					GLOB	UNIF		WV	0	2	
1358	LOAD	Z	403	503	0.00-	21	4.56-	19					GLOB	UNIF		WV	0	2	
1359	LOAD	Y	406	506	0.00	240	4.56	220					GLOB	UNIF		WV	0	2	
1360	LOAD	Z	406	506	0.00	40	4.56	37					GLOB	UNIF		WV	0	2	
1361	LOAD	X	501	601	0.00-	09	3.04-	08					GLOB	UNIF		WV	0	2	
1362	LOAD	Y	501	601	0.00	214	3.04	200					GLOB	UNIF		WV	0	2	
1363	LOAD	Z	501	601	0.00-	19	3.04-	18					GLOB	UNIF		WV	0	2	
1364	LOAD	X	501	601	3.04-	08	3.04-	08					GLOB	UNIF		WV	0	2	
1365	LOAD	Y	501	601	3.04	200	3.04	188					GLOB	UNIF		WV	0	2	
1366	LOAD	Z	501	601	3.04-	18	3.04-	17					GLOB	UNIF		WV	0	2	
1367	LOAD	X	503	603	0.00	09	3.04	08					GLOB	UNIF		WV	0	2	
1368	LOAD	Y	503	603	0.00	214	3.04	200					GLOB	UNIF		WV	0	2	
1369	LOAD	Z	503	603	0.00-	19	3.04-	18					GLOB	UNIF		WV	0	2	
1370	LOAD	X	503	603	3.04	08	3.04	08					GLOB	UNIF		WV	0	2	
1371	LOAD	Y	503	603	3.04	200	3.04	188					GLOB	UNIF		WV	0	2	
1372	LOAD	Z	503	603	3.04-	18	3.04-	17					GLOB	UNIF		WV	0	2	
1373	LOAD	Y	506	606	0.00	220	3.04	207					GLOB	UNIF		WV	0	2	
1374	LOAD	Z	506	606	0.00	36	3.04	34					GLOB	UNIF		WV	0	2	
1375	LOAD	Y	506	606	3.04	207	3.04	195					GLOB	UNIF		WV	0	2	
1376	LOAD	Z	506	606	3.04	34	3.04	32					GLOB	UNIF		WV	0	2	
1377	LOAD	X	601	641	0.00-	08	3.04-	08					GLOB	UNIF		WV	0	2	
1378	LOAD	Y	601	641	0.00	188	3.04	178					GLOB	UNIF		WV	0	2	
1379	LOAD	Z	601	641	0.00-	17	3.04-	16					GLOB	UNIF		WV	0	2	
1380	LOAD	X	601	641	3.04-	08	3.04-	08					GLOB	UNIF		WV	0	2	
1381	LOAD	Y	601	641	3.04	178	3.04	168					GLOB	UNIF		WV	0	2	
1382	LOAD	Z	601	641	3.04-	16	3.04-	15					GLOB	UNIF		WV	0	2	
1383	LOAD	X	603	643	0.00	08	3.04	08					GLOB	UNIF		WV	0	2	
1384	LOAD	Y	603	643	0.00	188	3.04	178					GLOB	UNIF		WV	0	2	
1385	LOAD	Z	603	643	0.00-	17	3.04-	16					GLOB	UNIF		WV	0	2	
1386	LOAD	X	603	643	3.04	08	3.04	08					GLOB	UNIF		WV	0	2	
1387	LOAD	Y	603	643	3.04	178	3.04	168					GLOB	UNIF		WV	0	2-	
1388	LOAD	Z	603	643	3.04-	16	3.04-	15					GLOB	UNIF		WV	0	2	
1389	LOAD	Y	606	646	0.00	195	6.08	175					GLOB	UNIF		WV	0	2	
1390	LOAD	Z	606	646	0.00	33	6.08	29					GLOB	UNIF		WV	0	2	
1391	LOAD	X	641	651	0.00-	17	3.04-	17					GLOB	UNIF		WV	0	2	
1392	LOAD	Y	641	651	0.00	245	3.04	231					GLOB	UNIF		WV	0	2	

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                                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1393 LOAD Z  651 651     0.00-   23    3.04-   22                        GLOB UNIF     WV 0 2
    1394 LOAD X  651 651     3.04-   17    3.04-   16                        GLOB UNIF     WV 0 2
    1395 LOAD Y  651 651     3.04   231    3.04   219                        GLOB UNIF     WV 0 2
    1396 LOAD Z  651 651     3.04-   22    3.04-   20                        GLOB UNIF     WV 0 2
    1397 LOAD X  653 653     0.00    17    3.04    17                        GLOB UNIF     WV 0 2
    1398 LOAD Y  653 653     0.00   245    3.04   231                        GLOB UNIF     WV 0 2
    1399 LOAD Z  653 653     0.00-   23    3.04-   22                        GLOB UNIF     WV 0 2
    1400 LOAD X  653 653     3.04    17    3.04    16                        GLOB UNIF     WV 0 2
    1401 LOAD Y  653 653     3.04   231    3.04   219                        GLOB UNIF     WV 0 2
    1402 LOAD Z  653 653     3.04-   22    3.04-   20                        GLOB UNIF     WV 0 2
    1403 LOAD Y  653 653     0.00   275    6.08   249                        GLOB UNIF     WV 0 2
    1404 LOAD Z  653 653     0.00    46    6.08    41                        GLOB UNIF     WV 0 2
    1405 LOAD X  651 701     0.00-   16    3.55-   15                        GLOB UNIF     WV 0 2
    1406 LOAD Y  651 701     0.00   219    3.55   205                        GLOB UNIF     WV 0 2
    1407 LOAD Z  651 701     0.00-   20    3.55-   19                        GLOB UNIF     WV 0 2
    1408 LOAD X  651 701     3.55-   15    3.55-   14                        GLOB UNIF     WV 0 2
    1409 LOAD Y  651 701     3.55   205    3.55   191                        GLOB UNIF     WV 0 2
    1410 LOAD Z  651 701     3.55-   19    3.55-   18                        GLOB UNIF     WV 0 2
    1411 LOAD X  653 703     0.00    16    3.55    15                        GLOB UNIF     WV 0 2
    1412 LOAD Y  653 703     0.00   219    3.55   205                        GLOB UNIF     WV 0 2
    1413 LOAD Z  653 703     0.00-   20    3.55-   19                        GLOB UNIF     WV 0 2
    1414 LOAD X  653 703     3.55    15    3.55    14                        GLOB UNIF     WV 0 2
    1415 LOAD Y  653 703     3.55   205    3.55   191                        GLOB UNIF     WV 0 2
    1416 LOAD Z  653 703     3.55-   19    3.55-   18                        GLOB UNIF     WV 0 2
    1417 LOAD Y  653 706     0.00   249    3.55   230                        GLOB UNIF     WV 0 2
    1418 LOAD Z  653 706     0.00    42    3.55    39                        GLOB UNIF     WV 0 2
    1419 LOAD Y  653 706     3.55   230    3.55   222                        GLOB UNIF     WV 0 2
    1420 LOAD Z  653 706     3.55    39    3.55    37                        GLOB UNIF     WV 0 2
    1421 LOAD X  701 801     0.00-   13    8.79-   11                        GLOB UNIF     WV 0 2
    1422 LOAD Y  701 801     0.00   183    8.79   158                        GLOB UNIF     WV 0 2
    1423 LOAD Z  701 801     0.00-   17    8.79-   15                        GLOB UNIF     WV 0 2
    1424 LOAD X  701 801     8.79-   11    8.79-   09                        GLOB UNIF     WV 0 2
    1425 LOAD Y  701 801     8.79   158    8.79   137                        GLOB UNIF     WV 0 2
    1426 LOAD Z  701 801     8.79-   15    8.79-   13                        GLOB UNIF     WV 0 2
    1427 LOAD X  701 803    17.57-   09    8.79-   08                        GLOB UNIF     WV 0 2
    1428 LOAD Y  701 803    17.57   137    8.79   120                        GLOB UNIF     WV 0 2
    1429 LOAD Z  701 803    17.57-   13    8.79-   11                        GLOB UNIF     WV 0 2
    1430 LOAD X  703 803     0.00    13    8.79    11                        GLOB UNIF     WV 0 2
    1431 LOAD Y  703 803     0.00   183    8.79   158                        GLOB UNIF     WV 0 2
    1432 LOAD Z  703 803     0.00-   17    8.79-   15                        GLOB UNIF     WV 0 2
    1433 LOAD X  703 803     8.79    11    8.79    09                        GLOB UNIF     WV 0 2
    1434 LOAD Y  703 803     8.79   158    8.79   137                        GLOB UNIF     WV 0 2
    1435 LOAD Z  703 803     8.79-   15    8.79-   13                        GLOB UNIF     WV 0 2
    1436 LOAD X  703 803    17.57    09    8.79    08                        GLOB UNIF     WV 0 2
    1437 LOAD Y  703 803    17.57   137    8.79   120                        GLOB UNIF     WV 0 2
    1438 LOAD Z  703 803    17.57-   15    8.79-   11                        GLOB UNIF     WV 0 2
    1439 LOAD Y  706 806     0.00   298    8.79   184                        GLOB UNIF     WV 0 2
    1440 LOAD Z  706 806     0.00    35    8.79    31                        GLOB UNIF     WV 0 2
    1441 LOAD Y  706 806     8.79   184    8.79   163                        GLOB UNIF     WV 0 2
    1442 LOAD Z  706 806     8.79    31    8.79    27                        GLOB UNIF     WV 0 2
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                                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1493 LOAD Y  9061006   18.25     101    9.12     47                        GLOB UNIF     WV 0 2
    1494 LOAD Z  9061006   18.25      17    9.12     08                        GLOB UNIF     WV 0 2
    1495 LOADCN  3
    1496 LOAD X  401 510     0.00-     67                                       GLOB CONC     WN 0 3
    1497 LOAD Y  401 510                                        0.00- 35120   GLOB MOMT     WN 0 3
    1498 LOAD Y  401 510     0.00-    117                                       GLOB CONC     WN 0 3
    1499 LOAD X  401 510                                        0.00  60830   GLOB MOMT     WN 0 3
    1500 LOAD X  403 511     0.00-     67                                       GLOB CONC     WN 0 3
    1501 LOAD Y  403 511                                        0.00- 35120   GLOB MOMT     WN 0 3
    1502 LOAD Y  403 511     0.00-    117                                       GLOB CONC     WN 0 3
    1503 LOAD X  403 511                                        0.00  60830   GLOB MOMT     WN 0 3
    1504 LOAD X  406 512     0.00-     67                                       GLOB CONC     WN 0 3
    1505 LOAD Y  406 512                                        0.00- 35120   GLOB MOMT     WN 0 3
    1506 LOAD Y  406 512     0.00-    117                                       GLOB CONC     WN 0 3
    1507 LOAD X  406 512                                        0.00  60830   GLOB MOMT     WN 0 3
    1508 LOAD X  401 510     0.00-    163                                       GLOB CONC     WN 0 3
    1509 LOAD Y  401 510                                        0.00- 94760   GLOB MOMT     WN 0 3
    1510 LOAD Y  401 510     0.00-    282                                       GLOB CONC     WN 0 3
    1511 LOAD X  401 510                                        0.00 164129   GLOB MOMT     WN 0 3
    1512 LOAD X  403 511     0.00-    163                                       GLOB CONC     WN 0 3
    1513 LOAD Y  403 511                                        0.00- 94760   GLOB MOMT     WN 0 3
    1514 LOAD Y  403 511     0.00-    282                                       GLOB CONC     WN 0 3
    1515 LOAD X  403 511                                        0.00 164129   GLOB MOMT     WN 0 3
    1516 LOAD X  406 512     0.00-    163                                       GLOB CONC     WN 0 3
    1517 LOAD Y  406 512                                        0.00- 94760   GLOB MOMT     WN 0 3
    1518 LOAD Y  406 512     0.00-    282                                       GLOB CONC     WN 0 3
    1519 LOAD X  406 512                                        0.00 164129   GLOB MOMT     WN 0 3
    1520 LOAD X  201 303    21.65      06    3.01                              GLOB UNIF     WV 0 3
    1521 LOAD X  201 303    24.66                .66-      1                  GLOB UNIF     WV 0 3
    1522 LOAD Y  201 303    21.65-     108   3.67-     168                    GLOB UNIF     WV 0 3
    1523 LOAD Z  201 303    21.65-     13    3.02                             GLOB UNIF     WV 0 3
    1524 LOAD Z  201 303    24.66                .65      03                  GLOB UNIF     WV 0 3
    1525 LOAD X  201 303    25.31-     1     3.67-     09                    GLOB UNIF     WV 0 3
    1526 LOAD Y  201 303    25.31-     168   3.67-     226                   GLOB UNIF     WV 0 3
    1527 LOAD Z  201 303    25.31      03    3.67      17                    GLOB UNIF     WV 0 3
    1528 LOAD X  201 303    26.98-     09    3.67-     11                    GLOB UNIF     WV 0 3
    1529 LOAD Y  201 303    26.98-     226   3.67-     238                   GLOB UNIF     WV 0 3
    1530 LOAD Z  201 303    26.98      17    3.67      21                    GLOB UNIF     WV 0 3
    1531 LOAD X  203 306    20.78-     38   11.67-     39                    GLOB UNIF     WV 0 3
    1532 LOAD Y  203 306    20.78-     66   11.67-     68                    GLOB UNIF     WV 0 3
    1533 LOAD Z  203 306    20.78-     148  11.67-     152                   GLOB UNIF     WV 0 3
    1534 LOAD X  206 301    17.24-     120   5.13-     167                   GLOB UNIF     WV 0 3
    1535 LOAD Y  206 301    17.24-     45    5.13-     81                    GLOB UNIF     WV 0 3
    1536 LOAD Z  206 301    17.24-     40    5.13-     26                    GLOB UNIF     WV 0 3
    1537 LOAD X  206 301    22.38-     167   5.13-     191                   GLOB UNIF     WV 0 3
    1538 LOAD Y  206 301    22.38-     81    5.13-     101                   GLOB UNIF     WV 0 3
    1539 LOAD Z  206 301    22.38-     26    5.13-     15                    GLOB UNIF     WV 0 3
    1540 LOAD X  206 301    27.51-     191   5.13-     207                   GLOB UNIF     WV 0 3
    1541 LOAD Y  206 301    27.51-     101   5.13-     117                   GLOB UNIF     WV 0 3
    1542 LOAD Z  206 301    27.51-     15    5.13-     05                    GLOB UNIF     WV 0 3
```

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                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

1483  LOAD Y  706 806   17.57   165   8.79   149          GLOB UNIF   WV 0 2
1484  LOAD Z  706 806   17.57    27   8.79    25          GLOB UNIF   WV 0 2
1485  LOAD X  801 901    0.00-   06   9.12-   06          GLOB UNIF   WV 0 2
1486  LOAD Y  801 901    0.00   120   9.12   105          GLOB UNIF   WV 0 2
1487  LOAD Z  801 901    0.00-   11   9.12-   10          GLOB UNIF   WV 0 2
1488  LOAD X  801 901    9.12-   06   9.12-   05          GLOB UNIF   WV 0 2
1489  LOAD Y  801 901    9.12   105   9.12    94          GLOB UNIF   WV 0 2
1490  LOAD Z  801 901    9.12-   10   9.12-   08          GLOB UNIF   WV 0 2
1491  LOAD X  801 901   18.25-   05   9.12-   03          GLOB UNIF   WV 0 2
1492  LOAD Y  801 901   18.25    94   9.12    84          GLOB UNIF   WV 0 2
1493  LOAD Z  801 901   18.25-   08   9.12-   07          GLOB UNIF   WV 0 2
1494  LOAD X  803 903    0.00    08   9.12    06          GLOB UNIF   WV 0 2
1495  LOAD Y  803 903    0.00   120   9.12   105          GLOB UNIF   WV 0 2
1496  LOAD Z  803 903    0.00-   11   9.12-   10          GLOB UNIF   WV 0 2
1497  LOAD X  803 903    9.12    06   9.12    05          GLOB UNIF   WV 0 2
1498  LOAD Y  803 903    9.12   105   9.12    94          GLOB UNIF   WV 0 2
1499  LOAD Z  803 903    9.12-   10   9.12-   08          GLOB UNIF   WV 0 2
1500  LOAD X  803 903   18.25    05   9.12    03          GLOB UNIF   WV 0 2
1501  LOAD Y  803 903   18.25    94   9.12    84          GLOB UNIF   WV 0 2
1502  LOAD Z  803 903   18.25-   08   9.12-   07          GLOB UNIF   WV 0 2
1503  LOAD Y  806 906    0.00   149   9.12   136          GLOB UNIF   WV 0 2
1504  LOAD Z  806 906    0.00    25   9.12    23          GLOB UNIF   WV 0 2
1505  LOAD Y  806 906    9.12   136   9.12   126          GLOB UNIF   WV 0 2
1506  LOAD Z  806 906    9.12    23   9.12    21          GLOB UNIF   WV 0 2
1507  LOAD Y  806 906   18.25   126   9.12   116          GLOB UNIF   WV 0 2
1508  LOAD Z  806 906   18.25    21   9.12    20          GLOB UNIF   WV 0 2
1509  LOAD X  9011001    0.00-   03   9.12-   02          GLOB UNIF   WV 0 2
1510  LOAD Y  9011001    0.00    84   9.12    76          GLOB UNIF   WV 0 2
1511  LOAD Z  9011001    0.00-   07   9.12-   07          GLOB UNIF   WV 0 2
1512  LOAD X  9011001    9.12-   02   9.12-    1          GLOB UNIF   WV 0 2
1513  LOAD Y  9011001    9.12    76   9.12    63          GLOB UNIF   WV 0 2
1514  LOAD Z  9011001    9.12-   07   9.12-   05          GLOB UNIF   WV 0 2
1515  LOAD X  9011001   18.25-    1   9.12               GLOB UNIF   WV 0 2
1516  LOAD Y  9011001   18.25    63   8.74               GLOB UNIF   WV 0 2
1517  LOAD Y  9011001   26.98          .39-   03          GLOB UNIF   WV 0 2
1518  LOAD Z  9011001   18.25-   05   8.79               GLOB UNIF   WV 0 2
1519  LOAD X  9031003    0.00    03   9.12    02          GLOB UNIF   WV 0 2
1520  LOAD Y  9031003    0.00    84   9.12    76          GLOB UNIF   WV 0 2
1521  LOAD Z  9031003    0.00-   07   9.12-   07          GLOB UNIF   WV 0 2
1522  LOAD X  9031003    9.12    02   9.12    1           GLOB UNIF   WV 0 2
1523  LOAD Y  9031003    9.12    76   9.12    63          GLOB UNIF   WV 0 2
1524  LOAD Z  9031003    9.12-   07   9.12-   05          GLOB UNIF   WV 0 2
1525  LOAD X  9031003   18.25     1   9.12               GLOB UNIF   WV 0 2
1526  LOAD Y  9031003   18.25    63   8.74               GLOB UNIF   WV 0 2
1527  LOAD Y  9031003   26.98          .39-   03          GLOB UNIF   WV 0 2
1528  LOAD Z  9031003   18.25-   05   8.79               GLOB UNIF   WV 0 2
1529  LOAD Y  9061006    0.00   118   9.12   111          GLOB UNIF   WV 0 2
1530  LOAD Z  9061006    0.00    20   9.12    19          GLOB UNIF   WV 0 2
1531  LOAD Y  9061006    9.12   111   9.12   101          GLOB UNIF   WV 0 2
1532  LOAD Z  9061006    9.12    19   9.12    17          GLOB UNIF   WV 0 2
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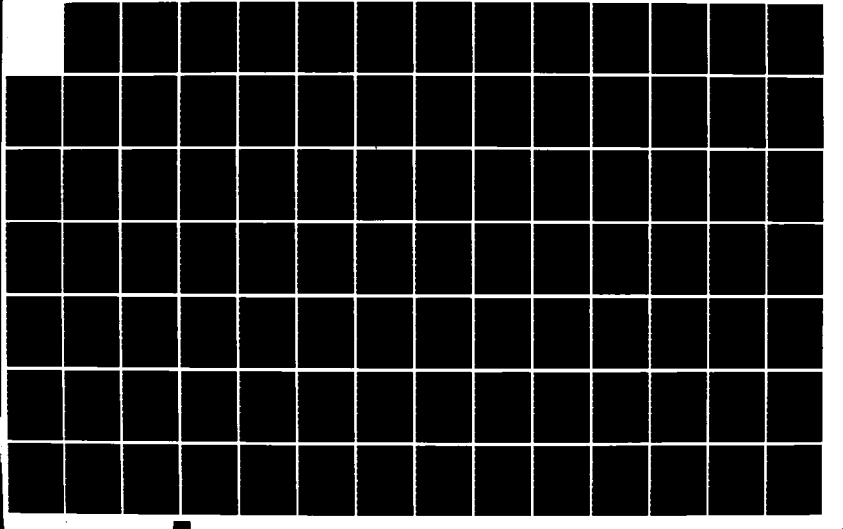
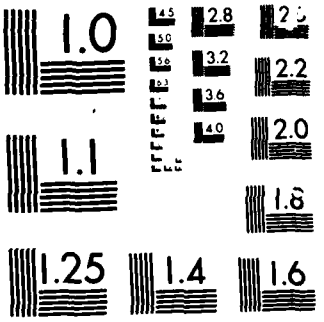
LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
1543	LOAD X	301 403	0.00-	25	13.55-	35					GLOB UNIF		WV 0 3		
1544	LOAD Y	301 403	0.00-	129	13.55-	154					GLOB UNIF		WV 0 3		
1545	LOAD Z	301 403	0.00	25	13.55	30					GLOB UNIF		WV 0 3		
1546	LOAD X	301 403	13.55-	55	13.55-	33					GLOB UNIF		WV 0 3		
1547	LOAD Y	301 403	13.55-	154	13.55-	146					GLOB UNIF		WV 0 3		
1548	LOAD Z	301 403	13.55	30	13.55	33					GLOB UNIF		WV 0 3		
1549	LOAD X	301 403	27.11-	33	13.55-	21					GLOB UNIF		WV 0 3		
1550	LOAD Y	301 403	27.11-	146	13.55-	102					GLOB UNIF		WV 0 3		
1551	LOAD Z	301 403	27.11	33	13.55	22					GLOB UNIF		WV 0 3		
1552	LOAD Y	301 303	0.00-	112	14.50-	106					GLOB UNIF		WV 0 3		
1553	LOAD Z	301 303	0.00-	17	14.50-	11					GLOB UNIF		WV 0 3		
1554	LOAD Y	301 303	14.50-	106	14.50-	100					GLOB UNIF		WV 0 3		
1555	LOAD Z	301 303	14.50-	11	14.50-	05					GLOB UNIF		WV 0 3		
1556	LOAD Z	303 305	0.00-	05	14.50-	17					GLOB UNIF		WV 0 3		
1557	LOAD Z	303 305	14.50-	17	14.50-	24					GLOB UNIF		WV 0 3		
1558	LOAD X	301 306	0.00-	97	29.00-	80					GLOB UNIF		WV 0 3		
1559	LOAD Y	301 306	0.00-	56	29.00-	46					GLOB UNIF		WV 0 3		
1560	LOAD Z	301 306	0.00-	17	29.00-	24					GLOB UNIF		WV 0 3		
1561	LOAD Y	501 502	0.00-	60	15.15-	60					GLOB UNIF		WV 0 3		
1562	LOAD Z	501 502	0.00-	08	15.15-	07					GLOB UNIF		WV 0 3		
1563	LOAD Y	502 503	0.00-	60	15.15-	60					GLOB UNIF		WV 0 3		
1564	LOAD Z	502 503	0.00-	07	15.15-	06					GLOB UNIF		WV 0 3		
1565	LOAD Z	503 505	0.00-	06	15.15-	08					GLOB UNIF		WV 0 3		
1566	LOAD Z	505 506	0.00-	08	15.15-	10					GLOB UNIF		WV 0 3		
1567	LOAD X	501 504	0.00-	52	15.15-	51					GLOB UNIF		WV 0 3		
1568	LOAD Y	501 504	0.00-	30	15.15-	30					GLOB UNIF		WV 0 3		
1569	LOAD Z	501 504	0.00-	08	15.15-	09					GLOB UNIF		WV 0 3		
1570	LOAD X	504 506	0.00-	51	15.15-	49					GLOB UNIF		WV 0 3		
1571	LOAD Y	504 506	0.00-	30	15.15-	28					GLOB UNIF		WV 0 3		
1572	LOAD Z	504 506	0.00-	09	15.15-	10					GLOB UNIF		WV 0 3		
1573	LOAD Z	502 504	0.00-	04	15.15-	06					GLOB UNIF		WV 0 3		
1574	LOAD X	502 505	0.00-	41	15.15-	41					GLOB UNIF		WV 0 3		
1575	LOAD Y	502 505	0.00-	24	15.15-	24					GLOB UNIF		WV 0 3		
1576	LOAD Z	502 505	0.00-	04	15.15-	05					GLOB UNIF		WV 0 3		
1577	LOAD Y	504 505	0.00-	47	15.14-	48					GLOB UNIF		WV 0 3		
1578	LOAD Z	504 505	0.00-	06	15.14-	05					GLOB UNIF		WV 0 3		
1579	LOAD X	501 513	0.00-	26	3.00-	26					GLOB UNIF		WV 0 3		
1580	LOAD Y	501 513	0.00-	45	3.00-	45					GLOB UNIF		WV 0 3		
1581	LOAD Z	501 513	0.00-	05	3.00-	05					GLOB UNIF		WV 0 3		
1582	LOAD X	503 514	0.00	13	3.00	13					GLOB UNIF		WV 0 3		
1583	LOAD Y	503 514	0.00-	22	3.00-	22					GLOB UNIF		WV 0 3		
1584	LOAD Z	503 514	0.00-	03	3.00-	02					GLOB UNIF		WV 0 3		
1585	LOAD X	513 651	0.00-	89	6.00-	79					GLOB UNIF		WV 0 3		
1586	LOAD Y	513 651	0.00-	155	6.00-	137					GLOB UNIF		WV 0 3		
1587	LOAD X	513 651	6.00-	79	6.00-	71					GLOB UNIF		WV 0 3		
1588	LOAD Y	513 651	6.00-	137	6.00-	123					GLOB UNIF		WV 0 3		
1589	LOAD X	513 651	12.00-	71	6.00-	63					GLOB UNIF		WV 0 3		
1590	LOAD Y	513 651	12.00-	123	6.00-	110					GLOB UNIF		WV 0 3		
1591	LOAD X	514 653	0.00-	96	6.00-	85					GLOB UNIF		WV 0 3		
1592	LOAD Y	514 653	0.00-	166	6.00-	147					GLOB UNIF		WV 0 3		

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614

4/7

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1593	LOAD	X	514	653	6.00-	85	6.00-	77				GLOB	UNIF		WV	0	3
1594	LOAD	Y	514	653	6.00-	147	6.00-	133				GLOB	UNIF		WV	0	3
1595	LOAD	X	514	653	12.00-	77	6.00-	69				GLOB	UNIF		WV	0	3
1596	LOAD	Y	514	653	12.00-	133	6.00-	119				GLOB	UNIF		WV	0	3
1597	LOAD	X	601	611	0.00-	27	6.00-	27				GLOB	UNIF		WV	0	3
1598	LOAD	Z	601	611	0.00-	06	6.00-	05				GLOB	UNIF		WV	0	3
1599	LOAD	X	603	613	0.00-	27	6.00-	26				GLOB	UNIF		WV	0	3
1600	LOAD	Z	603	613	0.00-	04	6.00-	03				GLOB	UNIF		WV	0	3
1601	LOAD	Y	611	612	0.00-	40	16.01-	39				GLOB	UNIF		WV	0	3
1602	LOAD	Z	611	612	0.00-	04	16.01-	03				GLOB	UNIF		WV	0	3
1603	LOAD	Y	612	613	0.00-	39	16.01-	38				GLOB	UNIF		WV	0	3
1604	LOAD	Z	612	613	0.00-	03	16.01-	02				GLOB	UNIF		WV	0	3
1605	LOAD	Y	601	602	0.00-	71	17.75-	70				GLOB	UNIF		WV	0	3
1606	LOAD	Z	601	602	0.00-	04	17.75-	03				GLOB	UNIF		WV	0	3
1607	LOAD	Y	602	603	0.00-	70	17.75-	66				GLOB	UNIF		WV	0	3
1608	LOAD	Z	602	603	0.00-	03	17.75-	1				GLOB	UNIF		WV	0	3
1609	LOAD	X	611	601	0.00-	62	6.06-	56				GLOB	UNIF		WV	0	3
1610	LOAD	Y	611	601	0.00-	103	6.06-	92				GLOB	UNIF		WV	0	3
1611	LOAD	Z	611	601	0.00-	09	6.06-	08				GLOB	UNIF		WV	0	3
1612	LOAD	X	611	601	6.06-	56	6.06-	50				GLOB	UNIF		WV	0	3
1613	LOAD	Y	611	601	6.06-	92	6.06-	83				GLOB	UNIF		WV	0	3
1614	LOAD	Z	611	601	6.06-	08	6.06-	07				GLOB	UNIF		WV	0	3
1615	LOAD	X	612	602	0.00-	39	6.00-	35				GLOB	UNIF		WV	0	3
1616	LOAD	Y	612	602	0.00-	68	6.00-	61				GLOB	UNIF		WV	0	3
1617	LOAD	X	612	602	6.00-	35	6.00-	32				GLOB	UNIF		WV	0	3
1618	LOAD	Y	612	602	6.00-	61	6.00-	55				GLOB	UNIF		WV	0	3
1619	LOAD	X	613	603	0.00-	56	6.06-	51				GLOB	UNIF		WV	0	3
1620	LOAD	Y	613	603	0.00-	105	6.06-	94				GLOB	UNIF		WV	0	3
1621	LOAD	Z	613	603	0.00	08	6.06	07				GLOB	UNIF		WV	0	3
1622	LOAD	X	613	603	6.06-	51	6.06-	46				GLOB	UNIF		WV	0	3
1623	LOAD	Y	613	603	6.06-	94	6.06-	85				GLOB	UNIF		WV	0	3
1624	LOAD	Z	613	603	6.06	07	6.06	07				GLOB	UNIF		WV	0	3
1625	LOAD	X	501	642	0.00-	06	6.75-	06				GLOB	UNIF		WV	0	3
1626	LOAD	Y	501	642	0.00-	73	6.75-	66				GLOB	UNIF		WV	0	3
1627	LOAD	Z	501	642	0.00	14	6.75	13				GLOB	UNIF		WV	0	3
1628	LOAD	X	501	642	6.75-	06	6.75-	05				GLOB	UNIF		WV	0	3
1629	LOAD	Y	501	642	6.75-	68	6.75-	63				GLOB	UNIF		WV	0	3
1630	LOAD	Z	501	642	6.75	13	6.75	13				GLOB	UNIF		WV	0	3
1631	LOAD	X	501	642	13.50-	05	6.75-	05				GLOB	UNIF		WV	0	3
1632	LOAD	Y	501	642	13.50-	63	6.75-	59				GLOB	UNIF		WV	0	3
1633	LOAD	Z	501	642	13.50	13	6.75	12				GLOB	UNIF		WV	0	3
1634	LOAD	X	503	645	0.00-	21	10.12-	19				GLOB	UNIF		WV	0	3
1635	LOAD	Y	503	645	0.00-	30	10.12-	27				GLOB	UNIF		WV	0	3
1636	LOAD	Z	503	645	0.00-	49	10.12-	44				GLOB	UNIF		WV	0	3
1637	LOAD	X	503	645	10.12-	19	10.12-	17				GLOB	UNIF		WV	0	3
1638	LOAD	Y	503	645	10.12-	27	10.12-	25				GLOB	UNIF		WV	0	3
1639	LOAD	Z	503	645	10.12-	44	10.12-	41				GLOB	UNIF		WV	0	3
1640	LOAD	X	506	644	0.00-	57	10.12-	52				GLOB	UNIF		WV	0	3
1641	LOAD	Y	506	644	0.00-	44	10.12-	40				GLOB	UNIF		WV	0	3
1642	LOAD	Z	506	644	0.00	07	10.12	07				GLOB	UNIF		WV	0	3

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1643	LOAD X	506	644	10.12-	52	10.12-	46					GLOB	UNIF		WV	0 3
1644	LOAD Y	506	644	10.12-	40	10.12-	37					GLOB	UNIF		WV	0 3
1645	LOAD Z	506	644	10.12	07	10.12	06					GLOB	UNIF		WV	0 3
1646	LOAD X	642	703	0.00-	10	7.31-	09					GLOB	UNIF		WV	0 3
1647	LOAD Y	642	703	0.00-	88	7.31-	81					GLOB	UNIF		WV	0 3
1648	LOAD Z	642	703	0.00	21	7.31	19					GLOB	UNIF		WV	0 3
1649	LOAD X	642	705	7.31-	09	7.31-	09					GLOB	UNIF		WV	0 3
1650	LOAD Y	642	705	7.31-	81	7.31-	75					GLOB	UNIF		WV	0 3
1651	LOAD Z	642	703	7.31	19	7.31	18					GLOB	UNIF		WV	0 3
1652	LOAD X	642	703	14.62-	09	7.31-	08					GLOB	UNIF		WV	0 3
1653	LOAD Y	642	703	14.62-	75	7.31-	69					GLOB	UNIF		WV	0 3
1654	LOAD Z	642	703	14.62	18	7.31	17					GLOB	UNIF		WV	0 3
1655	LOAD X	645	706	0.00-	24	7.31-	23					GLOB	UNIF		WV	0 3
1656	LOAD Y	645	706	0.00-	35	7.31-	32					GLOB	UNIF		WV	0 3
1657	LOAD Z	645	706	0.00-	57	7.31-	53					GLOB	UNIF		WV	0 3
1658	LOAD X	645	706	7.31-	23	7.31-	20					GLOB	UNIF		WV	0 3
1659	LOAD Y	645	706	7.31-	32	7.31-	29					GLOB	UNIF		WV	0 3
1660	LOAD Z	645	706	7.31-	53	7.31-	48					GLOB	UNIF		WV	0 3
1661	LOAD X	645	706	14.62-	20	7.31-	18					GLOB	UNIF		WV	0 3
1662	LOAD Y	645	706	14.62-	29	7.31-	26					GLOB	UNIF		WV	0 3
1663	LOAD Z	645	706	14.62-	48	7.31-	43					GLOB	UNIF		WV	0 3
1664	LOAD X	644	701	0.00-	71	7.31-	66					GLOB	UNIF		WV	0 3
1665	LOAD Y	644	701	0.00-	59	7.31-	55					GLOB	UNIF		WV	0 3
1666	LOAD Z	644	701	0.00	14	7.31	13					GLOB	UNIF		WV	0 3
1667	LOAD X	644	701	7.31-	66	7.31-	62					GLOB	UNIF		WV	0 3
1668	LOAD Y	644	701	7.31-	55	7.31-	52					GLOB	UNIF		WV	0 3
1669	LOAD Z	644	701	7.31	13	7.31	12					GLOB	UNIF		WV	0 3
1670	LOAD X	644	701	14.62-	62	7.31-	57					GLOB	UNIF		WV	0 3
1671	LOAD Y	644	701	14.62-	52	7.31-	48					GLOB	UNIF		WV	0 3
1672	LOAD Z	644	701	14.62	12	7.31	11					GLOB	UNIF		WV	0 3
1673	LOAD Y	701	702	0.00-	48	18.76-	47					GLOB	UNIF		WV	0 3
1674	LOAD Z	701	702	0.00-	03	18.76-	02					GLOB	UNIF		WV	0 3
1675	LOAD Y	702	703	0.00-	47	18.76-	46					GLOB	UNIF		WV	0 3
1676	LOAD Z	702	703	0.00-	02	18.76-	1					GLOB	UNIF		WV	0 3
1677	LOAD Z	703	705	0.00-	1	6.25-	02					GLOB	UNIF		WV	0 3
1678	LOAD Z	703	705	6.25-	02	6.25-	02					GLOB	UNIF		WV	0 3
1679	LOAD Z	703	705	12.51-	02	6.25-	03					GLOB	UNIF		WV	0 3
1680	LOAD Z	705	706	0.00-	03	18.75-	04					GLOB	UNIF		WV	0 3
1681	LOAD X	701	704	0.00-	41	18.76-	41					GLOB	UNIF		WV	0 3
1682	LOAD Y	701	704	0.00-	24	18.76-	24					GLOB	UNIF		WV	0 3
1683	LOAD Z	701	704	0.00-	03	18.76-	03					GLOB	UNIF		WV	0 3
1684	LOAD X	704	706	0.00-	41	18.75-	39					GLOB	UNIF		WV	0 3
1685	LOAD Y	704	706	0.00-	24	18.75-	23					GLOB	UNIF		WV	0 3
1686	LOAD Z	704	706	0.00-	03	18.75-	04					GLOB	UNIF		WV	0 3
1687	LOAD Z	702	704	0.00-	07	18.76-	06					GLOB	UNIF		WV	0 3
1688	LOAD X	702	705	0.00-	36	18.76-	36					GLOB	UNIF		WV	0 3
1689	LOAD Y	702	705	0.00-	21	18.76-	21					GLOB	UNIF		WV	0 3
1690	LOAD Z	702	705	0.00-	07	18.76-	07					GLOB	UNIF		WV	0 3
1691	LOAD Y	704	705	0.00-	40	18.76-	42					GLOB	UNIF		WV	0 3
1692	LOAD Z	704	705	0.00-	08	18.76-	07					GLOB	UNIF		WV	0 3

LINE NO.	1...5				1 0...5	1 5...0	2 0...5	2 5...0	3 0...5	3 5...0	4 0...5	4 5...0	5 0...5	5 5...0	6 0...5	6 5...0	7 0...5	7 5...0	8
1693	LOAD	X	701	806	0.00-		54	16.27-		46					GLOB	UNIF		WV 0 3	
1694	LOAD	Y	701	806	0.00-		47	16.27-		40					GLOB	UNIF		WV 0 3	
1695	LOAD	Z	701	806	0.00-		27	16.27-		24					GLOB	UNIF		WV 0 3	
1696	LOAD	X	701	806	16.27-		46	16.27-		39					GLOB	UNIF		WV 0 3	
1697	LOAD	Y	701	806	16.27-		40	16.27-		34					GLOB	UNIF		WV 0 3	
1698	LOAD	Z	701	806	16.27-		24	16.27-		20					GLOB	UNIF		WV 0 3	
1699	LOAD	X	701	806	32.55-		39	16.27-		33					GLOB	UNIF		WV 0 3	
1700	LOAD	Y	701	806	32.55-		34	16.27-		29					GLOB	UNIF		WV 0 3	
1701	LOAD	Z	701	806	32.55-		20	16.27-		17					GLOB	UNIF		WV 0 3	
1702	LOAD	X	703	801	0.00-		17	16.28-		16					GLOB	UNIF		WV 0 3	
1703	LOAD	Y	703	801	0.00-		72	16.28-		64					GLOB	UNIF		WV 0 3	
1704	LOAD	Z	703	801	0.00-		22	16.28-		20					GLOB	UNIF		WV 0 3	
1705	LOAD	X	703	801	16.28-		16	16.28-		14					GLOB	UNIF		WV 0 3	
1706	LOAD	Y	703	801	16.28-		64	16.28-		56					GLOB	UNIF		WV 0 3	
1707	LOAD	Z	703	801	16.28-		20	16.28-		18					GLOB	UNIF		WV 0 3	
1708	LOAD	X	703	801	32.55-		14	16.28-		13					GLOB	UNIF		WV 0 3	
1709	LOAD	Y	703	801	32.55-		56	16.28-		50					GLOB	UNIF		WV 0 3	
1710	LOAD	Z	703	801	32.55-		18	16.28-		16					GLOB	UNIF		WV 0 3	
1711	LOAD	X	706	803	0.00-		06	16.28-		06					GLOB	UNIF		WV 0 3	
1712	LOAD	Y	706	803	0.00-		16	16.28-		16					GLOB	UNIF		WV 0 3	
1713	LOAD	Z	706	803	0.00		27	16.28		26					GLOB	UNIF		WV 0 3	
1714	LOAD	X	706	803	16.28-		06	16.28-		05					GLOB	UNIF		WV 0 3	
1715	LOAD	Y	706	803	16.28-		16	16.28-		14					GLOB	UNIF		WV 0 3	
1716	LOAD	Z	706	803	16.28		26	16.28		24					GLOB	UNIF		WV 0 3	
1717	LOAD	X	706	803	32.55-		05	16.28-		05					GLOB	UNIF		WV 0 3	
1718	LOAD	Y	706	803	32.55-		14	16.28-		13					GLOB	UNIF		WV 0 3	
1719	LOAD	Z	706	803	32.55		24	16.28		22					GLOB	UNIF		WV 0 3	
1720	LOAD	Y	801	802	0.00-		32	22.51-		32					GLOB	UNIF		WV 0 3	
1721	LOAD	Z	801	802	0.00-		02	22.51-		02					GLOB	UNIF		WV 0 3	
1722	LOAD	Y	802	803	0.00-		32	22.51-		31					GLOB	UNIF		WV 0 3	
1723	LOAD	Z	802	803	0.00-		02	22.51-		1					GLOB	UNIF		WV 0 3	
1724	LOAD	Z	803	805	0.00-		1	11.26-		02					GLOB	UNIF		WV 0 3	
1725	LOAD	Z	803	805	11.26-		02	11.26-		02					GLOB	UNIF		WV 0 3	
1726	LOAD	Z	805	806	0.00-		02	22.51-		02					GLOB	UNIF		WV 0 3	
1727	LOAD	X	801	804	0.00-		28	22.51-		28					GLOB	UNIF		WV 0 3	
1728	LOAD	Y	801	804	0.00-		16	22.51-		16					GLOB	UNIF		WV 0 3	
1729	LOAD	Z	801	804	0.00-		02	22.51-		02					GLOB	UNIF		WV 0 3	
1730	LOAD	X	804	806	0.00-		28	22.51-		26					GLOB	UNIF		WV 0 3	
1731	LOAD	Y	804	806	0.00-		16	22.51-		15					GLOB	UNIF		WV 0 3	
1732	LOAD	Z	804	806	0.00-		02	22.51-		02					GLOB	UNIF		WV 0 3	
1733	LOAD	Z	802	804	0.00-		04	22.52-		05					GLOB	UNIF		WV 0 3	
1734	LOAD	X	802	805	0.00-		25	22.52-		25					GLOB	UNIF		WV 0 3	
1735	LOAD	Y	802	805	0.00-		14	22.52-		14					GLOB	UNIF		WV 0 3	
1736	LOAD	Z	802	805	0.00-		04	22.52-		05					GLOB	UNIF		WV 0 3	
1737	LOAD	Y	804	805	0.00-		27	22.52-		28					GLOB	UNIF		WV 0 3	
1738	LOAD	Z	804	805	0.00-		05	22.52-		05					GLOB	UNIF		WV 0 3	
1739	LOAD	X	801	903	0.00-		02	16.64-		02					GLOB	UNIF		WV 0 3	
1740	LOAD	Y	801	903	0.00-		48	16.64-		43					GLOB	UNIF		WV 0 3	
1741	LOAD	Z	801	903	0.00		08	16.64		08					GLOB	UNIF		WV 0 3	
1742	LOAD	X	801	903	16.64-		02	16.64-		02					GLOB	UNIF		WV 0 3	

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LINE NO.  1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
1743 LOAD Y 801 903 18.64- 43 18.64- 39 GLOB UNIF WV 0 3
1744 LOAD Z 801 903 18.64 08 18.64 08 GLOB UNIF WV 0 3
1745 LOAD X 801 903 37.28- 02 18.64- 03 GLOB UNIF WV 0 3
1746 LOAD Y 801 903 37.28- 39 18.64- 35 GLOB UNIF WV 0 3
1747 LOAD Z 801 903 37.28 08 18.64 08 GLOB UNIF WV 0 3
1748 LOAD X 803 905 0.00- 09 18.64- 08 GLOB UNIF WV 0 3
1749 LOAD Y 803 905 0.00- 12 18.64- 11 GLOB UNIF WV 0 3
1750 LOAD Z 803 905 0.00- 27 18.64- 25 GLOB UNIF WV 0 3
1751 LOAD X 803 905 18.64- 08 18.64- 07 GLOB UNIF WV 0 3
1752 LOAD Y 803 905 18.64- 11 18.64- 10 GLOB UNIF WV 0 3
1753 LOAD Z 803 906 18.64- 25 18.64- 22 GLOB UNIF WV 0 3
1754 LOAD X 803 906 37.28- 07 18.64- 06 GLOB UNIF WV 0 3
1755 LOAD Y 803 906 37.28- 10 18.64- 08 GLOB UNIF WV 0 3
1756 LOAD Z 803 906 37.28- 22 18.64- 18 GLOB UNIF WV 0 3
1757 LOAD X 806 901 0.00- 37 18.64- 34 GLOB UNIF WV 0 3
1758 LOAD Y 806 901 0.00- 27 18.64- 25 GLOB UNIF WV 0 3
1759 LOAD Z 806 901 0.00 05 18.64 05 GLOB UNIF WV 0 3
1760 LOAD X 806 901 18.64- 34 18.64- 32 GLOB UNIF WV 0 3
1761 LOAD Y 806 901 18.64- 25 18.64- 24 GLOB UNIF WV 0 3
1762 LOAD Z 806 901 18.64 05 18.64 05 GLOB UNIF WV 0 3
1763 LOAD X 806 901 37.28- 32 18.64- 29 GLOB UNIF WV 0 3
1764 LOAD Y 806 901 37.28- 24 18.64- 23 GLOB UNIF WV 0 3
1765 LOAD Z 806 901 37.28 05 18.64 06 GLOB UNIF WV 0 3
1766 LOAD Y 901 902 0.00- 26 26.41- 26 GLOB UNIF WV 0 3
1767 LOAD Z 901 902 0.00- 1 26.41- 1 GLOB UNIF WV 0 3
1768 LOAD Y 902 903 0.00- 26 26.41- 25 GLOB UNIF WV 0 3
1769 LOAD Z 902 903 0.00- 1 26.41- 1 GLOB UNIF WV 0 3
1770 LOAD Z 903 905 0.00- 1 26.41- 1 GLOB UNIF WV 0 3
1771 LOAD Z 905 906 0.00- 1 26.41- 1 GLOB UNIF WV 0 3
1772 LOAD X 901 904 0.00- 23 26.41- 22 GLOB UNIF WV 0 3
1773 LOAD Y 901 904 0.00- 13 26.41- 13 GLOB UNIF WV 0 3
1774 LOAD Z 901 904 0.00- 1 26.41- 1 GLOB UNIF WV 0 3
1775 LOAD X 904 906 0.00- 22 26.41- 21 GLOB UNIF WV 0 3
1776 LOAD Y 904 906 0.00- 13 26.41- 12 GLOB UNIF WV 0 3
1777 LOAD Z 904 906 0.00- 1 26.41- 1 GLOB UNIF WV 0 3
1778 LOAD Z 902 904 0.00- 02 26.41- 02 GLOB UNIF WV 0 3
1779 LOAD X 902 905 0.00- 19 26.41- 18 GLOB UNIF WV 0 3
1780 LOAD Y 902 905 0.00- 11 26.41- 10 GLOB UNIF WV 0 3
1781 LOAD Z 902 905 0.00- 02 26.41- 02 GLOB UNIF WV 0 3
1782 LOAD Y 904 905 0.00- 20 26.40- 21 GLOB UNIF WV 0 3
1783 LOAD Z 904 905 0.00- 02 26.40- 02 GLOB UNIF WV 0 3
1784 LOAD X 9011002 0.00- 07 12.61- 06 GLOB UNIF WV 0 3
1785 LOAD Y 9011002 0.00- 29 12.61- 26 GLOB UNIF WV 0 3
1786 LOAD Z 9011002 0.00 09 12.61 08 GLOB UNIF WV 0 3
1787 LOAD X 9011002 12.61- 06 12.61- 06 GLOB UNIF WV 0 3
1788 LOAD Y 9011002 12.61- 26 12.61- 23 GLOB UNIF WV 0 3
1789 LOAD Z 9011002 12.61 08 12.61 07 GLOB UNIF WV 0 3
1790 LOAD X 9011002 25.22- 06 12.61- 1 GLOB UNIF WV 0 3
1791 LOAD Y 9011002 25.22- 23 12.61- 03 GLOB UNIF WV 0 3
1792 LOAD Z 9011002 25.22 07 12.61 1 GLOB UNIF WV 0 3
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| LINE NO. | | |

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LINE NO. 1....5....0....5....0....5....0
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LINE NO.																							
1893	LOAD	Y	401	501	0.00-	196	4.56-	179								GLOB	UNIF		WV	0	3		
1894	LOAD	Z	401	501	0.00-	02	4.56-	02								GLOB	UNIF		WV	0	3		
1895	LOAD	X	403	503	0.00-	114	4.56-	104								GLOB	UNIF		WV	0	3		
1896	LOAD	Y	403	503	0.00-	214	4.56-	197								GLOB	UNIF		WV	0	3		
1897	LOAD	Z	403	503	0.00	34	4.56	32								GLOB	UNIF		WV	0	3		
1898	LOAD	X	406	506	0.00-	98	4.56-	89								GLOB	UNIF		WV	0	3		
1899	LOAD	Y	406	506	0.00-	179	4.56-	163								GLOB	UNIF		WV	0	3		
1900	LOAD	Z	406	506	0.00-	30	4.56-	27								GLOB	UNIF		WV	0	3		
1901	LOAD	X	501	601	0.00-	118	3.04-	111								GLOB	UNIF		WV	0	3		
1902	LOAD	Y	501	601	0.00-	179	3.04-	168								GLOB	UNIF		WV	0	3		
1903	LOAD	Z	501	601	0.00-	02	3.04-	02								GLOB	UNIF		WV	0	3		
1904	LOAD	X	501	601	3.04-	111	3.04-	105								GLOB	UNIF		WV	0	3		
1905	LOAD	Y	501	601	3.04-	166	3.04-	156								GLOB	UNIF		WV	0	3		
1906	LOAD	Z	501	601	3.04-	02	3.04-	02								GLOB	UNIF		WV	0	3		
1907	LOAD	X	503	603	0.00-	104	3.04-	98								GLOB	UNIF		WV	0	3		
1908	LOAD	Y	503	603	0.00-	197	3.04-	185								GLOB	UNIF		WV	0	3		
1909	LOAD	Z	503	603	0.00	31	3.04	29								GLOB	UNIF		WV	0	3		
1910	LOAD	X	503	603	3.04-	98	3.04-	92								GLOB	UNIF		WV	0	3		
1911	LOAD	Y	503	603	3.04-	185	3.04-	174								GLOB	UNIF		WV	0	3		
1912	LOAD	Z	503	603	3.04	29	3.04	28								GLOB	UNIF		WV	0	3		
1913	LOAD	X	506	606	0.00-	89	3.04-	83								GLOB	UNIF		WV	0	3		
1914	LOAD	Y	506	606	0.00-	163	3.04-	152								GLOB	UNIF		WV	0	3		
1915	LOAD	Z	506	606	0.00-	27	3.04-	25								GLOB	UNIF		WV	0	3		
1916	LOAD	X	506	606	3.04-	83	3.04-	77								GLOB	UNIF		WV	0	3		
1917	LOAD	Y	506	606	3.04-	152	3.04-	142								GLOB	UNIF		WV	0	3		
1918	LOAD	Z	506	606	3.04-	25	3.04-	23								GLOB	UNIF		WV	0	3		
1919	LOAD	X	601	641	0.00-	105	3.04-	99								GLOB	UNIF		WV	0	3		
1920	LOAD	Y	601	641	0.00-	158	3.04-	150								GLOB	UNIF		WV	0	3		
1921	LOAD	Z	601	641	0.00-	02	3.04-	02								GLOB	UNIF		WV	0	3		
1922	LOAD	X	601	641	3.04-	99	3.04-	94								GLOB	UNIF		WV	0	3		
1923	LOAD	Y	601	641	3.04-	150	3.04-	141								GLOB	UNIF		WV	0	3		
1924	LOAD	Z	601	641	3.04-	02	3.04-	02								GLOB	UNIF		WV	0	3		
1925	LOAD	X	603	643	0.00-	92	3.04-	87								GLOB	UNIF		WV	0	3		
1926	LOAD	Y	603	643	0.00-	174	3.04-	165								GLOB	UNIF		WV	0	3		
1927	LOAD	Z	603	643	0.00	28	3.04	26								GLOB	UNIF		WV	0	3		
1928	LOAD	X	603	643	3.04-	87	3.04-	82								GLOB	UNIF		WV	0	3		
1929	LOAD	Y	603	643	3.04-	165	3.04-	156								GLOB	UNIF		WV	0	3		
1930	LOAD	Z	603	643	3.04	26	3.04	25								GLOB	UNIF		WV	0	3		
1931	LOAD	X	606	646	0.00-	77	6.08-	69								GLOB	UNIF		WV	0	3		
1932	LOAD	Y	606	646	0.00-	142	6.08-	127								GLOB	UNIF		WV	0	3		
1933	LOAD	Z	606	646	0.00-	24	6.08-	21								GLOB	UNIF		WV	0	3		
1934	LOAD	X	641	651	0.00-	144	3.04-	136								GLOB	UNIF		WV	0	3		
1935	LOAD	Y	641	651	0.00-	204	3.04-	192								GLOB	UNIF		WV	0	3		
1936	LOAD	Z	641	651	0.00-	04	3.04-	04								GLOB	UNIF		WV	0	3		
1937	LOAD	X	641	651	3.04-	136	3.04-	129								GLOB	UNIF		WV	0	3		
1938	LOAD	Y	641	651	3.04-	192	3.04-	183								GLOB	UNIF		WV	0	3		
1939	LOAD	Z	641	651	3.04-	04	3.04-	03								GLOB	UNIF		WV	0	3		
1940	LOAD	X	643	653	0.00-	124	6.08-	111								GLOB	UNIF		WV	0	3		
1941	LOAD	Y	643	653	0.00-	240	6.08-	217								GLOB	UNIF		WV	0	3		
1942	LOAD	Z	643	653	0.00	38	6.08	34								GLOB	UNIF		WV	0	3		

LINE NO.																				
1943	LOAD	A	646	656	0.00-	92	6.08-	81					GLOB	UNIF		WV	0	3		
1944	LOAD	Y	646	656	0.00-	176	6.08-	158					GLOB	UNIF		WV	0	3		
1945	LOAD	Z	646	656	0.00-	30	6.08-	26					GLOB	UNIF		WV	0	3		
1946	LOAD	A	651	701	0.00-	129	5.55-	122					GLOB	UNIF		WV	0	3		
1947	LOAD	Y	651	701	0.00-	183	5.55-	172					GLOB	UNIF		WV	0	3		
1948	LOAD	Z	651	701	0.00-	03	5.55-	03					GLOB	UNIF		WV	0	3		
1949	LOAD	A	651	701	5.55-	122	5.55-	115					GLOB	UNIF		WV	0	3		
1950	LOAD	Y	651	701	5.55-	172	5.55-	161					GLOB	UNIF		WV	0	3		
1951	LOAD	Z	651	701	5.55-	03	5.55-	03					GLOB	UNIF		WV	0	3		
1952	LOAD	A	653	703	0.00-	111	5.55-	105					GLOB	UNIF		WV	0	3		
1953	LOAD	Y	653	703	0.00-	217	5.55-	205					GLOB	UNIF		WV	0	3		
1954	LOAD	Z	653	703	0.00	34	5.55	32					GLOB	UNIF		WV	0	3		
1955	LOAD	A	653	703	5.55-	105	5.55-	99					GLOB	UNIF		WV	0	3		
1956	LOAD	Y	653	703	5.55-	205	5.55-	193					GLOB	UNIF		WV	0	3		
1957	LOAD	Z	653	703	5.55	32	5.55	30					GLOB	UNIF		WV	0	3		
1958	LOAD	A	656	706	0.00-	81	5.55-	76					GLOB	UNIF		WV	0	3		
1959	LOAD	Y	656	706	0.00-	158	5.55-	147					GLOB	UNIF		WV	0	3		
1960	LOAD	Z	656	706	0.00-	26	5.55-	25					GLOB	UNIF		WV	0	3		
1961	LOAD	A	656	706	5.55-	76	5.55-	71					GLOB	UNIF		WV	0	3		
1962	LOAD	Y	656	706	5.55-	147	5.55-	137					GLOB	UNIF		WV	0	3		
1963	LOAD	Z	656	706	5.55-	25	5.55-	23					GLOB	UNIF		WV	0	3		
1964	LOAD	A	701	801	0.00-	108	8.79-	94					GLOB	UNIF		WV	0	3		
1965	LOAD	Y	701	801	0.00-	155	8.79-	135					GLOB	UNIF		WV	0	3		
1966	LOAD	Z	701	801	0.00-	03	8.79-	02					GLOB	UNIF		WV	0	3		
1967	LOAD	A	701	801	8.79-	94	8.79-	83					GLOB	UNIF		WV	0	3		
1968	LOAD	Y	701	801	8.79-	135	8.79-	119					GLOB	UNIF		WV	0	3		
1969	LOAD	Z	701	801	8.79-	02	8.79-	02					GLOB	UNIF		WV	0	3		
1970	LOAD	A	701	801	17.57-	85	8.79-	75					GLOB	UNIF		WV	0	3		
1971	LOAD	Y	701	801	17.57-	119	8.79-	106					GLOB	UNIF		WV	0	3		
1972	LOAD	Z	701	801	17.57-	02	8.79-	02					GLOB	UNIF		WV	0	3		
1973	LOAD	A	703	803	0.00-	94	8.79-	82					GLOB	UNIF		WV	0	3		
1974	LOAD	Y	703	803	0.00-	161	8.79-	140					GLOB	UNIF		WV	0	3		
1975	LOAD	Z	703	803	0.00	24	8.79	25					GLOB	UNIF		WV	0	3		
1976	LOAD	A	703	803	8.79-	82	8.79-	74					GLOB	UNIF		WV	0	3		
1977	LOAD	Y	703	803	8.79-	140	8.79-	142					GLOB	UNIF		WV	0	3		
1978	LOAD	Z	703	803	8.79	25	8.79	22					GLOB	UNIF		WV	0	3		
1979	LOAD	A	703	803	17.57-	74	8.79-	67					GLOB	UNIF		WV	0	3		
1980	LOAD	Y	703	803	17.57-	142	8.79-	128					GLOB	UNIF		WV	0	3		
1981	LOAD	Z	703	803	17.57	22	8.79	20					GLOB	UNIF		WV	0	3		
1982	LOAD	A	706	806	0.00-	64	8.79-	54					GLOB	UNIF		WV	0	3		
1983	LOAD	Y	706	806	0.00-	135	8.79-	115					GLOB	UNIF		WV	0	3		
1984	LOAD	Z	706	806	0.00-	22	8.79-	19					GLOB	UNIF		WV	0	3		
1985	LOAD	A	706	806	8.79-	59	8.79-	51					GLOB	UNIF		WV	0	3		
1986	LOAD	Y	706	806	8.79-	115	8.79-	97					GLOB	UNIF		WV	0	3		
1987	LOAD	Z	706	806	8.79-	19	8.79-	16					GLOB	UNIF		WV	0	3		
1988	LOAD	A	706	806	17.57-	51	8.79-	44					GLOB	UNIF		WV	0	3		
1989	LOAD	Y	706	806	17.57-	97	8.79-	84					GLOB	UNIF		WV	0	3		
1990	LOAD	Z	706	806	17.57-	16	8.79-	14					GLOB	UNIF		WV	0	3		
1991	LOAD	A	801	901	0.00-	73	9.12-	65					GLOB	UNIF		WV	0	3		
1992	LOAD	Y	801	901	0.00-	126	9.12-	95					GLOB	UNIF		WV	0	3		

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                                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1993 LOAD Z  901 901    0.00-   02   9.12-    1                        GLOB UNIF     WV 0 3
    1994 LOAD X  901 901    9.12-   65   9.12-   58                        GLOB UNIF     WV 0 3
    1995 LOAD Y  901 901    9.12-   95   9.12-   86                        GLOB UNIF     WV 0 3
    1996 LOAD Z  901 901    9.12-    1   9.12-    1                        GLOB UNIF     WV 0 3
    1997 LOAD X  901 901   18.25-   58   9.12-   52                        GLOB UNIF     WV 0 3
    1998 LOAD Y  901 901   18.25-   86   9.12-   80                        GLOB UNIF     WV 0 3
    1999 LOAD Z  901 901   18.25-    1   9.12-    1                        GLOB UNIF     WV 0 3
    2000 LOAD X  903 903    0.00-   67   9.12-   61                        GLOB UNIF     WV 0 3
    2001 LOAD Y  903 903    0.00-  128   9.12-  116                        GLOB UNIF     WV 0 3
    2002 LOAD Z  903 903    0.00    20   9.12    18                        GLOB UNIF     WV 0 3
    2003 LOAD X  903 903    9.12-   61   9.12-   57                        GLOB UNIF     WV 0 3
    2004 LOAD Y  903 903    9.12-  116   9.12-  107                        GLOB UNIF     WV 0 3
    2005 LOAD Z  903 903    9.12    18   9.12    17                        GLOB UNIF     WV 0 3
    2006 LOAD X  903 903   18.25-   57   9.12-   54                        GLOB UNIF     WV 0 3
    2007 LOAD Y  903 903   18.25-  107   9.12-  100                        GLOB UNIF     WV 0 3
    2008 LOAD Z  903 903   18.25    17   9.12    16                        GLOB UNIF     WV 0 3
    2009 LOAD X  906 906    0.00-   44   9.12-   36                        GLOB UNIF     WV 0 3
    2010 LOAD Y  906 906    0.00-   84   9.12-   72                        GLOB UNIF     WV 0 3
    2011 LOAD Z  906 906    0.00-   14   9.12-   12                        GLOB UNIF     WV 0 3
    2012 LOAD X  906 906    9.12-   38   9.12-   33                        GLOB UNIF     WV 0 3
    2013 LOAD Y  906 906    9.12-   72   9.12-   63                        GLOB UNIF     WV 0 3
    2014 LOAD Z  906 906    9.12-   12   9.12-   10                        GLOB UNIF     WV 0 3
    2015 LOAD X  906 906   18.25-   33   9.12-   29                        GLOB UNIF     WV 0 3
    2016 LOAD Y  906 906   18.25-   63   9.12-   54                        GLOB UNIF     WV 0 3
    2017 LOAD Z  906 906   18.25-   10   9.12-   09                        GLOB UNIF     WV 0 3
    2018 LOAD X 9011001    0.00-   52   9.12-   47                        GLOB UNIF     WV 0 3
    2019 LOAD Y 9011001    0.00-   80   9.12-   75                        GLOB UNIF     WV 0 3
    2020 LOAD Z 9011001    0.00-    1   9.12-    1                        GLOB UNIF     WV 0 3
    2021 LOAD X 9011001    9.12-   47   9.12-   40                        GLOB UNIF     WV 0 3
    2022 LOAD Y 9011001    9.12-   75   9.12-   65                        GLOB UNIF     WV 0 3
    2023 LOAD Z 9011001    9.12-    1   9.12                             GLOB UNIF     WV 0 3
    2024 LOAD X 9011001   18.25-   40   9.12-   06                        GLOB UNIF     WV 0 3
    2025 LOAD Y 9011001   18.25-   65   9.12-   10                        GLOB UNIF     WV 0 3
    2026 LOAD X 9031003    0.00-   54   9.12-   52                        GLOB UNIF     WV 0 3
    2027 LOAD Y 9031003    0.00-  100   9.12-   95                        GLOB UNIF     WV 0 3
    2028 LOAD Z 9031003    0.00    16   9.12    15                        GLOB UNIF     WV 0 3
    2029 LOAD X 9031003    9.12-   52   9.12-   47                        GLOB UNIF     WV 0 3
    2030 LOAD Y 9031003    9.12-   95   9.12-   86                        GLOB UNIF     WV 0 3
    2031 LOAD Z 9031003    9.12    15   9.12    14                        GLOB UNIF     WV 0 3
    2032 LOAD X 9031003   18.25-   47   9.12-   21                        GLOB UNIF     WV 0 3
    2033 LOAD Y 9031003   18.25-   86   9.12-   38                        GLOB UNIF     WV 0 3
    2034 LOAD Z 9031003   18.25    14   9.12    06                        GLOB UNIF     WV 0 3
    2035 LOAD X 9061006    0.00-   29   9.12-   26                        GLOB UNIF     WV 0 3
    2036 LOAD Y 9061006    0.00-   54   9.12-   47                        GLOB UNIF     WV 0 3
    2037 LOAD Z 9061006    0.00-   09   9.12-   08                        GLOB UNIF     WV 0 3
    2038 LOAD X 9061006    9.12-   26   9.12-   20                        GLOB UNIF     WV 0 3
    2039 LOAD Y 9061006    9.12-   47   9.12-   35                        GLOB UNIF     WV 0 3
    2040 LOAD Z 9061006    9.12-   08   9.12-   06                        GLOB UNIF     WV 0 3
    2041 LOAD X 9061006   18.25-   20   5.77                             GLOB UNIF     WV 0 3
    2042 LOAD X 9061006   24.02         5.35    11                        GLOB UNIF     WV 0 3
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    2043 LOAD Y  9061006   18.25-   35   5.87                                   GLOB UNIF   WV 0 3
    2044 LOAD Y  9061006   24.12         3.25   19                              GLOB UNIF   WV 0 3
    2045 LOAD Z  9061006   18.25-   06   5.88                                   GLOB UNIF   WV 0 3
    2046 LOAD Z  9061006   24.13         3.24   03                              GLOB UNIF   WV 0 3
    2047 LOADCM  4
    2048 LOAD Y  401 510     0.00-  135                                         GLOB CONC   WN 0 4
    2049 LOAD X  401 510                                    0.00  70240 GLOB MOMT   WN 0 4
    2050 LOAD Y  403 511     0.00-  135                                         GLOB CONC   WN 0 4
    2051 LOAD X  403 511                                    0.00  70240 GLOB MOMT   WN 0 4
    2052 LOAD Y  406 512     0.00-  135                                         GLOB CONC   WN 0 4
    2053 LOAD X  406 512                                    0.00  70240 GLOB MOMT   WN 0 4
    2054 LOAD Y  401 510     0.00-  326                                         GLOB CONC   WN 0 4
    2055 LOAD X  401 510                                    0.00 189520 GLOB MOMT   WN 0 4
    2056 LOAD Y  403 511     0.00-  326                                         GLOB CONC   WN 0 4
    2057 LOAD X  403 511                                    0.00 189520 GLOB MOMT   WN 0 4
    2058 LOAD Y  406 512     0.00-  326                                         GLOB CONC   WN 0 4
    2059 LOAD X  406 512                                    0.00 189520 GLOB MOMT   WN 0 4
    2060 LOAD X  201 303    23.86   16   2.93   17                              GLOB UNIF   WV 0 4
    2061 LOAD Y  201 303    23.86-  155   2.93-  223                           GLOB UNIF   WV 0 4
    2062 LOAD Z  201 303    23.86-   31   2.93-   34                           GLOB UNIF   WV 0 4
    2063 LOAD X  201 303    26.79    17   2.93   18                            GLOB UNIF   WV 0 4
    2064 LOAD Y  201 303    26.79-  223   2.93-  243                           GLOB UNIF   WV 0 4
    2065 LOAD Z  201 303    26.79-   34   2.93-   35                           GLOB UNIF   WV 0 4
    2066 LOAD X  201 303    29.72    18   2.93   19                            GLOB UNIF   WV 0 4
    2067 LOAD Y  201 303    29.72-  263   2.93-  275                           GLOB UNIF   WV 0 4
    2068 LOAD Z  201 303    29.72-   35   2.93-   37                           GLOB UNIF   WV 0 4
    2069 LOAD X  203 306    19.72    43   4.31   59                            GLOB UNIF   WV 0 4
    2070 LOAD Y  203 306    19.72-   99   4.31-  124                           GLOB UNIF   WV 0 4
    2071 LOAD Z  203 306    19.72-  124   4.31-  150                           GLOB UNIF   WV 0 4
    2072 LOAD X  203 306    24.03    59   4.31   60                            GLOB UNIF   WV 0 4
    2073 LOAD Y  203 306    24.03-  124   4.31-  125                           GLOB UNIF   WV 0 4
    2074 LOAD Z  203 306    24.03-  150   4.31-  152                           GLOB UNIF   WV 0 4
    2075 LOAD X  203 306    20.34    60   4.31   57                            GLOB UNIF   WV 0 4
    2076 LOAD Y  203 306    20.34-  125   4.31-  122                           GLOB UNIF   WV 0 4
    2077 LOAD Z  203 306    20.34-  152   4.31-  149                           GLOB UNIF   WV 0 4
    2078 LOAD X  206 301    21.53-   64   3.71-   80                           GLOB UNIF   WV 0 4
    2079 LOAD Y  206 301    21.53-   40   3.71-   65                           GLOB UNIF   WV 0 4
    2080 LOAD Z  206 301    21.53    05   3.71    27                           GLOB UNIF   WV 0 4
    2081 LOAD X  206 301    25.23-   80   3.71-   99                           GLOB UNIF   WV 0 4
    2082 LOAD Y  206 301    25.23-   65   3.71-   88                           GLOB UNIF   WV 0 4
    2083 LOAD Z  206 301    25.23    27   3.71    51                           GLOB UNIF   WV 0 4
    2084 LOAD X  206 301    20.94-   99   3.71-  103                           GLOB UNIF   WV 0 4
    2085 LOAD Y  206 301    20.94-   88   3.71-   96                           GLOB UNIF   WV 0 4
    2086 LOAD Z  206 301    20.94    51   3.71    60                           GLOB UNIF   WV 0 4
    2087 LOAD X  301 403     0.00    05  20.33   07                            GLOB UNIF   WV 0 4
    2088 LOAD Y  301 403     0.00-  135  20.33-  176                           GLOB UNIF   WV 0 4
    2089 LOAD Z  301 403     0.00-   05  20.33-   08                           GLOB UNIF   WV 0 4
    2090 LOAD X  301 403    20.33    07  20.33    06                           GLOB UNIF   WV 0 4
    2091 LOAD Y  301 403    20.33-  176  20.33-  116                           GLOB UNIF   WV 0 4
    2092 LOAD Z  301 403    20.33-   08  20.33-   08                           GLOB UNIF   WV 0 4
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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    2093 LOAD Y  301 303    0.00-  116  29.00-  116                GLOB UNIF     WV 0 4
    2094 LOAD Z  301 303    0.00-   08  29.00-   08                GLOB UNIF     WV 0 4
    2095 LOAD X  303 305    0.00    50  14.50    50                GLOB UNIF     WV 0 4
    2096 LOAD Y  303 305    0.00-   29  14.50-   32                GLOB UNIF     WV 0 4
    2097 LOAD Z  303 305    0.00-   08  14.50-   16                GLOB UNIF     WV 0 4
    2098 LOAD X  303 305   14.50    56  14.50    50                GLOB UNIF     WV 0 4
    2099 LOAD Y  303 305   14.50-   32  14.50-   29                GLOB UNIF     WV 0 4
    2100 LOAD Z  303 305   14.50-   16  14.50-   23                GLOB UNIF     WV 0 4
    2101 LOAD X  301 306    0.00-   50  14.50-   56                GLOB UNIF     WV 0 4
    2102 LOAD Y  301 306    0.00-   29  14.50-   32                GLOB UNIF     WV 0 4
    2103 LOAD Z  301 306    0.00-   08  14.50-   16                GLOB UNIF     WV 0 4
    2104 LOAD X  301 306   14.50-   56  14.50-   50                GLOB UNIF     WV 0 4
    2105 LOAD Y  301 306   14.50-   32  14.50-   29                GLOB UNIF     WV 0 4
    2106 LOAD Z  301 306   14.50-   16  14.50-   23                GLOB UNIF     WV 0 4
    2107 LOAD Y  501 502    0.00-   70  15.15-   70                GLOB UNIF     WV 0 4
    2108 LOAD Z  501 502    0.00-   08  15.15-   08                GLOB UNIF     WV 0 4
    2109 LOAD Y  502 503    0.00-   70  15.15-   70                GLOB UNIF     WV 0 4
    2110 LOAD Z  502 503    0.00-   08  15.15-   08                GLOB UNIF     WV 0 4
    2111 LOAD X  503 505    0.00    30  15.15    30                GLOB UNIF     WV 0 4
    2112 LOAD Y  503 505    0.00-   17  15.15-   17                GLOB UNIF     WV 0 4
    2113 LOAD Z  503 505    0.00-   08  15.15-   08                GLOB UNIF     WV 0 4
    2114 LOAD X  505 506    0.00    30  15.15    29                GLOB UNIF     WV 0 4
    2115 LOAD Y  505 506    0.00-   17  15.15-   16                GLOB UNIF     WV 0 4
    2116 LOAD Z  505 506    0.00-   08  15.15-   10                GLOB UNIF     WV 0 4
    2117 LOAD X  501 504    0.00-   30  15.15-   30                GLOB UNIF     WV 0 4
    2118 LOAD Y  501 504    0.00-   17  15.15-   17                GLOB UNIF     WV 0 4
    2119 LOAD Z  501 504    0.00-   08  15.15-   08                GLOB UNIF     WV 0 4
    2120 LOAD X  504 506    0.00-   30  15.15-   29                GLOB UNIF     WV 0 4
    2121 LOAD Y  504 506    0.00-   17  15.15-   16                GLOB UNIF     WV 0 4
    2122 LOAD Z  504 506    0.00-   08  15.15-   10                GLOB UNIF     WV 0 4
    2123 LOAD X  502 504    0.00    24  15.15    24                GLOB UNIF     WV 0 4
    2124 LOAD Y  502 504    0.00-   14  15.15-   14                GLOB UNIF     WV 0 4
    2125 LOAD Z  502 504    0.00-   04  15.15-   05                GLOB UNIF     WV 0 4
    2126 LOAD X  502 505    0.00-   24  15.15-   24                GLOB UNIF     WV 0 4
    2127 LOAD Y  502 505    0.00-   14  15.15-   14                GLOB UNIF     WV 0 4
    2128 LOAD Z  502 505    0.00-   04  15.15-   05                GLOB UNIF     WV 0 4
    2129 LOAD Y  504 505    0.00-   55  15.14-   55                GLOB UNIF     WV 0 4
    2130 LOAD Z  504 505    0.00-   05  15.14-   05                GLOB UNIF     WV 0 4
    2131 LOAD X  501 513    0.00-   22   3.00-   22                GLOB UNIF     WV 0 4
    2132 LOAD Y  501 513    0.00-   39   3.00-   39                GLOB UNIF     WV 0 4
    2133 LOAD Z  501 513    0.00-   03   3.00-   03                GLOB UNIF     WV 0 4
    2134 LOAD X  503 514    0.00    22   3.00    22                GLOB UNIF     WV 0 4
    2135 LOAD Y  503 514    0.00-   39   3.00-   39                GLOB UNIF     WV 0 4
    2136 LOAD Z  503 514    0.00-   03   3.00-   03                GLOB UNIF     WV 0 4
    2137 LOAD Y  513 651    0.00-  193   6.00-  171                GLOB UNIF     WV 0 4
    2138 LOAD Y  513 651    6.00-  171   6.00-  153                GLOB UNIF     WV 0 4
    2139 LOAD Y  513 651   12.00-  153   6.00-  136                GLOB UNIF     WV 0 4
    2140 LOAD Y  514 653    0.00-  193   6.00-  171                GLOB UNIF     WV 0 4
    2141 LOAD Y  514 653    6.00-  171   6.00-  153                GLOB UNIF     WV 0 4
    2142 LOAD Y  514 653   12.00-  153   6.00-  136                GLOB UNIF     WV 0 4
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                                  1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    2183 LOAD Z  501 611    0.00-   04   6.00-   03                    GLOB UNIF    WV 0 4
    2184 LOAD Z  503 613    0.00-   04   6.00-   03                    GLOB UNIF    WV 0 4
    2185 LOAD Y  611 612    0.00-   44  16.01-   44                    GLOB UNIF    WV 0 4
    2186 LOAD Z  611 612    0.00-   02  16.01-   02                    GLOB UNIF    WV 0 4
    2187 LOAD Y  612 613    0.00-   44  16.01-   44                    GLOB UNIF    WV 0 4
    2188 LOAD Z  612 613    0.00-   02  16.01-   02                    GLOB UNIF    WV 0 4
    2189 LOAD Y  601 602    0.00-   78  17.75-   78                    GLOB UNIF    WV 0 4
    2190 LOAD Z  601 602    0.00-    1  17.75-    1                    GLOB UNIF    WV 0 4
    2191 LOAD Y  602 603    0.00-   78  17.75-   78                    GLOB UNIF    WV 0 4
    2192 LOAD Z  602 603    0.00-    1  17.75-    1                    GLOB UNIF    WV 0 4
    2193 LOAD X  611 601    0.00-   03   6.06-   03                    GLOB UNIF    WV 0 4
    2194 LOAD Y  611 601    0.00-  121   6.06-  109                    GLOB UNIF    WV 0 4
    2195 LOAD X  611 601    6.06-   03   6.06-   03                    GLOB UNIF    WV 0 4
    2196 LOAD Y  611 601    6.06-  109   6.06-   98                    GLOB UNIF    WV 0 4
    2197 LOAD Y  612 602    0.00-   77   6.00-   69                    GLOB UNIF    WV 0 4
    2198 LOAD Y  612 602    6.00-   69   6.00-   62                    GLOB UNIF    WV 0 4
    2199 LOAD X  613 603    0.00    03   6.06    03                    GLOB UNIF    WV 0 4
    2200 LOAD Y  613 603    0.00-  121   6.06-  109                    GLOB UNIF    WV 0 4
    2201 LOAD X  613 603    6.06    03   6.06    03                    GLOB UNIF    WV 0 4
    2202 LOAD Y  613 603    6.06-  109   6.06-   98                    GLOB UNIF    WV 0 4
    2203 LOAD X  501 642    0.00    08  10.12    08                    GLOB UNIF    WV 0 4
    2204 LOAD Y  501 642    0.00-   86  10.12-   78                    GLOB UNIF    WV 0 4
    2205 LOAD Z  501 642    0.00-   04  10.12-   04                    GLOB UNIF    WV 0 4
    2206 LOAD X  501 642   10.12    08  10.12    07                    GLOB UNIF    WV 0 4
    2207 LOAD Y  501 642   10.12-   78  10.12-   70                    GLOB UNIF    WV 0 4
    2208 LOAD Z  501 642   10.12-   04  10.12-   04                    GLOB UNIF    WV 0 4
    2209 LOAD X  503 645    0.00    21  10.12    18                    GLOB UNIF    WV 0 4
    2210 LOAD Y  503 645    0.00-   47  10.12-   42                    GLOB UNIF    WV 0 4
    2211 LOAD Z  503 645    0.00-   45  10.12-   41                    GLOB UNIF    WV 0 4
    2212 LOAD X  503 645   10.12    18  10.12    15                    GLOB UNIF    WV 0 4
    2213 LOAD Y  503 645   10.12-   42  10.12-   38                    GLOB UNIF    WV 0 4
    2214 LOAD Z  503 645   10.12-   41  10.12-   37                    GLOB UNIF    WV 0 4
    2215 LOAD X  505 644    0.00-   28   6.75-   27                    GLOB UNIF    WV 0 4
    2216 LOAD Y  505 644    0.00-   39   6.75-   37                    GLOB UNIF    WV 0 4
    2217 LOAD Z  505 644    0.00    23   6.75    22                    GLOB UNIF    WV 0 4
    2218 LOAD X  505 644    6.75-   27   6.75-   25                    GLOB UNIF    WV 0 4
    2219 LOAD Y  505 644    6.75-   37   6.75-   36                    GLOB UNIF    WV 0 4
    2220 LOAD Z  506 644    6.75    22   6.75    21                    GLOB UNIF    WV 0 4
    2221 LOAD X  505 644   13.49-   25   6.75-   24                    GLOB UNIF    WV 0 4
    2222 LOAD Y  505 644   13.49-   36   6.75-   34                    GLOB UNIF    WV 0 4
    2223 LOAD Z  505 644   13.49    21   6.75    20                    GLOB UNIF    WV 0 4
    2224 LOAD X  642 703    0.00    08   7.31    08                    GLOB UNIF    WV 0 4
    2225 LOAD Y  642 703    0.00-  104   7.31-   96                    GLOB UNIF    WV 0 4
    2226 LOAD Z  642 703    0.00-   03   7.31-   03                    GLOB UNIF    WV 0 4
    2227 LOAD X  642 703    7.31    08   7.31    07                    GLOB UNIF    WV 0 4
    2228 LOAD Y  642 703    7.31-   96   7.31-   89                    GLOB UNIF    WV 0 4
    2229 LOAD Z  642 703    7.31-   03   7.31-   03                    GLOB UNIF    WV 0 4
    2230 LOAD X  642 703   14.62    07   7.31    07                    GLOB UNIF    WV 0 4
    2231 LOAD Y  642 703   14.62-   89   7.31-   82                    GLOB UNIF    WV 0 4
    2232 LOAD Z  642 703   14.62-   03   7.31-   03                    GLOB UNIF    WV 0 4
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LINE NO.																				
2193	LOAD	X	645	706	0.00	24	7.31	22					GLOB	UNIF		WV	0	4		
2194	LOAD	Y	645	706	0.00-	55	7.31-	51					GLOB	UNIF		WV	0	4		
2195	LOAD	Z	645	706	0.00-	52	7.31-	48					GLOB	UNIF		WV	0	4		
2196	LOAD	X	645	706	7.31	22	7.31	20					GLOB	UNIF		WV	0	4		
2197	LOAD	Y	645	706	7.31-	51	7.31-	46					GLOB	UNIF		WV	0	4		
2198	LOAD	Z	645	706	7.31-	48	7.31-	44					GLOB	UNIF		WV	0	4		
2199	LOAD	X	645	706	14.62	20	7.31	18					GLOB	UNIF		WV	0	4		
2200	LOAD	Y	645	706	14.62-	46	7.31-	42					GLOB	UNIF		WV	0	4		
2201	LOAD	Z	645	706	14.62-	44	7.31-	40					GLOB	UNIF		WV	0	4		
2202	LOAD	X	644	701	0.00-	34	7.31-	31					GLOB	UNIF		WV	0	4		
2203	LOAD	Y	644	701	0.00-	53	7.31-	49					GLOB	UNIF		WV	0	4		
2204	LOAD	Z	644	701	0.00	34	7.31	32					GLOB	UNIF		WV	0	4		
2205	LOAD	X	644	701	7.31-	31	7.31-	29					GLOB	UNIF		WV	0	4		
2206	LOAD	Y	644	701	7.31-	49	7.31-	46					GLOB	UNIF		WV	0	4		
2207	LOAD	Z	644	701	7.31	32	7.31	30					GLOB	UNIF		WV	0	4		
2208	LOAD	X	644	701	14.62-	29	7.31-	27					GLOB	UNIF		WV	0	4		
2209	LOAD	Y	644	701	14.62-	46	7.31-	42					GLOB	UNIF		WV	0	4		
2210	LOAD	Z	644	701	14.62	30	7.31	28					GLOB	UNIF		WV	0	4		
2211	LOAD	Y	701	702	0.00-	54	18.76-	54					GLOB	UNIF		WV	0	4		
2212	LOAD	Z	701	702	0.00-	02	18.76-	02					GLOB	UNIF		WV	0	4		
2213	LOAD	Y	702	703	0.00-	54	18.76-	54					GLOB	UNIF		WV	0	4		
2214	LOAD	Z	702	703	0.00-	02	18.76-	02					GLOB	UNIF		WV	0	4		
2215	LOAD	X	703	705	0.00	23	18.76	24					GLOB	UNIF		WV	0	4		
2216	LOAD	Y	703	705	0.00-	13	18.76-	14					GLOB	UNIF		WV	0	4		
2217	LOAD	Z	703	705	0.00-	02	18.76-	03					GLOB	UNIF		WV	0	4		
2218	LOAD	X	705	706	0.00	24	18.75	23					GLOB	UNIF		WV	0	4		
2219	LOAD	Y	705	706	0.00-	14	18.75-	13					GLOB	UNIF		WV	0	4		
2220	LOAD	Z	705	706	0.00-	03	18.75-	03					GLOB	UNIF		WV	0	4		
2221	LOAD	X	701	704	0.00-	23	18.76-	24					GLOB	UNIF		WV	0	4		
2222	LOAD	Y	701	704	0.00-	13	18.76-	14					GLOB	UNIF		WV	0	4		
2223	LOAD	Z	701	704	0.00-	02	18.76-	03					GLOB	UNIF		WV	0	4		
2224	LOAD	X	704	706	0.00-	24	18.75-	23					GLOB	UNIF		WV	0	4		
2225	LOAD	Y	704	706	0.00-	14	18.75-	13					GLOB	UNIF		WV	0	4		
2226	LOAD	Z	704	706	0.00-	03	18.75-	03					GLOB	UNIF		WV	0	4		
2227	LOAD	X	702	704	0.00	21	18.76	21					GLOB	UNIF		WV	0	4		
2228	LOAD	Y	702	704	0.00-	12	18.76-	12					GLOB	UNIF		WV	0	4		
2229	LOAD	Z	702	704	0.00-	06	18.76-	07					GLOB	UNIF		WV	0	4		
2230	LOAD	X	702	705	0.00-	21	18.76-	21					GLOB	UNIF		WV	0	4		
2231	LOAD	Y	702	705	0.00-	12	18.76-	12					GLOB	UNIF		WV	0	4		
2232	LOAD	Z	702	705	0.00-	06	18.76-	07					GLOB	UNIF		WV	0	4		
2233	LOAD	Y	704	705	0.00-	48	18.76-	48					GLOB	UNIF		WV	0	4		
2234	LOAD	Z	704	705	0.00-	07	18.76-	07					GLOB	UNIF		WV	0	4		
2235	LOAD	X	701	806	0.00-	22	16.27-	19					GLOB	UNIF		WV	0	4		
2236	LOAD	Y	701	806	0.00-	39	16.27-	34					GLOB	UNIF		WV	0	4		
2237	LOAD	Z	701	806	0.00-	39	16.27-	35					GLOB	UNIF		WV	0	4		
2238	LOAD	X	701	806	16.27-	19	16.27-	16					GLOB	UNIF		WV	0	4		
2239	LOAD	Y	701	806	16.27-	34	16.27-	30					GLOB	UNIF		WV	0	4		
2240	LOAD	Z	701	806	16.27-	35	16.27-	30					GLOB	UNIF		WV	0	4		
2241	LOAD	X	701	806	32.55-	16	16.27-	14					GLOB	UNIF		WV	0	4		
2242	LOAD	Y	701	806	32.55-	30	16.27-	25					GLOB	UNIF		WV	0	4		

LINE NO.																					
2243	LOAD	Z	701	804	32.55-	30	16.27-	25							GLOB	UNIF		WV	0	4
2244	LOAD	X	703	801	0.00-	07	16.28-	06							GLOB	UNIF		WV	0	4
2245	LOAD	Y	703	801	0.00-	82	16.28-	72							GLOB	UNIF		WV	0	4
2246	LOAD	Z	703	801	0.00-	04	16.28-	03							GLOB	UNIF		WV	0	4
2247	LOAD	X	703	801	16.28-	06	16.28-	05							GLOB	UNIF		WV	0	4
2248	LOAD	Y	703	801	16.28-	72	16.28-	63							GLOB	UNIF		WV	0	4
2249	LOAD	Z	703	801	16.28-	03	16.28-	03							GLOB	UNIF		WV	0	4
2250	LOAD	X	703	801	32.55-	05	16.28-	04							GLOB	UNIF		WV	0	4
2251	LOAD	Y	703	801	32.55-	63	16.28-	56							GLOB	UNIF		WV	0	4
2252	LOAD	Z	703	801	32.55-	03	16.28-	02							GLOB	UNIF		WV	0	4
2253	LOAD	X	706	803	0.00	28	16.28	26							GLOB	UNIF		WV	0	4
2254	LOAD	Y	706	803	0.00-	34	16.28-	32							GLOB	UNIF		WV	0	4
2255	LOAD	Z	706	803	0.00	22	16.28	21							GLOB	UNIF		WV	0	4
2256	LOAD	X	706	803	16.28	26	16.28	23							GLOB	UNIF		WV	0	4
2257	LOAD	Y	706	803	16.28-	32	16.28-	29							GLOB	UNIF		WV	0	4
2258	LOAD	Z	706	803	16.28	21	16.28	19							GLOB	UNIF		WV	0	4
2259	LOAD	X	706	803	32.55	23	16.28	20							GLOB	UNIF		WV	0	4
2260	LOAD	Y	706	803	32.55-	29	16.28-	26							GLOB	UNIF		WV	0	4
2261	LOAD	Z	706	803	32.55	19	16.28	18							GLOB	UNIF		WV	0	4
2262	LOAD	Y	801	802	0.00-	36	22.51-	36							GLOB	UNIF		WV	0	4
2263	LOAD	Z	801	802	0.00-	1	22.51-	1							GLOB	UNIF		WV	0	4
2264	LOAD	Y	802	803	0.00-	36	22.51-	36							GLOB	UNIF		WV	0	4
2265	LOAD	Z	802	803	0.00-	1	22.51-	1							GLOB	UNIF		WV	0	4
2266	LOAD	X	803	805	0.00	16	22.51	16							GLOB	UNIF		WV	0	4
2267	LOAD	Y	803	805	0.00-	09	22.51-	09							GLOB	UNIF		WV	0	4
2268	LOAD	Z	803	805	0.00-	1	22.51-	02							GLOB	UNIF		WV	0	4
2269	LOAD	X	805	806	0.00	16	22.51	15							GLOB	UNIF		WV	0	4
2270	LOAD	Y	805	806	0.00-	09	22.51-	09							GLOB	UNIF		WV	0	4
2271	LOAD	Z	805	806	0.00-	02	22.51-	02							GLOB	UNIF		WV	0	4
2272	LOAD	X	801	804	0.00-	16	22.51-	16							GLOB	UNIF		WV	0	4
2273	LOAD	Y	801	804	0.00-	09	22.51-	09							GLOB	UNIF		WV	0	4
2274	LOAD	Z	801	804	0.00-	1	22.51-	02							GLOB	UNIF		WV	0	4
2275	LOAD	X	804	805	0.00-	16	22.51-	15							GLOB	UNIF		WV	0	4
2276	LOAD	Y	804	806	0.00-	09	22.51-	09							GLOB	UNIF		WV	0	4
2277	LOAD	Z	804	806	0.00-	02	22.51-	02							GLOB	UNIF		WV	0	4
2278	LOAD	X	802	804	0.00	14	22.52	14							GLOB	UNIF		WV	0	4
2279	LOAD	Y	802	804	0.00-	08	22.52-	08							GLOB	UNIF		WV	0	4
2280	LOAD	Z	802	804	0.00-	04	22.52-	05							GLOB	UNIF		WV	0	4
2281	LOAD	X	802	805	0.00-	14	22.52-	14							GLOB	UNIF		WV	0	4
2282	LOAD	Y	802	805	0.00-	08	22.52-	08							GLOB	UNIF		WV	0	4
2283	LOAD	Z	802	805	0.00-	04	22.52-	05							GLOB	UNIF		WV	0	4
2284	LOAD	Y	804	805	0.00-	33	22.52-	33							GLOB	UNIF		WV	0	4
2285	LOAD	Z	804	805	0.00-	05	22.52-	05							GLOB	UNIF		WV	0	4
2286	LOAD	X	801	903	0.00	04	18.04	04							GLOB	UNIF		WV	0	4
2287	LOAD	Y	801	903	0.00-	56	18.04-	50							GLOB	UNIF		WV	0	4
2288	LOAD	Z	801	903	0.00-	03	18.04-	02							GLOB	UNIF		WV	0	4
2289	LOAD	X	801	903	18.04	04	18.04	03							GLOB	UNIF		WV	0	4
2290	LOAD	Y	801	903	18.04-	50	18.04-	46							GLOB	UNIF		WV	0	4
2291	LOAD	Z	801	903	18.04-	02	18.04-	02							GLOB	UNIF		WV	0	4
2292	LOAD	X	801	903	37.28	03	18.04	03							GLOB	UNIF		WV	0	4

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                                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    2293 LOAD Y  801 903   37.28-   46  18.64-   42                        GLOB UNIF     WV 0 4
    2294 LOAD Z  801 903   37.28-   02  18.64-    1                        GLOB UNIF     WV 0 4
    2295 LOAD X  803 906    0.00    17  18.64    15                        GLOB UNIF     WV 0 4
    2296 LOAD Y  803 906    0.00-   24  18.64-   22                        GLOB UNIF     WV 0 4
    2297 LOAD Z  803 906    0.00-   25  18.64-   23                        GLOB UNIF     WV 0 4
    2298 LOAD X  803 905   18.64    15  18.64    13                        GLOB UNIF     WV 0 4
    2299 LOAD Y  803 905   18.64-   22  18.64-   19                        GLOB UNIF     WV 0 4
    2300 LOAD Z  803 905   18.64-   23  18.64-   20                        GLOB UNIF     WV 0 4
    2301 LOAD X  803 906   37.28    13  18.64    11                        GLOB UNIF     WV 0 4
    2302 LOAD Y  803 906   37.28-   19  18.64-   16                        GLOB UNIF     WV 0 4
    2303 LOAD Z  803 906   37.28-   20  18.64-   16                        GLOB UNIF     WV 0 4
    2304 LOAD X  806 901    0.00-   19  18.64-   18                        GLOB UNIF     WV 0 4
    2305 LOAD Y  806 901    0.00-   21  18.64-   21                        GLOB UNIF     WV 0 4
    2306 LOAD Z  806 901    0.00    13  18.64    14                        GLOB UNIF     WV 0 4
    2307 LOAD X  806 901   18.64-   18  18.64-   17                        GLOB UNIF     WV 0 4
    2308 LOAD Y  806 901   18.64-   21  18.64-   19                        GLOB UNIF     WV 0 4
    2309 LOAD Z  806 901   18.64    14  18.64    13                        GLOB UNIF     WV 0 4
    2310 LOAD X  806 901   37.28-   17  18.64-   15                        GLOB UNIF     WV 0 4
    2311 LOAD Y  806 901   37.28-   19  18.64-   16                        GLOB UNIF     WV 0 4
    2312 LOAD Z  806 901   37.28    13  18.64    13                        GLOB UNIF     WV 0 4
    2313 LOAD Y  901 902    0.00-   29  26.41-   29                        GLOB UNIF     WV 0 4
    2314 LOAD Z  901 902    0.00-    1  26.41-    1                        GLOB UNIF     WV 0 4
    2315 LOAD Y  902 903    0.00-   29  26.41-   29                        GLOB UNIF     WV 0 4
    2316 LOAD Z  902 903    0.00-    1  26.41-    1                        GLOB UNIF     WV 0 4
    2317 LOAD X  903 905    0.00    13  26.41    13                        GLOB UNIF     WV 0 4
    2318 LOAD Y  903 905    0.00-   07  26.41-   08                        GLOB UNIF     WV 0 4
    2319 LOAD Z  903 905    0.00-    1  26.41-    1                        GLOB UNIF     WV 0 4
    2320 LOAD X  905 906    0.00    13  26.41    12                        GLOB UNIF     WV 0 4
    2321 LOAD Y  905 906    0.00-   07  26.41-   07                        GLOB UNIF     WV 0 4
    2322 LOAD Z  905 906    0.00-    1  26.41-    1                        GLOB UNIF     WV 0 4
    2323 LOAD X  901 904    0.00-   13  26.41-   13                        GLOB UNIF     WV 0 4
    2324 LOAD Y  901 904    0.00-   07  26.41-   08                        GLOB UNIF     WV 0 4
    2325 LOAD Z  901 904    0.00-    1  26.41-    1                        GLOB UNIF     WV 0 4
    2326 LOAD X  904 906    0.00-   13  26.41-   12                        GLOB UNIF     WV 0 4
    2327 LOAD Y  904 906    0.00-   07  26.41-   07                        GLOB UNIF     WV 0 4
    2328 LOAD Z  904 905    0.00-    1  26.41-    1                        GLOB UNIF     WV 0 4
    2329 LOAD X  902 904    0.00    11  26.41    10                        GLOB UNIF     WV 0 4
    2330 LOAD Y  902 904    0.00-   08  26.41-   06                        GLOB UNIF     WV 0 4
    2331 LOAD Z  902 904    0.00-   02  26.41-   02                        GLOB UNIF     WV 0 4
    2332 LOAD X  902 905    0.00-   11  26.41-   10                        GLOB UNIF     WV 0 4
    2333 LOAD Y  902 905    0.00-   06  26.41-   06                        GLOB UNIF     WV 0 4
    2334 LOAD Z  902 905    0.00-   02  26.41-   02                        GLOB UNIF     WV 0 4
    2335 LOAD Y  904 905    0.00-   24  26.40-   24                        GLOB UNIF     WV 0 4
    2336 LOAD Z  904 905    0.00-   02  26.40-   02                        GLOB UNIF     WV 0 4
    2337 LOAD X  9011902    0.00    02  12.61    02                        GLOB UNIF     WV 0 4
    2338 LOAD Y  9011902    0.00-   33  12.61-   31                        GLOB UNIF     WV 0 4
    2339 LOAD Z  9011902    0.00     1  12.61     1                        GLOB UNIF     WV 0 4
    2340 LOAD X  9011902   12.61    02  12.61     1                        GLOB UNIF     WV 0 4
    2341 LOAD Y  9011902   12.61-   31  12.61-   27                        GLOB UNIF     WV 0 4
    2342 LOAD Z  9011902   12.61     1  12.61     1                        GLOB UNIF     WV 0 4
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LINE NO.  1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
2343  LOAD A  9011002  25.22     1  12.61                          GLOB UNIF  WV 0 4
2344  LOAD Y  9011002  25.22-   27  12.61-   04                    GLOB UNIF  WV 0 4
2345  LOAD Z  9011002  25.22     1  12.61                          GLOB UNIF  WV 0 4
2346  LOAD X  9031002   0.00-   02  12.61-   02                    GLOB UNIF  WV 0 4
2347  LOAD Y  9031002   0.00-   33  12.61-   31                    GLOB UNIF  WV 0 4
2348  LOAD Z  9031002   0.00     1  12.61     1                    GLOB UNIF  WV 0 4
2349  LOAD A  9031002  12.61-   02  12.61-   1                     GLOB UNIF  WV 0 4
2350  LOAD Y  9031002  12.61-   31  12.61-   27                    GLOB UNIF  WV 0 4
2351  LOAD Z  9031002  12.61     1  12.61     1                    GLOB UNIF  WV 0 4
2352  LOAD A  9031002  25.22-   1  12.61                          GLOB UNIF  WV 0 4
2353  LOAD Y  9031002  25.22-   27  12.61-   04                    GLOB UNIF  WV 0 4
2354  LOAD Z  9031002  25.22     1  12.61                          GLOB UNIF  WV 0 4
2355  LOAD X  9031005   0.00    06  12.61    06                    GLOB UNIF  WV 0 4
2356  LOAD Y  9031005   0.00-   21  12.61-   19                    GLOB UNIF  WV 0 4
2357  LOAD Z  9031005   0.00-   16  12.61-   15                    GLOB UNIF  WV 0 4
2358  LOAD A  9031005  12.61    06  12.61    05                    GLOB UNIF  WV 0 4
2359  LOAD Y  9031005  12.61-   19  12.61-   16                    GLOB UNIF  WV 0 4
2360  LOAD Z  9031005  12.61-   15  12.61-   13                    GLOB UNIF  WV 0 4
2361  LOAD X  9031005  25.23     05  12.61                         GLOB UNIF  WV 0 4
2362  LOAD Y  9031005  25.23-   16  12.61-   1                     GLOB UNIF  WV 0 4
2363  LOAD Z  9031005  25.23-   13  12.61-   1                     GLOB UNIF  WV 0 4
2364  LOAD X  9061005   0.00    08  12.61    07                    GLOB UNIF  WV 0 4
2365  LOAD Y  9061005   0.00-   20  12.61-   19                    GLOB UNIF  WV 0 4
2366  LOAD Z  9061005   0.00    12  12.61    12                    GLOB UNIF  WV 0 4
2367  LOAD X  9061005  12.61    07  12.61    06                    GLOB UNIF  WV 0 4
2368  LOAD Y  9061005  12.61-   19  12.61-   17                    GLOB UNIF  WV 0 4
2369  LOAD Z  9061005  12.61     12  12.61    10                    GLOB UNIF  WV 0 4
2370  LOAD X  9061005  25.22     06  12.61                         GLOB UNIF  WV 0 4
2371  LOAD Y  9061005  25.22-   17  12.61-   1                     GLOB UNIF  WV 0 4
2372  LOAD Z  9061005  25.22     10  12.61    1                    GLOB UNIF  WV 0 4
2373  LOAD X  9011004   0.00-   06  12.61-   06                    GLOB UNIF  WV 0 4
2374  LOAD Y  9011004   0.00-   21  12.61-   19                    GLOB UNIF  WV 0 4
2375  LOAD Z  9011004   0.00-   16  12.61-   15                    GLOB UNIF  WV 0 4
2376  LOAD X  9011004  12.61-   06  12.61-   05                    GLOB UNIF  WV 0 4
2377  LOAD Y  9011004  12.61-   19  12.61-   16                    GLOB UNIF  WV 0 4
2378  LOAD Z  9011004  12.61-   15  12.61-   13                    GLOB UNIF  WV 0 4
2379  LOAD X  9011004  25.23-   05  12.61                         GLOB UNIF  WV 0 4
2380  LOAD Y  9011004  25.23-   16  12.61-   1                     GLOB UNIF  WV 0 4
2381  LOAD Z  9011004  25.23-   13  12.61-   1                     GLOB UNIF  WV 0 4
2382  LOAD X  9061004   0.00-   08  12.61-   07                    GLOB UNIF  WV 0 4
2383  LOAD Y  9061004   0.00-   20  12.61-   19                    GLOB UNIF  WV 0 4
2384  LOAD Z  9061004   0.00    12  12.61    12                    GLOB UNIF  WV 0 4
2385  LOAD X  9061004  12.61-   07  12.61-   06                    GLOB UNIF  WV 0 4
2386  LOAD Y  9061004  12.61-   19  12.61-   17                    GLOB UNIF  WV 0 4
2387  LOAD Z  9061004  12.61     12  12.61    10                    GLOB UNIF  WV 0 4
2388  LOAD X  9061004  25.22-   06  12.61                         GLOB UNIF  WV 0 4
2389  LOAD Y  9061004  25.22-   17  12.61-   1                     GLOB UNIF  WV 0 4
2390  LOAD Z  9061004  25.22     10  12.61    1                    GLOB UNIF  WV 0 4
2391  LOAD Y 10011002   0.00-   05  30.31-   05                    GLOB UNIF  WV 0 4
2392  LOAD Y 10021003   0.00-   05  30.31-   05                    GLOB UNIF  WV 0 4
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                                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    2393 LOAD X 10031005     0.00      02  10.10      02                GLOB UNIF     WV 0 4
    2394 LOAD Y 10031005     0.00-      1  10.10-      1                GLOB UNIF     WV 0 4
    2395 LOAD X 10031005    10.10      02  10.10      02                GLOB UNIF     WV 0 4
    2396 LOAD Y 10031005    10.10-      1  10.10-      1                GLOB UNIF     WV 0 4
    2397 LOAD X 10031005    20.21      02  10.10       1                GLOB UNIF     WV 0 4
    2398 LOAD Y 10031005    20.21-      1  10.10-      1                GLOB UNIF     WV 0 4
    2399 LOAD X 10051006     0.00       1  10.10       1                GLOB UNIF     WV 0 4
    2400 LOAD Y 10051006     0.00-      1  10.10                        GLOB UNIF     WV 0 4
    2401 LOAD X 10051006    10.10       1  10.10                        GLOB UNIF     WV 0 4
    2402 LOAD X 10011004     0.00-     02  10.10-     02                GLOB UNIF     WV 0 4
    2403 LOAD Y 10011004     0.00-      1  10.10-      1                GLOB UNIF     WV 0 4
    2404 LOAD X 10011004    10.10-     02  10.10-     02                GLOB UNIF     WV 0 4
    2405 LOAD Y 10011004    10.10-      1  10.10-      1                GLOB UNIF     WV 0 4
    2406 LOAD X 10011004    20.21-     02  10.10-      1                GLOB UNIF     WV 0 4
    2407 LOAD Y 10011004    20.21-      1  10.10-      1                GLOB UNIF     WV 0 4
    2408 LOAD X 10041006     0.00-      1  10.10-      1                GLOB UNIF     WV 0 4
    2409 LOAD Y 10041006     0.00-      1  10.10                        GLOB UNIF     WV 0 4
    2410 LOAD X 10041006    10.10-      1  10.10                        GLOB UNIF     WV 0 4
    2411 LOAD X 10021004     0.00       1  10.10       1                GLOB UNIF     WV 0 4
    2412 LOAD Y 10021004     0.00-      1  10.10-      1                GLOB UNIF     WV 0 4
    2413 LOAD X 10021004    10.10       1  10.10       1                GLOB UNIF     WV 0 4
    2414 LOAD Y 10021004    10.10-      1  10.10-      1                GLOB UNIF     WV 0 4
    2415 LOAD X 10021004    20.21       1  10.10       1                GLOB UNIF     WV 0 4
    2416 LOAD Y 10021004    20.21-      1  10.10                        GLOB UNIF     WV 0 4
    2417 LOAD X 10021005     0.00-      1  10.10-      1                GLOB UNIF     WV 0 4
    2418 LOAD Y 10021005     0.00-      1  10.10-      1                GLOB UNIF     WV 0 4
    2419 LOAD X 10021005    10.10-      1  10.10-      1                GLOB UNIF     WV 0 4
    2420 LOAD Y 10021005    10.10-      1  10.10-      1                GLOB UNIF     WV 0 4
    2421 LOAD X 10021005    20.21-      1  10.10-      1                GLOB UNIF     WV 0 4
    2422 LOAD Y 10021005    20.21-      1  10.10                        GLOB UNIF     WV 0 4
    2423 LOAD Y 10041005     0.00-     02  30.30-     02                GLOB UNIF     WV 0 4
    2424 LOAD Y  201 301    10.96-     91   1.35-    139                GLOB UNIF     WV 0 4
    2425 LOAD Y  201 301    12.31-    139   1.35-    168                GLOB UNIF     WV 0 4
    2426 LOAD Y  201 301    13.65-    168   1.35-    176                GLOB UNIF     WV 0 4
    2427 LOAD Y  203 303    10.96-     91   1.35-    139                GLOB UNIF     WV 0 4
    2428 LOAD Y  203 303    12.31-    139   1.35-    168                GLOB UNIF     WV 0 4
    2429 LOAD Y  203 303    13.65-    168   1.35-    176                GLOB UNIF     WV 0 4
    2430 LOAD Y  206 306     7.62-     41   2.39-     89                GLOB UNIF     WV 0 4
    2431 LOAD Y  206 306    10.21-     89   2.39-    138                GLOB UNIF     WV 0 4
    2432 LOAD Y  206 306    12.81-    138   2.39-    160                GLOB UNIF     WV 0 4
    2433 LOAD Y  301 401     0.00-    176  14.25-    225                GLOB UNIF     WV 0 4
    2434 LOAD Y  301 401    14.25-    225  14.25-    151                GLOB UNIF     WV 0 4
    2435 LOAD Y  303 403     0.00-    176  14.25-    225                GLOB UNIF     WV 0 4
    2436 LOAD Y  303 403    14.25-    225  14.25-    151                GLOB UNIF     WV 0 4
    2437 LOAD Y  306 406     0.00-    160   9.50-    214                GLOB UNIF     WV 0 4
    2438 LOAD Y  306 406     9.50-    214   9.50-    193                GLOB UNIF     WV 0 4
    2439 LOAD Y  306 406    19.00-    193   9.50-    133                GLOB UNIF     WV 0 4
    2440 LOAD X  401 501     0.00-     13   4.56-     12                GLOB UNIF     WV 0 4
    2441 LOAD Y  401 501     0.00-    248   4.56-    228                GLOB UNIF     WV 0 4
    2442 LOAD Z  401 501     0.00      19   4.56      17                GLOB UNIF     WV 0 4
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LINE NO.	1	2	3	4	5	6	7	8
2443	LOAD X 403 503	0.00	13	4.56	12	GLOB UNIF	WV 0 4	
2444	LOAD Y 403 503	0.00-	248	4.56-	228	GLOB UNIF	WV 0 4	
2445	LOAD Z 403 503	0.00	19	4.56	17	GLOB UNIF	WV 0 4	
2446	LOAD Y 406 506	0.00-	213	4.56-	193	GLOB UNIF	WV 0 4	
2447	LOAD Z 406 506	0.00-	35	4.56-	32	GLOB UNIF	WV 0 4	
2448	LOAD X 501 601	0.00-	12	3.04-	12	GLOB UNIF	WV 0 4	
2449	LOAD Y 501 601	0.00-	228	3.04-	214	GLOB UNIF	WV 0 4	
2450	LOAD Z 501 601	0.00	17	3.04	16	GLOB UNIF	WV 0 4	
2451	LOAD X 501 601	3.04-	12	3.04-	11	GLOB UNIF	WV 0 4	
2452	LOAD Y 501 601	3.04-	214	3.04-	201	GLOB UNIF	WV 0 4	
2453	LOAD Z 501 601	3.04	16	3.04	15	GLOB UNIF	WV 0 4	
2454	LOAD X 503 603	0.00	12	3.04	12	GLOB UNIF	WV 0 4	
2455	LOAD Y 503 603	0.00-	228	3.04-	214	GLOB UNIF	WV 0 4	
2456	LOAD Z 503 603	0.00	17	3.04	16	GLOB UNIF	WV 0 4	
2457	LOAD X 503 603	3.04	12	3.04	11	GLOB UNIF	WV 0 4	
2458	LOAD Y 503 603	3.04-	214	3.04-	201	GLOB UNIF	WV 0 4	
2459	LOAD Z 503 603	3.04	16	3.04	15	GLOB UNIF	WV 0 4	
2460	LOAD Y 506 606	0.00-	193	3.04-	180	GLOB UNIF	WV 0 4	
2461	LOAD Z 506 606	0.00-	32	3.04-	30	GLOB UNIF	WV 0 4	
2462	LOAD Y 506 606	3.04-	180	3.04-	169	GLOB UNIF	WV 0 4	
2463	LOAD Z 506 606	3.04-	30	3.04-	28	GLOB UNIF	WV 0 4	
2464	LOAD X 601 641	0.00-	11	6.08-	10	GLOB UNIF	WV 0 4	
2465	LOAD Y 601 641	0.00-	201	6.08-	181	GLOB UNIF	WV 0 4	
2466	LOAD Z 601 641	0.00	15	6.08	14	GLOB UNIF	WV 0 4	
2467	LOAD X 603 643	0.00	11	6.08	10	GLOB UNIF	WV 0 4	
2468	LOAD Y 603 643	0.00-	201	6.08-	181	GLOB UNIF	WV 0 4	
2469	LOAD Z 603 643	0.00	15	6.08	14	GLOB UNIF	WV 0 4	
2470	LOAD Y 606 646	0.00-	169	6.08-	150	GLOB UNIF	WV 0 4	
2471	LOAD Z 606 646	0.00-	28	6.08-	25	GLOB UNIF	WV 0 4	
2472	LOAD X 641 651	0.00-	21	6.08-	19	GLOB UNIF	WV 0 4	
2473	LOAD Y 641 651	0.00-	278	6.08-	250	GLOB UNIF	WV 0 4	
2474	LOAD Z 641 651	0.00	20	6.08	18	GLOB UNIF	WV 0 4	
2475	LOAD X 643 653	0.00	21	6.08	19	GLOB UNIF	WV 0 4	
2476	LOAD Y 643 653	0.00-	278	6.08-	250	GLOB UNIF	WV 0 4	
2477	LOAD Z 643 653	0.00	20	6.08	18	GLOB UNIF	WV 0 4	
2478	LOAD Y 646 656	0.00-	212	6.08-	187	GLOB UNIF	WV 0 4	
2479	LOAD Z 646 656	0.00-	35	6.08-	31	GLOB UNIF	WV 0 4	
2480	LOAD X 651 701	0.00-	19	3.55-	18	GLOB UNIF	WV 0 4	
2481	LOAD Y 651 701	0.00-	251	3.55-	236	GLOB UNIF	WV 0 4	
2482	LOAD Z 651 701	0.00	18	3.55	17	GLOB UNIF	WV 0 4	
2483	LOAD X 651 701	3.55-	18	3.55-	17	GLOB UNIF	WV 0 4	
2484	LOAD Y 651 701	3.55-	236	3.55-	222	GLOB UNIF	WV 0 4	
2485	LOAD Z 651 701	3.55	17	3.55	16	GLOB UNIF	WV 0 4	
2486	LOAD X 653 703	0.00	19	3.55	18	GLOB UNIF	WV 0 4	
2487	LOAD Y 653 703	0.00-	251	3.55-	236	GLOB UNIF	WV 0 4	
2488	LOAD Z 653 703	0.00	18	3.55	17	GLOB UNIF	WV 0 4	
2489	LOAD X 653 703	3.55	18	3.55	17	GLOB UNIF	WV 0 4	
2490	LOAD Y 653 703	3.55-	236	3.55-	222	GLOB UNIF	WV 0 4	
2491	LOAD Z 653 703	3.55	17	3.55	16	GLOB UNIF	WV 0 4	
2492	LOAD Y 656 706	0.00-	187	3.55-	175	GLOB UNIF	WV 0 4	

LINE NO.																	
2493	LOAD	Z	654	706	0.00-	31	3.55-	29					GLOB	UNIF	WV	0	4
2494	LOAD	Y	654	706	3.55-	175	3.55-	162					GLOB	UNIF	WV	0	4
2495	LOAD	Z	654	706	3.55-	29	3.55-	27					GLOB	UNIF	WV	0	4
2496	LOAD	X	701	801	0.00-	15	8.79-	13					GLOB	UNIF	WV	0	4
2497	LOAD	Y	701	801	0.00-	209	8.79-	183					GLOB	UNIF	WV	0	4
2498	LOAD	Z	701	801	0.00	15	8.79	13					GLOB	UNIF	WV	0	4
2499	LOAD	X	701	801	8.79-	13	8.79-	11					GLOB	UNIF	WV	0	4
2500	LOAD	Y	701	801	8.79-	183	8.79-	163					GLOB	UNIF	WV	0	4
2501	LOAD	Z	701	801	8.79	13	8.79	12					GLOB	UNIF	WV	0	4
2502	LOAD	X	701	801	17.57-	11	8.79-	10					GLOB	UNIF	WV	0	4
2503	LOAD	Y	701	801	17.57-	163	8.79-	146					GLOB	UNIF	WV	0	4
2504	LOAD	Z	701	801	17.57	12	8.79	11					GLOB	UNIF	WV	0	4
2505	LOAD	X	703	803	0.00	15	8.79	13					GLOB	UNIF	WV	0	4
2506	LOAD	Y	703	803	0.00-	209	8.79-	183					GLOB	UNIF	WV	0	4
2507	LOAD	Z	703	803	0.00	15	8.79	13					GLOB	UNIF	WV	0	4
2508	LOAD	X	703	803	8.79	13	8.79	11					GLOB	UNIF	WV	0	4
2509	LOAD	Y	703	803	8.79-	183	8.79-	163					GLOB	UNIF	WV	0	4
2510	LOAD	Z	703	803	8.79	13	8.79	12					GLOB	UNIF	WV	0	4
2511	LOAD	X	703	803	17.57	11	8.79	10					GLOB	UNIF	WV	0	4
2512	LOAD	Y	703	803	17.57-	163	8.79-	146					GLOB	UNIF	WV	0	4
2513	LOAD	Z	703	803	17.57	12	8.79	11					GLOB	UNIF	WV	0	4
2514	LOAD	Y	706	806	0.00-	157	8.79-	133					GLOB	UNIF	WV	0	4
2515	LOAD	Z	706	806	0.00-	26	8.79-	22					GLOB	UNIF	WV	0	4
2516	LOAD	Y	706	806	8.79-	133	8.79-	114					GLOB	UNIF	WV	0	4
2517	LOAD	Z	706	806	8.79-	22	8.79-	19					GLOB	UNIF	WV	0	4
2518	LOAD	Y	706	806	17.57-	114	8.79-	98					GLOB	UNIF	WV	0	4
2519	LOAD	Z	706	806	17.57-	19	8.79-	16					GLOB	UNIF	WV	0	4
2520	LOAD	X	801	901	0.00-	10	9.12-	08					GLOB	UNIF	WV	0	4
2521	LOAD	Y	801	901	0.00-	146	9.12-	132					GLOB	UNIF	WV	0	4
2522	LOAD	Z	801	901	0.00	11	9.12	10					GLOB	UNIF	WV	0	4
2523	LOAD	X	801	901	9.12-	08	9.12-	07					GLOB	UNIF	WV	0	4
2524	LOAD	Y	801	901	9.12-	132	9.12-	121					GLOB	UNIF	WV	0	4
2525	LOAD	Z	801	901	9.12	10	9.12	09					GLOB	UNIF	WV	0	4
2526	LOAD	X	801	901	18.25-	07	9.12-	05					GLOB	UNIF	WV	0	4
2527	LOAD	Y	801	901	18.25-	121	9.12-	112					GLOB	UNIF	WV	0	4
2528	LOAD	Z	801	901	18.25	09	9.12	09					GLOB	UNIF	WV	0	4
2529	LOAD	X	803	903	0.00	10	9.12	08					GLOB	UNIF	WV	0	4
2530	LOAD	Y	803	903	0.00-	146	9.12-	132					GLOB	UNIF	WV	0	4
2531	LOAD	Z	803	903	0.00	11	9.12	10					GLOB	UNIF	WV	0	4
2532	LOAD	A	803	903	9.12	08	9.12	07					GLOB	UNIF	WV	0	4
2533	LOAD	Y	803	903	9.12-	132	9.12-	121					GLOB	UNIF	WV	0	4
2534	LOAD	Z	803	903	9.12	10	9.12	09					GLOB	UNIF	WV	0	4
2535	LOAD	X	803	903	18.25	07	9.12	05					GLOB	UNIF	WV	0	4
2536	LOAD	Y	803	903	18.25-	121	9.12-	112					GLOB	UNIF	WV	0	4
2537	LOAD	Z	803	903	18.25	09	9.12	09					GLOB	UNIF	WV	0	4
2538	LOAD	Y	806	906	0.00-	98	13.69-	78					GLOB	UNIF	WV	0	4
2539	LOAD	Z	806	906	0.00-	16	13.69-	13					GLOB	UNIF	WV	0	4
2540	LOAD	Y	806	906	13.69-	78	13.69-	63					GLOB	UNIF	WV	0	4
2541	LOAD	Z	806	906	13.69-	13	13.69-	11					GLOB	UNIF	WV	0	4
2542	LOAD	A	901	1001	0.00-	05	9.12-	04					GLOB	UNIF	WV	0	4

LINE NO.			1 1	2 2	3 3	4 4	5 5	6 6	7 7	8
2543	LOAD	Y	9011001	0.00- 112	9.12- 106			GLOB	UNIF	WV 0 4
2544	LOAD	Z	9011001	0.00 09	9.12 08			GLOB	UNIF	WV 0 4
2545	LOAD	X	9011001	9.12- 04	9.12- 02			GLOB	UNIF	WV 0 4
2546	LOAD	Y	9011001	9.12- 106	9.12- 95			GLOB	UNIF	WV 0 4
2547	LOAD	Z	9011001	9.12 08	9.12 08			GLOB	UNIF	WV 0 4
2548	LOAD	X	9011001	18.25- 02	9.12			GLOB	UNIF	WV 0 4
2549	LOAD	Y	9011001	18.25- 95	9.12- 36			GLOB	UNIF	WV 0 4
2550	LOAD	Z	9011001	18.25 08	9.12 03			GLOB	UNIF	WV 0 4
2551	LOAD	X	9031003	0.00 05	9.12 04			GLOB	UNIF	WV 0 4
2552	LOAD	Y	9031003	0.00- 112	9.12- 106			GLOB	UNIF	WV 0 4
2553	LOAD	Z	9031003	0.00 09	9.12 08			GLOB	UNIF	WV 0 4
2554	LOAD	X	9031003	9.12 04	9.12 02			GLOB	UNIF	WV 0 4
2555	LOAD	Y	9031003	9.12- 106	9.12- 95			GLOB	UNIF	WV 0 4
2556	LOAD	Z	9031003	9.12 08	9.12 08			GLOB	UNIF	WV 0 4
2557	LOAD	X	9031003	18.25 02	9.12			GLOB	UNIF	WV 0 4
2558	LOAD	Y	9031003	18.25- 95	9.12- 36			GLOB	UNIF	WV 0 4
2559	LOAD	Z	9031003	18.25 08	9.12 03			GLOB	UNIF	WV 0 4
2560	LOAD	Y	9061006	0.00- 83	9.12- 55			GLOB	UNIF	WV 0 4
2561	LOAD	Z	9061006	0.00- 11	9.12- 09			GLOB	UNIF	WV 0 4
2562	LOAD	Y	9061006	9.12- 55	9.12- 41			GLOB	UNIF	WV 0 4
2563	LOAD	Z	9061006	9.12- 09	9.12- 07			GLOB	UNIF	WV 0 4
2564	LOAD	Y	9061006	18.25- 41	5.42			GLOB	UNIF	WV 0 4
2565	LOAD	Y	9061006	24.17	5.20 22			GLOB	UNIF	WV 0 4
2566	LOAD	Z	9061006	18.25- 07	5.91			GLOB	UNIF	WV 0 4
2567	LOAD	Z	9061006	24.16	3.22 04			GLOB	UNIF	WV 0 4
2568	LOADCA		5							
2569	LOAD	Z	101 102	0.00 -.055	14.50 -.055			GLOB	UNIF	DL 0 5
2570	LOAD	Z	102 103	0.00 -.055	14.50 -.055			GLOB	UNIF	DL 0 5
2571	LOAD	Z	103 105	0.00 -.055	14.49 -.055			GLOB	UNIF	DL 0 5
2572	LOAD	Z	105 106	0.00 -.055	14.50 -.055			GLOB	UNIF	DL 0 5
2573	LOAD	Z	101 104	0.00 -.055	14.49 -.055			GLOB	UNIF	DL 0 5
2574	LOAD	Z	104 106	0.00 -.055	14.50 -.055			GLOB	UNIF	DL 0 5
2575	LOAD	Z	102 104	0.00 -.024	14.49 -.024			GLOB	UNIF	DL 0 5
2576	LOAD	Z	102 105	0.00 -.024	14.49 -.024			GLOB	UNIF	DL 0 5
2577	LOAD	Z	104 105	0.00 -.024	14.50 -.024			GLOB	UNIF	DL 0 5
2578	LOAD	Z	106 201	0.00 -.065	32.65 -.065			GLOB	UNIF	DL 0 5
2579	LOAD	Z	201 202	0.00 -.055	14.50 -.055			GLOB	UNIF	DL 0 5
2580	LOAD	Z	202 203	0.00 -.055	14.50 -.055			GLOB	UNIF	DL 0 5
2581	LOAD	Z	203 205	0.00 -.073	14.49 -.073			GLOB	UNIF	DL 0 5
2582	LOAD	Z	205 206	0.00 -.073	14.50 -.073			GLOB	UNIF	DL 0 5
2583	LOAD	Z	201 204	0.00 -.055	14.49 -.055			GLOB	UNIF	DL 0 5
2584	LOAD	Z	204 206	0.00 -.055	14.50 -.055			GLOB	UNIF	DL 0 5
2585	LOAD	Z	202 204	0.00 -.024	14.49 -.024			GLOB	UNIF	DL 0 5
2586	LOAD	Z	202 205	0.00 -.024	14.49 -.024			GLOB	UNIF	DL 0 5
2587	LOAD	Z	204 205	0.00 -.024	14.50 -.024			GLOB	UNIF	DL 0 5
2588	LOAD	Z	201 303	0.00 -.096	28.73 -.096			GLOB	UNIF	DL 0 5
2589	LOAD	Z	201 303	28.73 -.039	3.92 -.039			GLOB	UNIF	DL 0 5
2590	LOAD	Z	203 306	0.00 -.096	28.73 -.096			GLOB	UNIF	DL 0 5
2591	LOAD	Z	203 306	28.73 -.039	3.92 -.039			GLOB	UNIF	DL 0 5
2592	LOAD	Z	206 301	0.00 -.096	28.73 -.096			GLOB	UNIF	DL 0 5

LINE NO.																					
2593	LOAD	Z	206	301	28.73	-.039	3.92	-.039					GLOB	UNIF		DL	0	5			
2594	LOAD	Z	301	403	0.00	-.009	40.66	-.009					GLOB	UNIF		DL	0	5			
2595	LOAD	Z	301	303	0.00	-.009	29.00	-.009					GLOB	UNIF		DL	0	5			
2596	LOAD	Z	303	306	0.00	-.009	29.00	-.009					GLOB	UNIF		DL	0	5			
2597	LOAD	Z	301	306	0.00	-.009	29.00	-.009					GLOB	UNIF		DL	0	5			
2598	LOAD	Z	501	502	0.00	-.013	15.15	-.013					GLOB	UNIF		DL	0	5			
2599	LOAD	Z	502	503	0.00	-.013	15.15	-.013					GLOB	UNIF		DL	0	5			
2600	LOAD	Z	503	505	0.00	-.013	15.15	-.013					GLOB	UNIF		DL	0	5			
2601	LOAD	Z	505	506	0.00	-.013	15.15	-.013					GLOB	UNIF		DL	0	5			
2602	LOAD	Z	501	504	0.00	-.013	15.15	-.013					GLOB	UNIF		DL	0	5			
2603	LOAD	Z	504	506	0.00	-.013	15.15	-.013					GLOB	UNIF		DL	0	5			
2604	LOAD	Z	502	504	0.00	-.009	15.15	-.009					GLOB	UNIF		DL	0	5			
2605	LOAD	Z	502	505	0.00	-.009	15.15	-.009					GLOB	UNIF		DL	0	5			
2606	LOAD	Z	504	505	0.00	-.009	15.14	-.009					GLOB	UNIF		DL	0	5			
2607	LOAD	Z	501	507	0.00	-.148	2.00	-.148					GLOB	UNIF		DL	0	5			
2608	LOAD	Z	507	510	0.00	-.148	2.00	-.148					GLOB	UNIF		DL	0	5			
2609	LOAD	Z	503	508	0.00	-.148	2.00	-.148					GLOB	UNIF		DL	0	5			
2610	LOAD	Z	508	511	0.00	-.148	2.00	-.148					GLOB	UNIF		DL	0	5			
2611	LOAD	Z	506	509	0.00	-.148	2.01	-.148					GLOB	UNIF		DL	0	5			
2612	LOAD	Z	509	512	0.00	-.148	2.01	-.148					GLOB	UNIF		DL	0	5			
2613	LOAD	Z	501	513	0.00	-.009	3.00	-.009					GLOB	UNIF		DL	0	5			
2614	LOAD	Z	503	514	0.00	-.009	3.00	-.009					GLOB	UNIF		DL	0	5			
2615	LOAD	Z	513	651	0.00	.020	18.00	.020					GLOB	UNIF		DL	0	5			
2616	LOAD	Z	514	653	0.00	.020	18.00	.020					GLOB	UNIF		DL	0	5			
2617	LOAD	Z	601	611	0.00	-.049	6.00	-.049					GLOB	UNIF		DL	0	5			
2618	LOAD	Z	603	613	0.00	-.049	6.00	-.049					GLOB	UNIF		DL	0	5			
2619	LOAD	Z	651	601	0.00	-.049	5.00	-.049					GLOB	UNIF		DL	0	5			
2620	LOAD	Z	653	603	0.00	-.049	5.00	-.049					GLOB	UNIF		DL	0	5			
2621	LOAD	Z	611	612	0.00	-.017	16.01	-.017					GLOB	UNIF		DL	0	5			
2622	LOAD	Z	612	613	0.00	-.017	16.01	-.017					GLOB	UNIF		DL	0	5			
2623	LOAD	Z	601	602	0.00	-.017	17.75	-.017					GLOB	UNIF		DL	0	5			
2624	LOAD	Z	602	603	0.00	-.017	17.75	-.017					GLOB	UNIF		DL	0	5			
2625	LOAD	Z	611	601	0.00	-.049	12.13	-.049					GLOB	UNIF		DL	0	5			
2626	LOAD	Z	612	602	0.00	-.049	12.00	-.049					GLOB	UNIF		DL	0	5			
2627	LOAD	Z	613	603	0.00	-.049	12.13	-.049					GLOB	UNIF		DL	0	5			
2628	LOAD	Z	501	642	0.00	.010	20.25	.010					GLOB	UNIF		DL	0	5			
2629	LOAD	Z	503	645	0.00	.010	20.25	.010					GLOB	UNIF		DL	0	5			
2630	LOAD	Z	506	648	0.00	.010	20.24	.010					GLOB	UNIF		DL	0	5			
2631	LOAD	Z	642	703	0.00	.010	21.93	.010					GLOB	UNIF		DL	0	5			
2632	LOAD	Z	645	705	0.00	.010	21.93	.010					GLOB	UNIF		DL	0	5			
2633	LOAD	Z	648	701	0.00	.010	21.94	.010					GLOB	UNIF		DL	0	5			
2634	LOAD	Z	701	702	0.00	.007	18.76	.007					GLOB	UNIF		DL	0	5			
2635	LOAD	Z	702	703	0.00	.007	18.76	.007					GLOB	UNIF		DL	0	5			
2636	LOAD	Z	703	705	0.00	.007	18.76	.007					GLOB	UNIF		DL	0	5			
2637	LOAD	Z	705	706	0.00	.007	18.75	.007					GLOB	UNIF		DL	0	5			
2638	LOAD	Z	701	704	0.00	.007	18.76	.007					GLOB	UNIF		DL	0	5			
2639	LOAD	Z	704	706	0.00	.007	18.75	.007					GLOB	UNIF		DL	0	5			
2640	LOAD	Z	701	707	0.00	-.148	2.00	-.148					GLOB	UNIF		DL	0	5			
2641	LOAD	Z	707	710	0.00	-.148	2.00	-.148					GLOB	UNIF		DL	0	5			
2642	LOAD	Z	703	708	0.00	-.148	2.00	-.148					GLOB	UNIF		DL	0	5			

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LINE NU. 1...5....0....5....0....5....0....
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                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    2693 LOAD Z 10031008     0.00  -.148  1.99  -.148                GLOB UNIF     DL 0 5
    2694 LOAD Z 10061011     0.00  -.148  1.99  -.148                GLOB UNIF     DL 0 5
    2695 LOAD Z 10051009     0.00  -.148  2.01  -.148                GLOB UNIF     DL 0 5
    2696 LOAD Z 10091012     0.00  -.148  2.01  -.148                GLOB UNIF     DL 0 5
    2697 LOAD Z  101 201     0.00  -.310 15.00  -.310                GLOB UNIF     DL 0 5
    2698 LOAD Z  103 203     0.00  -.310 15.00  -.310                GLOB UNIF     DL 0 5
    2699 LOAD Z  106 206     0.00  -.310 15.00  -.310                GLOB UNIF     DL 0 5
    2700 LOAD Z  201 301     0.00  -.310 13.20  -.310                GLOB UNIF     DL 0 5
    2701 LOAD Z  201 301    13.20   .004  1.80   .004                GLOB UNIF     DL 0 5
    2702 LOAD Z  203 303     0.00  -.310 13.20  -.310                GLOB UNIF     DL 0 5
    2703 LOAD Z  203 303    13.20   .004  1.80   .004                GLOB UNIF     DL 0 5
    2704 LOAD Z  206 306     0.00  -.310 13.20  -.310                GLOB UNIF     DL 0 5
    2705 LOAD Z  206 306    13.20   .004  1.80   .004                GLOB UNIF     DL 0 5
    2706 LOAD Z  301 401     0.00   .004 28.50   .004                GLOB UNIF     DL 0 5
    2707 LOAD Z  303 403     0.00   .004 28.50   .004                GLOB UNIF     DL 0 5
    2708 LOAD Z  306 406     0.00   .004 28.50   .004                GLOB UNIF     DL 0 5
    2709 LOAD Z  401 501     0.00  -.423  4.56  -.423                GLOB UNIF     DL 0 5
    2710 LOAD Z  403 503     0.00  -.423  4.56  -.423                GLOB UNIF     DL 0 5
    2711 LOAD Z  406 506     0.00  -.423  4.56  -.423                GLOB UNIF     DL 0 5
    2712 LOAD Z  501 601     0.00  -.423  6.08  -.423                GLOB UNIF     DL 0 5
    2713 LOAD Z  503 603     0.00  -.423  6.08  -.423                GLOB UNIF     DL 0 5
    2714 LOAD Z  506 606     0.00  -.423  6.08  -.423                GLOB UNIF     DL 0 5
    2715 LOAD Z  601 641     0.00  -.423  6.08  -.423                GLOB UNIF     DL 0 5
    2716 LOAD Z  603 643     0.00  -.423  6.08  -.423                GLOB UNIF     DL 0 5
    2717 LOAD Z  606 646     0.00  -.423  6.08  -.423                GLOB UNIF     DL 0 5
    2718 LOAD Z  641 651     0.00  -.423  6.08  -.423                GLOB UNIF     DL 0 5
    2719 LOAD Z  643 653     0.00  -.423  6.08  -.423                GLOB UNIF     DL 0 5
    2720 LOAD Z  646 656     0.00  -.423  6.08  -.423                GLOB UNIF     DL 0 5
    2721 LOAD Z  651 701     0.00  -.423  7.10  -.423                GLOB UNIF     DL 0 5
    2722 LOAD Z  653 703     0.00  -.423  7.10  -.423                GLOB UNIF     DL 0 5
    2723 LOAD Z  656 706     0.00  -.423  7.10  -.423                GLOB UNIF     DL 0 5
    2724 LOAD Z  701 801     0.00  -.209 26.36  -.209                GLOB UNIF     DL 0 5
    2725 LOAD Z  703 803     0.00  -.209 26.36  -.209                GLOB UNIF     DL 0 5
    2726 LOAD Z  706 806     0.00  -.209 26.36  -.209                GLOB UNIF     DL 0 5
    2727 LOAD Z  801 901     0.00  -.209 27.37  -.209                GLOB UNIF     DL 0 5
    2728 LOAD Z  803 903     0.00  -.209 27.37  -.209                GLOB UNIF     DL 0 5
    2729 LOAD Z  806 906     0.00  -.209 27.37  -.209                GLOB UNIF     DL 0 5
    2730 LOAD Z 9011001      0.00  -.209 27.37  -.209                GLOB UNIF     DL 0 5
    2731 LOAD Z 9031003      0.00  -.209 27.37  -.209                GLOB UNIF     DL 0 5
    2732 LOAD Z 9061006      0.00  -.209 27.37  -.209                GLOB UNIF     DL 0 5
    2733 LOAD Z  401 510     0.00  -.654  4.55  -.654                GLOB UNIF     DL 0 5
    2734 LOAD Z  403 511     0.00  -.654  4.55  -.654                GLOB UNIF     DL 0 5
    2735 LOAD Z  406 512     0.00  -.654  4.55  -.654                GLOB UNIF     DL 0 5
    2736 LOAD Z  510 710     0.00  -.654 25.34  -.654                GLOB UNIF     DL 0 5
    2737 LOAD Z  511 711     0.00  -.654 25.34  -.654                GLOB UNIF     DL 0 5
    2738 LOAD Z  512 712     0.00  -.654 25.35  -.654                GLOB UNIF     DL 0 5
    2739 LOAD Z  710 810     0.00  -.743 26.36  -.743                GLOB UNIF     DL 0 5
    2740 LOAD Z  711 811     0.00  -.743 26.36  -.743                GLOB UNIF     DL 0 5
    2741 LOAD Z  712 812     0.00  -.743 26.36  -.743                GLOB UNIF     DL 0 5
    2742 LOAD Z  810 910     0.00  -.743 27.37  -.743                GLOB UNIF     DL 0 5
```

```
LINE NO.  1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
   2743  LOAD 4  811 911    0.00  -.743  27.37  -.743                GLOB UNIF     DL 0 5
   2744  LOAD 4  812 912    0.00  -.743  27.37  -.743                GLOB UNIF     DL 0 5
   2745  LOAD 4  9101010    0.00  -.874  27.37  -.874                GLOB UNIF     DL 0 5
   2746  LOAD 4  9111011    0.00  -.874  27.37  -.874                GLOB UNIF     DL 0 5
   2747  LOAD 4  9121012    0.00  -.874  27.37  -.874                GLOB UNIF     DL 0 5
   2748  END
```

APPENDIX B.2

STRAN - 50 Year Storm

```
                    ********************************************
                    *                                          *
                    *                  SIMAN                   *
                    *  A SYNERCOM TECHNOLOGY, INC. DEVELOPMENT *
                    *              RELEASE 6  MOD 14           *
                    *                 JUNE 1976                *
                    *                                          *
                    ********************************************

                                                                                DATE  08/27/76
        U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
                                PLATFORM ANALYSIS
                LOAD COND  1  =   50.0 DEG  50 YR STORM - WAVE/WIND ON PLATFORM
                LOAD COND  2  =   90.0 DEG  50 YR STORM - WAVE/WIND ON PLATFORM
                LOAD COND  3  =  240.0 DEG  50 YR STORM - WAVE/WIND ON PLATFORM
                LOAD COND  4  =  270.0 DEG  50 YR STORM - WAVE/WIND ON PLATFORM
                LOAD COND  5  =          DEAD LOAD ON JACKET                *
                LOAD COND  6  =            1     +     5                     *
                LOAD COND  7  =            2     +     5                     *
                LOAD COND  8  =            3     +     5                     *
                LOAD COND  9  =            4     +     5                     *
                                AUGUST, 1976

                            ***PROGRAM OPTIONS***

    THE FOLLOWING OPTIONS HAVE BEEN REQUESTED FOR THIS ANALYSIS

    INPUT
        ....CARD PLUS DATA FILE INPUT

    INPUT UNITS
        ....ENGLISH

    OUTPUT UNITS
        ....ENGLISH

    EXECUTION
        ....UNITY CHECK
            ..UNITY CHECKS COMPUTED BY AMERICAN PETROLEUM
              INSTITUTE REPORT API-RP-2A, JAN 75, SECTIONS
              2.18, 2.19.  RESULTS INVALID FOR A514 STEEL.
        ....NO. OF SEGMENTS          4
        ....PARAL MEMB, SEGMENTS/SECT 1

    LOAD
        ....NO. BASIC LOAD CONDS.     5
        ....NO. COMBINED LOAD CONDS.  4

    REPORT
        ....INPUT ECHO AND GROUP PROP        PRINT
        ....JOINT DEFLECTIONS                PRINT
        ....GROUP AND UN CHK SUMMARY         PRINT
        ....MEMBER STRESS REPORT NO.  1      PRINT
        ....MEMBER STRESS REPORT NO.  2      PRINT
        ....MEMBER STRESS REPORT NO.  3      PRINT
        ....MEMBER DETAIL REPORT             PRINT
        ....REACTION FORCES AND MOMTS        PRINT
        ....BUILDUP IN CHECK                 PRINT
```

....FORCES 50.00 LB
....MOMENTS 100.00 IN-LB

ALLOWABLE STRESS INCREASE FACTORS

....LOAD CONDITION	6	1.330
....LOAD CONDITION	7	1.330
....LOAD CONDITION	8	1.330
....LOAD CONDITION	9	1.330

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
TUBULAR MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	WT IN.	OD IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	SHEAR AREA IN2	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***													
086	1	=0.00	.500	8.62	12.75	211.04	105.52	105.52	36.0	1.0	1.0	6.38	=0.00
100	1	=0.00	.844	10.75	26.27	649.04	324.52	324.52	36.0	1.0	1.0	13.13	=0.00
120	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	1.0	9.62	=0.00
120	1	=0.00	.750	12.75	28.27	1021.85	510.93	510.93	36.0	.8	1.0	14.14	=0.00
123	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	=0.00
125	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	=0.00
127	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	=0.00
137	1	=0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.6	.8	7.29	=0.00
148	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	=0.00
149	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	=0.00
160	1	=0.00	.375	14.00	16.05	745.52	372.76	372.76	36.0	.8	.8	8.03	=0.00
165	1	=0.00	.625	16.00	30.19	1787.03	893.52	893.52	36.0	.8	.8	15.09	=0.00
165	1	=0.00	.625	16.00	30.19	1787.03	893.52	893.52	36.0	.8	1.0	15.09	=0.00
188	1	=0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.6	.8	7.29	=0.00
189	1	=0.00	.500	14.00	21.21	967.51	483.76	483.76	36.0	1.6	.8	10.60	=0.00
200	1	=0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	.8	.8	19.02	=0.00
200	1	=0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	1.6	.8	19.02	=0.00
GKL	1	=0.00	1.000	30.00	91.11	19177.85	9588.93	9588.93	36.0	1.0	1.0	45.55	=0.00
P1	1	=0.00	1.750	42.00	221.29	89793.68	44896.84	44896.84	36.0	1.0	1.0	110.64	=0.00
P2	1	=0.00	2.000	42.00	251.33	100702.29	50391.15	50391.15	36.0	1.0	1.0	125.66	=0.00
P3	1	=0.00	2.375	42.00	295.65	116471.24	58235.62	58235.62	36.0	1.0	1.0	147.83	=0.00
JL4	1	=0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	=0.00
JL5	1	=0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	=0.00
JL6	1	=0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	=0.00
JL7	1	=0.00	.500	45.50	70.69	35769.12	17884.56	17884.56	36.0	.8	1.0	35.34	=0.00
JL8	1	=0.00	.500	45.50	70.69	35769.12	17884.56	17884.56	36.0	.8	1.0	35.34	=0.00
JL9	1	=0.00	.500	45.50	70.69	35769.12	17884.56	17884.56	36.0	.8	1.0	35.34	=0.00
JUM	1	=0.00	.500	16.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	1.0	13.74	=0.00

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
WIDE FLANGE/WIDE FLANGE COMPACT MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	FLANGE THICK IN.	FLANGE WIDTH IN.	WEB THICK IN.	FILET RADIUS IN.	DEPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	LB FT.	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***																
W18	1	-0.00	.570	7.50	.358	.500	18.00	16.20	1.25	802.00	40.20	36.0	2.0	.5	.01	-0.00
W08	1	-0.00	.398	8.50	.245	.500	7.93	7.06	.34	82.50	18.20	36.0	1.0	1.0	.01	-0.00
W21	1	-0.00	.730	8.30	.455	.640	21.24	21.50	3.02	1600.00	70.60	36.0	2.0	.5	.01	-0.00

STRAN - GROUP PROPERTIES REPORT

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
PRISMATIC SECTION MEMBERS

*** E = 29000000.0 PSI, G = 11600000.0 PSI ***

GRP	M/S	JOINT THICK FT.	Z-DPTH IN.	Y-DPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	INPUT SEC LEN FT.
MBR	1	=0.00	10.00	5.00	50.00	30000.00	30000.00	30000.00	36.0	1.0	1.0	=0.00

S T R A N I N P U T D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1  OPTIONS 6 7 8 9
    2  AMOD
    3  AMOD      6 1.33    7 1.33    8 1.33    9 1.33
    4  SECT
    5  SECT W15MBUN    PRI  5000 3000000 3000000 3000000  1000          500
    6  SECT W15X50     WFG  1620     125   80200    4020   750  570  1800  358  50
    7  SECT W8X24      WFG   706      34    8250    1820   650  398   793  245  50
    8  SECT W8X15      WFG   456      11    3010     967   600  269   600  235  50
    9  SECT W21X73     WFG  2150     302  100000    7060   830 0740  2124 0455 064
   10  GROUP
   11  GROUP 050            862  500  29  116  36        100 100       5000
   12  GROUP 100           1075  844  29  116  36        100 100       5000
   13  GROUP 120           1275  500  29  116  36         80 100       5000
   14  GROUP 120           1275  750                     80 100       5000
   15  GROUP 125           1275  500  29  116  36         80  80       5000
   16  GROUP 125           1275  500  29  116  36         80  80       5000
   17  GROUP 127           1075  365                     80  80       5000
   18  GROUP 137           1275  375                    100  80       5000
   19  GROUP 140           1075  365                     80  80       5000
   20  GROUP 149           1075  365                     80  80       5000
   21  GROUP 140           1400  375  29  116  36         80  80       5000
   22  GROUP 150           1800  625                     80  80       5000
   23  GROUP 165           1800  625                     80 100       5000
   24  GROUP 150           1275  375                    100  80       5000
   25  GROUP 169           1400  500                    100  80       5000
   26  GROUP 200           2000  625  29  116  36         80  80       5000
   27  GROUP 200           2000  625  29  116  36        100  80       5000
   28  GROUP UAL           3000 1000  29  116  36        100 100       5000
   29  GROUP  P1           4200 1750  29  116  36        100 100       5000
   30  GROUP  P2           4200 2000  29  116  36        100 100       5000
   31  GROUP  P3           4200 2375                    100 100       5000
   32  GROUP JL4           4650 1000                     80 100       5000
   33  GROUP JL5           4650 1000                     80 100       5000
   34  GROUP JL6           4650 1000                     80 100       5000
   35  GROUP JL7           4550  500                     80 100       5000
   36  GROUP JL8           4550  500                     80 100       5000
   37  GROUP JL9           4550  500                     80 100       5000
   38  GROUP BUM           1800  500  29  116  36        100 100       5000
   39  GROUP WBN W15MBUN                29  116  36
   40  GROUP W10 W15X50                 29  116  36        200  50  01
   41  GROUP W08 W8X24                  29  116  36        100 100  01
   42  GROUP W21 W21X73                 29  116  36        200  50  01
   43  MEMBER
   44  MEMBER  101 102 W18                                                1800
   45  MEMBER  102 103 W18                                                1800
   46  MEMBER  103 105 W18                                                1800
   47  MEMBER  105 106 W18                                                1800
   48  MEMBER  101 104 W18                                                1800
   49  MEMBER  104 106 W18                                                1800
```

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
50	MEMBER 102 104 ACM												0800		
51	MEMBER 102 105 ACM												0800		
52	MEMBER 104 105 ACM												0800		
53	MEMBER 104 201 120SK		111		111								2400		
54	MEMBER 201 202 ACM												1600		
55	MEMBER 202 203 ACM												1600		
56	MEMBER 203 205 AC1												2100		
57	MEMBER 205 206 AC1												2100		
58	MEMBER 201 204 ACM												1600		
59	MEMBER 204 206 ACM												1600		
60	MEMBER 202 204 ACM												0800		
61	MEMBER 202 205 ACM												0800		
62	MEMBER 204 205 ACM												0800		
63	MEMBER 201 303 120												4300		
64	MEMBER 203 304 120												4300		
65	MEMBER 204 301 120												4300		
66	MEMBER 301 303 120SK		111		111								2400		
67	MEMBER 301 303 123												2100		
68	MEMBER 303 305 123												2100		
69	MEMBER 301 305 123												2100		
70	MEMBER 301 302 105												1600		
71	MEMBER 302 303 105												1600		
72	MEMBER 303 305 105												1600		
73	MEMBER 305 304 105												1600		
74	MEMBER 301 304 105												1600		
75	MEMBER 304 305 105												1600		
76	MEMBER 302 304 125												1275		
77	MEMBER 302 305 125												1275		
78	MEMBER 304 305 125												1275		
79	MEMBER 301 307 ACMSK												0000		
80	MEMBER 307 310 ACMSK				1111								0000		
81	MEMBER 305 308 ACMSK												0000		
82	MEMBER 308 311 ACMSK				1111								0000		
83	MEMBER 309 309 ACMSK												0000		
84	MEMBER 309 312 ACMSK				1111								0000		
85	MEMBER 301 313 125SK												1200		
86	MEMBER 303 314 125SK												1200		
87	MEMBER 313 651 HUMSK												4000		
88	MEMBER 314 653 HUMSK												4000		
89	MEMBER 651 311 105SK												1400		
90	MEMBER 653 313 105SK												1400		
91	MEMBER 651 651 105SK														
92	MEMBER 653 653 105SK														
93	MEMBER 311 312 ACMSK												1200		
94	MEMBER 312 313 ACMSK												1200		
95	MEMBER 651 652 ACMSK												2000		
96	MEMBER 652 653 ACMSK												2000		
97	MEMBER 311 651 105SK												3000		
98	MEMBER 312 652 105SK												2000		

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MUL 93.0 FEET - 50 YR STORM

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
99	MEMBER 613 603 106SK 3000
100	MEMBER 501 642 200 2000
101	MEMBER 503 645 200 2000
102	MEMBER 506 648 200 2000
103	MEMBER 642 703 200 3032
104	MEMBER 645 706 200 3032
105	MEMBER 648 701 200 3032
106	MEMBER 701 702 137 2033
107	MEMBER 702 703 137 2033
108	MEMBER 703 705 137 2033
109	MEMBER 705 706 137 2033
110	MEMBER 701 704 137 2033
111	MEMBER 704 706 137 2033
112	MEMBER 702 704 127 1757
113	MEMBER 702 705 127 1757
114	MEMBER 704 705 127 1757
115	MEMBER 701 707 MBNSK 0000
116	MEMBER 707 710 MBNSK 1111 0000
117	MEMBER 705 708 MBNSK 0000
118	MEMBER 708 711 MBNSK 1111 0000
119	MEMBER 706 709 MBNSK 0000
120	MEMBER 709 712 MBNSK 1111 0000
121	MEMBER 701 806 200 3032
122	MEMBER 703 801 200 3032
123	MEMBER 706 803 200 3032
124	MEMBER 801 802 168 2033
125	MEMBER 802 803 168 2033
126	MEMBER 803 805 168 2033
127	MEMBER 805 806 168 2033
128	MEMBER 801 804 168 2033
129	MEMBER 804 806 168 2033
130	MEMBER 802 804 148 1757
131	MEMBER 802 805 148 1757
132	MEMBER 804 805 148 1757
133	MEMBER 801 807 MBNSK 0000
134	MEMBER 807 810 MBNSK 1111 0000
135	MEMBER 805 808 MBNSK 0000
136	MEMBER 808 811 MBNSK 1111 0000
137	MEMBER 806 809 MBNSK 0000
138	MEMBER 809 812 MBNSK 1111 0000
139	MEMBER 801 903 200 3032
140	MEMBER 803 906 200 3032
141	MEMBER 806 901 200 3032
142	MEMBER 901 902 169 2205
143	MEMBER 902 903 169 2205
144	MEMBER 903 905 169 2205
145	MEMBER 905 906 169 2205
146	MEMBER 901 904 169 2205
147	MEMBER 904 906 169 2205

STRAN INPUT DATA

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                    1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   146   MEMBER  902 904 149                                                1757
   149   MEMBER  902 905 149                                                1757
   150   MEMBER  904 905 149                                                1757
   151   MEMBER  901 907 ABNSK                                              0000
   152   MEMBER  907 910 ABNSK      1111                                    0000
   153   MEMBER  903 908 ABNSK                                              0000
   154   MEMBER  908 911 ABNSK      1111                                    0000
   155   MEMBER  906 909 ABNSK                                              0000
   156   MEMBER  909 912 ABNSK      1111                                    0000
   157   MEMBER  9011002 160                                                2481
   158   MEMBER  9031002 160                                                2481
   159   MEMBER  9031005 160                                                2481
   160   MEMBER  9061005 160                                                2481
   161   MEMBER  9011004 160                                                2481
   162   MEMBER  9061004 160                                                2481
   163   MEMBER  10011002 200                                               3032
   164   MEMBER  10021003 200                                               3032
   165   MEMBER  10031005 200                                               3032
   166   MEMBER  10051006 200                                               3032
   167   MEMBER  10011004 200                                               3032
   168   MEMBER  10041006 200                                               3032
   169   MEMBER  10021004 140                                               2205
   170   MEMBER  10021005 140                                               2205
   171   MEMBER  10041005 140                                               2205
   172   MEMBER  10011007 ABNSK                                             0000
   173   MEMBER  10071010 ABNSK     1111                                    0000
   174   MEMBER  10031008 ABNSK                                             0000
   175   MEMBER  10081011 ABNSK     1111                                    0000
   176   MEMBER  10061009 ABNSK                                             0000
   177   MEMBER  10091012 ABNSK     1111                                    0000
   178   MEMBER  101 201 DKL
   179   MEMBER  103 203 DKL
   180   MEMBER  106 206 DKL                                                3000
   181   MEMBER  201 301 DKL                                                3000
   182   MEMBER  203 303 DKL                                                3000
   183   MEMBER  206 306 DKL                                                3000
   184   MEMBER  301 401 DKL                                                3000
   185   MEMBER  303 403 DKL                                                3000
   186   MEMBER  306 406 DKL                                                3000
   187   MEMBER  401 501 JL4                                              F 4750
   188   MEMBER  403 503 JL4                                              F 4750
   189   MEMBER  406 506 JL4                                              F 4750
   190   MEMBER  501 601 JL5                                              F 4750
   191   MEMBER  503 603 JL5                                              F 4750
   192   MEMBER  506 606 JL5                                              F 4750
   193   MEMBER  601 641 JL6                                              F 4750
   194   MEMBER  603 643 JL6                                              F 4750
   195   MEMBER  606 646 JL6                                              F 4750
   196   MEMBER  641 651 JL6                                              F 6823
```

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     197 MEMBER  643 653 JL6                                                          F  6823
     198 MEMBER  646 656 JL6                                                          F  6823
     199 MEMBER  651 701 JL6                                                          F  6823
     200 MEMBER  653 703 JL6                                                          F  6823
     201 MEMBER  656 706 JL6                                                          F  6823
     202 MEMBER  701 801 JL7                                                          F  6547
     203 MEMBER  703 803 JL7                                                          F  6547
     204 MEMBER  706 806 JL7                                                          F  6547
     205 MEMBER  801 901 JL8                                                          F  6547
     206 MEMBER  803 903 JL8                                                          F  6547
     207 MEMBER  806 906 JL8                                                          F  6547
     208 MEMBER  9011001 JL9                                                          F  6547
     209 MEMBER  9031003 JL9                                                          F  6547
     210 MEMBER  9061006 JL9                                                          F  6547
     211 MEMBER  401 510 P1                                                           F  0000 1
     212 MEMBER  403 511 P1                                                           F  0000 2
     213 MEMBER  406 512 P1                                                           F  0000 3
     214 MEMBER  510 710 P1                                                           F  0000 1
     215 MEMBER  511 711 P1                                                           F  0000 2
     216 MEMBER  512 712 P1                                                           F  0000 3
     217 MEMBER  710 810 P2                                                           F  0000 1
     218 MEMBER  711 811 P2                                                           F  0000 2
     219 MEMBER  712 812 P2                                                           F  0000 3
     220 MEMBER  810 910 P2                                                           F  0000 1
     221 MEMBER  811 911 P2                                                           F  0000 2
     222 MEMBER  812 912 P2                                                           F  0000 3
     223 MEMBER  9101010 P3                                                           F  0000 1
     224 MEMBER  9111011 P3                                                           F  0000 2
     225 MEMBER  9121012 P3                                                           F  0000 3
     226 FOUND
     227 CARG      4        0.05      0.05      0.005
     228 P LE  1010       200.0      29.0       11.6
     229 PROP             42.0       42.0      2.375      20.0
     230 PROP             42.0       42.0       1.75      70.0
     231 PROP             42.0       42.0        1.5     120.0
     232 PROP             42.0       42.0        1.5     200.0
     233 PY       2        0.0
     234 FORCE             0.0        0.0
     235 DEPL             0.0       20.0
     236 PY       2        5.0
     237 FORCE             0.0        0.0
     238 DEPL             0.0       20.0
     239 PY       8        8.0
     240 FORCE             0.0      0.107      0.129      0.153      0.169      0.188
     241 FORCE           0.237      0.237
     242 DEPL              0.0      0.049       0.12       0.27       0.43       0.70
     243 DEPL             1.58       20.0
     244 PY       8       14.0
     245 FORCE             0.0      0.366      0.611      0.906      1.136      1.440
```

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.		1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
		1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
246	FORCE		2.274	2.274												
247	DEPL		0.0	0.036		0.11		0.26		0.42		0.70				
248	DEPL		1.58	20.0												
249	PY	6	24.0													
250	FORCE		0.0	1.204		1.681		2.347		2.896		3.644				
251	FORCE		5.630	5.630												
252	DEPL		0.0	0.069		0.14		0.28		0.43		0.70				
253	DEPL		1.58	20.0												
254	PY	6	33.0													
255	FORCE		0.0	2.764		3.444		4.456		5.337		6.572				
256	FORCE		10.515	10.515												
257	DEPL		0.0	0.12		0.18		0.31		0.45		0.70				
258	DEPL		1.58	20.0												
259	PY	7	33.08													
260	FORCE		0.0	1.354		1.838		2.494		3.344		4.594				
261	FORCE		4.594													
262	DEPL		0.0	0.064		0.16		0.40		1.01		2.52				
263	DEPL		20.0													
264	PY	7	45.0													
265	FORCE		0.0	2.321		3.150		4.275		5.802		7.875				
266	FORCE		7.875													
267	DEPL		0.0	0.064		0.16		0.40		1.01		2.52				
268	DEPL		20.0													
269	PY	8	45.08													
270	FORCE		0.0	2.532		3.433		4.719		5.791		7.259				
271	FORCE		11.615	11.615												
272	DEPL		0.0	0.078		0.15		0.29		0.44		0.70				
273	DEPL		1.58	20.0												
274	PY	8	65.0													
275	FORCE		0.0	3.542		4.840		6.680		8.210		10.303				
276	FORCE		16.485	16.485												
277	DEPL		0.0	0.075		0.15		0.28		0.44		0.70				
278	DEPL		1.58	20.0												
279	PY	8	90.0													
280	FORCE		0.0	4.756		6.551		9.079		11.176		14.040				
281	FORCE		22.464	22.464												
282	DEPL		0.0	0.073		0.14		0.28		0.44		0.70				
283	DEPL		1.58	20.0												
284	PY	8	90.08													
285	FORCE		0.0	1.499		3.003		4.689		5.988		7.706				
286	FORCE		12.329	12.329												
287	DEPL		0.0	0.023		0.098		0.25		0.41		0.70				
288	DEPL		1.58	20.0												
289	PY	8	95.0													
290	FORCE		0.0	1.581		3.167		4.945		6.314		8.126				
291	FORCE		13.001	13.001												
292	DEPL		0.0	0.023		0.098		0.25		0.41		0.70				
293	DEPL		1.58	20.0												
294	PY	8	114.0													

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
  295 FORCE                 0.0     1.838   3.728   5.833   7.452   9.594
  296 FORCE              15.350    15.350
  297 DEPL                  0.0     0.022   0.097    0.25    0.41    0.70
  298 DEPL                 1.58      20.0
  299 PILE 1011           200.0      29.0    11.6
  300 PILE 1012           200.0      29.0    11.6
  301 JOINT
  302 JOINT  101   1450   -837   16800                                  TOP DECK
  303 JOINT  102    000   -837   16800                                  TOP DECK
  304 JOINT  103  -1450   -837   16800                                  TOP DECK
  305 JOINT  104    725    418   16800                                  TOP DECK
  306 JOINT  105   -725    418   16800                                  TOP DECK
  307 JOINT  106    000   1674   16800                                  TOP DECK
  308 JOINT  201   1450   -837   15300                                  E&M DECK
  309 JOINT  202    000   -837   15300                                  E&M DECK
  310 JOINT  203  -1450   -837   15300                                  E&M DECK
  311 JOINT  204    725    418   15300                                  E&M DECK
  312 JOINT  205   -725    418   15300                                  E&M DECK
  313 JOINT  206    000   1674   15300                                  E&M DECK
  314 JOINT  301   1450   -837   13800                                  DK BRACE
  315 JOINT  303  -1450   -837   13800                                  DK BRACE
  316 JOINT  306    000   1674   13800                                  DK BRACE
  317 JOINT  401   1450   -837   10950                                  MP LEVEL
  318 JOINT  403  -1450   -837   10950                                  MP LEVEL
  319 JOINT  406    000   1674   10950                                  MP LEVEL
  320 JOINT  501   1515   -875   10500                                  5 LEVEL
  321 JOINT  502    000   -875   10500                                  5 LEVEL
  322 JOINT  503  -1515   -875   10500                                  5 LEVEL
  323 JOINT  504    757    437   10500                                  5 LEVEL
  324 JOINT  505   -757    437   10500                                  5 LEVEL
  325 JOINT  506    000   1749   10500                                  5 LEVEL
  326 JOINT  507   1686   -973   10533                                  5 LEVEL
  327 JOINT  508  -1686   -973   10533                                  5 LEVEL
  328 JOINT  509    000   1947   10533                                  5 LEVEL
  329 JOINT  510   1515   -875   10501                                  5 LEVEL
  330 JOINT  511  -1515   -875   10501                                  5 LEVEL
  331 JOINT  512    000   1749   10501                                  5 LEVEL
  332 JOINT  513   1775  -1025   10500                                  5 LEVEL
  333 JOINT  514  -1775  -1025   10500                                  5 LEVEL
  334 JOINT  601   1601   -925    9900                                  BOAT LDG
  335 JOINT  603  -1601   -925    9900                                  BOAT LDG
  336 JOINT  606    000   1848    9900                                  BOAT LDG
  337 JOINT  611   1601  -1525    9900                                  BOAT LDG
  338 JOINT  612    000  -1525    9900                                  BOAT LDG
  339 JOINT  613  -1601  -1525    9900                                  BOAT LDG
  340 JOINT  641   1686   -975    9500                                  MLA
  341 JOINT  642   -113   -975    9500                                  MLA
  342 JOINT  643  -1686   -975    9500                                  MLA
  343 JOINT  644    900    340    9500                                  MLA
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S T R A N I N P U T D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.						
344	JOINT	645	-788	585	9300	MLA
345	JOINT	646	000	1949	9300	MLA
346	JOINT	651	1775	-1025	8700	BOAT LDG
347	JOINT	653	-1775	-1025	8700	BOAT LDG
348	JOINT	656	000	2049	8700	BOAT LDG
349	JOINT	661	1775	-1525	8700	BOAT LDG
350	JOINT	662	000	-1525	8700	BOAT LDG
351	JOINT	663	-1775	-1525	8700	BOAT LDG
352	JOINT	701	1076	-1083	8000	7 LEVEL
353	JOINT	702	000	-1083	8000	7 LEVEL
354	JOINT	703	-1076	-1083	8000	7 LEVEL
355	JOINT	704	938	542	8000	7 LEVEL
356	JOINT	705	-938	542	8000	7 LEVEL
357	JOINT	706	000	2166	8000	7 LEVEL
358	JOINT	707	2047	-1182	8033	7 LEVEL
359	JOINT	708	-2047	-1182	8033	7 LEVEL
360	JOINT	709	000	2363	8033	7 LEVEL
361	JOINT	710	1876	-1083	8001	7 LEVEL
362	JOINT	711	-1876	-1083	8001	7 LEVEL
363	JOINT	712	000	2166	8001	7 LEVEL
364	JOINT	801	2251	-1300	5400	8 LEVEL
365	JOINT	802	000	-1300	5400	8 LEVEL
366	JOINT	803	-2251	-1300	5400	8 LEVEL
367	JOINT	804	1126	650	5400	8 LEVEL
368	JOINT	805	-1126	650	5400	8 LEVEL
369	JOINT	806	000	2599	5400	8 LEVEL
370	JOINT	807	2422	-1398	5433	8 LEVEL
371	JOINT	808	-2422	-1398	5433	8 LEVEL
372	JOINT	809	000	2797	5433	8 LEVEL
373	JOINT	810	2251	-1300	5401	8 LEVEL
374	JOINT	811	-2251	-1300	5401	8 LEVEL
375	JOINT	812	000	2599	5401	8 LEVEL
376	JOINT	901	2041	-1525	2700	9 LEVEL
377	JOINT	902	000	-1525	2700	9 LEVEL
378	JOINT	903	-2041	-1525	2700	9 LEVEL
379	JOINT	904	1320	762	2700	9 LEVEL
380	JOINT	905	-1320	762	2700	9 LEVEL
381	JOINT	906	000	3049	2700	9 LEVEL
382	JOINT	907	2012	-1623	2733	9 LEVEL
383	JOINT	908	-2012	-1623	2733	9 LEVEL
384	JOINT	909	000	3207	2733	9 LEVEL
385	JOINT	910	2041	-1525	2701	9 LEVEL
386	JOINT	911	-2041	-1525	2701	9 LEVEL
387	JOINT	912	000	3049	2701	9 LEVEL
388	JOINT	1001	3051	-1750	000	MUDLINE
389	JOINT	1002	000	-1750	000	MUDLINE
390	JOINT	1003	-3051	-1750	000	MUDLINE
391	JOINT	1004	1515	875	000	MUDLINE
392	JOINT	1005	-1515	875	000	MUDLINE

U.S. NAVY - ACMN PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     393 JOINT 1006     000    3499    000                                   MUDLINE
     394 JOINT 1007    3201   -1848    033                                   MUDLINE
     395 JOINT 1008   -3201   -1848    033                                   MUDLINE
     396 JOINT 1009     000    3497    033                                   MUDLINE
     397 JOINT 1010    3031   -1750    001                        111111
     398 JOINT 1010                                                NONLIN
     399 JOINT 1010                                1010     910 OBLIQU
     400 JOINT 1011   -3031   -1750    001                        111111
     401 JOINT 1011                                                NONLIN
     402 JOINT 1011                                1011     911 OBLIQU
     403 JOINT 1012     000    3499    001                        111111
     404 JOINT 1012                                                NONLIN
     405 JOINT 1012                                1012     912 OBLIQU
     406 LOAD
     407 LOADCN   1
     408 LOAD X  401 510    0.00      67                                GLOB CONC     WN 0 1
     409 LOAD Y  401 510                                0.00   35120 GLOB MOMT     WN 0 1
     410 LOAD Y  401 510    0.00     117                                GLOB CONC     WN 0 1
     411 LOAD X  401 510                                0.00- 60830 GLOB MOMT     WN 0 1
     412 LOAD X  403 511    0.00      67                                GLOB CONC     WN 0 1
     413 LOAD Y  403 511                                0.00   35120 GLOB MOMT     WN 0 1
     414 LOAD Y  403 511    0.00     117                                GLOB CONC     WN 0 1
     415 LOAD X  403 511                                0.00- 60830 GLOB MOMT     WN 0 1
     416 LOAD X  406 512    0.00      67                                GLOB CONC     WN 0 1
     417 LOAD Y  406 512                                0.00   35120 GLOB MOMT     WN 0 1
     418 LOAD Y  406 512    0.00     117                                GLOB CONC     WN 0 1
     419 LOAD X  406 512                                0.00- 60830 GLOB MOMT     WN 0 1
     420 LOAD X  401 510    0.00     163                                GLOB CONC     WN 0 1
     421 LOAD Y  401 510                                0.00   94760 GLOB MOMT     WN 0 1
     422 LOAD Y  401 510    0.00     282                                GLOB CONC     WN 0 1
     423 LOAD X  401 510                                0.00-164129 GLOB MOMT     WN 0 1
     424 LOAD X  403 511    0.00     163                                GLOB CONC     WN 0 1
     425 LOAD Y  403 511                                0.00   94760 GLOB MOMT     WN 0 1
     426 LOAD Y  403 511    0.00     282                                GLOB CONC     WN 0 1
     427 LOAD X  403 511                                0.00-164129 GLOB MOMT     WN 0 1
     428 LOAD X  406 512    0.00     163                                GLOB CONC     WN 0 1
     429 LOAD Y  406 512                                0.00   94760 GLOB MOMT     WN 0 1
     430 LOAD Y  406 512    0.00     282                                GLOB CONC     WN 0 1
     431 LOAD X  406 512                                0.00-164129 GLOB MOMT     WN 0 1
     432 LOAD X  201 303   17.23      50   5.14      59                   GLOB UNIF     WV 0 1
     433 LOAD Y  201 303   17.23     137   5.14     187                   GLOB UNIF     WV 0 1
     434 LOAD Z  201 303   17.23-     96   5.14-    114                   GLOB UNIF     WV 0 1
     435 LOAD X  201 303   22.37      59   5.14      61                   GLOB UNIF     WV 0 1
     436 LOAD Y  201 303   22.37     187   5.14     200                   GLOB UNIF     WV 0 1
     437 LOAD Z  201 303   22.37-    114   5.14-    116                   GLOB UNIF     WV 0 1
     438 LOAD X  201 303   27.51      61   5.14      62                   GLOB UNIF     WV 0 1
     439 LOAD Y  201 303   27.51     200   5.14     207                   GLOB UNIF     WV 0 1
     440 LOAD Z  201 303   27.51-    118   5.14-    119                   GLOB UNIF     WV 0 1
     441 LOAD X  203 306   26.79      15   2.93      18                   GLOB UNIF     WV 0 1
```

S T R A N I N P U T D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.																	
442	LOAD	Y	203	306	26.79	26	2.93	31			GLOB	UNIF	WV	0	1		
443	LOAD	Z	203	306	26.79	59	2.93	69			GLOB	UNIF	WV	0	1		
444	LOAD	X	203	306	29.72	16	2.93	17			GLOB	UNIF	WV	0	1		
445	LOAD	Y	203	306	29.72	31	2.93	29			GLOB	UNIF	WV	0	1		
446	LOAD	Z	203	306	29.72	69	2.93	65			GLOB	UNIF	WV	0	1		
447	LOAD	X	206	301	22.22	85	5.48	135			GLOB	UNIF	WV	0	1		
448	LOAD	Y	206	301	22.22	69	5.48	129			GLOB	UNIF	WV	0	1		
449	LOAD	Z	206	301	22.22-	60	5.48-	86			GLOB	UNIF	WV	0	1		
450	LOAD	X	206	301	25.69	135	5.48	169			GLOB	UNIF	WV	0	1		
451	LOAD	Y	206	301	25.69	129	5.48	156			GLOB	UNIF	WV	0	1		
452	LOAD	Z	206	301	25.69-	86	5.48-	102			GLOB	UNIF	WV	0	1		
453	LOAD	X	206	301	29.17	169	5.48	178			GLOB	UNIF	WV	0	1		
454	LOAD	Y	206	301	29.17	156	5.48	167			GLOB	UNIF	WV	0	1		
455	LOAD	Z	206	301	29.17-	102	5.48-	108			GLOB	UNIF	WV	0	1		
456	LOAD	X	301	403	0.00	44	20.33	56			GLOB	UNIF	WV	0	1		
457	LOAD	Y	301	403	0.00	124	20.33	154			GLOB	UNIF	WV	0	1		
458	LOAD	Z	301	403	0.00-	45	20.33-	57			GLOB	UNIF	WV	0	1		
459	LOAD	X	301	403	20.33	56	20.33	38			GLOB	UNIF	WV	0	1		
460	LOAD	Y	301	403	20.33	154	20.33	95			GLOB	UNIF	WV	0	1		
461	LOAD	Z	301	403	20.33-	57	20.33-	39			GLOB	UNIF	WV	0	1		
462	LOAD	Y	301	503	0.00	108	29.00	105			GLOB	UNIF	WV	0	1		
463	LOAD	Z	301	303	0.00-	15	29.00-	23			GLOB	UNIF	WV	0	1		
464	LOAD	Z	303	306	0.00-	23	9.67-	17			GLOB	UNIF	WV	0	1		
465	LOAD	Z	303	306	9.67-	17	9.67-	09			GLOB	UNIF	WV	0	1		
466	LOAD	Z	303	306	19.33-	09	7.38				GLOB	UNIF	WV	0	1		
467	LOAD	Z	303	306	26.71		2.29	03			GLOB	UNIF	WV	0	1		
468	LOAD	X	301	306	0.00	93	9.67	90			GLOB	UNIF	WV	0	1		
469	LOAD	Y	301	306	0.00	54	9.67	52			GLOB	UNIF	WV	0	1		
470	LOAD	Z	301	306	0.00-	15	9.67-	09			GLOB	UNIF	WV	0	1		
471	LOAD	X	301	306	9.67	90	9.67	86			GLOB	UNIF	WV	0	1		
472	LOAD	Y	301	306	9.67	52	9.67	50			GLOB	UNIF	WV	0	1		
473	LOAD	Z	301	306	9.67-	09	9.67-	05			GLOB	UNIF	WV	0	1		
474	LOAD	X	301	306	19.33	86	9.67	59			GLOB	UNIF	WV	0	1		
475	LOAD	Y	301	306	19.33	50	9.67	34			GLOB	UNIF	WV	0	1		
476	LOAD	Z	301	306	19.33-	05	6.09				GLOB	UNIF	WV	0	1		
477	LOAD	Z	301	306	25.42		3.57	03			GLOB	UNIF	WV	0	1		
478	LOAD	Y	501	502	0.00	60	15.15	60			GLOB	UNIF	WV	0	1		
479	LOAD	Z	501	502	0.00-	08	15.15-	09			GLOB	UNIF	WV	0	1		
480	LOAD	Y	502	503	0.00	60	15.15	58			GLOB	UNIF	WV	0	1		
481	LOAD	Z	502	503	0.00-	09	15.15-	09			GLOB	UNIF	WV	0	1		
482	LOAD	Z	503	505	0.00-	09	15.15-	08			GLOB	UNIF	WV	0	1		
483	LOAD	Z	505	506	0.00-	08	15.15-	04			GLOB	UNIF	WV	0	1		
484	LOAD	X	501	504	0.00	52	15.15	52			GLOB	UNIF	WV	0	1		
485	LOAD	Y	501	504	0.00	30	15.15	30			GLOB	UNIF	WV	0	1		
486	LOAD	Z	501	504	0.00-	08	15.15-	06			GLOB	UNIF	WV	0	1		
487	LOAD	X	504	506	0.00	52	15.15	51			GLOB	UNIF	WV	0	1		
488	LOAD	Y	504	506	0.00	30	15.15	29			GLOB	UNIF	WV	0	1		
489	LOAD	Z	504	506	0.00-	06	15.15-	04			GLOB	UNIF	WV	0	1		
490	LOAD	Z	502	504	0.00-	06	7.57-	05			GLOB	UNIF	WV	0	1		

LINE NO.															
491	LOAD	Z	502	504	7.57-	05	7.57-	04			GLOB	UNIF	WV	0	1
492	LOAD	X	502	505	0.00	42	15.15	41			GLOB	UNIF	WV	0	1
493	LOAD	Y	502	505	0.00	24	15.15	24			GLOB	UNIF	WV	0	1
494	LOAD	Z	502	505	0.00-	06	15.15-	05			GLOB	UNIF	WV	0	1
495	LOAD	Y	504	505	0.00	48	15.14	48			GLOB	UNIF	WV	0	1
496	LOAD	Z	504	505	0.00-	04	15.14-	05			GLOB	UNIF	WV	0	1
497	LOAD	X	501	513	0.00	26	3.00	26			GLOB	UNIF	WV	0	1
498	LOAD	Y	501	513	0.00	45	3.00	45			GLOB	UNIF	WV	0	1
499	LOAD	Z	501	513	0.00-	04	3.00-	04			GLOB	UNIF	WV	0	1
500	LOAD	X	503	514	0.00-	13	3.00-	13			GLOB	UNIF	WV	0	1
501	LOAD	Y	503	514	0.00	22	3.00	22			GLOB	UNIF	WV	0	1
502	LOAD	Z	503	514	0.00-	05	3.00-	06			GLOB	UNIF	WV	0	1
503	LOAD	X	513	651	0.00	92	6.00	81			GLOB	UNIF	WV	0	1
504	LOAD	Y	513	651	0.00	159	6.00	141			GLOB	UNIF	WV	0	1
505	LOAD	X	513	651	6.00	81	0.00	73			GLOB	UNIF	WV	0	1
506	LOAD	Y	513	651	6.00	141	0.00	126			GLOB	UNIF	WV	0	1
507	LOAD	X	513	651	12.00	73	0.00	65			GLOB	UNIF	WV	0	1
508	LOAD	Y	513	651	12.00	126	0.00	113			GLOB	UNIF	WV	0	1
509	LOAD	X	514	653	0.00	79	6.00	70			GLOB	UNIF	WV	0	1
510	LOAD	Y	514	653	0.00	136	6.00	121			GLOB	UNIF	WV	0	1
511	LOAD	X	514	653	6.00	70	0.00	63			GLOB	UNIF	WV	0	1
512	LOAD	Y	514	653	6.00	121	0.00	108			GLOB	UNIF	WV	0	1
513	LOAD	X	514	653	12.00	63	0.00				GLOB	UNIF	WV	0	1
514	LOAD	Y	514	653											

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                    1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   540 LOAD X  613 663    6.06     49    6.06     44          GLOB UNIF     WV 0 1
   541 LOAD Y  613 663    6.06     79    6.06     71          GLOB UNIF     WV 0 1
   542 LOAD Z  613 663    6.06-    07    6.06-    06          GLOB UNIF     WV 0 1
   543 LOAD X  501 642    0.00     16   10.12     17          GLOB UNIF     WV 0 1
   544 LOAD Y  501 642    0.00     75   10.12     66          GLOB UNIF     WV 0 1
   545 LOAD Z  501 642    0.00-    31   10.12-    28          GLOB UNIF     WV 0 1
   546 LOAD X  501 642   10.12     17   10.12     16          GLOB UNIF     WV 0 1
   547 LOAD Y  501 642   10.12     66   10.12     58          GLOB UNIF     WV 0 1
   548 LOAD Z  501 642   10.12-    28   10.12-    26          GLOB UNIF     WV 0 1
   549 LOAD X  503 645    0.00     14    6.75     14          GLOB UNIF     WV 0 1
   550 LOAD Y  503 645    0.00     16    6.75     17          GLOB UNIF     WV 0 1
   551 LOAD Z  503 645    0.00     30    6.75     29          GLOB UNIF     WV 0 1
   552 LOAD X  503 645    6.75     14    6.75     13          GLOB UNIF     WV 0 1
   553 LOAD Y  503 645    6.75     17    6.75     16          GLOB UNIF     WV 0 1
   554 LOAD Z  503 645    6.75     29    6.75     28          GLOB UNIF     WV 0 1
   555 LOAD X  503 645   13.50     13    6.75     13          GLOB UNIF     WV 0 1
   556 LOAD Y  503 645   13.50     16    6.75     15          GLOB UNIF     WV 0 1
   557 LOAD Z  503 645   13.50     28    6.75     26          GLOB UNIF     WV 0 1
   558 LOAD X  506 644    0.00     55   10.12     49          GLOB UNIF     WV 0 1
   559 LOAD Y  506 644    0.00     57   10.12     52          GLOB UNIF     WV 0 1
   560 LOAD Z  506 644    0.00-    23   10.12-    23          GLOB UNIF     WV 0 1
   561 LOAD X  506 644   10.12     49   10.12     44          GLOB UNIF     WV 0 1
   562 LOAD Y  506 644   10.12     52   10.12     48          GLOB UNIF     WV 0 1
   563 LOAD Z  506 644   10.12-    23   10.12-    21          GLOB UNIF     WV 0 1
   564 LOAD X  642 703    0.00     21    7.31     19          GLOB UNIF     WV 0 1
   565 LOAD Y  642 703    0.00     86    7.31     80          GLOB UNIF     WV 0 1
   566 LOAD Z  642 703    0.00-    35    7.31-    33          GLOB UNIF     WV 0 1
   567 LOAD X  642 703    7.31     19    7.31     18          GLOB UNIF     WV 0 1
   568 LOAD Y  642 703    7.31     80    7.31     73          GLOB UNIF     WV 0 1
   569 LOAD Z  642 703    7.31-    33    7.31-    30          GLOB UNIF     WV 0 1
   570 LOAD X  642 703   14.62     18    7.31     16          GLOB UNIF     WV 0 1
   571 LOAD Y  642 703   14.62     73    7.31     67          GLOB UNIF     WV 0 1
   572 LOAD Z  642 703   14.62-    30    7.31-    27          GLOB UNIF     WV 0 1
   573 LOAD X  645 706    0.00     20    7.31     18          GLOB UNIF     WV 0 1
   574 LOAD Y  645 706    0.00     25    7.31     24          GLOB UNIF     WV 0 1
   575 LOAD Z  645 706    0.00     43    7.31     40          GLOB UNIF     WV 0 1
   576 LOAD X  645 706    7.31     16    7.31     17          GLOB UNIF     WV 0 1
   577 LOAD Y  645 706    7.31     24    7.31     22          GLOB UNIF     WV 0 1
   578 LOAD Z  645 706    7.31     40    7.31     37          GLOB UNIF     WV 0 1
   579 LOAD X  645 706   14.62     17    7.31     16          GLOB UNIF     WV 0 1
   580 LOAD Y  645 706   14.62     22    7.31     20          GLOB UNIF     WV 0 1
   581 LOAD Z  645 706   14.62     37    7.31     34          GLOB UNIF     WV 0 1
   582 LOAD X  644 701    0.00     66   10.97     59          GLOB UNIF     WV 0 1
   583 LOAD Y  644 701    0.00     69   10.97     62          GLOB UNIF     WV 0 1
   584 LOAD Z  644 701    0.00-    26   10.97-    26          GLOB UNIF     WV 0 1
   585 LOAD X  644 701   10.97     59   10.97     52          GLOB UNIF     WV 0 1
   586 LOAD Y  644 701   10.97     62   10.97     55          GLOB UNIF     WV 0 1
   587 LOAD Z  644 701   10.97-    26   10.97-    23          GLOB UNIF     WV 0 1
   588 LOAD Y  701 702    0.00     47   10.76     48          GLOB UNIF     WV 0 1
```

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
   589  LOAD Z  701 702    0.00-  02  18.76-  03   GLOB UNIF     WV 0 1
   590  LOAD Y  702 703    0.00   48  18.76   46   GLOB UNIF     WV 0 1
   591  LOAD Z  702 703    0.00-  03  18.76-  03   GLOB UNIF     WV 0 1
   592  LOAD Z  703 705    0.00-  03  18.76-  02   GLOB UNIF     WV 0 1
   593  LOAD Z  705 706    0.00-  02   6.25-  02   GLOB UNIF     WV 0 1
   594  LOAD Z  705 706    6.25-  02   6.25-   1   GLOB UNIF     WV 0 1
   595  LOAD Z  705 706   12.50-   1   6.25       GLOB UNIF     WV 0 1
   596  LOAD X  701 704    0.00   41  18.76  40   GLOB UNIF     WV 0 1
   597  LOAD Y  701 704    0.00   24  18.76  23   GLOB UNIF     WV 0 1
   598  LOAD Z  701 704    0.00-  02  18.76-  02   GLOB UNIF     WV 0 1
   599  LOAD X  704 706    0.00   40  18.75  38   GLOB UNIF     WV 0 1
   600  LOAD Y  704 706    0.00   23  18.75  22   GLOB UNIF     WV 0 1
   601  LOAD Z  704 706    0.00-  02  18.75       GLOB UNIF     WV 0 1
   602  LOAD Z  702 704    0.00-  08  18.76-  06   GLOB UNIF     WV 0 1
   603  LOAD X  702 705    0.00   36  18.76  36   GLOB UNIF     WV 0 1
   604  LOAD Y  702 705    0.00   21  18.76  21   GLOB UNIF     WV 0 1
   605  LOAD Z  702 705    0.00-  08  18.76-  07   GLOB UNIF     WV 0 1
   606  LOAD Y  704 705    0.00   42  18.76  42   GLOB UNIF     WV 0 1
   607  LOAD Z  704 705    0.00-  08  18.76-  07   GLOB UNIF     WV 0 1
   608  LOAD X  701 806    0.00   50  18.27  51   GLOB UNIF     WV 0 1
   609  LOAD Y  701 806    0.00   39  18.27  35   GLOB UNIF     WV 0 1
   610  LOAD Z  701 806    0.00   14  18.27  13   GLOB UNIF     WV 0 1
   611  LOAD X  701 806   18.27   51  18.27  44   GLOB UNIF     WV 0 1
   612  LOAD Y  701 806   18.27   35  18.27  30   GLOB UNIF     WV 0 1
   613  LOAD Z  701 806   18.27   13  18.27  11   GLOB UNIF     WV 0 1
   614  LOAD X  701 806   32.55   44  18.27  38   GLOB UNIF     WV 0 1
   615  LOAD Y  701 806   32.55   30  18.27  27   GLOB UNIF     WV 0 1
   616  LOAD Z  701 806   32.55   11  18.27  11   GLOB UNIF     WV 0 1
   617  LOAD X  703 801    0.00   09  18.28  08   GLOB UNIF     WV 0 1
   618  LOAD Y  703 801    0.00   70  18.28  65   GLOB UNIF     WV 0 1
   619  LOAD Z  703 801    0.00   08  18.28  08   GLOB UNIF     WV 0 1
   620  LOAD X  703 801   18.28   08  18.28  08   GLOB UNIF     WV 0 1
   621  LOAD Y  703 801   18.28   65  18.28  56   GLOB UNIF     WV 0 1
   622  LOAD Z  703 801   18.28   08  18.28  08   GLOB UNIF     WV 0 1
   623  LOAD X  703 801   32.55   08  18.28  07   GLOB UNIF     WV 0 1
   624  LOAD Y  703 801   32.55   56  18.28  50   GLOB UNIF     WV 0 1
   625  LOAD Z  703 801   32.55   08  18.28  07   GLOB UNIF     WV 0 1
   626  LOAD X  706 803    0.00   10  18.28  10   GLOB UNIF     WV 0 1
   627  LOAD Y  706 803    0.00   23  18.28  22   GLOB UNIF     WV 0 1
   628  LOAD Z  706 803    0.00-  40  18.28-  38   GLOB UNIF     WV 0 1
   629  LOAD X  706 803   18.28   10  18.28  09   GLOB UNIF     WV 0 1
   630  LOAD Y  706 803   18.28   22  18.28  20   GLOB UNIF     WV 0 1
   631  LOAD Z  706 803   18.28-  36  18.28-  34   GLOB UNIF     WV 0 1
   632  LOAD X  706 803   32.55   09  18.28  07   GLOB UNIF     WV 0 1
   633  LOAD Y  706 803   32.55   20  18.28  16   GLOB UNIF     WV 0 1
   634  LOAD Z  706 803   32.55-  34  18.28-  28   GLOB UNIF     WV 0 1
   635  LOAD Y  801 802    0.00   32  22.51  32   GLOB UNIF     WV 0 1
   636  LOAD Z  801 802    0.00-  02  22.51-  02   GLOB UNIF     WV 0 1
   637  LOAD Y  802 803    0.00   32  22.51  31   GLOB UNIF     WV 0 1
```

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.																
638	LOAD	Z	902	903	0.00-	02	22.51-	02				GLOB	UNIF	WV	0	1
639	LOAD	Z	903	905	0.00-	02	22.51-	02				GLOB	UNIF	WV	0	1
640	LOAD	Z	905	906	0.00-	02	11.25-	1				GLOB	UNIF	WV	0	1
641	LOAD	Z	905	906	11.25-	1	11.25-	1				GLOB	UNIF	WV	0	1
642	LOAD	X	901	904	0.00	28	22.51	28				GLOB	UNIF	WV	0	1
643	LOAD	Y	901	904	0.00	16	22.51	16				GLOB	UNIF	WV	0	1
644	LOAD	Z	901	904	0.00-	02	22.51-	1				GLOB	UNIF	WV	0	1
645	LOAD	X	904	906	0.00	28	22.51	26				GLOB	UNIF	WV	0	1
646	LOAD	Y	904	906	0.00	16	22.51	15				GLOB	UNIF	WV	0	1
647	LOAD	Z	904	906	0.00-	1	22.51-	1				GLOB	UNIF	WV	0	1
648	LOAD	Z	902	904	0.00-	05	22.52-	04				GLOB	UNIF	WV	0	1
649	LOAD	X	902	905	0.00	24	22.52	25				GLOB	UNIF	WV	0	1
650	LOAD	Y	902	905	0.00	14	22.52	14				GLOB	UNIF	WV	0	1
651	LOAD	Z	902	905	0.00-	05	22.52-	05				GLOB	UNIF	WV	0	1
652	LOAD	Y	904	905	0.00	29	22.52	29				GLOB	UNIF	WV	0	1
653	LOAD	Z	904	905	0.00-	04	22.52-	05				GLOB	UNIF	WV	0	1
654	LOAD	X	901	903	0.00	07	18.64	07				GLOB	UNIF	WV	0	1
655	LOAD	Y	901	903	0.00	48	18.64	43				GLOB	UNIF	WV	0	1
656	LOAD	Z	901	903	0.00-	17	18.64-	15				GLOB	UNIF	WV	0	1
657	LOAD	X	901	903	18.64	07	18.64	06				GLOB	UNIF	WV	0	1
658	LOAD	Y	901	903	18.64	43	18.64	37				GLOB	UNIF	WV	0	1
659	LOAD	Z	901	903	18.64-	15	18.64-	13				GLOB	UNIF	WV	0	1
660	LOAD	X	901	903	37.28	06	18.64	05				GLOB	UNIF	WV	0	1
661	LOAD	Y	901	903	37.28	37	18.64	32				GLOB	UNIF	WV	0	1
662	LOAD	Z	901	903	37.28-	13	18.64-	11				GLOB	UNIF	WV	0	1
663	LOAD	X	903	906	0.00	06	18.64	06				GLOB	UNIF	WV	0	1
664	LOAD	Y	903	906	0.00	07	18.64	07				GLOB	UNIF	WV	0	1
665	LOAD	Z	903	906	0.00	17	18.64	17				GLOB	UNIF	WV	0	1
666	LOAD	X	903	906	18.64	06	18.64	06				GLOB	UNIF	WV	0	1
667	LOAD	Y	903	906	18.64	07	18.64	07				GLOB	UNIF	WV	0	1
668	LOAD	Z	903	906	18.64	17	18.64	17				GLOB	UNIF	WV	0	1
669	LOAD	X	903	906	37.28	06	18.64	06				GLOB	UNIF	WV	0	1
670	LOAD	Y	903	906	37.28	07	18.64	07				GLOB	UNIF	WV	0	1
671	LOAD	Z	903	906	37.28	17	18.64	16				GLOB	UNIF	WV	0	1
672	LOAD	X	906	901	0.00	37	18.64	34				GLOB	UNIF	WV	0	1
673	LOAD	Y	906	901	0.00	32	18.64	30				GLOB	UNIF	WV	0	1
674	LOAD	Z	906	901	0.00-	14	18.64-	13				GLOB	UNIF	WV	0	1
675	LOAD	X	906	901	18.64	34	18.64	31				GLOB	UNIF	WV	0	1
676	LOAD	Y	906	901	18.64	30	18.64	28				GLOB	UNIF	WV	0	1
677	LOAD	Z	906	901	18.64-	13	18.64-	12				GLOB	UNIF	WV	0	1
678	LOAD	X	906	901	37.28	31	18.64	28				GLOB	UNIF	WV	0	1
679	LOAD	Y	906	901	37.28	26	18.64	25				GLOB	UNIF	WV	0	1
680	LOAD	Z	906	901	37.28-	12	18.64-	10				GLOB	UNIF	WV	0	1
681	LOAD	Y	901	902	0.00	26	26.41	26				GLOB	UNIF	WV	0	1
682	LOAD	Z	901	902	0.00-	1	26.41-	1				GLOB	UNIF	WV	0	1
683	LOAD	Y	902	903	0.00	26	26.41	25				GLOB	UNIF	WV	0	1
684	LOAD	Z	902	903	0.00-	1	26.41-	1				GLOB	UNIF	WV	0	1
685	LOAD	Z	903	905	0.00-	1	26.41-	1				GLOB	UNIF	WV	0	1
686	LOAD	Z	905	906	0.00-	1	26.41-	1				GLOB	UNIF	WV	0	1

```
                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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687	LOAD	X	901	904	0.00	23	20.41	22					GLOB	UNIF		WV	0	1
688	LOAD	Y	901	904	0.00	13	20.41	13					GLOB	UNIF		WV	0	1
689	LOAD	Z	901	904	0.00-	1	20.41-	1					GLOB	UNIF		WV	0	1
690	LOAD	X	904	906	0.00	22	20.41	21					GLOB	UNIF		WV	0	1
691	LOAD	Y	904	906	0.00	13	20.41	12					GLOB	UNIF		WV	0	1
692	LOAD	Z	904	906	0.00-	1	20.41-	1					GLOB	UNIF		WV	0	1
693	LOAD	Z	902	904	0.00-	02	20.41-	02					GLOB	UNIF		WV	0	1
694	LOAD	X	902	905	0.00	18	20.41	18					GLOB	UNIF		WV	0	1
695	LOAD	Y	902	905	0.00	10	20.41	11					GLOB	UNIF		WV	0	1
696	LOAD	Z	902	905	0.00-	02	20.41-	02					GLOB	UNIF		WV	0	1
697	LOAD	Y	904	905	0.00	22	20.40	21					GLOB	UNIF		WV	0	1
698	LOAD	Z	904	905	0.00-	02	20.40-	02					GLOB	UNIF		WV	0	1
699	LOAD	X	9011002		0.00	08	12.61	07					GLOB	UNIF		WV	0	1
700	LOAD	Y	9011002		0.00	29	12.61	27					GLOB	UNIF		WV	0	1
701	LOAD	Z	9011002		0.00-	10	12.61-	10					GLOB	UNIF		WV	0	1
702	LOAD	X	9011002		12.61	07	12.61	06					GLOB	UNIF		WV	0	1
703	LOAD	Y	9011002		12.61	27	12.61	25					GLOB	UNIF		WV	0	1
704	LOAD	Z	9011002		12.61-	10	12.61-	08					GLOB	UNIF		WV	0	1
705	LOAD	X	9011002		25.22	06	12.61						GLOB	UNIF		WV	0	1
706	LOAD	Y	9011002		25.22	23	12.61	02					GLOB	UNIF		WV	0	1
707	LOAD	Z	9011002		25.22-	08	12.61						GLOB	UNIF		WV	0	1
708	LOAD	X	9031002		0.00	08	12.61	08					GLOB	UNIF		WV	0	1
709	LOAD	Y	9031002		0.00	28	12.61	26					GLOB	UNIF		WV	0	1
710	LOAD	Z	9031002		0.00	06	12.61	06					GLOB	UNIF		WV	0	1
711	LOAD	X	9031002		12.61	08	12.61	07					GLOB	UNIF		WV	0	1
712	LOAD	Y	9031002		12.61	26	12.61	23					GLOB	UNIF		WV	0	1
713	LOAD	Z	9031002		12.61	06	12.61	05					GLOB	UNIF		WV	0	1
714	LOAD	X	9031002		25.22	07	12.61						GLOB	UNIF		WV	0	1
715	LOAD	Y	9031002		25.22	23	12.61	02					GLOB	UNIF		WV	0	1
716	LOAD	Z	9031002		25.22	05	12.61						GLOB	UNIF		WV	0	1
717	LOAD	X	9031005		0.00	09	12.61	09					GLOB	UNIF		WV	0	1
718	LOAD	Y	9031005		0.00	13	12.61	12					GLOB	UNIF		WV	0	1
719	LOAD	Z	9031005		0.00	15	12.61	15					GLOB	UNIF		WV	0	1
720	LOAD	X	9031005		12.61	09	12.61	08					GLOB	UNIF		WV	0	1
721	LOAD	Y	9031005		12.61	12	12.61	11					GLOB	UNIF		WV	0	1
722	LOAD	Z	9031005		12.61	15	12.61	13					GLOB	UNIF		WV	0	1
723	LOAD	X	9031005		25.23	08	12.61	1					GLOB	UNIF		WV	0	1
724	LOAD	Y	9031005		25.23	11	12.61	1					GLOB	UNIF		WV	0	1
725	LOAD	Z	9031005		25.23	13	12.61	1					GLOB	UNIF		WV	0	1
726	LOAD	X	9061005		0.00	07	12.61	07					GLOB	UNIF		WV	0	1
727	LOAD	Y	9061005		0.00	15	12.61	15					GLOB	UNIF		WV	0	1
728	LOAD	Z	9061005		0.00-	17	12.61-	16					GLOB	UNIF		WV	0	1
729	LOAD	X	9061005		12.61	07	12.61	06					GLOB	UNIF		WV	0	1
730	LOAD	Y	9061005		12.61	15	12.61	13					GLOB	UNIF		WV	0	1
731	LOAD	Z	9061005		12.61-	16	12.61-	14					GLOB	UNIF		WV	0	1
732	LOAD	X	9061005		25.22	06	12.61	1					GLOB	UNIF		WV	0	1
733	LOAD	Y	9061005		25.22	13	12.61	1					GLOB	UNIF		WV	0	1
734	LOAD	Z	9061005		25.22-	14	12.61-	1					GLOB	UNIF		WV	0	1
735	LOAD	X	9011004		0.00	21	12.61	20					GLOB	UNIF		WV	0	1

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     736 LOAD Y  9011004    0.00  20  12.61  19                    GLOB UNIF      WV 0 1
     737 LOAD Z  9011004    0.00  09  12.61  08                    GLOB UNIF      WV 0 1
     738 LOAD X  9011004   12.61  20  12.61  17                    GLOB UNIF      WV 0 1
     739 LOAD Y  9011004   12.61  19  12.61  16                    GLOB UNIF      WV 0 1
     740 LOAD Z  9011004   12.61  08  12.61  07                    GLOB UNIF      WV 0 1
     741 LOAD X  9011004   25.23  17  12.61  02                    GLOB UNIF      WV 0 1
     742 LOAD Y  9011004   25.23  16  12.61  02                    GLOB UNIF      WV 0 1
     743 LOAD Z  9011004   25.23  07  12.61   1                    GLOB UNIF      WV 0 1
     744 LOAD X  9061004    0.00  20  12.61  18                    GLOB UNIF      WV 0 1
     745 LOAD Y  9061004    0.00  23  12.61  21                    GLOB UNIF      WV 0 1
     746 LOAD Z  9061004    0.00- 07  12.61- 07                    GLOB UNIF      WV 0 1
     747 LOAD X  9061004   12.61  18  12.61  16                    GLOB UNIF      WV 0 1
     748 LOAD Y  9061004   12.61  21  12.61  19                    GLOB UNIF      WV 0 1
     749 LOAD Z  9061004   12.61- 07  12.61- 06                    GLOB UNIF      WV 0 1
     750 LOAD X  9061004   25.22  18  12.61  02                    GLOB UNIF      WV 0 1
     751 LOAD Y  9061004   25.22  19  12.61  02                    GLOB UNIF      WV 0 1
     752 LOAD Z  9061004   25.22- 00  12.61-  1                    GLOB UNIF      WV 0 1
     753 LOAD Y 10011002    0.00  03  15.15  03                    GLOB UNIF      WV 0 1
     754 LOAD Y 10011002   15.15  03  15.15  02                    GLOB UNIF      WV 0 1
     755 LOAD Y 10021003    0.00  02  10.10   1                    GLOB UNIF      WV 0 1
     756 LOAD Y 10021003   10.10   1  10.10   1                    GLOB UNIF      WV 0 1
     757 LOAD Y 10021003   20.21   1  10.10                        GLOB UNIF      WV 0 1
     758 LOAD X 10011004    0.00  03  10.10  03                    GLOB UNIF      WV 0 1
     759 LOAD Y 10011004    0.00  02  10.10  02                    GLOB UNIF      WV 0 1
     760 LOAD X 10011004   10.10  03  10.10  04                    GLOB UNIF      WV 0 1
     761 LOAD Y 10011004   10.10  02  10.10  02                    GLOB UNIF      WV 0 1
     762 LOAD X 10011004   20.21  04  10.10  04                    GLOB UNIF      WV 0 1
     763 LOAD Y 10011004   20.21  02  10.10  02                    GLOB UNIF      WV 0 1
     764 LOAD X 10041006    0.00  04  10.10  04                    GLOB UNIF      WV 0 1
     765 LOAD Y 10041006    0.00  02  10.10  02                    GLOB UNIF      WV 0 1
     766 LOAD X 10041006   10.10  04  10.10  05                    GLOB UNIF      WV 0 1
     767 LOAD Y 10041006   10.10  02  10.10  03                    GLOB UNIF      WV 0 1
     768 LOAD X 10041006   20.20  05  10.10  05                    GLOB UNIF      WV 0 1
     769 LOAD Y 10041006   20.20  03  10.10  03                    GLOB UNIF      WV 0 1
     770 LOAD X 10021005    0.00   1  30.31  02                    GLOB UNIF      WV 0 1
     771 LOAD Y 10021005    0.00   1  30.31   1                    GLOB UNIF      WV 0 1
     772 LOAD Y 10041005    0.00  02  15.15  02                    GLOB UNIF      WV 0 1
     773 LOAD Y 10041005   15.15  02  15.15  02                    GLOB UNIF      WV 0 1
     774 LOAD X  201 301    6.70  33   2.10  59                    GLOB UNIF      WV 0 1
     775 LOAD Y  201 301    6.70  58   2.10 102                    GLOB UNIF      WV 0 1
     776 LOAD X  201 301   10.80  59   2.10  84                    GLOB UNIF      WV 0 1
     777 LOAD Y  201 301   10.80 102   2.10 146                    GLOB UNIF      WV 0 1
     778 LOAD X  201 301   12.90  84   2.10  92                    GLOB UNIF      WV 0 1
     779 LOAD Y  201 301   12.90 146   2.10 159                    GLOB UNIF      WV 0 1
     780 LOAD X  203 303    7.21  29   2.00  51                    GLOB UNIF      WV 0 1
     781 LOAD Y  203 303    7.21  51   2.00  89                    GLOB UNIF      WV 0 1
     782 LOAD X  203 303    9.81  51   2.00  73                    GLOB UNIF      WV 0 1
     783 LOAD Y  203 303    9.81  89   2.00 127                    GLOB UNIF      WV 0 1
     784 LOAD X  203 303   12.40  73   2.00  85                    GLOB UNIF      WV 0 1
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STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.															
785	LOAD	Y	203	303	12.40	127	2.60	148		GLOB	UNIF	WV	0	1	
786	LOAD	X	206	306	14.47		.53	62		GLOB	UNIF	WV	0	1	
787	LOAD	Y	206	306	14.47		.53	106		GLOB	UNIF	WV	0	1	
788	LOAD	X	301	401	0.00	92	14.25	112		GLOB	UNIF	WV	0	1	
789	LOAD	Y	301	401	0.00	159	14.25	194		GLOB	UNIF	WV	0	1	
790	LOAD	X	301	401	14.25	112	14.25	74		GLOB	UNIF	WV	0	1	
791	LOAD	Y	301	401	14.25	194	14.25	127		GLOB	UNIF	WV	0	1	
792	LOAD	X	303	403	0.00	85	9.50	111		GLOB	UNIF	WV	0	1	
793	LOAD	Y	303	403	0.00	148	9.50	192		GLOB	UNIF	WV	0	1	
794	LOAD	X	303	403	9.50	111	9.50	98		GLOB	UNIF	WV	0	1	
795	LOAD	Y	303	403	9.50	192	9.50	170		GLOB	UNIF	WV	0	1	
796	LOAD	X	303	403	19.00	98	9.50	68		GLOB	UNIF	WV	0	1	
797	LOAD	Y	303	403	19.00	170	9.50	118		GLOB	UNIF	WV	0	1	
798	LOAD	X	306	406	0.00	62	14.25	108		GLOB	UNIF	WV	0	1	
799	LOAD	Y	306	406	0.00	108	14.25	187		GLOB	UNIF	WV	0	1	
800	LOAD	X	306	406	14.25	108	14.25	75		GLOB	UNIF	WV	0	1	
801	LOAD	Y	306	406	14.25	187	14.25	129		GLOB	UNIF	WV	0	1	
802	LOAD	X	401	501	0.00	110	4.56	101		GLOB	UNIF	WV	0	1	
803	LOAD	Y	401	501	0.00	210	4.56	198		GLOB	UNIF	WV	0	1	
804	LOAD	Z	401	501	0.00-	02	4.56-	02		GLOB	UNIF	WV	0	1	
805	LOAD	X	403	503	0.00	113	4.56	103		GLOB	UNIF	WV	0	1	
806	LOAD	Y	403	503	0.00	186	4.56	171		GLOB	UNIF	WV	0	1	
807	LOAD	Z	403	503	0.00-	32	4.56-	29		GLOB	UNIF	WV	0	1	
808	LOAD	X	406	506	0.00	128	4.56	118		GLOB	UNIF	WV	0	1	
809	LOAD	Y	406	506	0.00	207	4.56	189		GLOB	UNIF	WV	0	1	
810	LOAD	Z	406	506	0.00	34	4.56	32		GLOB	UNIF	WV	0	1	
811	LOAD	X	501	601	0.00	101	3.04	94		GLOB	UNIF	WV	0	1	
812	LOAD	Y	501	601	0.00	198	3.04	186		GLOB	UNIF	WV	0	1	
813	LOAD	Z	501	601	0.00-	02	3.04-	02		GLOB	UNIF	WV	0	1	
814	LOAD	X	501	601	3.04	94	3.04	88		GLOB	UNIF	WV	0	1	
815	LOAD	Y	501	601	3.04	186	3.04	175		GLOB	UNIF	WV	0	1	
816	LOAD	Z	501	601	3.04-	02	3.04-	02		GLOB	UNIF	WV	0	1	
817	LOAD	X	503	603	0.00	103	3.04	97		GLOB	UNIF	WV	0	1	
818	LOAD	Y	503	603	0.00	170	3.04	159		GLOB	UNIF	WV	0	1	
819	LOAD	Z	503	603	0.00-	29	3.04-	27		GLOB	UNIF	WV	0	1	
820	LOAD	X	503	603	3.04	97	3.04	91		GLOB	UNIF	WV	0	1	
821	LOAD	Y	503	603	3.04	159	3.04	149		GLOB	UNIF	WV	0	1	
822	LOAD	Z	503	603	3.04-	27	3.04-	25		GLOB	UNIF	WV	0	1	
823	LOAD	X	506	606	0.00	118	3.04	111		GLOB	UNIF	WV	0	1	
824	LOAD	Y	506	606	0.00	190	3.04	178		GLOB	UNIF	WV	0	1	
825	LOAD	Z	506	606	0.00	31	3.04	29		GLOB	UNIF	WV	0	1	
826	LOAD	X	506	606	3.04	111	3.04	104		GLOB	UNIF	WV	0	1	
827	LOAD	Y	506	606	3.04	178	3.04	167		GLOB	UNIF	WV	0	1	
828	LOAD	Z	506	606	3.04	29	3.04	28		GLOB	UNIF	WV	0	1	
829	LOAD	X	601	641	0.00	88	3.04	83		GLOB	UNIF	WV	0	1	
830	LOAD	Y	601	641	0.00	175	3.04	166		GLOB	UNIF	WV	0	1	
831	LOAD	Z	601	641	0.00-	02	3.04-	02		GLOB	UNIF	WV	0	1	
832	LOAD	X	601	641	3.04	83	3.04	79		GLOB	UNIF	WV	0	1	
833	LOAD	Y	601	641	3.04	166	3.04	157		GLOB	UNIF	WV	0	1	

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
   834  LOAD Z  801 841    3.04-    02    3.04-    02                GLOB UNIF     WV 0 1
   835  LOAD X  803 843    0.00     91    3.04     86                GLOB UNIF     WV 0 1
   836  LOAD Y  803 843    0.00    144    3.04    101                GLOB UNIF     WV 0 1
   837  LOAD Z  803 843    0.00-    26    3.04-    24                GLOB UNIF     WV 0 1
   838  LOAD X  803 843    3.04     86    3.04     81                GLOB UNIF     WV 0 1
   839  LOAD Y  803 843    3.04    141    3.04    132                GLOB UNIF     WV 0 1
   840  LOAD Z  803 843    3.04-    24    3.04-    23                GLOB UNIF     WV 0 1
   841  LOAD X  805 845    0.00    104    3.04     99                GLOB UNIF     WV 0 1
   842  LOAD Y  805 845    0.00    167    3.04    159                GLOB UNIF     WV 0 1
   843  LOAD Z  805 845    0.00     28    3.04     27                GLOB UNIF     WV 0 1
   844  LOAD X  805 845    3.04     99    3.04     94                GLOB UNIF     WV 0 1
   845  LOAD Y  805 845    3.04    159    3.04    150                GLOB UNIF     WV 0 1
   846  LOAD Z  805 845    3.04     27    3.04     25                GLOB UNIF     WV 0 1
   847  LOAD X  841 851    0.00    113    3.04    106                GLOB UNIF     WV 0 1
   848  LOAD Y  841 851    0.00    238    3.04    225                GLOB UNIF     WV 0 1
   849  LOAD Z  841 851    0.00-    03    3.04-    03                GLOB UNIF     WV 0 1
   850  LOAD X  841 851    3.04    106    3.04    101                GLOB UNIF     WV 0 1
   851  LOAD Y  841 851    3.04    225    3.04    214                GLOB UNIF     WV 0 1
   852  LOAD Z  841 851    3.04-    03    3.04-    03                GLOB UNIF     WV 0 1
   853  LOAD X  843 853    0.00    110    0.08    105                GLOB UNIF     WV 0 1
   854  LOAD Y  843 853    0.00    187    0.08    165                GLOB UNIF     WV 0 1
   855  LOAD Z  843 853    0.00-    33    0.08-    29                GLOB UNIF     WV 0 1
   856  LOAD X  845 855    0.00    148    0.08    134                GLOB UNIF     WV 0 1
   857  LOAD Y  845 855    0.00    233    0.08    210                GLOB UNIF     WV 0 1
   858  LOAD Z  845 855    0.00     39    0.08     35                GLOB UNIF     WV 0 1
   859  LOAD X  851 701    0.00    101    3.55     95                GLOB UNIF     WV 0 1
   860  LOAD Y  851 701    0.00    214    3.55    202                GLOB UNIF     WV 0 1
   861  LOAD Z  851 701    0.00-    03    3.55-    03                GLOB UNIF     WV 0 1
   862  LOAD X  851 701    3.55     95    3.55     89                GLOB UNIF     WV 0 1
   863  LOAD Y  851 701    3.55    202    3.55    190                GLOB UNIF     WV 0 1
   864  LOAD Z  851 701    3.55-    03    3.55-    03                GLOB UNIF     WV 0 1
   865  LOAD X  853 703    0.00    105    3.55     98                GLOB UNIF     WV 0 1
   866  LOAD Y  853 703    0.00    165    3.55    154                GLOB UNIF     WV 0 1
   867  LOAD Z  853 703    0.00-    29    3.55-    27                GLOB UNIF     WV 0 1
   868  LOAD X  855 705    3.55     98    3.55     92                GLOB UNIF     WV 0 1
   869  LOAD Y  855 705    3.55    154    3.55    144                GLOB UNIF     WV 0 1
   870  LOAD Z  855 705    3.55-    27    3.55-    25                GLOB UNIF     WV 0 1
   871  LOAD X  855 705    0.00    134    3.55    127                GLOB UNIF     WV 0 1
   872  LOAD Y  855 705    0.00    210    3.55    199                GLOB UNIF     WV 0 1
   873  LOAD Z  855 705    0.00     35    3.55     33                GLOB UNIF     WV 0 1
   874  LOAD X  855 705    3.55    127    3.55    120                GLOB UNIF     WV 0 1
   875  LOAD Y  855 705    3.55    199    3.55    187                GLOB UNIF     WV 0 1
   876  LOAD Z  855 705    3.55     33    3.55     31                GLOB UNIF     WV 0 1
   877  LOAD X  701 901    0.00     85    8.79     74                GLOB UNIF     WV 0 1
   878  LOAD Y  701 901    0.00    174    8.79    150                GLOB UNIF     WV 0 1
   879  LOAD Z  701 901    0.00-    03    8.79-    02                GLOB UNIF     WV 0 1
   880  LOAD X  701 901    8.79     74    8.79     66                GLOB UNIF     WV 0 1
   881  LOAD Y  701 901    8.79    150    8.79    130                GLOB UNIF     WV 0 1
   882  LOAD Z  701 901    8.79-    02    8.79-    02                GLOB UNIF     WV 0 1
```

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

883	LOAD	X	701	801	17.57	66	8.79	59			GLOB	UNIF		WV	0	1
884	LOAD	Y	701	801	17.57	138	8.79	122			GLOB	UNIF		WV	0	1
885	LOAD	Z	701	801	17.57-	02	8.79-	02			GLOB	UNIF		WV	0	1
886	LOAD	X	703	803	0.00	86	8.79	75			GLOB	UNIF		WV	0	1
887	LOAD	Y	703	803	0.00	139	8.79	118			GLOB	UNIF		WV	0	1
888	LOAD	Z	703	803	0.00-	24	8.79-	21			GLOB	UNIF		WV	0	1
889	LOAD	X	703	803	8.79	75	8.79	64			GLOB	UNIF		WV	0	1
890	LOAD	Y	703	803	8.79	118	8.79	102			GLOB	UNIF		WV	0	1
891	LOAD	Z	703	803	8.79-	21	8.79-	18			GLOB	UNIF		WV	0	1
892	LOAD	X	703	803	17.57	64	8.79	55			GLOB	UNIF		WV	0	1
893	LOAD	Y	703	803	17.57	102	8.79	88			GLOB	UNIF		WV	0	1
894	LOAD	Z	703	803	17.57-	18	8.79-	15			GLOB	UNIF		WV	0	1
895	LOAD	X	706	806	0.00	112	8.79	99			GLOB	UNIF		WV	0	1
896	LOAD	Y	706	806	0.00	176	8.79	155			GLOB	UNIF		WV	0	1
897	LOAD	Z	706	806	0.00	29	8.79	26			GLOB	UNIF		WV	0	1
898	LOAD	X	706	806	8.79	99	8.79	88			GLOB	UNIF		WV	0	1
899	LOAD	Y	706	806	8.79	155	8.79	139			GLOB	UNIF		WV	0	1
900	LOAD	Z	706	806	8.79	26	8.79	23			GLOB	UNIF		WV	0	1
901	LOAD	X	706	806	17.57	88	8.79	79			GLOB	UNIF		WV	0	1
902	LOAD	Y	706	806	17.57	139	8.79	125			GLOB	UNIF		WV	0	1
903	LOAD	Z	706	806	17.57	23	8.79	21			GLOB	UNIF		WV	0	1
904	LOAD	X	801	901	0.00	59	9.12	53			GLOB	UNIF		WV	0	1
905	LOAD	Y	801	901	0.00	122	9.12	109			GLOB	UNIF		WV	0	1
906	LOAD	Z	801	901	0.00-	02	9.12-	1			GLOB	UNIF		WV	0	1
907	LOAD	X	801	901	9.12	55	9.12	49			GLOB	UNIF		WV	0	1
908	LOAD	Y	801	901	9.12	109	9.12	98			GLOB	UNIF		WV	0	1
909	LOAD	Z	801	901	9.12-	1	9.12-	1			GLOB	UNIF		WV	0	1
910	LOAD	X	801	901	18.25	49	9.12	46			GLOB	UNIF		WV	0	1
911	LOAD	Y	801	901	18.25	98	9.12	90			GLOB	UNIF		WV	0	1
912	LOAD	Z	801	901	18.25-	1	9.12-	1			GLOB	UNIF		WV	0	1
913	LOAD	X	803	903	0.00	55	9.12	48			GLOB	UNIF		WV	0	1
914	LOAD	Y	803	903	0.00	88	9.12	76			GLOB	UNIF		WV	0	1
915	LOAD	Z	803	903	0.00-	15	9.12-	13			GLOB	UNIF		WV	0	1
916	LOAD	X	803	903	9.12	48	9.12	41			GLOB	UNIF		WV	0	1
917	LOAD	Y	803	903	9.12	76	9.12	67			GLOB	UNIF		WV	0	1
918	LOAD	Z	803	903	9.12-	13	9.12-	12			GLOB	UNIF		WV	0	1
919	LOAD	X	803	903	18.25	41	9.12	36			GLOB	UNIF		WV	0	1
920	LOAD	Y	803	903	18.25	67	9.12	59			GLOB	UNIF		WV	0	1
921	LOAD	Z	803	903	18.25-	12	9.12-	10			GLOB	UNIF		WV	0	1
922	LOAD	X	806	906	0.00	79	9.12	72			GLOB	UNIF		WV	0	1
923	LOAD	Y	806	906	0.00	125	9.12	114			GLOB	UNIF		WV	0	1
924	LOAD	Z	806	906	0.00	21	9.12	19			GLOB	UNIF		WV	0	1
925	LOAD	X	806	906	9.12	72	9.12	66			GLOB	UNIF		WV	0	1
926	LOAD	Y	806	906	9.12	114	9.12	106			GLOB	UNIF		WV	0	1
927	LOAD	Z	806	906	9.12	19	9.12	18			GLOB	UNIF		WV	0	1
928	LOAD	X	806	906	18.25	86	9.12	81			GLOB	UNIF		WV	0	1
929	LOAD	Y	806	906	18.25	106	9.12	99			GLOB	UNIF		WV	0	1
930	LOAD	Z	806	906	18.25	18	9.12	17			GLOB	UNIF		WV	0	1
931	LOAD	X	9011001		0.00	46	9.12	44			GLOB	UNIF		WV	0	1

50 YR STORM

S T R A N I N P U T D A T A

U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

| LINE NO. | | |

STRAN INPUT DATA

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
1030	LOAD Y	501 504	0.00	17	15.15	17					GLOB UNIF		WV 0 2		
1031	LOAD Z	501 504	0.00-	09	15.15-	07					GLOB UNIF		WV 0 2		
1032	LOAD X	504 506	0.00	30	15.15	29					GLOB UNIF		WV 0 2		
1033	LOAD Y	504 506	0.00	17	15.15	17					GLOB UNIF		WV 0 2		
1034	LOAD Z	504 506	0.00-	07	15.15-	03					GLOB UNIF		WV 0 2		
1035	LOAD X	502 504	0.00-	24	15.15-	24					GLOB UNIF		WV 0 2		
1036	LOAD Y	502 504	0.00	14	15.15	14					GLOB UNIF		WV 0 2		
1037	LOAD Z	502 504	0.00-	06	15.15-	04					GLOB UNIF		WV 0 2		
1038	LOAD X	502 505	0.00	24	15.15	24					GLOB UNIF		WV 0 2		
1039	LOAD Y	502 505	0.00	14	15.15	14					GLOB UNIF		WV 0 2		
1040	LOAD Z	502 505	0.00-	06	15.15-	04					GLOB UNIF		WV 0 2		
1041	LOAD Y	504 505	0.00	55	15.14	55					GLOB UNIF		WV 0 2		
1042	LOAD Z	504 505	0.00-	04	15.14-	04					GLOB UNIF		WV 0 2		
1043	LOAD X	501 513	0.00	25	3.00	25					GLOB UNIF		WV 0 2		
1044	LOAD Y	501 513	0.00	39	3.00	39					GLOB UNIF		WV 0 2		
1045	LOAD Z	501 513	0.00-	05	3.00-	05					GLOB UNIF		WV 0 2		
1046	LOAD X	503 514	0.00-	23	3.00-	23					GLOB UNIF		WV 0 2		
1047	LOAD Y	503 514	0.00	39	3.00	39					GLOB UNIF		WV 0 2		
1048	LOAD Z	503 514	0.00-	05	3.00-	05					GLOB UNIF		WV 0 2		
1049	LOAD Y	515 651	0.00	174	6.00	153					GLOB UNIF		WV 0 2		
1050	LOAD Y	513 651	6.00	153	6.00	137					GLOB UNIF		WV 0 2		
1051	LOAD Y	513 651	12.00	137	6.00	123					GLOB UNIF		WV 0 2		
1052	LOAD Y	514 653	6.00	174	6.00	153					GLOB UNIF		WV 0 2		
1053	LOAD Y	514 653	6.00	153	6.00	137					GLOB UNIF		WV 0 2		
1054	LOAD Y	514 653	12.00	137	6.00	123					GLOB UNIF		WV 0 2		
1055	LOAD Z	601 611	0.00-	06	6.00-	07					GLOB UNIF		WV 0 2		
1056	LOAD Z	603 613	0.00-	06	6.00-	07					GLOB UNIF		WV 0 2		
1057	LOAD Y	611 612	0.00	45	16.01	45					GLOB UNIF		WV 0 2		
1058	LOAD Z	611 612	0.00-	05	16.01-	05					GLOB UNIF		WV 0 2		
1059	LOAD Y	612 613	0.00	45	16.01	45					GLOB UNIF		WV 0 2		
1060	LOAD Z	612 613	0.00-	05	16.01-	05					GLOB UNIF		WV 0 2		
1061	LOAD Y	661 662	0.00	81	17.75	81					GLOB UNIF		WV 0 2		
1062	LOAD Z	661 662	0.00-	05	17.75-	05					GLOB UNIF		WV 0 2		
1063	LOAD Y	662 663	0.00	81	17.75	81					GLOB UNIF		WV 0 2		
1064	LOAD Z	662 663	0.00-	05	17.75-	05					GLOB UNIF		WV 0 2		
1065	LOAD X	611 661	0.00-	04	6.06-	04					GLOB UNIF		WV 0 2		
1066	LOAD Y	611 661	0.00	109	6.06	98					GLOB UNIF		WV 0 2		
1067	LOAD Z	611 661	0.00-	1	6.06-	1					GLOB UNIF		WV 0 2		
1068	LOAD X	611 661	6.06-	04	6.06-	04					GLOB UNIF		WV 0 2		
1069	LOAD Y	611 661	6.06	98	6.06	88					GLOB UNIF		WV 0 2		
1070	LOAD Z	611 661	6.06-	1	6.06						GLOB UNIF		WV 0 2		
1071	LOAD Y	612 662	0.00	74	6.00	66					GLOB UNIF		WV 0 2		
1072	LOAD Y	612 662	6.00	66	6.00	59					GLOB UNIF		WV 0 2		
1073	LOAD X	613 663	0.00	04	6.06	04					GLOB UNIF		WV 0 2		
1074	LOAD Y	613 663	0.00	109	6.06	98					GLOB UNIF		WV 0 2		
1075	LOAD Z	613 663	0.00-	1	6.06-	1					GLOB UNIF		WV 0 2		
1076	LOAD X	613 663	6.06	04	6.06	04					GLOB UNIF		WV 0 2		
1077	LOAD Y	613 663	6.06	98	6.06	88					GLOB UNIF		WV 0 2		
1078	LOAD Z	613 663	6.06-	1	6.06						GLOB UNIF		WV 0 2		

LINE NO.																					
1079	LOAD	X	501	642	0.00	03	10.12	03					GLOB	UNIF	WV	0	2				
1080	LOAD	Y	501	642	0.00	87	10.12	77					GLOB	UNIF	WV	0	2				
1081	LOAD	Z	501	642	0.00-	12	10.12-	11					GLOB	UNIF	WV	0	2				
1082	LOAD	X	501	642	10.12	03	10.12	03					GLOB	UNIF	WV	0	2				
1083	LOAD	Y	501	642	10.12	77	10.12	69					GLOB	UNIF	WV	0	2				
1084	LOAD	Z	501	642	10.12-	11	10.12-	10					GLOB	UNIF	WV	0	2				
1085	LOAD	X	503	645	0.00-	26	6.75-	23					GLOB	UNIF	WV	0	2				
1086	LOAD	Y	503	645	0.00	36	6.75	33					GLOB	UNIF	WV	0	2				
1087	LOAD	Z	503	645	0.00	28	6.75	26					GLOB	UNIF	WV	0	2				
1088	LOAD	X	503	645	6.75-	23	6.75-	22					GLOB	UNIF	WV	0	2				
1089	LOAD	Y	503	645	6.75	33	6.75	31					GLOB	UNIF	WV	0	2				
1090	LOAD	Z	503	645	6.75	26	6.75	25					GLOB	UNIF	WV	0	2				
1091	LOAD	X	503	645	13.50-	22	6.75-	20					GLOB	UNIF	WV	0	2				
1092	LOAD	Y	503	645	13.50	31	6.75	29					GLOB	UNIF	WV	0	2				
1093	LOAD	Z	503	645	13.50	25	6.75	23					GLOB	UNIF	WV	0	2				
1094	LOAD	X	506	644	0.00	24	10.12	21					GLOB	UNIF	WV	0	2				
1095	LOAD	Y	506	644	0.00	49	10.12	47					GLOB	UNIF	WV	0	2				
1096	LOAD	Z	506	644	0.00-	38	10.12-	37					GLOB	UNIF	WV	0	2				
1097	LOAD	X	506	644	10.12	21	10.12	18					GLOB	UNIF	WV	0	2				
1098	LOAD	Y	506	644	10.12	47	10.12	43					GLOB	UNIF	WV	0	2				
1099	LOAD	Z	506	644	10.12-	37	10.12-	35					GLOB	UNIF	WV	0	2				
1100	LOAD	X	642	703	0.00	02	7.31	02					GLOB	UNIF	WV	0	2				
1101	LOAD	Y	642	703	0.00	104	7.31	96					GLOB	UNIF	WV	0	2				
1102	LOAD	Z	642	703	0.00-	11	7.31-	10					GLOB	UNIF	WV	0	2				
1103	LOAD	X	642	703	7.31	02	7.31	02					GLOB	UNIF	WV	0	2				
1104	LOAD	Y	642	703	7.31	96	7.31	89					GLOB	UNIF	WV	0	2				
1105	LOAD	Z	642	703	7.31-	10	7.31-	10					GLOB	UNIF	WV	0	2				
1106	LOAD	X	642	703	14.62	02	7.31	02					GLOB	UNIF	WV	0	2				
1107	LOAD	Y	642	703	14.62	89	7.31	82					GLOB	UNIF	WV	0	2				
1108	LOAD	Z	642	703	14.62-	10	7.31-	09					GLOB	UNIF	WV	0	2				
1109	LOAD	X	645	706	0.00-	29	7.31-	26					GLOB	UNIF	WV	0	2				
1110	LOAD	Y	645	706	0.00	46	7.31	42					GLOB	UNIF	WV	0	2				
1111	LOAD	Z	645	706	0.00	38	7.31	36					GLOB	UNIF	WV	0	2				
1112	LOAD	X	645	706	7.31-	26	7.31-	24					GLOB	UNIF	WV	0	2				
1113	LOAD	Y	645	706	7.31	42	7.31	39					GLOB	UNIF	WV	0	2				
1114	LOAD	Z	645	706	7.31	36	7.31	33					GLOB	UNIF	WV	0	2				
1115	LOAD	X	645	706	14.62-	24	7.31-	21					GLOB	UNIF	WV	0	2				
1116	LOAD	Y	645	706	14.62	39	7.31	36					GLOB	UNIF	WV	0	2				
1117	LOAD	Z	645	706	14.62	33	7.31	31					GLOB	UNIF	WV	0	2				
1118	LOAD	X	644	701	0.00	28	10.97	25					GLOB	UNIF	WV	0	2				
1119	LOAD	Y	644	701	0.00	61	10.97	55					GLOB	UNIF	WV	0	2				
1120	LOAD	Z	644	701	0.00-	48	10.97-	44					GLOB	UNIF	WV	0	2				
1121	LOAD	X	644	701	10.97	25	10.97	22					GLOB	UNIF	WV	0	2				
1122	LOAD	Y	644	701	10.97	55	10.97	49					GLOB	UNIF	WV	0	2				
1123	LOAD	Z	644	701	10.97-	44	10.97-	39					GLOB	UNIF	WV	0	2				
1124	LOAD	Y	701	702	0.00	55	16.76	55					GLOB	UNIF	WV	0	2				
1125	LOAD	Z	701	702	0.00-	03	16.76-	03					GLOB	UNIF	WV	0	2				
1126	LOAD	Y	702	703	0.00	55	16.76	55					GLOB	UNIF	WV	0	2				
1127	LOAD	Z	702	703	0.00-	03	16.76-	03					GLOB	UNIF	WV	0	2				

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.											
1128	LOAD	X	703	705	0.00-	24	18.76-	23	GLOB	UNIF	WV 0 2
1129	LOAD	Y	703	705	0.00	14	18.76	14	GLOB	UNIF	WV 0 2
1130	LOAD	Z	703	705	0.00-	03	18.76-	02	GLOB	UNIF	WV 0 2
1131	LOAD	X	705	706	0.00-	23	18.75-	22	GLOB	UNIF	WV 0 2
1132	LOAD	Y	705	706	0.00	14	18.75	13	GLOB	UNIF	WV 0 2
1133	LOAD	Z	705	706	0.00-	02	18.75		GLOB	UNIF	WV 0 2
1134	LOAD	X	701	704	0.00	24	18.76	23	GLOB	UNIF	WV 0 2
1135	LOAD	Y	701	704	0.00	14	18.76	14	GLOB	UNIF	WV 0 2
1136	LOAD	Z	701	704	0.00-	03	18.76-	02	GLOB	UNIF	WV 0 2
1137	LOAD	X	704	706	0.00	23	18.75	22	GLOB	UNIF	WV 0 2
1138	LOAD	Y	704	706	0.00	14	18.75	13	GLOB	UNIF	WV 0 2
1139	LOAD	Z	704	706	0.00-	02	18.75		GLOB	UNIF	WV 0 2
1140	LOAD	X	702	704	0.00-	21	18.76-	21	GLOB	UNIF	WV 0 2
1141	LOAD	Y	702	704	0.00	12	18.76	12	GLOB	UNIF	WV 0 2
1142	LOAD	Z	702	704	0.00-	08	18.76-	07	GLOB	UNIF	WV 0 2
1143	LOAD	X	702	705	0.00	21	18.76	21	GLOB	UNIF	WV 0 2
1144	LOAD	Y	702	705	0.00	12	18.76	12	GLOB	UNIF	WV 0 2
1145	LOAD	Z	702	705	0.00-	08	18.76-	07	GLOB	UNIF	WV 0 2
1146	LOAD	Y	704	705	0.00	49	18.76	49	GLOB	UNIF	WV 0 2
1147	LOAD	Z	704	705	0.00-	07	18.76-	07	GLOB	UNIF	WV 0 2
1148	LOAD	X	701	806	0.00	26	18.27	23	GLOB	UNIF	WV 0 2
1149	LOAD	Y	701	806	0.00	31	18.27	28	GLOB	UNIF	WV 0 2
1150	LOAD	Z	701	806	0.00	26	18.27	23	GLOB	UNIF	WV 0 2
1151	LOAD	X	701	806	18.27	23	18.27	19	GLOB	UNIF	WV 0 2
1152	LOAD	Y	701	806	18.27	28	18.27	25	GLOB	UNIF	WV 0 2
1153	LOAD	Z	701	806	18.27	23	18.27	21	GLOB	UNIF	WV 0 2
1154	LOAD	X	701	806	32.55	19	18.27	16	GLOB	UNIF	WV 0 2
1155	LOAD	Y	701	806	32.55	25	18.27	22	GLOB	UNIF	WV 0 2
1156	LOAD	Z	701	806	32.55	21	18.27	19	GLOB	UNIF	WV 0 2
1157	LOAD	X	703	801	0.00-	02	18.28-	1	GLOB	UNIF	WV 0 2
1158	LOAD	Y	703	801	0.00	82	18.28	71	GLOB	UNIF	WV 0 2
1159	LOAD	Z	703	801	0.00-	09	18.28-	08	GLOB	UNIF	WV 0 2
1160	LOAD	X	703	801	18.28-	1	18.28-	1	GLOB	UNIF	WV 0 2
1161	LOAD	Y	703	801	18.28	71	18.28	63	GLOB	UNIF	WV 0 2
1162	LOAD	Z	703	801	18.28-	08	18.28-	07	GLOB	UNIF	WV 0 2
1163	LOAD	X	703	801	32.55-	1	18.28-	1	GLOB	UNIF	WV 0 2
1164	LOAD	Y	703	801	32.55	63	18.28	55	GLOB	UNIF	WV 0 2
1165	LOAD	Z	703	801	32.55-	07	18.28-	06	GLOB	UNIF	WV 0 2
1166	LOAD	X	706	803	0.00-	25	18.28-	22	GLOB	UNIF	WV 0 2
1167	LOAD	Y	706	803	0.00	41	18.28	39	GLOB	UNIF	WV 0 2
1168	LOAD	Z	706	803	0.00-	33	18.28-	33	GLOB	UNIF	WV 0 2
1169	LOAD	X	706	803	18.28-	22	18.28-	19	GLOB	UNIF	WV 0 2
1170	LOAD	Y	706	803	18.28	39	18.28	34	GLOB	UNIF	WV 0 2
1171	LOAD	Z	706	803	18.28-	33	18.28-	29	GLOB	UNIF	WV 0 2
1172	LOAD	X	706	803	32.55-	19	18.28-	16	GLOB	UNIF	WV 0 2
1173	LOAD	Y	706	803	32.55	34	18.28	30	GLOB	UNIF	WV 0 2
1174	LOAD	Z	706	803	32.55-	29	18.28-	25	GLOB	UNIF	WV 0 2
1175	LOAD	Y	801	802	0.00	37	22.51	37	GLOB	UNIF	WV 0 2
1176	LOAD	Z	801	802	0.00-	02	22.51-	02	GLOB	UNIF	WV 0 2

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

| LINE NO. | | |

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

| LINE NO. | | |

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                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1275 LOAD X  9031005  12.61-  06  12.61-  05                    GLOB UNIF     WV 0 2
    1276 LOAD Y  9031005  12.61   18  12.61   16                    GLOB UNIF     WV 0 2
    1277 LOAD Z  9031005  12.61   14  12.61   12                    GLOB UNIF     WV 0 2
    1278 LOAD X  9031005  25.23-  05  12.61-   1                    GLOB UNIF     WV 0 2
    1279 LOAD Y  9031005  25.23   16  12.61   02                    GLOB UNIF     WV 0 2
    1280 LOAD Z  9031005  25.23   12  12.61    1                    GLOB UNIF     WV 0 2
    1281 LOAD X  9061005   0.00-  07  12.61-  07                    GLOB UNIF     WV 0 2
    1282 LOAD Y  9061005   0.00   22  12.61   21                    GLOB UNIF     WV 0 2
    1283 LOAD Z  9061005   0.00-  13  12.61-  13                    GLOB UNIF     WV 0 2
    1284 LOAD X  9061005  12.61-  07  12.61-  06                    GLOB UNIF     WV 0 2
    1285 LOAD Y  9061005  12.61   21  12.61   18                    GLOB UNIF     WV 0 2
    1286 LOAD Z  9061005  12.61-  13  12.61-  11                    GLOB UNIF     WV 0 2
    1287 LOAD X  9061005  25.22-  06  12.61-   1                    GLOB UNIF     WV 0 2
    1288 LOAD Y  9061005  25.22   18  12.61   02                    GLOB UNIF     WV 0 2
    1289 LOAD Z  9061005  25.22-  11  12.61-   1                    GLOB UNIF     WV 0 2
    1290 LOAD X  9011004   0.00   07  12.61   06                    GLOB UNIF     WV 0 2
    1291 LOAD Y  9011004   0.00   19  12.61   18                    GLOB UNIF     WV 0 2
    1292 LOAD Z  9011004   0.00   14  12.61   14                    GLOB UNIF     WV 0 2
    1293 LOAD X  9011004  12.61   06  12.61   05                    GLOB UNIF     WV 0 2
    1294 LOAD Y  9011004  12.61   18  12.61   16                    GLOB UNIF     WV 0 2
    1295 LOAD Z  9011004  12.61   14  12.61   12                    GLOB UNIF     WV 0 2
    1296 LOAD X  9011004  25.23   05  12.61    1                    GLOB UNIF     WV 0 2
    1297 LOAD Y  9011004  25.23   16  12.61   02                    GLOB UNIF     WV 0 2
    1298 LOAD Z  9011004  25.23   12  12.61    1                    GLOB UNIF     WV 0 2
    1299 LOAD X  9061004   0.00   07  12.61   07                    GLOB UNIF     WV 0 2
    1300 LOAD Y  9061004   0.00   22  12.61   21                    GLOB UNIF     WV 0 2
    1301 LOAD Z  9061004   0.00-  13  12.61-  13                    GLOB UNIF     WV 0 2
    1302 LOAD X  9061004  12.61   07  12.61   06                    GLOB UNIF     WV 0 2
    1303 LOAD Y  9061004  12.61   21  12.61   18                    GLOB UNIF     WV 0 2
    1304 LOAD Z  9061004  12.61-  13  12.61-  11                    GLOB UNIF     WV 0 2
    1305 LOAD X  9061004  25.22   06  12.61    1                    GLOB UNIF     WV 0 2
    1306 LOAD Y  9061004  25.22   18  12.61   02                    GLOB UNIF     WV 0 2
    1307 LOAD Z  9061004  25.22-  11  12.61-   1                    GLOB UNIF     WV 0 2
    1308 LOAD Y 10011002   0.00   02  30.31   02                    GLOB UNIF     WV 0 2
    1309 LOAD Y 10021003   0.00   02  30.31   02                    GLOB UNIF     WV 0 2
    1310 LOAD X 10031005   0.00-   1  10.10-   1                    GLOB UNIF     WV 0 2
    1311 LOAD Y 10031005   0.00      10.10    1                    GLOB UNIF     WV 0 2
    1312 LOAD X 10031005  10.10-   1  10.10-  02                    GLOB UNIF     WV 0 2
    1313 LOAD Y 10031005  10.10    1  10.10    1                    GLOB UNIF     WV 0 2
    1314 LOAD X 10031005  20.21-  02  10.10-  02                    GLOB UNIF     WV 0 2
    1315 LOAD Y 10031005  20.21    1  10.10    1                    GLOB UNIF     WV 0 2
    1316 LOAD X 10051006   0.00-  02  10.10-  02                    GLOB UNIF     WV 0 2
    1317 LOAD Y 10051006   0.00    1  10.10    1                    GLOB UNIF     WV 0 2
    1318 LOAD X 10051006  10.10-  02  10.10-  03                    GLOB UNIF     WV 0 2
    1319 LOAD Y 10051006  10.10    1  10.10   02                    GLOB UNIF     WV 0 2
    1320 LOAD X 10051006  20.20-  03  10.10-  03                    GLOB UNIF     WV 0 2
    1321 LOAD Y 10051006  20.20   02  10.10   02                    GLOB UNIF     WV 0 2
    1322 LOAD X 10011004   0.00    1  10.10    1                    GLOB UNIF     WV 0 2
    1323 LOAD Y 10011004   0.00      10.10    1                    GLOB UNIF     WV 0 2
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STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1324 LOAD X 10011004   10.10       1  10.10      02          GLOB UNIF     WV 0 2
    1325 LOAD Y 10011004   10.10       1  10.10       1          GLOB UNIF     WV 0 2
    1326 LOAD X 10011004   20.21      02  10.10      02          GLOB UNIF     WV 0 2
    1327 LOAD Y 10011004   20.21       1  10.10       1          GLOB UNIF     WV 0 2
    1328 LOAD X 10041006    0.00      02  10.10      02          GLOB UNIF     WV 0 2
    1329 LOAD Y 10041006    0.00       1  10.10       1          GLOB UNIF     WV 0 2
    1330 LOAD X 10041006   10.10      02  10.10      03          GLOB UNIF     WV 0 2
    1331 LOAD Y 10041006   10.10       1  10.10      02          GLOB UNIF     WV 0 2
    1332 LOAD X 10041006   20.20      03  10.10      03          GLOB UNIF     WV 0 2
    1333 LOAD Y 10041006   20.20      02  10.10      02          GLOB UNIF     WV 0 2
    1334 LOAD X 10021004    0.00-      1  15.15-      1          GLOB UNIF     WV 0 2
    1335 LOAD X 10021004   15.15-      1  15.15-      1          GLOB UNIF     WV 0 2
    1336 LOAD Y 10021004   15.15          15.15       1          GLOB UNIF     WV 0 2
    1337 LOAD X 10021005    0.00       1  15.15       1          GLOB UNIF     WV 0 2
    1338 LOAD X 10021005   15.15       1  15.15       1          GLOB UNIF     WV 0 2
    1339 LOAD Y 10021005   15.15          15.15       1          GLOB UNIF     WV 0 2
    1340 LOAD Y 10041005    0.00      03  30.30      03          GLOB UNIF     WV 0 2
    1341 LOAD Y  201 301    6.44      95   2.85     131          GLOB UNIF     WV 0 2
    1342 LOAD Y  201 301    9.29     131   2.85     167          GLOB UNIF     WV 0 2
    1343 LOAD Y  201 301   12.15     167   2.85     190          GLOB UNIF     WV 0 2
    1344 LOAD Y  203 303    6.44      95   2.85     131          GLOB UNIF     WV 0 2
    1345 LOAD Y  203 303    9.29     131   2.85     167          GLOB UNIF     WV 0 2
    1346 LOAD Y  203 303   12.15     167   2.85     190          GLOB UNIF     WV 0 2
    1347 LOAD Y  301 401    0.00     190   9.50     238          GLOB UNIF     WV 0 2
    1348 LOAD Y  301 401    9.50     238   9.50     206          GLOB UNIF     WV 0 2
    1349 LOAD Y  301 401   14.00     206   9.50     143          GLOB UNIF     WV 0 2
    1350 LOAD Y  303 403    0.00     190   9.50     238          GLOB UNIF     WV 0 2
    1351 LOAD Y  303 403    9.50     238   9.50     206          GLOB UNIF     WV 0 2
    1352 LOAD Y  303 403   14.00     206   9.50     143          GLOB UNIF     WV 0 2
    1353 LOAD Y  306 406    0.00           9.50     205          GLOB UNIF     WV 0 2
    1354 LOAD Y  306 406    9.50     205   9.50     210          GLOB UNIF     WV 0 2
    1355 LOAD Y  306 406   19.00     210   9.50     148          GLOB UNIF     WV 0 2
    1356 LOAD X  401 501    0.00-     09   4.56-     09          GLOB UNIF     WV 0 2
    1357 LOAD Y  401 501    0.00      234  4.56      214         GLOB UNIF     WV 0 2
    1358 LOAD Z  401 501    0.00-     21   4.56-     19          GLOB UNIF     WV 0 2
    1359 LOAD X  403 503    0.00      09   4.56      09          GLOB UNIF     WV 0 2
    1360 LOAD Y  403 503    0.00      234  4.56      214         GLOB UNIF     WV 0 2
    1361 LOAD Z  403 503    0.00-     21   4.56-     19          GLOB UNIF     WV 0 2
    1362 LOAD Y  406 506    0.00      240  4.56      220         GLOB UNIF     WV 0 2
    1363 LOAD Z  406 506    0.00      40   4.56      37          GLOB UNIF     WV 0 2
    1364 LOAD X  501 601    0.00-     09   3.04-     08          GLOB UNIF     WV 0 2
    1365 LOAD Y  501 601    0.00      214  3.04      200         GLOB UNIF     WV 0 2
    1366 LOAD Z  501 601    0.00-     19   3.04-     18          GLOB UNIF     WV 0 2
    1367 LOAD X  501 601    3.04-     08   3.04-     08          GLOB UNIF     WV 0 2
    1368 LOAD Y  501 601    3.04      200  3.04      188         GLOB UNIF     WV 0 2
    1369 LOAD Z  501 601    3.04-     18   3.04-     17          GLOB UNIF     WV 0 2
    1370 LOAD X  503 603    0.00      09   3.04      08          GLOB UNIF     WV 0 2
    1371 LOAD Y  503 603    0.00      214  3.04      200         GLOB UNIF     WV 0 2
    1372 LOAD Z  503 603    0.00-     19   3.04-     18          GLOB UNIF     WV 0 2
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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1373	LOAD	X	503	603	3.04	08	3.04	08	GLOB	UNIF	WV	0	2		
1374	LOAD	Y	503	603	3.04	200	3.04	188	GLOB	UNIF	WV	0	2		
1375	LOAD	Z	503	603	3.04-	18	3.04-	17	GLOB	UNIF	WV	0	2		
1376	LOAD	Y	506	606	0.00	220	3.04	207	GLOB	UNIF	WV	0	2		
1377	LOAD	Z	506	606	0.00	36	3.04	34	GLOB	UNIF	WV	0	2		
1378	LOAD	Y	506	606	3.04	207	3.04	195	GLOB	UNIF	WV	0	2		
1379	LOAD	Z	506	606	3.04	34	3.04	32	GLOB	UNIF	WV	0	2		
1380	LOAD	X	601	641	0.00-	08	3.04-	08	GLOB	UNIF	WV	0	2		
1381	LOAD	Y	601	641	0.00	188	3.04	178	GLOB	UNIF	WV	0	2		
1382	LOAD	Z	601	641	0.00-	17	3.04-	16	GLOB	UNIF	WV	0	2		
1383	LOAD	X	601	641	3.04-	08	3.04-	08	GLOB	UNIF	WV	0	2		
1384	LOAD	Y	601	641	3.04	178	3.04	168	GLOB	UNIF	WV	0	2		
1385	LOAD	Z	601	641	3.04-	16	3.04-	15	GLOB	UNIF	WV	0	2		
1386	LOAD	X	603	643	0.00	08	3.04	08	GLOB	UNIF	WV	0	2		
1387	LOAD	Y	603	643	0.00	188	3.04	178	GLOB	UNIF	WV	0	2		
1388	LOAD	Z	603	643	0.00-	17	3.04-	16	GLOB	UNIF	WV	0	2		
1389	LOAD	X	603	643	3.04	08	3.04	08	GLOB	UNIF	WV	0	2		
1390	LOAD	Y	603	643	3.04	178	3.04	168	GLOB	UNIF	WV	0	2		
1391	LOAD	Z	603	643	3.04-	16	3.04-	15	GLOB	UNIF	WV	0	2		
1392	LOAD	Y	606	646	0.00	195	6.08	175	GLOB	UNIF	WV	0	2		
1393	LOAD	Z	606	646	0.00	33	6.08	29	GLOB	UNIF	WV	0	2		
1394	LOAD	X	641	651	0.00-	17	3.04-	17	GLOB	UNIF	WV	0	2		
1395	LOAD	Y	641	651	0.00	245	3.04	231	GLOB	UNIF	WV	0	2		
1396	LOAD	Z	641	651	0.00-	23	3.04-	22	GLOB	UNIF	WV	0	2		
1397	LOAD	X	641	651	3.04-	17	3.04-	16	GLOB	UNIF	WV	0	2		
1398	LOAD	Y	641	651	3.04	231	3.04	219	GLOB	UNIF	WV	0	2		
1399	LOAD	Z	641	651	3.04-	22	3.04-	20	GLOB	UNIF	WV	0	2		
1400	LOAD	X	643	653	0.00	17	3.04	17	GLOB	UNIF	WV	0	2		
1401	LOAD	Y	643	653	0.00	245	3.04	231	GLOB	UNIF	WV	0	2		
1402	LOAD	Z	643	653	0.00-	23	3.04-	22	GLOB	UNIF	WV	0	2		
1403	LOAD	X	643	653	3.04	17	3.04	16	GLOB	UNIF	WV	0	2		
1404	LOAD	Y	643	653	3.04	231	3.04	219	GLOB	UNIF	WV	0	2		
1405	LOAD	Z	643	653	3.04-	22	3.04-	20	GLOB	UNIF	WV	0	2		
1406	LOAD	Y	646	656	0.00	275	6.08	249	GLOB	UNIF	WV	0	2		
1407	LOAD	Z	646	656	0.00	46	6.08	41	GLOB	UNIF	WV	0	2		
1408	LOAD	X	651	701	0.00-	16	3.55-	15	GLOB	UNIF	WV	0	2		
1409	LOAD	Y	651	701	0.00	219	3.55	205	GLOB	UNIF	WV	0	2		
1410	LOAD	Z	651	701	0.00-	20	3.55-	19	GLOB	UNIF	WV	0	2		
1411	LOAD	X	651	701	3.55-	15	3.55-	14	GLOB	UNIF	WV	0	2		
1412	LOAD	Y	651	701	3.55	205	3.55	191	GLOB	UNIF	WV	0	2		
1413	LOAD	Z	651	701	3.55-	19	3.55-	18	GLOB	UNIF	WV	0	2		
1414	LOAD	X	653	703	0.00	16	3.55	15	GLOB	UNIF	WV	0	2		
1415	LOAD	Y	653	703	0.00	219	3.55	205	GLOB	UNIF	WV	0	2		
1416	LOAD	Z	653	703	0.00-	20	3.55-	19	GLOB	UNIF	WV	0	2		
1417	LOAD	X	653	703	3.55	15	3.55	14	GLOB	UNIF	WV	0	2		
1418	LOAD	Y	653	703	3.55	205	3.55	191	GLOB	UNIF	WV	0	2		
1419	LOAD	Z	653	703	3.55-	19	3.55-	18	GLOB	UNIF	WV	0	2		
1420	LOAD	Y	656	706	0.00	249	3.55	230	GLOB	UNIF	WV	0	2		
1421	LOAD	Z	656	706	0.00	42	3.55	39	GLOB	UNIF	WV	0	2		

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

| LINE NO. | | |

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1471 LOAD Z  806 906   18.25      21   9.12      20                    GLOB UNIF    WV 0 2
    1472 LOAD X  9011001    0.00-     03   9.12-     02                    GLOB UNIF    WV 0 2
    1473 LOAD Y  9011001    0.00      84   9.12      76                    GLOB UNIF    WV 0 2
    1474 LOAD Z  9011001    0.00-     07   9.12-     07                    GLOB UNIF    WV 0 2
    1475 LOAD X  9011001    9.12-     02   9.12-      1                    GLOB UNIF    WV 0 2
    1476 LOAD Y  9011001    9.12      76   9.12      63                    GLOB UNIF    WV 0 2
    1477 LOAD Z  9011001    9.12-     07   9.12-     05                    GLOB UNIF    WV 0 2
    1478 LOAD X  9011001   18.25-      1   9.12                            GLOB UNIF    WV 0 2
    1479 LOAD Y  9011001   18.25     63   8.74                            GLOB UNIF    WV 0 2
    1480 LOAD Y  9011001   26.98          .39-     03                      GLOB UNIF    WV 0 2
    1481 LOAD Z  9011001   18.25-     05   8.79                            GLOB UNIF    WV 0 2
    1482 LOAD X  9031003    0.00      03   9.12      02                    GLOB UNIF    WV 0 2
    1483 LOAD Y  9031003    0.00      84   9.12      76                    GLOB UNIF    WV 0 2
    1484 LOAD Z  9031003    0.00-     07   9.12-     07                    GLOB UNIF    WV 0 2
    1485 LOAD X  9031003    9.12      02   9.12      1                     GLOB UNIF    WV 0 2
    1486 LOAD Y  9031003    9.12      76   9.12      63                    GLOB UNIF    WV 0 2
    1487 LOAD Z  9031003    9.12-     07   9.12-     05                    GLOB UNIF    WV 0 2
    1488 LOAD X  9031003   18.25      1    9.12                            GLOB UNIF    WV 0 2
    1489 LOAD Y  9031003   18.25     63   8.74                            GLOB UNIF    WV 0 2
    1490 LOAD Y  9031003   26.98          .39-     03                      GLOB UNIF    WV 0 2
    1491 LOAD Z  9031003   18.25-     05   8.79                            GLOB UNIF    WV 0 2
    1492 LOAD Y  9061006    0.00     116   9.12     111                    GLOB UNIF    WV 0 2
    1493 LOAD Z  9061006    0.00      20   9.12      19                    GLOB UNIF    WV 0 2
    1494 LOAD Y  9061006    9.12     111   9.12     101                    GLOB UNIF    WV 0 2
    1495 LOAD Z  9061006    9.12      19   9.12      17                    GLOB UNIF    WV 0 2
    1496 LOAD Y  9061006   18.25     101   9.12      47                    GLOB UNIF    WV 0 2
    1497 LOAD Z  9061006   18.25      17   9.12      08                    GLOB UNIF    WV 0 2
    1498 LOADCN  3
    1499 LOAD X  401 510    0.00-     67                                    GLOB CONC    WN 0 3
    1500 LOAD Y  401 510                                0.00- 35120 GLOB MOMT    WN 0 3
    1501 LOAD Y  401 510    0.00-    117                                    GLOB CONC    WN 0 3
    1502 LOAD X  401 510                                0.00  60850 GLOB MOMT    WN 0 3
    1503 LOAD X  403 511    0.00-     67                                    GLOB CONC    WN 0 3
    1504 LOAD Y  403 511                                0.00- 35120 GLOB MOMT    WN 0 3
    1505 LOAD Y  403 511    0.00-    117                                    GLOB CONC    WN 0 3
    1506 LOAD X  403 511                                0.00  60850 GLOB MOMT    WN 0 3
    1507 LOAD X  406 512    0.00-     67                                    GLOB CONC    WN 0 3
    1508 LOAD Y  406 512                                0.00- 35120 GLOB MOMT    WN 0 3
    1509 LOAD Y  406 512    0.00-    117                                    GLOB CONC    WN 0 3
    1510 LOAD X  406 512                                0.00  60850 GLOB MOMT    WN 0 3
    1511 LOAD X  401 510    0.00-    163                                    GLOB CONC    WN 0 3
    1512 LOAD Y  401 510                                0.00- 94760 GLOB MOMT    WN 0 3
    1513 LOAD Y  401 510    0.00-    282                                    GLOB CONC    WN 0 3
    1514 LOAD X  401 510                                0.00 164129 GLOB MOMT    WN 0 3
    1515 LOAD X  403 511    0.00-    163                                    GLOB CONC    WN 0 3
    1516 LOAD Y  403 511                                0.00- 94760 GLOB MOMT    WN 0 3
    1517 LOAD Y  403 511    0.00-    282                                    GLOB CONC    WN 0 3
    1518 LOAD X  403 511                                0.00 164129 GLOB MOMT    WN 0 3
    1519 LOAD X  406 512    0.00-    163                                    GLOB CONC    WN 0 3
```

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
1520	LOAD Y	406	512						0.00-	94760	GLOB	MOMT	WN	0	3
1521	LOAD Y	406	512	0.00-	282						GLOB	CONC	WN	0	3
1522	LOAD X	406	512						0.00	164129	GLOB	MOMT	WN	0	3
1523	LOAD X	201	303	21.65	06	3.01					GLOB	UNIF	WV	0	3
1524	LOAD X	201	303	24.66		.66-	1				GLOB	UNIF	WV	0	3
1525	LOAD Y	201	303	21.65-	108	3.67-	168				GLOB	UNIF	WV	0	3
1526	LOAD Z	201	303	21.65-	15	3.02					GLOB	UNIF	WV	0	3
1527	LOAD Z	201	303	24.66		.65	03				GLOB	UNIF	WV	0	3
1528	LOAD X	201	303	25.31-	1	3.67-	09				GLOB	UNIF	WV	0	3
1529	LOAD Y	201	303	25.31-	168	3.67-	226				GLOB	UNIF	WV	0	3
1530	LOAD Z	201	303	25.31	03	3.67	17				GLOB	UNIF	WV	0	3
1531	LOAD X	201	303	28.98-	09	3.67-	11				GLOB	UNIF	WV	0	3
1532	LOAD Y	201	303	28.98-	226	3.67-	238				GLOB	UNIF	WV	0	3
1533	LOAD Z	201	303	28.98	17	3.67	21				GLOB	UNIF	WV	0	3
1534	LOAD X	203	306	20.78-	36	11.87-	39				GLOB	UNIF	WV	0	3
1535	LOAD Y	203	306	20.78-	66	11.87-	68				GLOB	UNIF	WV	0	3
1536	LOAD Z	203	306	20.78-	148	11.87-	152				GLOB	UNIF	WV	0	3
1537	LOAD X	206	301	17.24-	120	5.13-	167				GLOB	UNIF	WV	0	3
1538	LOAD Y	206	301	17.24-	45	5.13-	81				GLOB	UNIF	WV	0	3
1539	LOAD Z	206	301	17.24-	40	5.13-	26				GLOB	UNIF	WV	0	3
1540	LOAD X	206	301	22.38-	167	5.13-	191				GLOB	UNIF	WV	0	3
1541	LOAD Y	206	301	22.38-	81	5.13-	101				GLOB	UNIF	WV	0	3
1542	LOAD Z	206	301	22.38-	26	5.13-	15				GLOB	UNIF	WV	0	3
1543	LOAD X	206	301	27.51-	191	5.13-	207				GLOB	UNIF	WV	0	3
1544	LOAD Y	206	301	27.51-	101	5.13-	117				GLOB	UNIF	WV	0	3
1545	LOAD Z	206	301	27.51-	15	5.13-	05				GLOB	UNIF	WV	0	3
1546	LOAD X	301	403	0.00-	25	13.55-	35				GLOB	UNIF	WV	0	3
1547	LOAD Y	301	403	0.00-	129	13.55-	159				GLOB	UNIF	WV	0	3
1548	LOAD Z	301	403	0.00	25	13.55	36				GLOB	UNIF	WV	0	3
1549	LOAD X	301	403	13.55-	35	13.55-	35				GLOB	UNIF	WV	0	3
1550	LOAD Y	301	403	13.55-	159	13.55-	146				GLOB	UNIF	WV	0	3
1551	LOAD Z	301	403	13.55	36	13.55	33				GLOB	UNIF	WV	0	3
1552	LOAD X	301	403	27.11-	35	13.55-	21				GLOB	UNIF	WV	0	3
1553	LOAD Y	301	403	27.11-	146	13.55-	102				GLOB	UNIF	WV	0	3
1554	LOAD Z	301	403	27.11	33	13.55	22				GLOB	UNIF	WV	0	3
1555	LOAD Y	301	303	0.00-	112	14.50-	106				GLOB	UNIF	WV	0	3
1556	LOAD Z	301	303	0.00-	17	14.50-	11				GLOB	UNIF	WV	0	3
1557	LOAD Y	301	303	14.50-	106	14.50-	100				GLOB	UNIF	WV	0	3
1558	LOAD Z	301	303	14.50-	11	14.50-	05				GLOB	UNIF	WV	0	3
1559	LOAD Z	303	306	0.00-	05	14.50-	17				GLOB	UNIF	WV	0	3
1560	LOAD Z	303	306	14.50-	17	14.50-	24				GLOB	UNIF	WV	0	3
1561	LOAD X	301	306	0.00-	97	29.00-	80				GLOB	UNIF	WV	0	3
1562	LOAD Y	301	306	0.00-	56	29.00-	46				GLOB	UNIF	WV	0	3
1563	LOAD Z	301	306	0.00-	17	29.00-	24				GLOB	UNIF	WV	0	3
1564	LOAD Y	501	502	0.00-	60	15.15-	60				GLOB	UNIF	WV	0	3
1565	LOAD Z	501	502	0.00-	06	15.15-	07				GLOB	UNIF	WV	0	3
1566	LOAD Y	502	503	0.00-	60	15.15-	60				GLOB	UNIF	WV	0	3
1567	LOAD Z	502	503	0.00-	07	15.15-	06				GLOB	UNIF	WV	0	3
1568	LOAD Z	503	505	0.00-	06	15.15-	08				GLOB	UNIF	WV	0	3

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1569	LOAD	Z	505	506	0.00-	08	15.15-	10					GLOB	UNIF		WV	0	3
1570	LOAD	X	501	504	0.00-	52	15.15-	51					GLOB	UNIF		WV	0	3
1571	LOAD	Y	501	504	0.00-	30	15.15-	30					GLOB	UNIF		WV	0	3
1572	LOAD	Z	501	504	0.00-	08	15.15-	09					GLOB	UNIF		WV	0	3
1573	LOAD	X	504	506	0.00-	51	15.15-	49					GLOB	UNIF		WV	0	3
1574	LOAD	Y	504	506	0.00-	30	15.15-	28					GLOB	UNIF		WV	0	3
1575	LOAD	Z	504	506	0.00-	09	15.15-	10					GLOB	UNIF		WV	0	3
1576	LOAD	Z	502	504	0.00-	04	15.15-	06					GLOB	UNIF		WV	0	3
1577	LOAD	X	502	505	0.00-	41	15.15-	41					GLOB	UNIF		WV	0	3
1578	LOAD	Y	502	505	0.00-	24	15.15-	24					GLOB	UNIF		WV	0	3
1579	LOAD	Z	502	505	0.00-	04	15.15-	05					GLOB	UNIF		WV	0	3
1580	LOAD	Y	504	505	0.00-	47	15.14-	48					GLOB	UNIF		WV	0	3
1581	LOAD	Z	504	505	0.00-	06	15.14-	05					GLOB	UNIF		WV	0	3
1582	LOAD	X	501	513	0.00-	26	3.00-	26					GLOB	UNIF		WV	0	3
1583	LOAD	Y	501	513	0.00-	45	3.00-	45					GLOB	UNIF		WV	0	3
1584	LOAD	Z	501	513	0.00-	05	3.00-	05					GLOB	UNIF		WV	0	3
1585	LOAD	X	503	514	0.00	13	3.00	13					GLOB	UNIF		WV	0	3
1586	LOAD	Y	503	514	0.00-	22	3.00-	22					GLOB	UNIF		WV	0	3
1587	LOAD	Z	503	514	0.00-	03	3.00-	02					GLOB	UNIF		WV	0	3
1588	LOAD	X	513	651	0.00-	89	6.00-	79					GLOB	UNIF		WV	0	3
1589	LOAD	Y	513	651	0.00-	155	6.00-	137					GLOB	UNIF		WV	0	3
1590	LOAD	X	513	651	6.00-	79	6.00-	71					GLOB	UNIF		WV	0	3
1591	LOAD	Y	513	651	6.00-	137	6.00-	123					GLOB	UNIF		WV	0	3
1592	LOAD	X	513	651	12.00-	71	6.00-	63					GLOB	UNIF		WV	0	3
1593	LOAD	Y	513	651	12.00-	123	6.00-	110					GLOB	UNIF		WV	0	3
1594	LOAD	X	514	653	0.00-	96	6.00-	85					GLOB	UNIF		WV	0	3
1595	LOAD	Y	514	653	0.00-	166	6.00-	147					GLOB	UNIF		WV	0	3
1596	LOAD	X	514	653	6.00-	85	6.00-	77					GLOB	UNIF		WV	0	3
1597	LOAD	Y	514	653	6.00-	147	6.00-	133					GLOB	UNIF		WV	0	3
1598	LOAD	X	514	653	12.00-	77	6.00-	69					GLOB	UNIF		WV	0	3
1599	LOAD	Y	514	653	12.00-	133	6.00-	119					GLOB	UNIF		WV	0	3
1600	LOAD	X	601	611	0.00-	27	6.00-	27					GLOB	UNIF		WV	0	3
1601	LOAD	Z	601	611	0.00-	06	6.00-	05					GLOB	UNIF		WV	0	3
1602	LOAD	X	603	613	0.00-	27	6.00-	26					GLOB	UNIF		WV	0	3
1603	LOAD	Z	603	613	0.00-	04	6.00-	03					GLOB	UNIF		WV	0	3
1604	LOAD	Y	611	612	0.00-	40	16.01-	39					GLOB	UNIF		WV	0	3
1605	LOAD	Z	611	612	0.00-	04	16.01-	03					GLOB	UNIF		WV	0	3
1606	LOAD	Y	612	613	0.00-	39	16.01-	38					GLOB	UNIF		WV	0	3
1607	LOAD	Z	612	613	0.00-	03	16.01-	02					GLOB	UNIF		WV	0	3
1608	LOAD	Y	661	662	0.00-	71	17.75-	70					GLOB	UNIF		WV	0	3
1609	LOAD	Z	661	662	0.00-	04	17.75-	03					GLOB	UNIF		WV	0	3
1610	LOAD	Y	662	663	0.00-	70	17.75-	66					GLOB	UNIF		WV	0	3
1611	LOAD	Z	662	663	0.00-	03	17.75-	1					GLOB	UNIF		WV	0	3
1612	LOAD	X	611	661	0.00-	62	6.06-	56					GLOB	UNIF		WV	0	3
1613	LOAD	Y	611	661	0.00-	103	6.06-	92					GLOB	UNIF		WV	0	3
1614	LOAD	Z	611	661	0.00-	09	6.06-	08					GLOB	UNIF		WV	0	3
1615	LOAD	X	611	661	6.06-	56	6.06-	50					GLOB	UNIF		WV	0	3
1616	LOAD	Y	611	661	6.06-	92	6.06-	83					GLOB	UNIF		WV	0	3
1617	LOAD	Z	611	661	6.06-	08	6.06-	07					GLOB	UNIF		WV	0	3

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.																		
1618	LOAD	X	612	662	0.00-	39	6.00-	35					GLOB	UNIF		WV	0	3
1619	LOAD	Y	612	662	0.00-	68	6.00-	61					GLOB	UNIF		WV	0	3
1620	LOAD	X	612	662	6.00-	35	6.00-	32					GLOB	UNIF		WV	0	3
1621	LOAD	Y	612	662	6.00-	61	6.00-	55					GLOB	UNIF		WV	0	3
1622	LOAD	X	613	663	0.00-	56	6.06-	51					GLOB	UNIF		WV	0	3
1623	LOAD	Y	613	663	0.00-	105	6.06-	94					GLOB	UNIF		WV	0	3
1624	LOAD	Z	613	663	0.00	08	6.06	07					GLOB	UNIF		WV	0	3
1625	LOAD	X	613	663	6.06-	51	6.06-	46					GLOB	UNIF		WV	0	3
1626	LOAD	Y	613	663	6.06-	94	6.06-	85					GLOB	UNIF		WV	0	3
1627	LOAD	Z	613	663	6.06	07	6.06	07					GLOB	UNIF		WV	0	3
1628	LOAD	X	501	642	0.00-	06	6.75-	06					GLOB	UNIF		WV	0	3
1629	LOAD	Y	501	642	0.00-	75	6.75-	68					GLOB	UNIF		WV	0	3
1630	LOAD	Z	501	642	0.00	14	6.75	13					GLOB	UNIF		WV	0	3
1631	LOAD	X	501	642	6.75-	06	6.75-	05					GLOB	UNIF		WV	0	3
1632	LOAD	Y	501	642	6.75-	68	6.75-	63					GLOB	UNIF		WV	0	3
1633	LOAD	Z	501	642	6.75	13	6.75	13					GLOB	UNIF		WV	0	3
1634	LOAD	X	501	642	13.50-	05	6.75-	05					GLOB	UNIF		WV	0	3
1635	LOAD	Y	501	642	13.50-	63	6.75-	59					GLOB	UNIF		WV	0	3
1636	LOAD	Z	501	642	13.50	13	6.75	12					GLOB	UNIF		WV	0	3
1637	LOAD	X	503	645	0.00-	21	10.12-	19					GLOB	UNIF		WV	0	3
1638	LOAD	Y	503	645	0.00-	30	10.12-	27					GLOB	UNIF		WV	0	3
1639	LOAD	Z	503	645	0.00-	49	10.12-	44					GLOB	UNIF		WV	0	3
1640	LOAD	X	503	645	10.12-	19	10.12-	17					GLOB	UNIF		WV	0	3
1641	LOAD	Y	503	645	10.12-	27	10.12-	25					GLOB	UNIF		WV	0	3
1642	LOAD	Z	503	645	10.12-	44	10.12-	41					GLOB	UNIF		WV	0	3
1643	LOAD	X	506	644	0.00-	57	10.12-	52					GLOB	UNIF		WV	0	3
1644	LOAD	Y	506	644	0.00-	44	10.12-	40					GLOB	UNIF		WV	0	3
1645	LOAD	Z	506	644	0.00	07	10.12	07					GLOB	UNIF		WV	0	3
1646	LOAD	X	506	644	10.12-	52	10.12-	48					GLOB	UNIF		WV	0	3
1647	LOAD	Y	506	644	10.12-	40	10.12-	37					GLOB	UNIF		WV	0	3
1648	LOAD	Z	506	644	10.12	07	10.12	06					GLOB	UNIF		WV	0	3
1649	LOAD	X	642	703	0.00-	10	7.31-	09					GLOB	UNIF		WV	0	3
1650	LOAD	Y	642	703	0.00-	88	7.31-	81					GLOB	UNIF		WV	0	3
1651	LOAD	Z	642	703	0.00	21	7.31	19					GLOB	UNIF		WV	0	3
1652	LOAD	X	642	703	7.31-	09	7.31-	09					GLOB	UNIF		WV	0	3
1653	LOAD	Y	642	703	7.31-	81	7.31-	75					GLOB	UNIF		WV	0	3
1654	LOAD	Z	642	703	7.31	19	7.31	18					GLOB	UNIF		WV	0	3
1655	LOAD	X	642	703	14.62-	09	7.31-	08					GLOB	UNIF		WV	0	3
1656	LOAD	Y	642	703	14.62-	75	7.31-	69					GLOB	UNIF		WV	0	3
1657	LOAD	Z	642	703	14.62	18	7.31	17					GLOB	UNIF		WV	0	3
1658	LOAD	X	645	706	0.00-	24	7.31-	23					GLOB	UNIF		WV	0	3
1659	LOAD	Y	645	706	0.00-	35	7.31-	32					GLOB	UNIF		WV	0	3
1660	LOAD	Z	645	706	0.00-	57	7.31-	53					GLOB	UNIF		WV	0	3
1661	LOAD	X	645	706	7.31-	23	7.31-	20					GLOB	UNIF		WV	0	3
1662	LOAD	Y	645	706	7.31-	32	7.31-	29					GLOB	UNIF		WV	0	3
1663	LOAD	Z	645	706	7.31-	53	7.31-	48					GLOB	UNIF		WV	0	3
1664	LOAD	X	645	706	14.62-	20	7.31-	18					GLOB	UNIF		WV	0	3
1665	LOAD	Y	645	706	14.62-	29	7.31-	26					GLOB	UNIF		WV	0	3
1666	LOAD	Z	645	706	14.62-	48	7.31-	43					GLOB	UNIF		WV	0	3

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
1667	LOAD X	644 701	0.00-	71	7.31-	66					GLOB UNIF		WV 0 3		
1668	LOAD Y	644 701	0.00-	59	7.31-	55					GLOB UNIF		WV 0 3		
1669	LOAD Z	644 701	0.00	14	7.31	13					GLOB UNIF		WV 0 3		
1670	LOAD X	644 701	7.31-	66	7.31-	62					GLOB UNIF		WV 0 3		
1671	LOAD Y	644 701	7.31-	55	7.31-	52					GLOB UNIF		WV 0 3		
1672	LOAD Z	644 701	7.31	13	7.31	12					GLOB UNIF		WV 0 3		
1673	LOAD X	644 701	14.62-	62	7.31-	57					GLOB UNIF		WV 0 3		
1674	LOAD Y	644 701	14.62-	52	7.31-	48					GLOB UNIF		WV 0 3		
1675	LOAD Z	644 701	14.62	12	7.31	11					GLOB UNIF		WV 0 3		
1676	LOAD Y	701 702	0.00-	48	18.76-	47					GLOB UNIF		WV 0 3		
1677	LOAD Z	701 702	0.00-	03	18.76-	02					GLOB UNIF		WV 0 3		
1678	LOAD Y	702 703	0.00-	47	18.76-	46					GLOB UNIF		WV 0 3		
1679	LOAD Z	702 703	0.00-	02	18.76-	1					GLOB UNIF		WV 0 3		
1680	LOAD Z	703 705	0.00-	1	6.25-	02					GLOB UNIF		WV 0 3		
1681	LOAD Z	703 705	6.25-	02	6.25-	02					GLOB UNIF		WV 0 3		
1682	LOAD Z	703 705	12.51-	02	6.25-	03					GLOB UNIF		WV 0 3		
1683	LOAD Z	705 706	0.00-	03	18.75-	04					GLOB UNIF		WV 0 3		
1684	LOAD X	701 704	0.00-	41	18.76-	41					GLOB UNIF		WV 0 3		
1685	LOAD Y	701 704	0.00-	24	18.76-	24					GLOB UNIF		WV 0 3		
1686	LOAD Z	701 704	0.00-	03	18.76-	03					GLOB UNIF		WV 0 3		
1687	LOAD X	704 706	0.00-	41	18.75-	39					GLOB UNIF		WV 0 3		
1688	LOAD Y	704 706	0.00-	24	18.75-	23					GLOB UNIF		WV 0 3		
1689	LOAD Z	704 706	0.00-	03	18.75-	04					GLOB UNIF		WV 0 3		
1690	LOAD Z	702 704	0.00-	07	18.76-	08					GLOB UNIF		WV 0 3		
1691	LOAD X	702 705	0.00-	36	18.76-	36					GLOB UNIF		WV 0 3		
1692	LOAD Y	702 705	0.00-	21	18.76-	21					GLOB UNIF		WV 0 3		
1693	LOAD Z	702 705	0.00-	07	18.76-	07					GLOB UNIF		WV 0 3		
1694	LOAD Y	704 705	0.00-	40	18.76-	42					GLOB UNIF		WV 0 3		
1695	LOAD Z	704 705	0.00-	08	18.76-	07					GLOB UNIF		WV 0 3		
1696	LOAD X	701 806	0.00-	54	18.27-	46					GLOB UNIF		WV 0 3		
1697	LOAD Y	701 806	0.00-	47	18.27-	40					GLOB UNIF		WV 0 3		
1698	LOAD Z	701 806	0.00-	27	18.27-	24					GLOB UNIF		WV 0 3		
1699	LOAD X	701 806	16.27-	46	18.27-	39					GLOB UNIF		WV 0 3		
1700	LOAD Y	701 806	16.27-	40	18.27-	34					GLOB UNIF		WV 0 3		
1701	LOAD Z	701 806	16.27-	24	18.27-	20					GLOB UNIF		WV 0 3		
1702	LOAD X	701 806	32.55-	39	18.27-	33					GLOB UNIF		WV 0 3		
1703	LOAD Y	701 806	32.55-	34	18.27-	29					GLOB UNIF		WV 0 3		
1704	LOAD Z	701 806	32.55-	20	18.27-	17					GLOB UNIF		WV 0 3		
1705	LOAD X	703 801	0.00-	17	18.28-	16					GLOB UNIF		WV 0 3		
1706	LOAD Y	703 801	0.00-	72	18.28-	64					GLOB UNIF		WV 0 3		
1707	LOAD Z	703 801	0.00-	22	18.28-	20					GLOB UNIF		WV 0 3		
1708	LOAD X	703 801	16.28-	16	18.28-	14					GLOB UNIF		WV 0 3		
1709	LOAD Y	703 801	16.28-	64	18.28-	56					GLOB UNIF		WV 0 3		
1710	LOAD Z	703 801	16.28-	20	18.28-	18					GLOB UNIF		WV 0 3		
1711	LOAD X	703 801	32.55-	14	18.28-	13					GLOB UNIF		WV 0 3		
1712	LOAD Y	703 801	32.55-	56	18.28-	50					GLOB UNIF		WV 0 3		
1713	LOAD Z	703 801	32.55-	18	18.28-	16					GLOB UNIF		WV 0 3		
1714	LOAD X	706 803	0.00-	08	18.28-	08					GLOB UNIF		WV 0 3		
1715	LOAD Y	706 803	0.00-	16	18.28-	16					GLOB UNIF		WV 0 3		

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1716 LOAD Z  706 803    0.00      27  16.28      20                    GLOB UNIF     WV 0 3
    1717 LOAD X  706 803   16.28-     06  16.28-     05                    GLOB UNIF     WV 0 3
    1718 LOAD Y  706 803   16.28-     16  16.28-     14                    GLOB UNIF     WV 0 3
    1719 LOAD Z  706 803   16.28      26  16.28      24                    GLOB UNIF     WV 0 3
    1720 LOAD X  706 803   32.55-     05  16.28-     05                    GLOB UNIF     WV 0 3
    1721 LOAD Y  706 803   32.55-     14  16.28-     13                    GLOB UNIF     WV 0 3
    1722 LOAD Z  706 803   32.55      24  16.28      22                    GLOB UNIF     WV 0 3
    1723 LOAD Y  801 802    0.00-     32  22.51-     32                    GLOB UNIF     WV 0 3
    1724 LOAD Z  801 802    0.00-     02  22.51-     02                    GLOB UNIF     WV 0 3
    1725 LOAD Y  802 803    0.00-     32  22.51-     31                    GLOB UNIF     WV 0 3
    1726 LOAD Z  802 803    0.00-     02  22.51-      1                    GLOB UNIF     WV 0 3
    1727 LOAD Z  803 805    0.00-      1  11.26-     02                    GLOB UNIF     WV 0 3
    1728 LOAD Z  803 805   11.26-     02  11.26-     02                    GLOB UNIF     WV 0 3
    1729 LOAD Z  805 806    0.00-     02  22.51-     02                    GLOB UNIF     WV 0 3
    1730 LOAD X  801 804    0.00-     28  22.51-     28                    GLOB UNIF     WV 0 3
    1731 LOAD Y  801 804    0.00-     16  22.51-     16                    GLOB UNIF     WV 0 3
    1732 LOAD Z  801 804    0.00-     02  22.51-     02                    GLOB UNIF     WV 0 3
    1733 LOAD X  804 806    0.00-     28  22.51-     26                    GLOB UNIF     WV 0 3
    1734 LOAD Y  804 806    0.00-     16  22.51-     15                    GLOB UNIF     WV 0 3
    1735 LOAD Z  804 806    0.00-     02  22.51-     02                    GLOB UNIF     WV 0 3
    1736 LOAD Z  802 804    0.00-     04  22.52-     05                    GLOB UNIF     WV 0 3
    1737 LOAD X  802 805    0.00-     25  22.52-     25                    GLOB UNIF     WV 0 3
    1738 LOAD Y  802 805    0.00-     14  22.52-     14                    GLOB UNIF     WV 0 3
    1739 LOAD Z  802 805    0.00-     04  22.52-     05                    GLOB UNIF     WV 0 3
    1740 LOAD Y  804 805    0.00-     27  22.52-     28                    GLOB UNIF     WV 0 3
    1741 LOAD Z  804 805    0.00-     05  22.52-     05                    GLOB UNIF     WV 0 3
    1742 LOAD X  801 903    0.00-     02  16.64-     02                    GLOB UNIF     WV 0 3
    1743 LOAD Y  801 903    0.00-     48  16.64-     43                    GLOB UNIF     WV 0 3
    1744 LOAD Z  801 903    0.00      08  16.64      08                    GLOB UNIF     WV 0 3
    1745 LOAD X  801 903   16.64-     02  16.64-     02                    GLOB UNIF     WV 0 3
    1746 LOAD Y  801 903   16.64-     43  16.64-     39                    GLOB UNIF     WV 0 3
    1747 LOAD Z  801 903   16.64      08  16.64      08                    GLOB UNIF     WV 0 3
    1748 LOAD X  801 903   37.28-     02  16.64-     03                    GLOB UNIF     WV 0 3
    1749 LOAD Y  801 903   37.28-     39  16.64-     35                    GLOB UNIF     WV 0 3
    1750 LOAD Z  801 903   37.28      08  16.64      08                    GLOB UNIF     WV 0 3
    1751 LOAD X  803 906    0.00-     09  16.64-     08                    GLOB UNIF     WV 0 3
    1752 LOAD Y  803 906    0.00-     12  16.64-     11                    GLOB UNIF     WV 0 3
    1753 LOAD Z  803 906    0.00-     27  16.64-     25                    GLOB UNIF     WV 0 3
    1754 LOAD X  803 906   16.64-     08  16.64-     07                    GLOB UNIF     WV 0 3
    1755 LOAD Y  803 906   16.64-     11  16.64-     10                    GLOB UNIF     WV 0 3
    1756 LOAD Z  803 906   16.64-     25  16.64-     22                    GLOB UNIF     WV 0 3
    1757 LOAD X  803 906   37.28-     07  16.64-     06                    GLOB UNIF     WV 0 3
    1758 LOAD Y  803 906   37.28-     10  16.64-     08                    GLOB UNIF     WV 0 3
    1759 LOAD Z  803 906   37.28-     22  16.64-     18                    GLOB UNIF     WV 0 3
    1760 LOAD X  806 901    0.00-     37  16.64-     34                    GLOB UNIF     WV 0 3
    1761 LOAD Y  806 901    0.00-     27  16.64-     25                    GLOB UNIF     WV 0 3
    1762 LOAD Z  806 901    0.00      05  16.64      05                    GLOB UNIF     WV 0 3
    1763 LOAD X  806 901   16.64-     34  16.64-     32                    GLOB UNIF     WV 0 3
    1764 LOAD Y  806 901   16.64-     25  16.64-     24                    GLOB UNIF     WV 0 3
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
1765	LOAD Z	806 901	18.64	05	18.64	05					GLOB UNIF		WV 0 3		
1766	LOAD X	806 901	37.28-	32	18.64-	29					GLOB UNIF		WV 0 3		
1767	LOAD Y	806 901	37.28-	24	18.64-	23					GLOB UNIF		WV 0 3		
1768	LOAD Z	806 901	37.28	05	18.64	06					GLOB UNIF		WV 0 3		
1769	LOAD Y	901 902	0.00-	26	25.41-	26					GLOB UNIF		WV 0 3		
1770	LOAD Z	901 902	0.00-	1	20.41-	1					GLOB UNIF		WV 0 3		
1771	LOAD Y	902 903	0.00-	26	20.41-	25					GLOB UNIF		WV 0 3		
1772	LOAD Z	902 903	0.00-	1	20.41-	1					GLOB UNIF		WV 0 3		
1773	LOAD Z	903 905	0.00-	1	20.41-	1					GLOB UNIF		WV 0 3		
1774	LOAD Z	905 906	0.00-	1	20.41-	1					GLOB UNIF		WV 0 3		
1775	LOAD X	901 904	0.00-	23	20.41-	22					GLOB UNIF		WV 0 3		
1776	LOAD Y	901 904	0.00-	13	20.41-	13					GLOB UNIF		WV 0 3		
1777	LOAD Z	901 904	0.00-	1	20.41-	1					GLOB UNIF		WV 0 3		
1778	LOAD X	904 906	0.00-	22	20.41-	21					GLOB UNIF		WV 0 3		
1779	LOAD Y	904 906	0.00-	13	20.41-	12					GLOB UNIF		WV 0 3		
1780	LOAD Z	904 906	0.00-	1	20.41-	1					GLOB UNIF		WV 0 3		
1781	LOAD Z	902 904	0.00-	02	20.41-	02					GLOB UNIF		WV 0 3		
1782	LOAD X	902 905	0.00-	19	20.41-	18					GLOB UNIF		WV 0 3		
1783	LOAD Y	902 905	0.00-	11	20.41-	10					GLOB UNIF		WV 0 3		
1784	LOAD Z	902 905	0.00-	02	20.41-	02					GLOB UNIF		WV 0 3		
1785	LOAD Y	904 905	0.00-	20	20.40-	21					GLOB UNIF		WV 0 3		
1786	LOAD Z	904 905	0.00-	02	20.40-	02					GLOB UNIF		WV 0 3		
1787	LOAD X	9011002	0.00-	07	12.61-	06					GLOB UNIF		WV 0 3		
1788	LOAD Y	9011002	0.00-	29	12.61-	26					GLOB UNIF		WV 0 3		
1789	LOAD Z	9011002	0.00	09	12.61	08					GLOB UNIF		WV 0 3		
1790	LOAD X	9011002	12.61-	06	12.61-	06					GLOB UNIF		WV 0 3		
1791	LOAD Y	9011002	12.61-	26	12.61-	23					GLOB UNIF		WV 0 3		
1792	LOAD Z	9011002	12.61	08	12.61	07					GLOB UNIF		WV 0 3		
1793	LOAD X	9011002	25.22-	06	12.61-	1					GLOB UNIF		WV 0 3		
1794	LOAD Y	9011002	25.22-	25	12.61-	03					GLOB UNIF		WV 0 3		
1795	LOAD Z	9011002	25.22	07	12.61	1					GLOB UNIF		WV 0 3		
1796	LOAD X	9031002	0.00-	10	12.61-	09					GLOB UNIF		WV 0 3		
1797	LOAD Y	9031002	0.00-	29	12.61-	27					GLOB UNIF		WV 0 3		
1798	LOAD Z	9031002	0.00-	08	12.61-	07					GLOB UNIF		WV 0 3		
1799	LOAD X	9031002	12.61-	09	12.61-	08					GLOB UNIF		WV 0 3		
1800	LOAD Y	9031002	12.61-	27	12.61-	24					GLOB UNIF		WV 0 3		
1801	LOAD Z	9031002	12.61-	07	12.61-	06					GLOB UNIF		WV 0 3		
1802	LOAD X	9031002	25.22-	08	12.61-	1					GLOB UNIF		WV 0 3		
1803	LOAD Y	9031002	25.22-	24	12.61-	03					GLOB UNIF		WV 0 3		
1804	LOAD Z	9031002	25.22-	06	12.61-	1					GLOB UNIF		WV 0 3		
1805	LOAD X	9031005	0.00-	10	12.61-	09					GLOB UNIF		WV 0 3		
1806	LOAD Y	9031005	0.00-	14	12.61-	14					GLOB UNIF		WV 0 3		
1807	LOAD Z	9031005	0.00-	17	12.61-	16					GLOB UNIF		WV 0 3		
1808	LOAD X	9031005	12.61-	09	12.61-	08					GLOB UNIF		WV 0 3		
1809	LOAD Y	9031005	12.61-	14	12.61-	12					GLOB UNIF		WV 0 3		
1810	LOAD Z	9031005	12.61-	16	12.61-	14					GLOB UNIF		WV 0 3		
1811	LOAD X	9031005	25.23-	08	12.61-	1					GLOB UNIF		WV 0 3		
1812	LOAD Y	9031005	25.23-	12	12.61-	1					GLOB UNIF		WV 0 3		
1813	LOAD Z	9031005	25.23-	14	12.61-	1					GLOB UNIF		WV 0 3		

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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    1615 LOAD Y  9061005   0.00-  14  12.61-  13                GLOB UNIF    WV 0 3
    1616 LOAD Z  9061005   0.00   15  12.61   14                GLOB UNIF    WV 0 3
    1617 LOAD X  9061005  12.61-  06  12.61-  06                GLOB UNIF    WV 0 3
    1618 LOAD Y  9061005  12.61-  13  12.61-  12                GLOB UNIF    WV 0 3
    1619 LOAD Z  9061005  12.61   14  12.61   13                GLOB UNIF    WV 0 3
    1620 LOAD X  9061005  25.22-  06  12.61-   1                GLOB UNIF    WV 0 3
    1621 LOAD Y  9061005  25.22-  12  12.61-   1                GLOB UNIF    WV 0 3
    1622 LOAD Z  9061005  25.22   13  12.61    1                GLOB UNIF    WV 0 3
    1623 LOAD X  9011004   0.00-  21  12.61-  19                GLOB UNIF    WV 0 3
    1624 LOAD Y  9011004   0.00-  22  12.61-  20                GLOB UNIF    WV 0 3
    1625 LOAD Z  9011004   0.00-  19  12.61-  19                GLOB UNIF    WV 0 3
    1626 LOAD X  9011004  12.61-  19  12.61-  16                GLOB UNIF    WV 0 3
    1627 LOAD Y  9011004  12.61-  20  12.61-  16                GLOB UNIF    WV 0 3
    1628 LOAD Z  9011004  12.61-  19  12.61-  08                GLOB UNIF    WV 0 3
    1629 LOAD X  9011004  25.23-  16  12.61-   1                GLOB UNIF    WV 0 3
    1630 LOAD Y  9011004  25.23-  16  12.61-   1                GLOB UNIF    WV 0 3
    1631 LOAD Z  9011004  25.23-  08  12.61                     GLOB UNIF    WV 0 3
    1632 LOAD X  9061004   0.00-  20  12.61-  18                GLOB UNIF    WV 0 3
    1633 LOAD Y  9061004   0.00-  21  12.61-  20                GLOB UNIF    WV 0 3
    1634 LOAD Z  9061004   0.00   06  12.61   06                GLOB UNIF    WV 0 3
    1635 LOAD X  9061004  12.61-  18  12.61-  16                GLOB UNIF    WV 0 3
    1636 LOAD Y  9061004  12.61-  20  12.61-  17                GLOB UNIF    WV 0 3
    1637 LOAD Z  9061004  12.61   06  12.61   05                GLOB UNIF    WV 0 3
    1638 LOAD X  9061004  25.22-  16  12.61-   1                GLOB UNIF    WV 0 3
    1639 LOAD Y  9061004  25.22-  17  12.61-   1                GLOB UNIF    WV 0 3
    1640 LOAD Z  9061004  25.22   05  12.61                     GLOB UNIF    WV 0 3
    1641 LOAD Y 10011002   0.00-  03  10.10-  03                GLOB UNIF    WV 0 3
    1642 LOAD Y 10011002  10.10-  03  10.10-  04                GLOB UNIF    WV 0 3
    1643 LOAD Y 10011002  20.21-  04  10.10-  04                GLOB UNIF    WV 0 3
    1644 LOAD Y 10021003   0.00-  04  10.10-  05                GLOB UNIF    WV 0 3
    1645 LOAD Y 10021003  10.10-  05  10.10-  05                GLOB UNIF    WV 0 3
    1646 LOAD Y 10021003  20.21-  05  10.10-  05                GLOB UNIF    WV 0 3
    1647 LOAD X 10011004   0.00-  02  15.16-  02                GLOB UNIF    WV 0 3
    1648 LOAD Y 10011004   0.00-   1  15.16-   1                GLOB UNIF    WV 0 3
    1649 LOAD X 10011004  15.16-  02  15.16-   1                GLOB UNIF    WV 0 3
    1650 LOAD Y 10011004  15.16-   1  15.16-   1                GLOB UNIF    WV 0 3
    1651 LOAD X 10041006   0.00-   1  10.10-   1                GLOB UNIF    WV 0 3
    1652 LOAD Y 10041006   0.00-   1  10.10                     GLOB UNIF    WV 0 3
    1653 LOAD X 10041006  10.10-   1  10.10                     GLOB UNIF    WV 0 3
    1654 LOAD X 10021005   0.00-  02  10.10-  02                GLOB UNIF    WV 0 3
    1655 LOAD Y 10021005   0.00-   1  10.10-   1                GLOB UNIF    WV 0 3
    1656 LOAD X 10021005  10.10-  02  10.10-  02                GLOB UNIF    WV 0 3
    1657 LOAD Y 10021005  10.10-   1  10.10-   1                GLOB UNIF    WV 0 3
    1658 LOAD X 10021005  20.21-  02  10.10-  02                GLOB UNIF    WV 0 3
    1659 LOAD Y 10021005  20.21-   1  10.10-   1                GLOB UNIF    WV 0 3
    1660 LOAD Y 10041005   0.00-   1  30.30-  02                GLOB UNIF    WV 0 3
    1661 LOAD X  201 301   7.55-  39   2.55-  61                GLOB UNIF    WV 0 3
    1662 LOAD Y  201 301   7.55-  67   2.55- 105                GLOB UNIF    WV 0 3
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.																					
1...5	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8						
1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0																					
1863	LOAD	X	201	301	9.90-	61	2.55-	83					GLOB	UNIF		WV	0	3			
1864	LOAD	Y	201	301	9.90-	105	2.55-	143					GLOB	UNIF		WV	0	3			
1865	LOAD	X	201	301	12.45-	83	2.55-	94					GLOB	UNIF		WV	0	3			
1866	LOAD	Y	201	301	12.45-	143	2.55-	162					GLOB	UNIF		WV	0	3			
1867	LOAD	X	203	303	11.26-	49	1.25-	72					GLOB	UNIF		WV	0	3			
1868	LOAD	Y	203	303	11.26-	85	1.25-	125					GLOB	UNIF		WV	0	3			
1869	LOAD	X	203	303	12.51-	72	1.25-	84					GLOB	UNIF		WV	0	3			
1870	LOAD	Y	203	303	12.51-	125	1.25-	145					GLOB	UNIF		WV	0	3			
1871	LOAD	X	203	303	13.75-	84	1.25-	88					GLOB	UNIF		WV	0	3			
1872	LOAD	Y	203	303	13.75-	145	1.25-	152					GLOB	UNIF		WV	0	3			
1873	LOAD	X	206	306	8.56-	12	2.15-	38					GLOB	UNIF		WV	0	3			
1874	LOAD	Y	206	306	8.56-	21	2.15-	46					GLOB	UNIF		WV	0	3			
1875	LOAD	X	206	306	10.71-	38	2.15-	65					GLOB	UNIF		WV	0	3			
1876	LOAD	Y	206	306	10.71-	66	2.15-	112					GLOB	UNIF		WV	0	3			
1877	LOAD	X	206	306	12.85-	65	2.15-	74					GLOB	UNIF		WV	0	3			
1878	LOAD	Y	206	306	12.85-	112	2.15-	126					GLOB	UNIF		WV	0	3			
1879	LOAD	X	301	401	0.00-	94	9.50-	118					GLOB	UNIF		WV	0	3			
1880	LOAD	Y	301	401	0.00-	162	9.50-	204					GLOB	UNIF		WV	0	3			
1881	LOAD	X	301	401	9.50-	118	9.50-	104					GLOB	UNIF		WV	0	3			
1882	LOAD	Y	301	401	9.50-	204	9.50-	180					GLOB	UNIF		WV	0	3			
1883	LOAD	X	301	401	19.00-	104	9.50-	72					GLOB	UNIF		WV	0	3			
1884	LOAD	Y	301	401	19.00-	180	9.50-	125					GLOB	UNIF		WV	0	3			
1885	LOAD	X	303	403	0.00-	88	14.25-	112					GLOB	UNIF		WV	0	3			
1886	LOAD	Y	303	403	0.00-	152	14.25-	195					GLOB	UNIF		WV	0	3			
1887	LOAD	X	303	403	14.25-	112	14.25-	76					GLOB	UNIF		WV	0	3			
1888	LOAD	Y	303	403	14.25-	195	14.25-	131					GLOB	UNIF		WV	0	3			
1889	LOAD	X	306	406	0.00-	74	9.50-	102					GLOB	UNIF		WV	0	3			
1890	LOAD	Y	306	406	0.00-	126	9.50-	176					GLOB	UNIF		WV	0	3			
1891	LOAD	X	306	406	9.50-	102	9.50-	94					GLOB	UNIF		WV	0	3			
1892	LOAD	Y	306	406	9.50-	176	9.50-	163					GLOB	UNIF		WV	0	3			
1893	LOAD	X	306	406	19.00-	94	9.50-	64					GLOB	UNIF		WV	0	3			
1894	LOAD	Y	306	406	19.00-	163	9.50-	112					GLOB	UNIF		WV	0	3			
1895	LOAD	X	401	501	0.00-	128	4.56-	118					GLOB	UNIF		WV	0	3			
1896	LOAD	Y	401	501	0.00-	196	4.56-	179					GLOB	UNIF		WV	0	3			
1897	LOAD	Z	401	501	0.00-	02	4.56-	02					GLOB	UNIF		WV	0	3			
1898	LOAD	X	403	503	0.00-	114	4.56-	104					GLOB	UNIF		WV	0	3			
1899	LOAD	Y	403	503	0.00-	214	4.56-	197					GLOB	UNIF		WV	0	3			
1900	LOAD	Z	403	503	0.00	34	4.56	32					GLOB	UNIF		WV	0	3			
1901	LOAD	X	406	506	0.00-	98	4.56-	89					GLOB	UNIF		WV	0	3			
1902	LOAD	Y	406	506	0.00-	179	4.56-	163					GLOB	UNIF		WV	0	3			
1903	LOAD	Z	406	506	0.00-	30	4.56-	27					GLOB	UNIF		WV	0	3			
1904	LOAD	X	501	601	0.00-	118	3.04-	111					GLOB	UNIF		WV	0	3			
1905	LOAD	Y	501	601	0.00-	179	3.04-	168					GLOB	UNIF		WV	0	3			
1906	LOAD	Z	501	601	0.00-	02	3.04-	02					GLOB	UNIF		WV	0	3			
1907	LOAD	X	501	601	3.04-	111	3.04-	105					GLOB	UNIF		WV	0	3			
1908	LOAD	Y	501	601	3.04-	168	3.04-	158					GLOB	UNIF		WV	0	3			
1909	LOAD	Z	501	601	3.04-	02	3.04-	02					GLOB	UNIF		WV	0	3			
1910	LOAD	X	503	603	0.00-	104	3.04-	98					GLOB	UNIF		WV	0	3			
1911	LOAD	Y	503	603	0.00-	197	3.04-	185					GLOB	UNIF		WV	0	3			

LINE NO.													
1912	LOAD	Z	503	603	0.00	31	3.04	29	GLOB	UNIF	WV	0	3
1913	LOAD	X	503	603	3.04-	98	3.04-	92	GLOB	UNIF	WV	0	3
1914	LOAD	Y	503	603	3.04-	185	3.04-	174	GLOB	UNIF	WV	0	3
1915	LOAD	Z	503	603	3.04	29	3.04	28	GLOB	UNIF	WV	0	3
1916	LOAD	X	506	606	0.00-	89	3.04-	83	GLOB	UNIF	WV	0	3
1917	LOAD	Y	506	606	0.00-	163	3.04-	152	GLOB	UNIF	WV	0	3
1918	LOAD	Z	506	606	0.00-	27	3.04-	25	GLOB	UNIF	WV	0	3
1919	LOAD	X	506	606	3.04-	83	3.04-	77	GLOB	UNIF	WV	0	3
1920	LOAD	Y	506	606	3.04-	152	3.04-	142	GLOB	UNIF	WV	0	3
1921	LOAD	Z	506	606	3.04-	25	3.04-	23	GLOB	UNIF	WV	0	3
1922	LOAD	X	601	641	0.00-	105	3.04-	99	GLOB	UNIF	WV	0	3
1923	LOAD	Y	601	641	0.00-	158	3.04-	150	GLOB	UNIF	WV	0	3
1924	LOAD	Z	601	641	0.00-	02	3.04-	02	GLOB	UNIF	WV	0	3
1925	LOAD	X	601	641	3.04-	99	3.04-	94	GLOB	UNIF	WV	0	3
1926	LOAD	Y	601	641	3.04-	150	3.04-	141	GLOB	UNIF	WV	0	3
1927	LOAD	Z	601	641	3.04-	02	3.04-	02	GLOB	UNIF	WV	0	3
1928	LOAD	X	603	643	0.00-	92	3.04-	87	GLOB	UNIF	WV	0	3
1929	LOAD	Y	603	643	0.00-	174	3.04-	165	GLOB	UNIF	WV	0	3
1930	LOAD	Z	603	643	0.00	28	3.04	26	GLOB	UNIF	WV	0	3
1931	LOAD	X	603	643	3.04-	87	3.04-	82	GLOB	UNIF	WV	0	3
1932	LOAD	Y	603	643	3.04-	165	3.04-	156	GLOB	UNIF	WV	0	3
1933	LOAD	Z	603	643	3.04	26	3.04	25	GLOB	UNIF	WV	0	3
1934	LOAD	X	606	646	0.00-	77	6.08-	69	GLOB	UNIF	WV	0	3
1935	LOAD	Y	606	646	0.00-	142	6.08-	127	GLOB	UNIF	WV	0	3
1936	LOAD	Z	606	646	0.00-	24	6.08-	21	GLOB	UNIF	WV	0	3
1937	LOAD	X	641	651	0.00-	144	3.04-	136	GLOB	UNIF	WV	0	3
1938	LOAD	Y	641	651	0.00-	204	3.04-	192	GLOB	UNIF	WV	0	3
1939	LOAD	Z	641	651	0.00-	04	3.04-	04	GLOB	UNIF	WV	0	3
1940	LOAD	X	641	651	3.04-	136	3.04-	129	GLOB	UNIF	WV	0	3
1941	LOAD	Y	641	651	3.04-	192	3.04-	183	GLOB	UNIF	WV	0	3
1942	LOAD	Z	641	651	3.04-	04	3.04-	03	GLOB	UNIF	WV	0	3
1943	LOAD	X	643	653	0.00-	124	6.08-	111	GLOB	UNIF	WV	0	3
1944	LOAD	Y	643	653	0.00-	240	6.08-	217	GLOB	UNIF	WV	0	3
1945	LOAD	Z	643	653	0.00	38	6.08	34	GLOB	UNIF	WV	0	3
1946	LOAD	X	646	656	0.00-	92	6.08-	81	GLOB	UNIF	WV	0	3
1947	LOAD	Y	646	656	0.00-	178	6.08-	158	GLOB	UNIF	WV	0	3
1948	LOAD	Z	646	656	0.00-	30	6.08-	26	GLOB	UNIF	WV	0	3
1949	LOAD	X	651	701	0.00-	129	3.55-	122	GLOB	UNIF	WV	0	3
1950	LOAD	Y	651	701	0.00-	183	3.55-	172	GLOB	UNIF	WV	0	3
1951	LOAD	Z	651	701	0.00-	03	3.55-	03	GLOB	UNIF	WV	0	3
1952	LOAD	X	651	701	3.55-	122	3.55-	115	GLOB	UNIF	WV	0	3
1953	LOAD	Y	651	701	3.55-	172	3.55-	161	GLOB	UNIF	WV	0	3
1954	LOAD	Z	651	701	3.55-	03	3.55-	03	GLOB	UNIF	WV	0	3
1955	LOAD	X	653	703	0.00-	111	3.55-	105	GLOB	UNIF	WV	0	3
1956	LOAD	Y	653	703	0.00-	217	3.55-	205	GLOB	UNIF	WV	0	3
1957	LOAD	Z	653	703	0.00	34	3.55	32	GLOB	UNIF	WV	0	3
1958	LOAD	X	653	703	3.55-	105	3.55-	99	GLOB	UNIF	WV	0	3
1959	LOAD	Y	653	703	3.55-	205	3.55-	193	GLOB	UNIF	WV	0	3
1960	LOAD	Z	653	703	3.55	32	3.55	30	GLOB	UNIF	WV	0	3

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
1961	LOAD X	656 706	0.00-	81	3.55-	76					GLOB UNIF		WV 0 3		
1962	LOAD Y	656 706	0.00-	158	3.55-	147					GLOB UNIF		WV 0 3		
1963	LOAD Z	656 706	0.00-	26	3.55-	25					GLOB UNIF		WV 0 3		
1964	LOAD X	656 706	3.55-	76	3.55-	71					GLOB UNIF		WV 0 3		
1965	LOAD Y	656 706	3.55-	147	3.55-	137					GLOB UNIF		WV 0 3		
1966	LOAD Z	656 706	3.55-	25	3.55-	23					GLOB UNIF		WV 0 3		
1967	LOAD X	701 801	0.00-	108	8.79-	94					GLOB UNIF		WV 0 3		
1968	LOAD Y	701 801	0.00-	155	8.79-	135					GLOB UNIF		WV 0 3		
1969	LOAD Z	701 801	0.00-	03	8.79-	02					GLOB UNIF		WV 0 3		
1970	LOAD X	701 801	8.79-	94	8.79-	83					GLOB UNIF		WV 0 3		
1971	LOAD Y	701 801	8.79-	135	8.79-	119					GLOB UNIF		WV 0 3		
1972	LOAD Z	701 801	8.79-	02	8.79-	02					GLOB UNIF		WV 0 3		
1973	LOAD X	701 801	17.57-	85	8.79-	75					GLOB UNIF		WV 0 3		
1974	LOAD Y	701 801	17.57-	119	8.79-	106					GLOB UNIF		WV 0 3		
1975	LOAD Z	701 801	17.57-	02	8.79-	02					GLOB UNIF		WV 0 3		
1976	LOAD X	703 803	0.00-	94	8.79-	82					GLOB UNIF		WV 0 3		
1977	LOAD Y	703 803	0.00-	181	8.79-	160					GLOB UNIF		WV 0 3		
1978	LOAD Z	703 803	0.00	29	8.79	25					GLOB UNIF		WV 0 3		
1979	LOAD X	703 803	8.79-	82	8.79-	74					GLOB UNIF		WV 0 3		
1980	LOAD Y	703 803	8.79-	160	8.79-	142					GLOB UNIF		WV 0 3		
1981	LOAD Z	703 803	8.79	25	8.79	22					GLOB UNIF		WV 0 3		
1982	LOAD X	703 803	17.57-	74	8.79-	67					GLOB UNIF		WV 0 3		
1983	LOAD Y	703 803	17.57-	142	8.79-	128					GLOB UNIF		WV 0 3		
1984	LOAD Z	703 803	17.57	22	8.79	20					GLOB UNIF		WV 0 3		
1985	LOAD X	706 806	0.00-	64	8.79-	59					GLOB UNIF		WV 0 3		
1986	LOAD Y	706 806	0.00-	133	8.79-	113					GLOB UNIF		WV 0 3		
1987	LOAD Z	706 806	0.00-	22	8.79-	19					GLOB UNIF		WV 0 3		
1988	LOAD X	706 806	8.79-	59	8.79-	51					GLOB UNIF		WV 0 3		
1989	LOAD Y	706 806	8.79-	113	8.79-	97					GLOB UNIF		WV 0 3		
1990	LOAD Z	706 806	8.79-	19	8.79-	16					GLOB UNIF		WV 0 3		
1991	LOAD X	706 806	17.57-	51	8.79-	44					GLOB UNIF		WV 0 3		
1992	LOAD Y	706 806	17.57-	97	8.79-	84					GLOB UNIF		WV 0 3		
1993	LOAD Z	706 806	17.57-	16	8.79-	14					GLOB UNIF		WV 0 3		
1994	LOAD X	801 901	0.00-	75	9.12-	65					GLOB UNIF		WV 0 3		
1995	LOAD Y	801 901	0.00-	106	9.12-	95					GLOB UNIF		WV 0 3		
1996	LOAD Z	801 901	0.00-	02	9.12-	1					GLOB UNIF		WV 0 3		
1997	LOAD X	801 901	9.12-	65	9.12-	58					GLOB UNIF		WV 0 3		
1998	LOAD Y	801 901	9.12-	95	9.12-	86					GLOB UNIF		WV 0 3		
1999	LOAD Z	801 901	9.12-	1	9.12-	1					GLOB UNIF		WV 0 3		
2000	LOAD X	801 901	18.25-	58	9.12-	52					GLOB UNIF		WV 0 3		
2001	LOAD Y	801 901	18.25-	86	9.12-	80					GLOB UNIF		WV 0 3		
2002	LOAD Z	801 901	18.25-	1	9.12-	1					GLOB UNIF		WV 0 3		
2003	LOAD X	803 903	0.00-	67	9.12-	61					GLOB UNIF		WV 0 3		
2004	LOAD Y	803 903	0.00-	128	9.12-	116					GLOB UNIF		WV 0 3		
2005	LOAD Z	803 903	0.00	20	9.12	18					GLOB UNIF		WV 0 3		
2006	LOAD X	803 903	9.12-	61	9.12-	57					GLOB UNIF		WV 0 3		
2007	LOAD Y	803 903	9.12-	116	9.12-	107					GLOB UNIF		WV 0 3		
2008	LOAD Z	803 903	9.12	18	9.12	17					GLOB UNIF		WV 0 3		
2009	LOAD X	803 903	18.25-	57	9.12-	54					GLOB UNIF		WV 0 3		

S T R A N I N P U T D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

| LINE NO. | | |

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
2059	LOAD Y	403 511	0.00-	326							GLOB CONC		WN 0 4		
2060	LOAD X	403 511							0.00	189520	GLOB MOMT		WN 0 4		
2061	LOAD Y	406 512	0.00-	326							GLOB CONC		WN 0 4		
2062	LOAD X	406 512							0.00	189520	GLOB MOMT		WN 0 4		
2063	LOAD X	201 303	23.66	16	2.93	17					GLOB UNIF		WV 0 4		
2064	LOAD Y	201 303	23.66-	155	2.93-	223					GLOB UNIF		WV 0 4		
2065	LOAD Z	201 303	23.66-	31	2.93-	34					GLOB UNIF		WV 0 4		
2066	LOAD X	201 303	26.79	17	2.93	18					GLOB UNIF		WV 0 4		
2067	LOAD Y	201 303	26.79-	223	2.93-	263					GLOB UNIF		WV 0 4		
2068	LOAD Z	201 303	26.79-	34	2.93-	35					GLOB UNIF		WV 0 4		
2069	LOAD X	201 303	29.72	18	2.93	19					GLOB UNIF		WV 0 4		
2070	LOAD Y	201 303	29.72-	265	2.93-	275					GLOB UNIF		WV 0 4		
2071	LOAD Z	201 303	29.72-	35	2.93-	37					GLOB UNIF		WV 0 4		
2072	LOAD X	203 306	19.72	43	4.31	59					GLOB UNIF		WV 0 4		
2073	LOAD Y	203 306	19.72-	99	4.31-	124					GLOB UNIF		WV 0 4		
2074	LOAD Z	203 306	19.72-	124	4.31-	150					GLOB UNIF		WV 0 4		
2075	LOAD X	203 306	24.03	59	4.31	60					GLOB UNIF		WV 0 4		
2076	LOAD Y	203 306	24.03-	124	4.31-	125					GLOB UNIF		WV 0 4		
2077	LOAD Z	203 306	24.03-	150	4.31-	152					GLOB UNIF		WV 0 4		
2078	LOAD X	203 306	26.34	60	4.31	57					GLOB UNIF		WV 0 4		
2079	LOAD Y	203 306	26.34-	125	4.31-	122					GLOB UNIF		WV 0 4		
2080	LOAD Z	203 306	26.34-	152	4.31-	149					GLOB UNIF		WV 0 4		
2081	LOAD X	206 301	21.53-	64	3.71-	80					GLOB UNIF		WV 0 4		
2082	LOAD Y	206 301	21.53-	40	3.71-	63					GLOB UNIF		WV 0 4		
2083	LOAD Z	206 301	21.53	05	3.71	27					GLOB UNIF		WV 0 4		
2084	LOAD X	206 301	25.23-	80	3.71-	99					GLOB UNIF		WV 0 4		
2085	LOAD Y	206 301	25.23-	63	3.71-	88					GLOB UNIF		WV 0 4		
2086	LOAD Z	206 301	25.23	27	3.71	51					GLOB UNIF		WV 0 4		
2087	LOAD X	206 301	28.94-	99	3.71-	105					GLOB UNIF		WV 0 4		
2088	LOAD Y	206 301	28.94-	88	3.71-	96					GLOB UNIF		WV 0 4		
2089	LOAD Z	206 301	28.94	51	3.71	60					GLOB UNIF		WV 0 4		
2090	LOAD X	301 403	0.00	05	20.33	07					GLOB UNIF		WV 0 4		
2091	LOAD Y	301 403	0.00-	135	20.33-	176					GLOB UNIF		WV 0 4		
2092	LOAD Z	301 403	0.00-	05	20.33-	08					GLOB UNIF		WV 0 4		
2093	LOAD X	301 403	20.33	07	20.33	08					GLOB UNIF		WV 0 4		
2094	LOAD Y	301 403	20.33-	176	20.33-	118					GLOB UNIF		WV 0 4		
2095	LOAD Z	301 403	20.33-	08	20.33-	08					GLOB UNIF		WV 0 4		
2096	LOAD Y	301 303	0.00-	110	29.00-	110					GLOB UNIF		WV 0 4		
2097	LOAD Z	301 303	0.00-	06	29.00-	06					GLOB UNIF		WV 0 4		
2098	LOAD X	303 306	0.00	50	14.50	56					GLOB UNIF		WV 0 4		
2099	LOAD Y	303 306	0.00-	29	14.50-	32					GLOB UNIF		WV 0 4		
2100	LOAD Z	303 306	0.00-	06	14.50-	16					GLOB UNIF		WV 0 4		
2101	LOAD X	303 306	14.50	50	14.50	50					GLOB UNIF		WV 0 4		
2102	LOAD Y	303 306	14.50-	32	14.50-	29					GLOB UNIF		WV 0 4		
2103	LOAD Z	303 306	14.50-	16	14.50-	23					GLOB UNIF		WV 0 4		
2104	LOAD X	301 306	0.00-	50	14.50-	56					GLOB UNIF		WV 0 4		
2105	LOAD Y	301 306	0.00-	29	14.50-	32					GLOB UNIF		WV 0 4		
2106	LOAD Z	301 306	0.00-	06	14.50-	16					GLOB UNIF		WV 0 4		
2107	LOAD X	301 306	14.50-	50	14.50-	50					GLOB UNIF		WV 0 4		

| LINE NO. | | |

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.																	
2157	LOAD	Y	611	661	0.00-	121	6.06-	109			GLOB	UNIF		WV	0	4	
2158	LOAD	X	611	661	6.06-	03	6.06-	03			GLOB	UNIF		WV	0	4	
2159	LOAD	Y	611	661	6.06-	109	6.06-	98			GLOB	UNIF		WV	0	4	
2160	LOAD	Y	612	662	0.00-	77	6.00-	69			GLOB	UNIF		WV	0	4	
2161	LOAD	Y	612	662	6.00-	69	6.00-	62			GLOB	UNIF		WV	0	4	
2162	LOAD	X	613	663	0.00	03	6.06	03			GLOB	UNIF		WV	0	4	
2163	LOAD	Y	613	663	0.00-	121	6.06-	109			GLOB	UNIF		WV	0	4	
2164	LOAD	X	613	663	6.06	03	6.06	03			GLOB	UNIF		WV	0	4	
2165	LOAD	Y	613	663	6.06-	109	6.06-	98			GLOB	UNIF		WV	0	4	
2166	LOAD	X	501	642	0.00	08	10.12	08			GLOB	UNIF		WV	0	4	
2167	LOAD	Y	501	642	0.00-	86	10.12-	78			GLOB	UNIF		WV	0	4	
2168	LOAD	Z	501	642	0.00-	04	10.12-	04			GLOB	UNIF		WV	0	4	
2169	LOAD	X	501	642	10.12	08	10.12	07			GLOB	UNIF		WV	0	4	
2170	LOAD	Y	501	642	10.12-	78	10.12-	70			GLOB	UNIF		WV	0	4	
2171	LOAD	Z	501	642	10.12-	04	10.12-	04			GLOB	UNIF		WV	0	4	
2172	LOAD	X	503	645	0.00	21	10.12	18			GLOB	UNIF		WV	0	4	
2173	LOAD	Y	503	645	0.00-	47	10.12-	42			GLOB	UNIF		WV	0	4	
2174	LOAD	Z	503	645	0.00-	45	10.12-	41			GLOB	UNIF		WV	0	4	
2175	LOAD	X	503	645	10.12	18	10.12	15			GLOB	UNIF		WV	0	4	
2176	LOAD	Y	503	645	10.12-	42	10.12-	38			GLOB	UNIF		WV	0	4	
2177	LOAD	Z	503	645	10.12-	41	10.12-	37			GLOB	UNIF		WV	0	4	
2178	LOAD	X	506	644	0.00-	28	6.75-	27			GLOB	UNIF		WV	0	4	
2179	LOAD	Y	506	644	0.00-	39	6.75-	37			GLOB	UNIF		WV	0	4	
2180	LOAD	Z	506	644	0.00	23	6.75	22			GLOB	UNIF		WV	0	4	
2181	LOAD	X	506	644	6.75-	27	6.75-	25			GLOB	UNIF		WV	0	4	
2182	LOAD	Y	506	644	6.75-	37	6.75-	36			GLOB	UNIF		WV	0	4	
2183	LOAD	Z	506	644	6.75	22	6.75	21			GLOB	UNIF		WV	0	4	
2184	LOAD	X	506	644	13.49-	25	6.75-	24			GLOB	UNIF		WV	0	4	
2185	LOAD	Y	506	644	13.49-	36	6.75-	34			GLOB	UNIF		WV	0	4	
2186	LOAD	Z	506	644	13.49	21	6.75	20			GLOB	UNIF		WV	0	4	
2187	LOAD	X	642	703	0.00	08	7.31	08			GLOB	UNIF		WV	0	4	
2188	LOAD	Y	642	703	0.00-	104	7.31-	96			GLOB	UNIF		WV	0	4	
2189	LOAD	Z	642	703	0.00-	03	7.31-	03			GLOB	UNIF		WV	0	4	
2190	LOAD	X	642	703	7.31	08	7.31	07			GLOB	UNIF		WV	0	4	
2191	LOAD	Y	642	703	7.31-	96	7.31-	89			GLOB	UNIF		WV	0	4	
2192	LOAD	Z	642	703	7.31-	03	7.31-	03			GLOB	UNIF		WV	0	4	
2193	LOAD	X	642	703	14.62	07	7.31	07			GLOB	UNIF		WV	0	4	
2194	LOAD	Y	642	703	14.62-	89	7.31-	82			GLOB	UNIF		WV	0	4	
2195	LOAD	Z	642	703	14.62-	03	7.31-	03			GLOB	UNIF		WV	0	4	
2196	LOAD	X	645	706	0.00	24	7.31	22			GLOB	UNIF		WV	0	4	
2197	LOAD	Y	645	706	0.00-	55	7.31-	51			GLOB	UNIF		WV	0	4	
2198	LOAD	Z	645	706	0.00-	52	7.31-	48			GLOB	UNIF		WV	0	4	
2199	LOAD	X	645	706	7.31	22	7.31	20			GLOB	UNIF		WV	0	4	
2200	LOAD	Y	645	706	7.31-	51	7.31-	46			GLOB	UNIF		WV	0	4	
2201	LOAD	Z	645	706	7.31-	48	7.31-	44			GLOB	UNIF		WV	0	4	
2202	LOAD	X	645	706	14.62	20	7.31	18			GLOB	UNIF		WV	0	4	
2203	LOAD	Y	645	706	14.62-	46	7.31-	42			GLOB	UNIF		WV	0	4	
2204	LOAD	Z	645	706	14.62-	44	7.31-	40			GLOB	UNIF		WV	0	4	
2205	LOAD	X	644	701	0.00-	34	7.31-	31			GLOB	UNIF		WV	0	4	

STRAN INPUT DATA

U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

LINE NO.																					
2206	LOAD	Y	644	701	0.00-	55	7.31-	49			GLOB	UNIF		WV	0	4					
2207	LOAD	Z	644	701	0.00	34	7.31	32			GLOB	UNIF		WV	0	4					
2208	LOAD	X	644	701	7.31-	31	7.31-	29			GLOB	UNIF		WV	0	4					
2209	LOAD	Y	644	701	7.31-	49	7.31-	46			GLOB	UNIF		WV	0	4					
2210	LOAD	Z	644	701	7.31	32	7.31	30			GLOB	UNIF		WV	0	4					
2211	LOAD	X	644	701	14.62-	29	7.31-	27			GLOB	UNIF		WV	0	4					
2212	LOAD	Y	644	701	14.62-	46	7.31-	42			GLOB	UNIF		WV	0	4					
2213	LOAD	Z	644	701	14.62	30	7.31	28			GLOB	UNIF		WV	0	4					
2214	LOAD	Y	701	702	0.00-	54	10.76-	54			GLOB	UNIF		WV	0	4					
2215	LOAD	Z	701	702	0.00-	02	10.76-	02			GLOB	UNIF		WV	0	4					
2216	LOAD	Y	702	703	0.00-	54	10.76-	54			GLOB	UNIF		WV	0	4					
2217	LOAD	Z	702	703	0.00-	02	10.76-	02			GLOB	UNIF		WV	0	4					
2218	LOAD	X	703	705	0.00	23	10.76	24			GLOB	UNIF		WV	0	4					
2219	LOAD	Y	703	705	0.00-	13	10.76-	14			GLOB	UNIF		WV	0	4					
2220	LOAD	Z	703	705	0.00-	02	10.76-	03			GLOB	UNIF		WV	0	4					
2221	LOAD	X	705	706	0.00	24	10.75	23			GLOB	UNIF		WV	0	4					
2222	LOAD	Y	705	706	0.00-	14	10.75-	13			GLOB	UNIF		WV	0	4					
2223	LOAD	Z	705	706	0.00-	03	10.75-	03			GLOB	UNIF		WV	0	4					
2224	LOAD	X	701	704	0.00-	23	10.76-	24			GLOB	UNIF		WV	0	4					
2225	LOAD	Y	701	704	0.00-	13	10.76-	14			GLOB	UNIF		WV	0	4					
2226	LOAD	Z	701	704	0.00-	02	10.76-	03			GLOB	UNIF		WV	0	4					
2227	LOAD	X	704	706	0.00-	24	10.75-	23			GLOB	UNIF		WV	0	4					
2228	LOAD	Y	704	706	0.00-	14	10.75-	13			GLOB	UNIF		WV	0	4					
2229	LOAD	Z	704	706	0.00-	03	10.75-	03			GLOB	UNIF		WV	0	4					
2230	LOAD	X	702	704	0.00	21	10.76	21			GLOB	UNIF		WV	0	4					
2231	LOAD	Y	702	704	0.00-	12	10.76-	12			GLOB	UNIF		WV	0	4					
2232	LOAD	Z	702	704	0.00-	06	10.76-	07			GLOB	UNIF		WV	0	4					
2233	LOAD	X	702	705	0.00-	21	10.76-	21			GLOB	UNIF		WV	0	4					
2234	LOAD	Y	702	705	0.00-	12	10.76-	12			GLOB	UNIF		WV	0	4					
2235	LOAD	Z	702	705	0.00-	06	10.76-	07			GLOB	UNIF		WV	0	4					
2236	LOAD	Y	704	705	0.00-	48	10.76-	48			GLOB	UNIF		WV	0	4					
2237	LOAD	Z	704	705	0.00-	07	10.76-	07			GLOB	UNIF		WV	0	4					
2238	LOAD	X	701	805	0.00-	22	10.27-	19			GLOB	UNIF		WV	0	4					
2239	LOAD	Y	701	805	0.00-	39	10.27-	34			GLOB	UNIF		WV	0	4					
2240	LOAD	Z	701	805	0.00-	39	10.27-	35			GLOB	UNIF		WV	0	4					
2241	LOAD	X	701	806	10.27-	19	10.27-	16			GLOB	UNIF		WV	0	4					
2242	LOAD	Y	701	806	10.27-	34	10.27-	30			GLOB	UNIF		WV	0	4					
2243	LOAD	Z	701	806	10.27-	35	10.27-	30			GLOB	UNIF		WV	0	4					
2244	LOAD	X	701	806	32.55-	16	10.27-	14			GLOB	UNIF		WV	0	4					
2245	LOAD	Y	701	806	32.55-	30	10.27-	25			GLOB	UNIF		WV	0	4					
2246	LOAD	Z	701	806	32.55-	30	10.27-	25			GLOB	UNIF		WV	0	4					
2247	LOAD	X	703	801	0.00-	07	10.28-	06			GLOB	UNIF		WV	0	4					
2248	LOAD	Y	703	801	0.00-	82	10.28-	72			GLOB	UNIF		WV	0	4					
2249	LOAD	Z	703	801	0.00-	04	10.28-	03			GLOB	UNIF		WV	0	4					
2250	LOAD	X	703	801	10.28-	06	10.28-	05			GLOB	UNIF		WV	0	4					
2251	LOAD	Y	703	801	10.28-	72	10.28-	63			GLOB	UNIF		WV	0	4					
2252	LOAD	Z	703	801	10.28-	03	10.28-	03			GLOB	UNIF		WV	0	4					
2253	LOAD	X	703	801	32.55-	05	10.28-	04			GLOB	UNIF		WV	0	4					
2254	LOAD	Y	703	801	32.55-	63	10.28-	56			GLOB	UNIF		WV	0	4					

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.																
2255	LOAD	Z	703	801	32.55-	03	16.28-	02			GLOB	UNIF	WV	0	4	
2256	LOAD	X	706	803	0.00	28	16.28	26			GLOB	UNIF	WV	0	4	
2257	LOAD	Y	706	803	0.00-	34	16.28-	32			GLOB	UNIF	WV	0	4	
2258	LOAD	Z	706	803	0.00	22	16.28	21			GLOB	UNIF	WV	0	4	
2259	LOAD	X	706	803	16.28	26	16.28	25			GLOB	UNIF	WV	0	4	
2260	LOAD	Y	706	803	16.28-	32	16.28-	29			GLOB	UNIF	WV	0	4	
2261	LOAD	Z	706	803	16.28	21	16.28	19			GLOB	UNIF	WV	0	4	
2262	LOAD	X	706	803	32.55	23	16.28	20			GLOB	UNIF	WV	0	4	
2263	LOAD	Y	706	803	32.55-	29	16.28-	26			GLOB	UNIF	WV	0	4	
2264	LOAD	Z	706	803	32.55	19	16.28	18			GLOB	UNIF	WV	0	4	
2265	LOAD	Y	801	802	0.00-	36	22.51-	36			GLOB	UNIF	WV	0	4	
2266	LOAD	Z	801	802	0.00-	1	22.51-	1			GLOB	UNIF	WV	0	4	
2267	LOAD	Y	802	803	0.00-	36	22.51-	36			GLOB	UNIF	WV	0	4	
2268	LOAD	Z	802	803	0.00-	1	22.51-	1			GLOB	UNIF	WV	0	4	
2269	LOAD	X	803	805	0.00	16	22.51	16			GLOB	UNIF	WV	0	4	
2270	LOAD	Y	803	805	0.00-	09	22.51-	09			GLOB	UNIF	WV	0	4	
2271	LOAD	Z	803	805	0.00-	1	22.51-	02			GLOB	UNIF	WV	0	4	
2272	LOAD	X	805	806	0.00	16	22.51	15			GLOB	UNIF	WV	0	4	
2273	LOAD	Y	805	806	0.00-	09	22.51-	09			GLOB	UNIF	WV	0	4	
2274	LOAD	Z	805	806	0.00-	02	22.51-	02			GLOB	UNIF	WV	0	4	
2275	LOAD	X	801	804	0.00-	16	22.51-	16			GLOB	UNIF	WV	0	4	
2276	LOAD	Y	801	804	0.00-	09	22.51-	09			GLOB	UNIF	WV	0	4	
2277	LOAD	Z	801	804	0.00-	1	22.51-	02			GLOB	UNIF	WV	0	4	
2278	LOAD	X	804	806	0.00-	16	22.51-	15			GLOB	UNIF	WV	0	4	
2279	LOAD	Y	804	806	0.00-	09	22.51-	09			GLOB	UNIF	WV	0	4	
2280	LOAD	Z	804	806	0.00-	02	22.51-	02			GLOB	UNIF	WV	0	4	
2281	LOAD	X	802	804	0.00	14	22.52	14			GLOB	UNIF	WV	0	4	
2282	LOAD	Y	802	804	0.00-	08	22.52-	08			GLOB	UNIF	WV	0	4	
2283	LOAD	Z	802	804	0.00-	04	22.52-	05			GLOB	UNIF	WV	0	4	
2284	LOAD	X	802	805	0.00-	14	22.52-	14			GLOB	UNIF	WV	0	4	
2285	LOAD	Y	802	805	0.00-	08	22.52-	08			GLOB	UNIF	WV	0	4	
2286	LOAD	Z	802	805	0.00-	04	22.52-	05			GLOB	UNIF	WV	0	4	
2287	LOAD	Y	804	805	0.00-	33	22.52-	33			GLOB	UNIF	WV	0	4	
2288	LOAD	Z	804	805	0.00-	05	22.52-	05			GLOB	UNIF	WV	0	4	
2289	LOAD	X	801	903	0.00	04	10.64	04			GLOB	UNIF	WV	0	4	
2290	LOAD	Y	801	903	0.00-	50	10.64-	50			GLOB	UNIF	WV	0	4	
2291	LOAD	Z	801	903	0.00-	03	10.64-	02			GLOB	UNIF	WV	0	4	
2292	LOAD	X	801	903	10.64	04	10.64	03			GLOB	UNIF	WV	0	4	
2293	LOAD	Y	801	903	10.64-	50	10.64-	46			GLOB	UNIF	WV	0	4	
2294	LOAD	Z	801	903	10.64-	02	10.64-	02			GLOB	UNIF	WV	0	4	
2295	LOAD	X	801	903	37.28	03	10.64	03			GLOB	UNIF	WV	0	4	
2296	LOAD	Y	801	903	37.28-	46	10.64-	42			GLOB	UNIF	WV	0	4	
2297	LOAD	Z	801	903	37.28-	02	10.64-	1			GLOB	UNIF	WV	0	4	
2298	LOAD	X	803	904	0.00	17	10.64	15			GLOB	UNIF	WV	0	4	
2299	LOAD	Y	803	904	0.00-	24	10.64-	22			GLOB	UNIF	WV	0	4	
2300	LOAD	Z	803	904	0.00-	25	10.64-	23			GLOB	UNIF	WV	0	4	
2301	LOAD	X	803	904	10.	15	10.64	13			GLOB	UNIF	WV	0	4	
2302	LOAD	Y	803	904	10.64-	22	10.64-	19			GLOB	UNIF	WV	0	4	
2303	LOAD	Z	803	904	10.64-	23	10.64-	20			GLOB	UNIF	WV	0	4	

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.															
2304	LOAD	X	803	906	37.28	13	18.64	11		GLOB	UNIF	WV	0	4
2305	LOAD	Y	803	906	37.28-	19	18.64-	16		GLOB	UNIF	WV	0	4
2306	LOAD	Z	803	906	37.28-	20	18.64-	16		GLOB	UNIF	WV	0	4
2307	LOAD	X	806	901	0.00-	19	18.64-	18		GLOB	UNIF	WV	0	4
2308	LOAD	Y	806	901	0.00-	21	18.64-	21		GLOB	UNIF	WV	0	4
2309	LOAD	Z	806	901	0.00	13	18.64	14		GLOB	UNIF	WV	0	4
2310	LOAD	X	806	901	18.64-	18	18.64-	17		GLOB	UNIF	WV	0	4
2311	LOAD	Y	806	9[illegible]	18.64-	21	18.64-	19		GLOB	UNIF	WV	0	4
2312	LOAD	Z	806	901	18.64	14	18.64	13		GLOB	UNIF	WV	0	4
2313	LOAD	X	806	901	37.28-	17	18.64-	15		GLOB	UNIF	WV	0	4
2314	LOAD	Y	806	901	37.28-	19	18.64-	18		GLOB	UNIF	WV	0	4
2315	LOAD	Z	806	901	37.28	13	18.64	13		GLOB	UNIF	WV	0	4
2316	LOAD	Y	901	902	0.00-	29	26.41-	29		GLOB	UNIF	WV	0	4
2317	LOAD	Z	901	902	0.00-	1	26.41-	1		GLOB	UNIF	WV	0	4
2318	LOAD	Y	902	903	0.00-	29	26.41-	29		GLOB	UNIF	WV	0	4
2319	LOAD	Z	902	903	0.00-	1	26.41-	1		GLOB	UNIF	WV	0	4
2320	LOAD	X	903	905	0.00	13	26.41	13		GLOB	UNIF	WV	0	4
2321	LOAD	Y	903	905	0.00-	07	26.41-	08		GLOB	UNIF	WV	0	4
2322	LOAD	Z	903	905	0.00-	1	26.41-	1		GLOB	UNIF	WV	0	4
2323	LOAD	X	905	906	0.00	13	26.41	12		GLOB	UNIF	WV	0	4
2324	LOAD	Y	905	906	0.00-	07	26.41-	07		GLOB	UNIF	WV	0	4
2325	LOAD	Z	905	906	0.00-	1	26.41-	1		GLOB	UNIF	WV	0	4
2326	LOAD	X	901	904	0.00-	13	26.41-	13		GLOB	UNIF	WV	0	4
2327	LOAD	Y	901	904	0.00-	07	26.41-	08		GLOB	UNIF	WV	0	4
2328	LOAD	Z	901	904	0.00-	1	26.41-	1		GLOB	UNIF	WV	0	4
2329	LOAD	X	904	906	0.00-	13	26.41-	12		GLOB	UNIF	WV	0	4
2330	LOAD	Y	904	906	0.00-	07	26.41-	07		GLOB	UNIF	WV	0	4
2331	LOAD	Z	904	906	0.00-	1	26.41-	1		GLOB	UNIF	WV	0	4
2332	LOAD	X	902	904	0.00	11	26.41	10		GLOB	UNIF	WV	0	4
2333	LOAD	Y	902	904	0.00-	06	26.41-	06		GLOB	UNIF	WV	0	4
2334	LOAD	Z	902	904	0.00-	02	26.41-	02		GLOB	UNIF	WV	0	4
2335	LOAD	X	902	905	0.00-	11	26.41-	10		GLOB	UNIF	WV	0	4
2336	LOAD	Y	902	905	0.00-	06	26.41-	06		GLOB	UNIF	WV	0	4
2337	LOAD	Z	902	905	0.00-	02	26.41-	02		GLOB	UNIF	WV	0	4
2338	LOAD	Y	904	905	0.00-	24	26.40-	24		GLOB	UNIF	WV	0	4
2339	LOAD	Z	904	905	0.00-	02	26.40-	02		GLOB	UNIF	WV	0	4
2340	LOAD	X	9011002		0.00	02	12.61	02		GLOB	UNIF	WV	0	4
2341	LOAD	Y	9011002		0.00-	33	12.61-	31		GLOB	UNIF	WV	0	4
2342	LOAD	Z	9011002		0.00	1	12.61	1		GLOB	UNIF	WV	0	4
2343	LOAD	X	9011002		12.61	02	12.61	1		GLOB	UNIF	WV	0	4
2344	LOAD	Y	9011002		12.61-	31	12.61-	27		GLOB	UNIF	WV	0	4
2345	LOAD	Z	9011002		12.61	1	12.61	1		GLOB	UNIF	WV	0	4
2346	LOAD	X	9011002		25.22	1	12.61			GLOB	UNIF	WV	0	4
2347	LOAD	Y	9011002		25.22-	27	12.61-	04		GLOB	UNIF	WV	0	4
2348	LOAD	Z	9011002		25.22	1	12.61			GLOB	UNIF	WV	0	4
2349	LOAD	X	9031002		0.00-	02	12.61-	02		GLOB	UNIF	WV	0	4
2350	LOAD	Y	9031002		0.00-	33	12.61-	31		GLOB	UNIF	WV	0	4
2351	LOAD	Z	9031002		0.00	1	12.61	1		GLOB	UNIF	WV	0	4
2352	LOAD	X	9031002		12.61-	02	12.61-	1		GLOB	UNIF	WV	0	4

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1 1...5	2 2...5	3 3...5	4 4...5	5 5...0	6 6...5	7 7...0	8 ...5...0
2353	LOAD Y 9031002	12.61-	31	12.61-	27	GLOB UNIF	WV 0 4	
2354	LOAD Z 9031002	12.61	1	12.61	1	GLOB UNIF	WV 0 4	
2355	LOAD X 9031002	25.22-	1	12.61		GLOB UNIF	WV 0 4	
2356	LOAD Y 9031002	25.22-	27	12.61-	04	GLOB UNIF	WV 0 4	
2357	LOAD Z 9031002	25.22	1	12.61		GLOB UNIF	WV 0 4	
2358	LOAD X 9031005	0.00	06	12.61	06	GLOB UNIF	WV 0 4	
2359	LOAD Y 9031005	0.00-	21	12.61-	19	GLOB UNIF	WV 0 4	
2360	LOAD Z 9031005	0.00-	16	12.61-	15	GLOB UNIF	WV 0 4	
2361	LOAD X 9031005	12.61	06	12.61	05	GLOB UNIF	WV 0 4	
2362	LOAD Y 9031005	12.61-	19	12.61-	16	GLOB UNIF	WV 0 4	
2363	LOAD Z 9031005	12.61-	15	12.61-	13	GLOB UNIF	WV 0 4	
2364	LOAD X 9031005	25.23	05	12.61		GLOB UNIF	WV 0 4	
2365	LOAD Y 9031005	25.23-	16	12.61-	1	GLOB UNIF	WV 0 4	
2366	LOAD Z 9031005	25.23-	13	12.61-	1	GLOB UNIF	WV 0 4	
2367	LOAD X 9061005	0.00	06	12.61	07	GLOB UNIF	WV 0 4	
2368	LOAD Y 9061005	0.00-	20	12.61-	19	GLOB UNIF	WV 0 4	
2369	LOAD Z 9061005	0.00	12	12.61	12	GLOB UNIF	WV 0 4	
2370	LOAD X 9061005	12.61	07	12.61	06	GLOB UNIF	WV 0 4	
2371	LOAD Y 9061005	12.61-	19	12.61-	17	GLOB UNIF	WV 0 4	
2372	LOAD Z 9061005	12.61	12	12.61	10	GLOB UNIF	WV 0 4	
2373	LOAD X 9061005	25.22	06	12.61		GLOB UNIF	WV 0 4	
2374	LOAD Y 9061005	25.22-	17	12.61-	1	GLOB UNIF	WV 0 4	
2375	LOAD Z 9061005	25.22	10	12.61	1	GLOB UNIF	WV 0 4	
2376	LOAD X 9011004	0.00-	06	12.61-	06	GLOB UNIF	WV 0 4	
2377	LOAD Y 9011004	0.00-	21	12.61-	19	GLOB UNIF	WV 0 4	
2378	LOAD Z 9011004	0.00-	16	12.61-	15	GLOB UNIF	WV 0 4	
2379	LOAD X 9011004	12.61-	06	12.61-	05	GLOB UNIF	WV 0 4	
2380	LOAD Y 9011004	12.61-	19	12.61-	16	GLOB UNIF	WV 0 4	
2381	LOAD Z 9011004	12.61-	15	12.61-	13	GLOB UNIF	WV 0 4	
2382	LOAD X 9011004	25.23-	05	12.61		GLOB UNIF	WV 0 4	
2383	LOAD Y 9011004	25.23-	16	12.61-	1	GLOB UNIF	WV 0 4	
2384	LOAD Z 9011004	25.23-	13	12.61-	1	GLOB UNIF	WV 0 4	
2385	LOAD X 9061004	0.00-	06	12.61-	07	GLOB UNIF	WV 0 4	
2386	LOAD Y 9061004	0.00-	20	12.61-	19	GLOB UNIF	WV 0 4	
2387	LOAD Z 9061004	0.00	12	12.61	12	GLOB UNIF	WV 0 4	
2388	LOAD X 9061004	12.61-	07	12.61-	06	GLOB UNIF	WV 0 4	
2389	LOAD Y 9061004	12.61-	19	12.61-	17	GLOB UNIF	WV 0 4	
2390	LOAD Z 9061004	12.61	12	12.61	10	GLOB UNIF	WV 0 4	
2391	LOAD X 9061004	25.22-	06	12.61		GLOB UNIF	WV 0 4	
2392	LOAD Y 9061004	25.22-	17	12.61-	1	GLOB UNIF	WV 0 4	
2393	LOAD Z 9061004	25.22	10	12.61	1	GLOB UNIF	WV 0 4	
2394	LOAD Y 10011002	0.00-	05	30.31-	05	GLOB UNIF	WV 0 4	
2395	LOAD Y 10021003	0.00-	05	30.31-	05	GLOB UNIF	WV 0 4	
2396	LOAD X 10031005	0.00	02	10.10	02	GLOB UNIF	WV 0 4	
2397	LOAD Y 10031005	0.00-	1	10.10-	1	GLOB UNIF	WV 0 4	
2398	LOAD X 10031005	10.10	02	10.10	02	GLOB UNIF	WV 0 4	
2399	LOAD Y 10031005	10.10-	1	10.10-	1	GLOB UNIF	WV 0 4	
2400	LOAD X 10031005	20.21	02	10.10	1	GLOB UNIF	WV 0 4	
2401	LOAD Y 10031005	20.21-	1	10.10-	1	GLOB UNIF	WV 0 4	

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
2402	LOAD X 10051006	0.00	1	10.10	1					GLOB UNIF	WV 0 4				
2403	LOAD Y 10051006	0.00-	1	10.10						GLOB UNIF	WV 0 4				
2404	LOAD X 10051006	10.10	1	10.10						GLOB UNIF	WV 0 4				
2405	LOAD X 10011004	0.00-	02	10.10-	02					GLOB UNIF	WV 0 4				
2406	LOAD Y 10011004	0.00-	1	10.10-	1					GLOB UNIF	WV 0 4				
2407	LOAD X 10011004	10.10-	02	10.10-	02					GLOB UNIF	WV 0 4				
2408	LOAD Y 10011004	10.10-	1	10.10-	1					GLOB UNIF	WV 0 4				
2409	LOAD X 10011004	20.21-	02	10.10-	1					GLOB UNIF	WV 0 4				
2410	LOAD Y 10011004	20.21-	1	10.10-	1					GLOB UNIF	WV 0 4				
2411	LOAD X 10041006	0.00-	1	10.10-	1					GLOB UNIF	WV 0 4				
2412	LOAD Y 10041006	0.00-	1	10.10						GLOB UNIF	WV 0 4				
2413	LOAD X 10041006	10.10-	1	10.10						GLOB UNIF	WV 0 4				
2414	LOAD X 10021004	0.00	1	10.10	1					GLOB UNIF	WV 0 4				
2415	LOAD Y 10021004	0.00-	1	10.10-	1					GLOB UNIF	WV 0 4				
2416	LOAD X 10021004	10.10	1	10.10	1					GLOB UNIF	WV 0 4				
2417	LOAD Y 10021004	10.10-	1	10.10-	1					GLOB UNIF	WV 0 4				
2418	LOAD X 10021004	20.21	1	10.10	1					GLOB UNIF	WV 0 4				
2419	LOAD Y 10021004	20.21-	1	10.10						GLOB UNIF	WV 0 4				
2420	LOAD X 10021005	0.00-	1	10.10-	1					GLOB UNIF	WV 0 4				
2421	LOAD Y 10021005	0.00-	1	10.10-	1					GLOB UNIF	WV 0 4				
2422	LOAD X 10021005	10.10-	1	10.10-	1					GLOB UNIF	WV 0 4				
2423	LOAD Y 10021005	10.10-	1	10.10-	1					GLOB UNIF	WV 0 4				
2424	LOAD X 10021005	20.21-	1	10.10-	1					GLOB UNIF	WV 0 4				
2425	LOAD Y 10021005	20.21-	1	10.10						GLOB UNIF	WV 0 4				
2426	LOAD Y 10041005	0.00-	02	30.30-	02					GLOB UNIF	WV 0 4				
2427	LOAD Y 201 301	10.96-	91	1.35-	139					GLOB UNIF	WV 0 4				
2428	LOAD Y 201 301	12.31-	139	1.35-	166					GLOB UNIF	WV 0 4				
2429	LOAD Y 201 501	13.65-	166	1.35-	176					GLOB UNIF	WV 0 4				
2430	LOAD Y 203 303	10.96-	91	1.35-	139					GLOB UNIF	WV 0 4				
2431	LOAD Y 203 303	12.31-	139	1.35-	168					GLOB UNIF	WV 0 4				
2432	LOAD Y 203 303	13.65-	166	1.35-	176					GLOB UNIF	WV 0 4				
2433	LOAD Y 206 306	7.82-	41	2.39-	89					GLOB UNIF	WV 0 4				
2434	LOAD Y 206 306	10.21-	89	2.39-	138					GLOB UNIF	WV 0 4				
2435	LOAD Y 206 306	12.61-	138	2.39-	160					GLOB UNIF	WV 0 4				
2436	LOAD Y 301 401	0.00-	176	14.25-	225					GLOB UNIF	WV 0 4				
2437	LOAD Y 301 401	14.25-	225	14.25-	151					GLOB UNIF	WV 0 4				
2438	LOAD Y 303 403	0.00-	176	14.25-	225					GLOB UNIF	WV 0 4				
2439	LOAD Y 303 403	14.25-	225	14.25-	151					GLOB UNIF	WV 0 4				
2440	LOAD Y 306 406	0.00-	160	9.50-	214					GLOB UNIF	WV 0 4				
2441	LOAD Y 306 406	9.50-	214	9.50-	193					GLOB UNIF	WV 0 4				
2442	LOAD Y 306 406	19.00-	193	9.50-	133					GLOB UNIF	WV 0 4				
2443	LOAD X 401 501	0.00-	13	4.56-	12					GLOB UNIF	WV 0 4				
2444	LOAD Y 401 501	0.00-	248	4.56-	228					GLOB UNIF	WV 0 4				
2445	LOAD Z 401 501	0.00	19	4.56	17					GLOB UNIF	WV 0 4				
2446	LOAD X 403 503	0.00	13	4.56	12					GLOB UNIF	WV 0 4				
2447	LOAD Y 403 503	0.00-	248	4.56-	228					GLOB UNIF	WV 0 4				
2448	LOAD Z 403 503	0.00	19	4.56	17					GLOB UNIF	WV 0 4				
2449	LOAD Y 406 506	0.00-	213	4.56-	193					GLOB UNIF	WV 0 4				
2450	LOAD Z 406 506	0.00-	35	4.56-	32					GLOB UNIF	WV 0 4				

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
2451	LOAD	X	501	601	0.00-	12	3.04-	12					GLOB	UNIF	WV 0 4
2452	LOAD	Y	501	601	0.00-	226	3.04-	214					GLOB	UNIF	WV 0 4
2453	LOAD	Z	501	601	0.00	17	3.04	16					GLOB	UNIF	WV 0 4
2454	LOAD	X	501	601	3.04-	12	3.04-	11					GLOB	UNIF	WV 0 4
2455	LOAD	Y	501	601	3.04-	214	3.04-	201					GLOB	UNIF	WV 0 4
2456	LOAD	Z	501	601	3.04	16	3.04	15					GLOB	UNIF	WV 0 4
2457	LOAD	X	503	603	0.00	12	3.04	12					GLOB	UNIF	WV 0 4
2458	LOAD	Y	503	603	0.00-	226	3.04-	214					GLOB	UNIF	WV 0 4
2459	LOAD	Z	503	603	0.00	17	3.04	16					GLOB	UNIF	WV 0 4
2460	LOAD	X	503	603	3.04	12	3.04	11					GLOB	UNIF	WV 0 4
2461	LOAD	Y	503	603	3.04-	214	3.04-	201					GLOB	UNIF	WV 0 4
2462	LOAD	Z	503	603	3.04	16	3.04	15					GLOB	UNIF	WV 0 4
2463	LOAD	Y	506	606	0.00-	193	3.04-	180					GLOB	UNIF	WV 0 4
2464	LOAD	Z	506	606	0.00-	32	3.04-	30					GLOB	UNIF	WV 0 4
2465	LOAD	Y	506	606	3.04-	180	3.04-	169					GLOB	UNIF	WV 0 4
2466	LOAD	Z	506	606	3.04-	30	3.04-	28					GLOB	UNIF	WV 0 4
2467	LOAD	X	601	641	0.00-	11	6.08-	10					GLOB	UNIF	WV 0 4
2468	LOAD	Y	601	641	0.00-	201	6.08-	181					GLOB	UNIF	WV 0 4
2469	LOAD	Z	601	641	0.00	15	6.08	14					GLOB	UNIF	WV 0 4
2470	LOAD	X	603	643	0.00	11	6.08	10					GLOB	UNIF	WV 0 4
2471	LOAD	Y	603	643	0.00-	201	6.08-	181					GLOB	UNIF	WV 0 4
2472	LOAD	Z	603	643	0.00	15	6.08	14					GLOB	UNIF	WV 0 4
2473	LOAD	Y	606	646	0.00-	169	6.08-	150					GLOB	UNIF	WV 0 4
2474	LOAD	Z	606	646	0.00-	28	6.08-	25					GLOB	UNIF	WV 0 4
2475	LOAD	X	641	651	0.00-	21	6.08-	19					GLOB	UNIF	WV 0 4
2476	LOAD	Y	641	651	0.00-	278	6.08-	250					GLOB	UNIF	WV 0 4
2477	LOAD	Z	641	651	0.00	20	6.08	18					GLOB	UNIF	WV 0 4
2478	LOAD	X	643	653	0.00	21	6.08	19					GLOB	UNIF	WV 0 4
2479	LOAD	Y	643	653	0.00-	278	6.08-	250					GLOB	UNIF	WV 0 4
2480	LOAD	Z	643	653	0.00	20	6.08	18					GLOB	UNIF	WV 0 4
2481	LOAD	Y	646	656	0.00-	212	6.08-	187					GLOB	UNIF	WV 0 4
2482	LOAD	Z	646	656	0.00-	35	6.08-	31					GLOB	UNIF	WV 0 4
2483	LOAD	X	651	701	0.00-	19	3.55-	18					GLOB	UNIF	WV 0 4
2484	LOAD	Y	651	701	0.00-	251	3.55-	236					GLOB	UNIF	WV 0 4
2485	LOAD	Z	651	701	0.00	18	3.55	17					GLOB	UNIF	WV 0 4
2486	LOAD	X	651	701	3.55-	18	3.55-	17					GLOB	UNIF	WV 0 4
2487	LOAD	Y	651	701	3.55-	236	3.55-	222					GLOB	UNIF	WV 0 4
2488	LOAD	Z	651	701	3.55	17	3.55	16					GLOB	UNIF	WV 0 4
2489	LOAD	X	653	703	0.00	19	3.55	18					GLOB	UNIF	WV 0 4
2490	LOAD	Y	653	703	0.00-	251	3.55-	236					GLOB	UNIF	WV 0 4
2491	LOAD	Z	653	703	0.00	18	3.55	17					GLOB	UNIF	WV 0 4
2492	LOAD	X	653	703	3.55	18	3.55	17					GLOB	UNIF	WV 0 4
2493	LOAD	Y	653	703	3.55-	236	3.55-	222					GLOB	UNIF	WV 0 4
2494	LOAD	Z	653	703	3.55	17	3.55	16					GLOB	UNIF	WV 0 4
2495	LOAD	Y	656	706	0.00-	187	3.55-	175					GLOB	UNIF	WV 0 4
2496	LOAD	Z	656	706	0.00-	31	3.55-	29					GLOB	UNIF	WV 0 4
2497	LOAD	Y	656	706	3.55-	175	3.55-	162					GLOB	UNIF	WV 0 4
2498	LOAD	Z	656	706	3.55-	29	3.55-	27					GLOB	UNIF	WV 0 4
2499	LOAD	X	701	801	0.00-	15	8.79-	13					GLOB	UNIF	WV 0 4

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
2500	LOAD Y	701 801	0.00-	209	8.79-	183					GLOB UNIF		WV 0 4		
2501	LOAD Z	701 801	0.00	15	8.79	13					GLOB UNIF		WV 0 4		
2502	LOAD X	701 801	8.79-	13	8.79-	11					GLOB UNIF		WV 0 4		
2503	LOAD Y	701 801	8.79-	185	8.79-	163					GLOB UNIF		WV 0 4		
2504	LOAD Z	701 801	8.79	13	8.79	12					GLOB UNIF		WV 0 4		
2505	LOAD X	701 801	17.57-	11	8.79-	10					GLOB UNIF		WV 0 4		
2506	LOAD Y	701 801	17.57-	165	8.79-	146					GLOB UNIF		WV 0 4		
2507	LOAD Z	701 801	17.57	12	8.79	11					GLOB UNIF		WV 0 4		
2508	LOAD X	703 803	0.00	15	8.79	13					GLOB UNIF		WV 0 4		
2509	LOAD Y	703 803	0.00-	209	8.79-	183					GLOB UNIF		WV 0 4		
2510	LOAD Z	703 803	0.00	15	8.79	13					GLOB UNIF		WV 0 4		
2511	LOAD X	703 803	8.79	13	8.79	11					GLOB UNIF		WV 0 4		
2512	LOAD Y	703 803	8.79-	185	8.79-	163					GLOB UNIF		WV 0 4		
2513	LOAD Z	703 803	8.79	13	8.79	12					GLOB UNIF		WV 0 4		
2514	LOAD X	703 803	17.57	11	8.79	10					GLOB UNIF		WV 0 4		
2515	LOAD Y	703 803	17.57-	165	8.79-	146					GLOB UNIF		WV 0 4		
2516	LOAD Z	703 803	17.57	12	8.79	11					GLOB UNIF		WV 0 4		
2517	LOAD Y	706 806	0.00-	157	8.79-	133					GLOB UNIF		WV 0 4		
2518	LOAD Z	706 806	0.00-	26	8.79-	22					GLOB UNIF		WV 0 4		
2519	LOAD Y	706 806	8.79-	133	8.79-	114					GLOB UNIF		WV 0 4		
2520	LOAD Z	706 806	8.79-	22	8.79-	19					GLOB UNIF		WV 0 4		
2521	LOAD Y	706 806	17.57-	114	8.79-	98					GLOB UNIF		WV 0 4		
2522	LOAD Z	706 806	17.57-	19	8.79-	16					GLOB UNIF		WV 0 4		
2523	LOAD X	801 901	0.00-	10	9.12-	08					GLOB UNIF		WV 0 4		
2524	LOAD Y	801 901	0.00-	146	9.12-	132					GLOB UNIF		WV 0 4		
2525	LOAD Z	801 901	0.00	11	9.12	10					GLOB UNIF		WV 0 4		
2526	LOAD X	801 901	9.12-	08	9.12-	07					GLOB UNIF		WV 0 4		
2527	LOAD Y	801 901	9.12-	132	9.12-	121					GLOB UNIF		WV 0 4		
2528	LOAD Z	801 901	9.12	10	9.12	09					GLOB UNIF		WV 0 4		
2529	LOAD X	801 901	18.25-	07	9.12-	05					GLOB UNIF		WV 0 4		
2530	LOAD Y	801 901	18.25-	121	9.12-	112					GLOB UNIF		WV 0 4		
2531	LOAD Z	801 901	18.25	09	9.12	09					GLOB UNIF		WV 0 4		
2532	LOAD X	803 903	0.00	10	9.12	08					GLOB UNIF		WV 0 4		
2533	LOAD Y	803 903	0.00-	146	9.12-	132					GLOB UNIF		WV 0 4		
2534	LOAD Z	803 903	0.00	11	9.12	10					GLOB UNIF		WV 0 4		
2535	LOAD X	803 903	9.12	08	9.12	07					GLOB UNIF		WV 0 4		
2536	LOAD Y	803 903	9.12-	132	9.12-	121					GLOB UNIF		WV 0 4		
2537	LOAD Z	803 903	9.12	10	9.12	09					GLOB UNIF		WV 0 4		
2538	LOAD X	803 903	18.25	07	9.12	05					GLOB UNIF		WV 0 4		
2539	LOAD Y	803 903	18.25-	121	9.12-	112					GLOB UNIF		WV 0 4		
2540	LOAD Z	803 903	18.25	09	9.12	09					GLOB UNIF		WV 0 4		
2541	LOAD Y	806 906	0.00-	95	13.69-	78					GLOB UNIF		WV 0 4		
2542	LOAD Z	806 906	0.00-	16	13.69-	13					GLOB UNIF		WV 0 4		
2543	LOAD Y	806 906	13.69-	78	13.69-	63					GLOB UNIF		WV 0 4		
2544	LOAD Z	806 906	13.69-	13	13.69-	11					GLOB UNIF		WV 0 4		
2545	LOAD X	9011001	0.00-	05	9.12-	04					GLOB UNIF		WV 0 4		
2546	LOAD Y	9011001	0.00-	112	9.12-	106					GLOB UNIF		WV 0 4		
2547	LOAD Z	9011001	0.00	09	9.12	08					GLOB UNIF		WV 0 4		
2548	LOAD X	9011001	9.12-	04	9.12-	02					GLOB UNIF		WV 0 4		

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.																	
2549	LOAD	Y	9011001	9.12-	106	9.12-	95			GLOB	UNIF		WV	0	4		
2550	LOAD	Z	9011001	9.12	08	9.12	08			GLOB	UNIF		WV	0	4		
2551	LOAD	X	9011001	18.25-	02	9.12				GLOB	UNIF		WV	0	4		
2552	LOAD	Y	9011001	18.25-	95	9.12-	36			GLOB	UNIF		WV	0	4		
2553	LOAD	Z	9011001	18.25	08	9.12	03			GLOB	UNIF		WV	0	4		
2554	LOAD	X	9031003	0.00	05	9.12	04			GLOB	UNIF		WV	0	4		
2555	LOAD	Y	9031003	0.00-	112	9.12-	106			GLOB	UNIF		WV	0	4		
2556	LOAD	Z	9031003	0.00	09	9.12	08			GLOB	UNIF		WV	0	4		
2557	LOAD	X	9031003	9.12	04	9.12	02			GLOB	UNIF		WV	0	4		
2558	LOAD	Y	9031003	9.12-	106	9.12-	95			GLOB	UNIF		WV	0	4		
2559	LOAD	Z	9031003	9.12	08	9.12	08			GLOB	UNIF		WV	0	4		
2560	LOAD	X	9031003	18.25	02	9.12				GLOB	UNIF		WV	0	4		
2561	LOAD	Y	9031003	18.25-	95	9.12-	36			GLOB	UNIF		WV	0	4		
2562	LOAD	Z	9031003	18.25	08	9.12	03			GLOB	UNIF		WV	0	4		
2563	LOAD	Y	9061006	0.00-	63	9.12-	55			GLOB	UNIF		WV	0	4		
2564	LOAD	Z	9061006	0.00-	11	9.12-	09			GLOB	UNIF		WV	0	4		
2565	LOAD	Y	9061006	9.12-	55	9.12-	41			GLOB	UNIF		WV	0	4		
2566	LOAD	Z	9061006	9.12-	09	9.12-	07			GLOB	UNIF		WV	0	4		
2567	LOAD	Y	9061006	18.25-	41	5.92				GLOB	UNIF		WV	0	4		
2568	LOAD	Y	9061006	24.17		3.20	22			GLOB	UNIF		WV	0	4		
2569	LOAD	Z	9061006	18.25-	07	5.91				GLOB	UNIF		WV	0	4		
2570	LOAD	Z	9061006	24.16		3.22	04			GLOB	UNIF		WV	0	4		
2571	LOADCM		5														
2572	LOAD	Z	101 102	0.00	-.055	14.50	-.055			GLOB	UNIF		DL	0	5		
2573	LOAD	Z	102 103	0.00	-.055	14.50	-.055			GLOB	UNIF		DL	0	5		
2574	LOAD	Z	103 105	0.00	-.055	14.49	-.055			GLOB	UNIF		DL	0	5		
2575	LOAD	Z	105 106	0.00	-.055	14.50	-.055			GLOB	UNIF		DL	0	5		
2576	LOAD	Z	101 104	0.00	-.055	14.49	-.055			GLOB	UNIF		DL	0	5		
2577	LOAD	Z	104 106	0.00	-.055	14.50	-.055			GLOB	UNIF		DL	0	5		
2578	LOAD	Z	102 104	0.00	-.024	14.49	-.024			GLOB	UNIF		DL	0	5		
2579	LOAD	Z	102 105	0.00	-.024	14.49	-.024			GLOB	UNIF		DL	0	5		
2580	LOAD	Z	104 105	0.00	-.024	14.50	-.024			GLOB	UNIF		DL	0	5		
2581	LOAD	Z	106 201	0.00	-.065	32.65	-.065			GLOB	UNIF		DL	0	5		
2582	LOAD	Z	201 202	0.00	-.055	14.50	-.055			GLOB	UNIF		DL	0	5		
2583	LOAD	Z	202 203	0.00	-.055	14.50	-.055			GLOB	UNIF		DL	0	5		
2584	LOAD	Z	203 205	0.00	-.073	14.49	-.073			GLOB	UNIF		DL	0	5		
2585	LOAD	Z	205 206	0.00	-.073	14.50	-.073			GLOB	UNIF		DL	0	5		
2586	LOAD	Z	201 204	0.00	-.055	14.49	-.055			GLOB	UNIF		DL	0	5		
2587	LOAD	Z	204 206	0.00	-.055	14.50	-.055			GLOB	UNIF		DL	0	5		
2588	LOAD	Z	202 204	0.00	-.024	14.49	-.024			GLOB	UNIF		DL	0	5		
2589	LOAD	Z	202 205	0.00	-.024	14.49	-.024			GLOB	UNIF		DL	0	5		
2590	LOAD	Z	204 205	0.00	-.024	14.50	-.024			GLOB	UNIF		DL	0	5		
2591	LOAD	Z	201 303	0.00	-.096	28.73	-.096			GLOB	UNIF		DL	0	5		
2592	LOAD	Z	201 303	28.73	-.039	5.92	-.039			GLOB	UNIF		DL	0	5		
2593	LOAD	Z	203 306	0.00	-.096	28.73	-.096			GLOB	UNIF		DL	0	5		
2594	LOAD	Z	203 306	28.73	-.039	5.92	-.039			GLOB	UNIF		DL	0	5		
2595	LOAD	Z	205 301	0.00	-.096	28.73	-.096			GLOB	UNIF		DL	0	5		
2596	LOAD	Z	205 301	28.73	-.039	5.92	-.039			GLOB	UNIF		DL	0	5		
2597	LOAD	Z	301 403	0.00	-.009	40.66	-.009			GLOB	UNIF		DL	0	5		

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
2598	LOAD Z 301 303 0.00 -.009 29.00 -.009 GLOB UNIF DL 0 5
2599	LOAD Z 303 306 0.00 -.009 29.00 -.009 GLOB UNIF DL 0 5
2600	LOAD Z 301 305 0.00 -.009 29.00 -.009 GLOB UNIF DL 0 5
2601	LOAD Z 501 502 0.00 -.013 15.15 -.013 GLOB UNIF DL 0 5
2602	LOAD Z 502 503 0.00 -.013 15.15 -.013 GLOB UNIF DL 0 5
2603	LOAD Z 503 505 0.00 -.013 15.15 -.013 GLOB UNIF DL 0 5
2604	LOAD Z 505 506 0.00 -.013 15.15 -.013 GLOB UNIF DL 0 5
2605	LOAD Z 501 504 0.00 -.013 15.15 -.013 GLOB UNIF DL 0 5
2606	LOAD Z 504 506 0.00 -.013 15.15 -.013 GLOB UNIF DL 0 5
2607	LOAD Z 502 504 0.00 -.009 15.15 -.009 GLOB UNIF DL 0 5
2608	LOAD Z 502 505 0.00 -.009 15.15 -.009 GLOB UNIF DL 0 5
2609	LOAD Z 504 505 0.00 -.009 15.14 -.009 GLOB UNIF DL 0 5
2610	LOAD Z 501 507 0.00 -.148 2.00 -.148 GLOB UNIF DL 0 5
2611	LOAD Z 507 510 0.00 -.148 2.00 -.148 GLOB UNIF DL 0 5
2612	LOAD Z 503 508 0.00 -.148 2.00 -.148 GLOB UNIF DL 0 5
2613	LOAD Z 508 511 0.00 -.148 2.00 -.148 GLOB UNIF DL 0 5
2614	LOAD Z 505 509 0.00 -.148 2.01 -.148 GLOB UNIF DL 0 5
2615	LOAD Z 509 512 0.00 -.148 2.01 -.148 GLOB UNIF DL 0 5
2616	LOAD Z 501 513 0.00 -.009 3.00 -.009 GLOB UNIF DL 0 5
2617	LOAD Z 503 514 0.00 -.009 3.00 -.009 GLOB UNIF DL 0 5
2618	LOAD Z 513 651 0.00 .020 18.00 .020 GLOB UNIF DL 0 5
2619	LOAD Z 514 653 0.00 .020 18.00 .020 GLOB UNIF DL 0 5
2620	LOAD Z 601 611 0.00 -.049 0.00 -.049 GLOB UNIF DL 0 5
2621	LOAD Z 603 613 0.00 -.049 0.00 -.049 GLOB UNIF DL 0 5
2622	LOAD Z 651 661 0.00 -.049 5.00 -.049 GLOB UNIF DL 0 5
2623	LOAD Z 653 663 0.00 -.049 5.00 -.049 GLOB UNIF DL 0 5
2624	LOAD Z 611 612 0.00 -.017 18.01 -.017 GLOB UNIF DL 0 5
2625	LOAD Z 612 613 0.00 -.017 18.01 -.017 GLOB UNIF DL 0 5
2626	LOAD Z 661 662 0.00 -.017 17.75 -.017 GLOB UNIF DL 0 5
2627	LOAD Z 662 663 0.00 -.017 17.75 -.017 GLOB UNIF DL 0 5
2628	LOAD Z 611 661 0.00 -.049 12.13 -.049 GLOB UNIF DL 0 5
2629	LOAD Z 612 662 0.00 -.049 12.00 -.049 GLOB UNIF DL 0 5
2630	LOAD Z 613 663 0.00 -.049 12.13 -.049 GLOB UNIF DL 0 5
2631	LOAD Z 501 642 0.00 .010 20.25 .010 GLOB UNIF DL 0 5
2632	LOAD Z 503 645 0.00 .010 20.25 .010 GLOB UNIF DL 0 5
2633	LOAD Z 506 644 0.00 .010 20.24 .010 GLOB UNIF DL 0 5
2634	LOAD Z 642 703 0.00 .010 21.93 .010 GLOB UNIF DL 0 5
2635	LOAD Z 645 706 0.00 .010 21.93 .010 GLOB UNIF DL 0 5
2636	LOAD Z 644 701 0.00 .010 21.94 .010 GLOB UNIF DL 0 5
2637	LOAD Z 701 702 0.00 .007 18.76 .007 GLOB UNIF DL 0 5
2638	LOAD Z 702 703 0.00 .007 18.76 .007 GLOB UNIF DL 0 5
2639	LOAD Z 703 705 0.00 .007 18.76 .007 GLOB UNIF DL 0 5
2640	LOAD Z 705 706 0.00 .007 18.75 .007 GLOB UNIF DL 0 5
2641	LOAD Z 701 704 0.00 .007 18.76 .007 GLOB UNIF DL 0 5
2642	LOAD Z 704 706 0.00 .007 18.75 .007 GLOB UNIF DL 0 5
2643	LOAD Z 701 707 0.00 -.148 2.00 -.148 GLOB UNIF DL 0 5
2644	LOAD Z 707 710 0.00 -.148 2.00 -.148 GLOB UNIF DL 0 5
2645	LOAD Z 704 708 0.00 -.148 2.00 -.148 GLOB UNIF DL 0 5
2646	LOAD Z 708 711 0.00 -.148 2.00 -.148 GLOB UNIF DL 0 5

LINE NO.	1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
2647	LOAD Z	706 709	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2648	LOAD Z	709 712	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2649	LOAD Z	701 806	0.00	.010	46.82	.010					GLOB	UNIF	DL	0	5
2650	LOAD Z	703 801	0.00	.010	46.83	.010					GLOB	UNIF	DL	0	5
2651	LOAD Z	706 803	0.00	.010	46.83	.010					GLOB	UNIF	DL	0	5
2652	LOAD Z	801 802	0.00	.007	22.51	.007					GLOB	UNIF	DL	0	5
2653	LOAD Z	802 803	0.00	.007	22.51	.007					GLOB	UNIF	DL	0	5
2654	LOAD Z	803 805	0.00	.007	22.51	.007					GLOB	UNIF	DL	0	5
2655	LOAD Z	805 806	0.00	.007	22.51	.007					GLOB	UNIF	DL	0	5
2656	LOAD Z	801 804	0.00	.007	22.51	.007					GLOB	UNIF	DL	0	5
2657	LOAD Z	804 806	0.00	.007	22.51	.007					GLOB	UNIF	DL	0	5
2658	LOAD Z	801 807	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2659	LOAD Z	807 810	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2660	LOAD Z	803 808	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2661	LOAD Z	808 811	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2662	LOAD Z	806 809	0.00	-.148	2.01	-.148					GLOB	UNIF	DL	0	5
2663	LOAD Z	809 812	0.00	-.148	2.01	-.148					GLOB	UNIF	DL	0	5
2664	LOAD Z	901 903	0.00	.010	55.92	.010					GLOB	UNIF	DL	0	5
2665	LOAD Z	903 906	0.00	.010	55.92	.010					GLOB	UNIF	DL	0	5
2666	LOAD Z	906 901	0.00	.010	55.92	.010					GLOB	UNIF	DL	0	5
2667	LOAD Z	901 902	0.00	-.004	26.41	-.004					GLOB	UNIF	DL	0	5
2668	LOAD Z	902 903	0.00	-.004	26.41	-.004					GLOB	UNIF	DL	0	5
2669	LOAD Z	903 905	0.00	-.004	26.41	-.004					GLOB	UNIF	DL	0	5
2670	LOAD Z	905 906	0.00	-.004	26.41	-.004					GLOB	UNIF	DL	0	5
2671	LOAD Z	901 904	0.00	-.004	26.41	-.004					GLOB	UNIF	DL	0	5
2672	LOAD Z	904 906	0.00	-.004	26.41	-.004					GLOB	UNIF	DL	0	5
2673	LOAD Z	901 907	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2674	LOAD Z	907 910	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2675	LOAD Z	903 908	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2676	LOAD Z	908 911	0.00	-.148	2.00	-.148					GLOB	UNIF	DL	0	5
2677	LOAD Z	906 909	0.00	-.148	2.20	-.148					GLOB	UNIF	DL	0	5
2678	LOAD Z	909 912	0.00	-.148	2.20	-.148					GLOB	UNIF	DL	0	5
2679	LOAD Z	9011002	0.00	-.013	37.84	-.013					GLOB	UNIF	DL	0	5
2680	LOAD Z	9031002	0.00	-.013	37.84	-.013					GLOB	UNIF	DL	0	5
2681	LOAD Z	9031005	0.00	-.013	37.84	-.013					GLOB	UNIF	DL	0	5
2682	LOAD Z	9061005	0.00	-.013	37.83	-.013					GLOB	UNIF	DL	0	5
2683	LOAD Z	9011004	0.00	-.013	37.84	-.013					GLOB	UNIF	DL	0	5
2684	LOAD Z	9041004	0.00	-.013	37.83	-.013					GLOB	UNIF	DL	0	5
2685	LOAD Z	10011002	0.00	.010	30.31	.010					GLOB	UNIF	DL	0	5
2686	LOAD Z	10021003	0.00	.010	30.31	.010					GLOB	UNIF	DL	0	5
2687	LOAD Z	10051005	0.00	.010	30.31	.010					GLOB	UNIF	DL	0	5
2688	LOAD Z	10051006	0.00	.010	30.30	.010					GLOB	UNIF	DL	0	5
2689	LOAD Z	10011004	0.00	.010	30.31	.010					GLOB	UNIF	DL	0	5
2690	LOAD Z	10041006	0.00	.010	30.30	.010					GLOB	UNIF	DL	0	5
2691	LOAD Z	10021004	0.00	.014	30.31	.014					GLOB	UNIF	DL	0	5
2692	LOAD Z	10021005	0.00	.014	30.31	.014					GLOB	UNIF	DL	0	5
2693	LOAD Z	10041005	0.00	.014	30.30	.014					GLOB	UNIF	DL	0	5
2694	LOAD Z	10011007	0.00	-.148	1.99	-.148					GLOB	UNIF	DL	0	5
2695	LOAD Z	10071010	0.00	-.148	1.99	-.148					GLOB	UNIF	DL	0	5

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
2696	LOAD Z 10031008	0.00	-.148	1.99	-.148		GLOB	UNIF	DL	0 5
2697	LOAD Z 10081011	0.00	-.148	1.99	-.148		GLOB	UNIF	DL	0 5
2698	LOAD Z 10061009	0.00	-.148	2.01	-.148		GLOB	UNIF	DL	0 5
2699	LOAD Z 10091012	0.00	-.148	2.01	-.148		GLOB	UNIF	DL	0 5
2700	LOAD Z 101 201	0.00	-.310	15.00	-.310		GLOB	UNIF	DL	0 5
2701	LOAD Z 103 203	0.00	-.310	15.00	-.310		GLOB	UNIF	DL	0 5
2702	LOAD Z 106 206	0.00	-.310	15.00	-.310		GLOB	UNIF	DL	0 5
2703	LOAD Z 201 301	0.00	-.310	13.20	-.310		GLOB	UNIF	DL	0 5
2704	LOAD Z 201 501	13.20	.004	1.80	.004		GLOB	UNIF	DL	0 5
2705	LOAD Z 203 303	0.00	-.310	13.20	-.310		GLOB	UNIF	DL	0 5
2706	LOAD Z 203 503	13.20	.004	1.80	.004		GLOB	UNIF	DL	0 5
2707	LOAD Z 206 306	0.00	-.310	13.20	-.310		GLOB	UNIF	DL	0 5
2708	LOAD Z 206 506	13.20	.004	1.80	.004		GLOB	UNIF	DL	0 5
2709	LOAD Z 301 401	0.00	.004	26.50	.004		GLOB	UNIF	DL	0 5
2710	LOAD Z 303 403	0.00	.004	26.50	.004		GLOB	UNIF	DL	0 5
2711	LOAD Z 306 406	0.00	.004	26.50	.004		GLOB	UNIF	DL	0 5
2712	LOAD Z 401 501	0.00	-.423	4.56	-.423		GLOB	UNIF	DL	0 5
2713	LOAD Z 403 503	0.00	-.423	4.56	-.423		GLOB	UNIF	DL	0 5
2714	LOAD Z 406 506	0.00	-.423	4.56	-.423		GLOB	UNIF	DL	0 5
2715	LOAD Z 501 601	0.00	-.423	6.08	-.423		GLOB	UNIF	DL	0 5
2716	LOAD Z 503 603	0.00	-.423	6.08	-.423		GLOB	UNIF	DL	0 5
2717	LOAD Z 506 606	0.00	-.423	6.08	-.423		GLOB	UNIF	DL	0 5
2718	LOAD Z 601 641	0.00	-.423	6.08	-.423		GLOB	UNIF	DL	0 5
2719	LOAD Z 603 643	0.00	-.423	6.08	-.423		GLOB	UNIF	DL	0 5
2720	LOAD Z 606 646	0.00	-.423	6.08	-.423		GLOB	UNIF	DL	0 5
2721	LOAD Z 641 651	0.00	-.423	6.08	-.423		GLOB	UNIF	DL	0 5
2722	LOAD Z 643 653	0.00	-.423	6.08	-.423		GLOB	UNIF	DL	0 5
2723	LOAD Z 646 656	0.00	-.423	6.08	-.423		GLOB	UNIF	DL	0 5
2724	LOAD Z 651 701	0.00	-.423	7.10	-.423		GLOB	UNIF	DL	0 5
2725	LOAD Z 653 703	0.00	-.423	7.10	-.423		GLOB	UNIF	DL	0 5
2726	LOAD Z 656 706	0.00	-.423	7.10	-.423		GLOB	UNIF	DL	0 5
2727	LOAD Z 701 801	0.00	-.209	26.36	-.209		GLOB	UNIF	DL	0 5
2728	LOAD Z 703 803	0.00	-.209	26.36	-.209		GLOB	UNIF	DL	0 5
2729	LOAD Z 706 806	0.00	-.209	26.36	-.209		GLOB	UNIF	DL	0 5
2730	LOAD Z 801 901	0.00	-.209	27.37	-.209		GLOB	UNIF	DL	0 5
2731	LOAD Z 803 903	0.00	-.209	27.37	-.209		GLOB	UNIF	DL	0 5
2732	LOAD Z 806 906	0.00	-.209	27.37	-.209		GLOB	UNIF	DL	0 5
2733	LOAD Z 9011001	0.00	-.209	27.37	-.209		GLOB	UNIF	DL	0 5
2734	LOAD Z 9031003	0.00	-.209	27.37	-.209		GLOB	UNIF	DL	0 5
2735	LOAD Z 9061006	0.00	-.209	27.37	-.209		GLOB	UNIF	DL	0 5
2736	LOAD Z 401 510	0.00	-.654	4.55	-.654		GLOB	UNIF	DL	0 5
2737	LOAD Z 403 511	0.00	-.654	4.55	-.654		GLOB	UNIF	DL	0 5
2738	LOAD Z 406 512	0.00	-.654	4.55	-.654		GLOB	UNIF	DL	0 5
2739	LOAD Z 510 710	0.00	-.654	25.34	-.654		GLOB	UNIF	DL	0 5
2740	LOAD Z 511 711	0.00	-.654	25.34	-.654		GLOB	UNIF	DL	0 5
2741	LOAD Z 512 712	0.00	-.654	25.35	-.654		GLOB	UNIF	DL	0 5
2742	LOAD Z 710 810	0.00	-.743	26.36	-.743		GLOB	UNIF	DL	0 5
2743	LOAD Z 711 811	0.00	-.743	26.36	-.743		GLOB	UNIF	DL	0 5
2744	LOAD Z 712 812	0.00	-.743	26.36	-.743		GLOB	UNIF	DL	0 5

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                    1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    2745 LOAD Z  810 910     0.00  -.743  27.37  -.743          GLOB UNIF     DL 0 5
    2746 LOAD Z  811 911     0.00  -.743  27.37  -.743          GLOB UNIF     DL 0 5
    2747 LOAD Z  812 912     0.00  -.743  27.37  -.743          GLOB UNIF     DL 0 5
    2748 LOAD Z 9101010      0.00  -.874  27.37  -.874          GLOB UNIF     DL 0 5
    2749 LOAD Z 9111011      0.00  -.874  27.37  -.874          GLOB UNIF     DL 0 5
    2750 LOAD Z 9121012      0.00  -.874  27.37  -.874          GLOB UNIF     DL 0 5
    2751 LOAD Z  201 202            -500                       GLOB CONC   DL LWR
    2752 LOAD Z  203 205            -500                       GLOB CONC   DL LWR
    2753 LOAD Z  204 206    1440    -500                       GLOB CONC   DL LWR
    2754 LOAD Z  101 102            -500                       GLOB CONC   DL UPR
    2755 LOAD Z  103 105            -500                       GLOB CONC   DL UPR
    2756 LOAD Z  104 106    1440    -500                       GLOB CONC   DL UPR
    2757 LOAD Z  101 102            -042          -042         GLOB UNIF   LL UPR
    2758 LOAD Z  102 103            -042          -042         GLOB UNIF   LL UPR
    2759 LOAD Z  103 105            -042          -042         GLOB UNIF   LL UPR
    2760 LOAD Z  105 106            -042          -042         GLOB UNIF   LL UPR
    2761 LOAD Z  101 104            -042          -042         GLOB UNIF   LL UPR
    2762 LOAD Z  104 106            -042          -042         GLOB UNIF   LL UPR
    2763 LOAD Z  201 202            -063          -063         GLOB UNIF   LL EQM
    2764 LOAD Z  202 203            -063          -063         GLOB UNIF   LL EQM
    2765 LOAD Z  203 205            -160          -160         GLOB UNIF   LL EQM
    2766 LOAD Z  205 206            -160          -160         GLOB UNIF   LL EQM
    2767 LOAD Z  201 204            -063          -063         GLOB UNIF   LL EQM
    2768 LOAD Z  204 206            -063          -063         GLOB UNIF   LL EQM
    2769 LOAD Z  601 611     300    -1100                      GLOB CONC   BUAT LDG
    2770 LOAD Z  603 613     300    -1100                      GLOB CONC   BUAT LDG
    2771 LOAD Z  513 651            -120                       GLOB CONC   BUAT BUM
    2772 LOAD Z  514 653            -120                       GLOB UNIF   BUAT BUM
    2773 LOCOMB
    2774 LOCOMB    6 100.   1 100.    5
    2775 LOCOMB    7 100.   2 100.    5
    2776 LOCOMB    8 100.   3 100.    5
    2777 LOCOMB    9 100.   4 100.    5
    2778 END
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S T R A N - P-Y D A T A

PILE JOINT NO. 1010

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	5.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	.107	.129	.153	.169	.188	.237	.237
DEFL (IN)	0.000	.049	.120	.270	.430	.700	1.580	20.000
DEPTH (FT) =	14.00							
FORCE (K/IN)	0.000	.366	.611	.906	1.136	1.440	2.274	2.274
DEFL (IN)	0.000	.036	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	24.00							
FORCE (K/IN)	0.000	1.204	1.981	2.347	2.896	3.644	5.830	5.830
DEFL (IN)	0.000	.069	.140	.280	.430	.700	1.580	20.000
DEPTH (FT) =	33.00							
FORCE (K/IN)	0.000	2.789	3.444	4.456	5.337	6.572	10.515	10.515
DEFL (IN)	0.000	.120	.180	.310	.450	.700	1.580	20.000
DEPTH (FT) =	33.08							
FORCE (K/IN)	0.000	1.354	1.838	2.494	3.384	4.594	4.594	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.00							
FORCE (K/IN)	0.000	2.321	3.150	4.275	5.802	7.875	7.875	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.08							
FORCE (K/IN)	0.000	2.532	3.433	4.719	5.791	7.259	11.615	11.615
DEFL (IN)	0.000	.076	.150	.290	.440	.700	1.580	20.000
DEPTH (FT) =	65.00							
FORCE (K/IN)	0.000	3.542	4.840	6.680	8.210	10.303	16.485	16.485
DEFL (IN)	0.000	.075	.150	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.00							
FORCE (K/IN)	0.000	4.756	6.551	9.079	11.176	14.040	22.464	22.464
DEFL (IN)	0.000	.073	.140	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.08							
FORCE (K/IN)	0.000	1.499	3.003	4.684	5.988	7.706	12.329	12.329
DEFL (IN)	0.000	.025	.098	.250	.410	.700	1.580	20.000

DEPTH (FT) =	95.00							
FORCE (K/IN)	0.000	1.581	3.167	4.945	6.314	8.126	13.001	13.001
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000
DEPTH (FT) =	114.00							
FORCE (K/IN)	0.000	1.638	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	1.638	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000

S T R A N - P-Y D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	5.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	.107	.129	.153	.169	.188	.237	.237
DEFL (IN)	0.000	.049	.120	.270	.430	.700	1.580	20.000
DEPTH (FT) =	18.00							
FORCE (K/IN)	0.000	.366	.611	.906	1.136	1.440	2.274	2.274
DEFL (IN)	0.000	.036	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	24.00							
FORCE (K/IN)	0.000	1.204	1.681	2.347	2.896	3.644	5.830	5.830
DEFL (IN)	0.000	.069	.140	.280	.430	.700	1.580	20.000
DEPTH (FT) =	33.00							
FORCE (K/IN)	0.000	2.789	3.444	4.456	5.337	6.572	10.515	10.515
DEFL (IN)	0.000	.120	.180	.310	.450	.700	1.580	20.000
DEPTH (FT) =	35.08							
FORCE (K/IN)	0.000	1.354	1.838	2.494	3.384	4.594	4.594	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.00							
FORCE (K/IN)	0.000	2.321	3.150	4.275	5.802	7.875	7.875	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.08							
FORCE (K/IN)	0.000	2.532	3.433	4.719	5.791	7.259	11.615	11.615
DEFL (IN)	0.000	.076	.150	.290	.440	.700	1.580	20.000
DEPTH (FT) =	65.00							
FORCE (K/IN)	0.000	3.542	4.840	6.680	8.210	10.303	16.485	16.485
DEFL (IN)	0.000	.075	.150	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.00							
FORCE (K/IN)	0.000	4.756	6.551	9.079	11.176	14.040	22.464	22.464
DEFL (IN)	0.000	.073	.140	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.08							
FORCE (K/IN)	0.000	1.499	3.003	4.689	5.968	7.706	12.329	12.329
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000

DEPTH (FT) =	95.00							
FORCE (K/IN)	0.000	1.581	3.167	4.945	6.314	8.126	13.001	13.001
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000
DEPTH (FT) =	114.00							
FORCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	5.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	.107	.129	.155	.169	.188	.237	.237
DEFL (IN)	0.000	.049	.120	.270	.430	.700	1.580	20.000
DEPTH (FT) =	14.00							
FORCE (K/IN)	0.000	.368	.611	.906	1.136	1.440	2.274	2.274
DEFL (IN)	0.000	.036	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	24.00							
FORCE (K/IN)	0.000	1.204	1.681	2.347	2.896	3.644	5.830	5.830
DEFL (IN)	0.000	.069	.140	.280	.430	.700	1.580	20.000
DEPTH (FT) =	33.00							
FORCE (K/IN)	0.000	2.789	3.448	4.456	5.337	6.572	10.515	10.515
DEFL (IN)	0.000	.120	.180	.310	.450	.700	1.560	20.000
DEPTH (FT) =	33.08							
FORCE (K/IN)	0.000	1.354	1.838	2.494	3.384	4.594	4.594	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.00							
FORCE (K/IN)	0.000	2.321	3.150	4.275	5.802	7.875	7.875	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.08							
FORCE (K/IN)	0.000	2.532	3.433	4.719	5.791	7.259	11.615	11.615
DEFL (IN)	0.000	.078	.150	.290	.440	.700	1.580	20.000
DEPTH (FT) =	65.00							
FORCE (K/IN)	0.000	3.542	4.840	6.680	8.210	10.303	16.485	16.485
DEFL (IN)	0.000	.075	.150	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.00							
FORCE (K/IN)	0.000	4.756	6.551	9.079	11.176	14.040	22.464	22.464
DEFL (IN)	0.000	.075	.140	.290	.440	.700	1.580	20.000
DEPTH (FT) =	90.08							
FORCE (K/IN)	0.000	1.499	3.003	4.669	5.988	7.706	12.329	12.329
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000

S T R A N - P-Y D A T A

PILE JOINT NO. 1012

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

DEPTH (FT) =	95.00							
FORCE (K/IN)	0.000	1.581	3.167	4.945	6.314	8.126	13.001	13.001
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000
DEPTH (FT) =	114.00							
FORCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000

SIRAN - NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 6
CYCLE NO. 1

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS, IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN, RAD)	PERCENT DIFFERENCE
1010	1	-2.8629	-.50007	-.00689		
1010	2	-21.0041	-.04869	-.05058		
1010	3	-179.2308	-.02472	-.02472		
1010	4	-2100.4077	.00048	.00014		
1010	5	266.2944	-.00500	-.00002		
1010	6	5780.3345	.00340	.00340		
1011	1	-3.0626	.02210	.10380		
1011	2	-441.4165	-.61231	-2.86313		
1011	3	1760.1722	.25259	.25259		
1011	4	-44141.6494	.00608	.00796		
1011	5	506.2774	.00022	.00029		
1011	6	4795.6387	.00432	.00432		
1012	1	-1.9325	.03512	.18149		
1012	2	430.5742	.63695	3.27949		
1012	3	-2290.4773	-.32500	-.32500		
1012	4	43057.4168	-.00633	-.00957		
1012	5	193.2478	.00035	.00053		
1012	6	4710.6805	.00424	.00424		

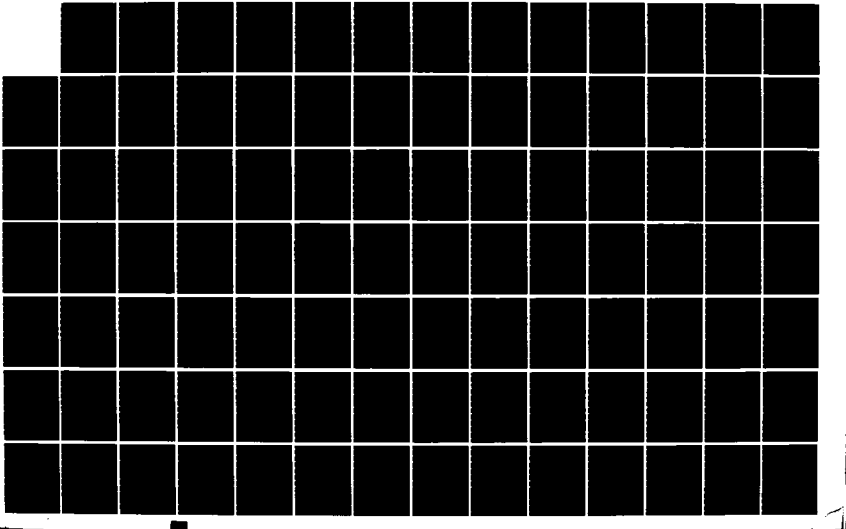
U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

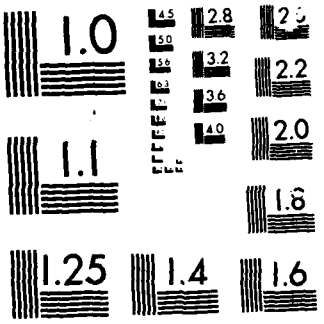
NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-19.8223	-.42145	-.26179		
1010	2	-25.3295	-.09157	-.33453	.0065	.0153
1010	3	-173.9635	-.02468	-.02468		
1010	4	-1210.2781	.00039	.00184		
1010	5	-14104.6169	-.00279	-.00144	.0005	.2035
1010	6	2928.3498	.00264	.00264		
1011	1	.7769	.10288	.16838		
1011	2	-434.3168	-2.30248	-2.41354	.1146	.0497
1011	3	1776.1283	.25202	.25202		
1011	4	-51600.2047	.00590	.00592		
1011	5	2366.6061	.00056	.00041	.0000	.0012
1011	6	4094.5265	.00369	.00369		
1012	1	1.8670	.12596	.19849		
1012	2	414.9961	2.37378	2.51579	.1465	.0616
1012	3	-2264.5670	-.32416	-.32416		
1012	4	51768.6422	-.00621	-.00634		
1012	5	2266.3730	.00065	.00050	.0001	.0180
1012	6	4029.0708	.00363	.00365		

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-19.2091	-.50782	-.23613		
1010	2	-25.0166	-.10634	-.30752	.1311	.3382
1010	3	-172.9258	-.02454	-.02454		
1010	4	-1694.7776	.00042	.00169		
1010	5	-13447.3670	-.00299	-.00130	.0009	.4178
1010	6	3024.5785	.00272	.00272		
1011	1	1.1203	.10302	.15521		
1011	2	-434.2205	-2.41042	-2.40462	.0030	.0012
1011	3	1777.2096	.25217	.25217		
1011	4	-51863.9189	.00587	.00587		
1011	5	2672.1469	.00051	.00038	.0000	.0022
1011	6	4200.9237	.00378	.00378		
1012	1	2.1739	.12508	.17885		
1012	2	414.8989	2.49657	2.48277	.0105	.0042
1012	3	-2286.7381	-.32447	-.32447		
1012	4	52022.3986	-.00621	-.00618		
1012	5	2554.5690	.00058	.00044	.0000	.0072
1012	6	4134.0221	.00372	.00372		

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614 5/7

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-19.2720	-.50208	-.23924		
1010	2	-24.9274	-.10514	-.30948	.1224	.3128
1010	3	-173.0628	-.02456	-.02456		
1010	4	-1654.9136	.00041	.00170		
1010	5	-13509.1337	-.00248	-.00151	.0009	.3962
1010	6	3020.3709	.00272	.00272		
1011	1	1.1206	.10269	.15525		
1011	2	-434.1074	-2.40906	-2.40602	.0002	.0001
1011	3	1776.9111	.25213	.25213		
1011	4	-5142.4078	.00567	.00568		
1011	5	2073.0106	.00051	.00058	.0000	.0001
1011	6	4196.5492	.00378	.00378		
1012	1	2.1050	.12490	.17964		
1012	2	415.0438	2.44395	2.49310	.0025	.0010
1012	3	-2205.3604	-.32442	-.32442		
1012	4	52274.4129	-.00620	-.00622		
1012	5	2563.3298	.00058	.00045	.0000	.0018
1012	6	4129.7636	.00372	.00372		

SIRAN - NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 7
CYCLE NO. 1

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-11.4675	-.34598	-.07195		
1010	2	-302.2844	-1.06418	-1.69658		
1010	3	942.0193	.13306	.13306		
1010	4	-27406.8217	.00368	.00573		
1010	5	-4683.0955	-.00207	-.00022		
1010	6	-103.9367	-.00015	-.00015		
1011	1	9.7478	.38397	.04630		
1011	2	-304.6294	-1.63996	-1.44681		
1011	3	1051.2673	.14917	.14917		
1011	4	-37453.2032	.00366	.00343		
1011	5	8413.7550	.00101	.00011		
1011	6	1019.6906	.00092	.00092		
1012	1	.7577	.02605	.03861		
1012	2	448.7080	2.72358	2.84030		
1012	3	-2649.4713	-.37594	-.37594		
1012	4	55429.2618	-.00664	-.00734		
1012	5	450.6086	.00012	.00010		
1012	6	209.9196	.00019	.00019		

STRAN-NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 7
CYCLE NO. 2

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-10.2825	-.42081	-.05330		
1010	2	-284.4375	-1.40030	-1.48468	.0235	.0161
1010	3	951.5556	.13502	.13502		
1010	4	-32099.4692	.00367	.00394		
1010	5	-8544.9095	-.00228	-.00014	.0005	.1384
1010	6	-81.5492	-.00006	-.00006		
1011	1	10.6725	.37879	.05393		
1011	2	-293.7046	-1.46275	-1.48404	.0260	.0175
1011	3	1044.8472	.14826	.14826		
1011	4	-34044.4334	.00366	.00381		
1011	5	9016.2999	.00184	.00014	.0003	.0736
1011	6	1156.3542	.00102	.00102		
1012	1	-.1189	-.00010	.00021		
1012	2	460.4691	2.86911	2.86769	.0012	.0004
1012	3	-2654.9916	-.37729	-.37729		
1012	4	59444.9980	-.00706	-.00699		
1012	5	30.8560	.00000	.00000	.0001	.0095
1012	6	295.3496	.00027	.00027		

SIRAN - NONLINEAR SUPPORT ITERATIONS

DATE 08/27/76

LOAD CONDITION NO. 8
CYCLE NO. 1

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	15.8850	.57029	.09945		
1010	2	37.1916	.16766	.23285		
1010	3	-203.1363	-.04017	-.04017		
1010	4	4014.9385	-.00054	-.00111		
1010	5	11112.4997	.00306	.00047		
1010	6	-2169.1207	-.00195	-.00195		
1011	1	-2.3043	-.12813	-.25690		
1011	2	457.0496	2.22475	3.03419		
1011	3	-2246.4967	-.31882	-.31882		
1011	4	44019.3536	-.00572	-.00834		
1011	5	-3405.4543	-.00064	-.00071		
1011	6	-5516.1099	-.00299	-.00299		
1012	1	-2.5187	-.14424	-.16157		
1012	2	-396.0593	-2.47923	-1.98444		
1012	3	1859.0089	.26378	.26378		
1012	4	-51024.6795	.00613	.00453		
1012	5	-2708.1671	-.00066	-.00036		
1012	6	-5233.2106	-.00291	-.00291		

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	17.9688	.59461	.49465		
1010	2	-.8639	.02604	-.02378	.0998	.2522
1010	3	-267.4230	-.03795	-.03795		
1010	4	-1291.5238	-.00019	.00014		
1010	5	13226.5073	.00261	.00294	.0003	.1242
1010	6	-1971.5867	-.00178	-.00178		
1011	1	-1.4164	-.13722	-.21614		
1011	2	395.0941	2.23254	2.31640	.0897	.0401
1011	3	-2240.5202	-.31791	-.31791		
1011	4	49715.6534	-.00573	-.00579		
1011	5	-2674.1169	-.00072	-.00054	.0000	.0057
1011	6	-3102.5158	-.00279	-.00279		
1012	1	-3.0355	-.14273	-.23886		
1012	2	-437.1490	-2.28541	-2.55955	.2808	.1226
1012	3	1857.1100	.26351	.26351		
1012	4	-49077.1907	.00609	.00662		
1012	5	-3006.4095	-.00076	-.00062	.0005	.0834
1012	6	-3037.5441	-.00274	-.00274		

S T R A N - N O N L I N E A R S U P P O R T I T E R A T I O N S

LOAD CONDITION NO. 8
CYCLE NO. 3

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	17.4794	.47504	.41773		
1010	2	7.3109	.05302	.17472	.0252	.0556
1010	3	-269.8820	-.03829	-.03829		
1010	4	-258.0022	-.00026	-.00103		
1010	5	12565.9695	.00262	.00247	.0002	.0566
1010	6	-2063.6488	-.00166	-.00166		
1011	1	-1.8917	-.13948	-.20476		
1011	2	403.2096	2.35249	2.36156	.0134	.0057
1011	3	-2244.9840	-.31854	-.31854		
1011	4	51260.9517	-.00580	-.00584		
1011	5	-3079.3790	-.00065	-.00051	.0000	.0036
1011	6	-3207.0196	-.00289	-.00289		
1012	1	-3.2853	-.14479	-.20839		
1012	2	-428.0020	-2.44125	-2.39318	.0434	.0181
1012	3	1859.7717	.26369	.26369		
1012	4	-50101.8005	.00619	.00596		
1012	5	-3259.1052	-.00070	-.00032	.0002	.0258
1012	6	-3139.7341	-.00283	-.00283		

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	10.5676	.32815	.07110		
1010	2	268.5404	1.03155	1.94129		
1010	3	-1410.7135	-.20017	-.20017		
1010	4	26215.0067	-.00359	-.00600		
1010	5	9002.0765	.00196	.00022		
1010	6	761.6070	.00069	.00069		
1011	1	-10.2147	-.43473	-.04681		
1011	2	277.8041	1.56268	1.27302		
1011	3	-1449.5211	-.20553	-.20553		
1011	4	36823.8606	-.00371	-.00268		
1011	5	-8370.7768	-.00200	-.00011		
1011	6	-383.7084	-.00035	-.00035		
1012	1	-1.5312	-.04128	-.05816		
1012	2	-465.0232	-2.67021	-2.68748		
1012	3	2179.0096	.30918	.30918		
1012	4	-53994.0826	.00672	.00658		
1012	5	-746.8440	-.00019	-.00014		
1012	6	419.3464	.00038	.00038		

STRAN-NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 9
CYCLE NO. 2

DATE 08/27/76

U.S. NAVY - ACAR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	8.9414	.39852	.04849		
1010	2	276.2292	1.58304	1.48955	.0510	.0355
1010	3	-1422.3524	-.20182	-.20182		
1010	4	31450.7353	-.00305	-.00399		
1010	5	7637.7477	.00214	.00013	.0004	.1030
1010	6	643.6616	.00062	.00062		
1011	1	-10.3484	-.41111	-.05513		
1011	2	271.4022	1.28770	1.43929	.0886	.0656
1011	3	-1458.1467	-.20406	-.20406		
1011	4	31644.3321	-.00344	-.00383		
1011	5	-8250.0516	-.00220	-.00015	.0003	.0069
1011	6	-459.3786	-.00041	-.00041		
1012	1	-.4973	-.01309	-.01855		
1012	2	-474.4496	-2.73828	-2.75949	.0212	.0078
1012	3	2164.9740	.31093	.31003		
1012	4	-55219.1748	.00679	.00684		
1012	5	-235.4907	-.00006	-.00005	.0000	.0069
1012	6	377.0158	.00054	.00054		

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	10.1158	.40107	.05339		
1010	2	265.1717	1.41841	1.34946	.0697	.0498
1010	3	-1419.1393	-.20136	-.20136		
1010	4	30745.3164	-.00375	-.00375		
1010	5	8680.0436	.00193	.00014	.0005	.1267
1010	6	710.7061	.00064	.00064		
1011	1	-11.3123	-.42324	-.05669		
1011	2	259.8932	1.32745	1.30252	.0895	.0687
1011	3	-1436.8194	-.20384	-.20384		
1011	4	31412.8993	-.00341	-.00335		
1011	5	-9086.8090	-.00204	-.00015	.0006	.1850
1011	6	-448.7736	-.00040	-.00040		
1012	1	-.5585	-.01427	-.02027		
1012	2	-484.2714	-2.79765	-2.81593	.0181	.0065
1012	3	2185.6243	.31012	.31012		
1012	4	-58485.7628	.00688	.00691		
1012	5	-255.9601	-.00006	-.00005	.0000	.0045
1012	6	389.6958	.00035	.00035		

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	10.1516	.59734	.05433		
1010	2	208.6526	1.41283	1.43778	.0288	.0200
1010	3	-1419.5875	-.20143	-.20143		
1010	4	30912.4969	-.00377	-.00387		
1010	5	8715.7297	.00193	.00015	.0004	.0918
1010	6	705.8213	.00064	.00064		
1011	1	-11.4204	-.41610	-.05864		
1011	2	203.5023	1.32187	1.35296	.0516	.0233
1011	3	-1436.6553	-.20385	-.20385		
1011	4	31351.5240	-.00340	-.00354		
1011	5	-9193.0352	-.00202	-.00015	.0004	.1166
1011	6	-453.4543	-.00041	-.00041		
1012	1	-.5241	-.01391	-.01957		
1012	2	-480.7751	-2.79403	-2.78448	.0095	.0034
1012	3	2104.3445	.30994	.30994		
1012	4	-56521.1877	.00666	.00663		
1012	5	-248.6535	-.00006	-.00005	.0000	.0035
1012	6	585.2077	.00035	.00035		

STRAN-PILE ANALYSIS

LOAD CONDITION NO. 6
PILE JOINT NO. 1010

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.3912	6953.52	68.94	.0003	-2.45	137.88	-.0000	.00
2.03	.3601	7729.00	70.97	.0002	11.19	139.91	-.0000	.00
4.06	.2917	8504.02	72.99	.0002	18.49	141.93	-.0000	-.00
6.08	.2265	9278.53	75.02	.0001	21.15	143.96	-.0000	-.00
8.11	.2042	10052.47	77.05	.0001	20.68	145.99	-.0000	-.00
10.14	.1656	10741.45	79.08	.0000	18.33	148.02	-.0000	-.00
12.17	.1307	11253.55	81.10	.0000	15.06	150.04	-.0000	-.00
14.19	.0948	11442.56	83.13	-.0000	11.54	152.07	.0000	-.00
16.22	.0729	11308.83	85.16	-.0000	8.24	154.10	.0000	-.00
18.25	.0500	10797.57	87.19	-.0000	5.41	156.13	.0000	-.00
20.28	.0308	9932.91	89.22	-.0000	3.14	158.15	.0000	-.00
22.30	.0156	8802.29	91.24	-.0000	1.47	160.18	.0000	-.00
24.33	.0044	7523.55	93.27	-.0000	.52	162.21	.0000	-.00
26.36	-.0034	6199.17	95.30	-.0000	-.39	164.24	.0000	.00
28.39	-.0064	4912.17	97.33	-.0000	-.77	166.26	.0000	.00
30.41	-.0112	3723.25	99.35	-.0000	-.90	168.29	.0000	.00
32.44	-.0122	2672.35	101.38	-.0000	-.88	170.32	.0000	.00
34.47	-.0121	1760.93	103.41	-.0000	-.77	172.35	.0000	.00
36.50	-.0111	1047.79	105.44	-.0000	-.62	174.38	-.0000	.00
38.52	-.0096	469.49	107.46	.0000	-.46	176.40	-.0000	.00
40.55	-.0080	41.38	109.49	.0000	-.31	178.43	-.0000	.00
42.58	-.0063	-251.70	111.52	.0000	-.19	180.46	-.0000	.00
44.61	-.0047	-424.39	113.55	.0000	-.10	182.49	-.0000	.00
46.64	-.0034	-510.64	115.57	.0000	-.04	184.51	-.0000	.00
48.66	-.0022	-524.61	117.60	.0000	.00	186.54	-.0000	-.00
50.69	-.0015	-494.03	119.63	.0000	.03	188.57	-.0000	-.00
52.72	-.0005	-455.46	121.66	.0000	.04	190.60	-.0000	-.00
54.75	-.0002	-363.70	123.68	.0000	.04	192.62	-.0000	-.00
56.77	.0002	-287.87	125.71	.0000	.03	194.65	-.0000	-.00
58.80	.0003	-215.59	127.74	.0000	.03	196.68	.0000	-.00
60.83	.0004	-151.46	129.77	-.0000	.02	198.71	.0000	-.00
62.86	.0004	-97.87	131.80	-.0000	.01	200.73	.0000	-.00
64.88	.0004	-55.58	133.82	-.0000	.01	202.76	.0000	0.00
66.91	.0003	-24.17	135.85	-.0000	.00			

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
[illegible]	2.4110	-51541.79	68.94	.0012	-564.99	137.88	-.0000	.06
6.03	2.2500	-41270.31	70.97	.0014	-368.46	139.91	-.0000	.04
[illegible]	2.0914	-31024.54	72.99	.0013	-212.48	141.93	-.0000	.02
[illegible]	1.9142	-20798.09	75.02	.0011	-96.48	143.96	-.0000	.01
[illegible]	1.7293	-10584.59	77.05	.0009	-16.37	145.99	-.0000	.00
[illegible]	1.5402	-514.00	79.08	.0007	33.83	148.02	-.0000	-.00
12.17	1.3513	9714.30	81.10	.0005	60.72	150.04	-.0000	-.00
[illegible]	1.1655	17696.00	83.13	.0003	70.69	152.07	-.0000	-.00
18.22	.9860	25275.03	85.16	.0002	64.36	154.10	-.0000	-.00
18.25	.8153	31543.80	87.19	.0001	41.31	156.13	-.0000	-.00
20.28	.6556	36351.54	89.22	.0000	10.04	158.15	-.0000	-.00
22.30	.5103	39504.09	91.24	-.0000	-18.02	160.18	.0000	-.00
24.33	.3831	41205.70	93.27	-.0000	-26.82	162.21	.0000	-.00
26.36	.2745	41347.80	95.30	-.0001	-17.31	164.24	.0000	-.00
28.39	.1849	39968.87	97.33	-.0000	-9.82	166.26	.0000	-.00
30.41	.1159	36924.47	99.35	-.0000	-4.34	168.29	.0000	-.00
32.44	.0666	32714.21	101.38	-.0000	-.65	170.32	.0000	.00
34.47	.0367	27772.20	103.41	-.0000	1.57	172.35	.0000	.00
36.50	-.0185	22502.55	105.44	-.0000	2.69	174.38	.0000	.00
38.52	-.0255	17571.15	107.46	-.0000	3.02	176.40	.0000	.00
40.55	-.0345	12949.76	109.49	-.0000	2.86	178.43	.0000	.00
42.58	-.0376	8925.70	111.52	-.0000	2.44	180.46	.0000	.00
44.61	-.0367	5804.65	113.55	-.0000	1.91	182.49	-.0000	.00
46.64	-.0352	3021.03	115.57	.0000	1.38	184.51	-.0000	.00
48.66	-.0283	1114.95	117.60	.0000	.91	186.54	-.0000	.00
50.69	-.0229	-221.42	119.63	.0000	.54	188.57	-.0000	.00
52.72	-.0177	-1077.21	121.66	.0000	.26	190.60	-.0000	.00
54.75	-.0129	-1548.35	123.68	.0000	.07	192.62	-.0000	.00
56.77	-.0090	-1726.61	125.71	.0000	-.04	194.65	-.0000	-.00
58.80	-.0055	-1703.25	127.74	.0000	-.10	196.68	-.0000	-.00
60.83	-.0030	-1545.31	129.77	.0000	-.12	198.71	-.0000	-.00
62.86	-.0011	-1313.84	131.80	.0000	-.12	200.73	.0000	-.00
64.88	.0001	-1053.85	133.82	.0000	-.10	202.76	.0000	0.00
66.91	.0008	-797.32	135.85	.0000	-.08			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.4996	-51959.01	68.94	.0014	-575.36	137.88	-.0000	.06
2.03	2.3387	-49514.86	70.97	.0015	-369.26	139.91	-.0000	.04
4.06	2.1432	-47037.43	72.99	.0014	-205.51	141.93	-.0000	.02
6.08	1.9709	-20535.12	75.02	.0012	-85.82	143.96	-.0000	.01
8.11	1.7854	-10016.38	77.05	.0010	-4.36	145.99	-.0000	.00
10.14	1.5964	370.12	79.08	.0007	45.55	148.02	-.0000	-.00
12.17	1.3995	10214.02	81.10	.0005	71.14	150.04	-.0000	-.01
14.19	1.1962	19178.82	83.13	.0003	79.28	152.07	-.0000	-.01
16.22	1.0096	26997.36	85.16	.0002	75.96	154.10	-.0000	-.01
18.25	.8324	33450.80	87.19	.0001	66.02	156.13	-.0000	-.00
20.28	.6670	38360.51	89.22	.0000	53.10	158.15	-.0000	-.00
22.30	.5168	41861.01	91.24	-.0000	39.76	160.18	.0000	-.00
24.33	.3856	43505.72	93.27	-.0001	27.57	162.21	.0000	-.00
26.36	.2740	43267.22	95.30	-.0001	17.38	164.24	.0000	-.00
28.39	.1821	41591.29	97.33	-.0001	9.47	166.26	.0000	-.00
30.41	.1091	38564.45	99.35	-.0000	3.77	168.29	.0000	-.00
32.44	.0535	35867.94	101.38	-.0000	.01	170.32	.0000	.00
34.47	.0135	28655.66	103.41	-.0000	-2.19	172.35	.0000	.00
36.50	-.0136	23216.63	105.44	-.0000	-3.22	174.38	.0000	.00
38.52	-.0302	17944.46	107.46	-.0000	-3.45	176.40	.0000	.00
40.55	-.0365	13121.35	109.49	-.0000	-3.18	178.43	.0000	.00
42.58	-.0409	8939.64	111.52	-.0000	-2.65	180.46	.0000	.00
44.61	-.0393	5505.66	113.55	.0000	-2.03	182.49	-.0000	.00
46.64	-.0351	2851.00	115.57	.0000	-1.44	184.51	-.0000	.00
48.66	-.0297	908.10	117.60	.0000	-.93	186.54	-.0000	.00
50.69	-.0238	-439.47	119.63	.0000	-.53	188.57	-.0000	.00
52.72	-.0181	-1287.38	121.66	.0000	-.24	190.60	-.0000	.00
54.75	-.0131	-1737.75	123.68	.0000	-.04	192.62	-.0000	.00
56.77	-.0089	-1869.69	125.71	.0000	.07	194.65	-.0000	-.00
58.80	-.0053	-1832.90	127.74	.0000	.13	196.68	-.0000	-.00
60.83	-.0027	-1643.76	129.77	.0000	.14	198.71	-.0000	-.00
62.85	-.0009	-1383.69	131.80	.0000	.14	200.73	.0000	-.00
64.88	.0003	-1099.13	133.82	.0000	.11	202.76	.0000	0.00
66.91	.0011	-822.74	135.85	-.0000	.09			

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	1.4556	-31772.26	66.94	.0009	-284.73	137.88	-.0000	.03
2.03	1.3841	-29894.95	70.97	.0009	-171.02	139.91	-.0000	.02
4.06	1.2739	-28025.94	72.99	.0008	-84.79	141.93	-.0000	.01
6.08	1.1573	-11162.95	75.02	.0007	-23.82	143.96	-.0000	.00
8.11	1.0308	-4303.68	77.05	.0005	15.65	145.99	-.0000	.00
10.14	.9149	2451.76	79.08	.0004	38.02	148.02	-.0000	-.00
12.17	.7957	8764.74	81.10	.0003	47.69	150.04	-.0000	-.00
14.19	.6756	14459.15	83.13	.0002	48.63	152.07	-.0000	-.00
16.22	.5626	19321.56	85.16	.0001	44.17	154.10	-.0000	-.00
18.25	.4564	23192.67	87.19	.0000	36.86	156.13	-.0000	-.00
20.28	.3583	25950.89	89.22	-.0000	28.64	158.15	.0000	-.00
22.30	.2704	27535.48	91.24	-.0000	20.70	160.18	.0000	-.00
24.33	.1951	27932.84	93.27	-.0000	13.78	162.21	.0000	-.00
26.36	.1325	27191.82	95.30	-.0000	8.20	164.24	.0000	-.00
28.39	.0823	25543.75	97.33	-.0000	4.02	166.26	.0000	-.00
30.41	.0436	22594.21	99.35	-.0000	1.12	168.29	.0000	-.00
32.44	.0151	19314.53	101.38	-.0000	-.70	170.32	.0000	.00
34.47	-.0045	15845.19	103.41	-.0000	-1.68	172.35	.0000	.00
36.50	-.0170	12442.01	105.44	-.0000	-2.06	174.38	.0000	.00
38.52	-.0258	9262.02	107.46	-.0000	-2.04	176.40	.0000	.00
40.55	-.0303	6494.55	109.49	-.0000	-1.80	178.43	.0000	.00
42.58	-.0308	4157.59	111.52	-.0000	-1.44	180.46	-.0000	.00
44.61	-.0287	2302.44	113.55	.0000	-1.07	182.49	-.0000	.00
46.64	-.0254	921.71	115.57	.0000	-.73	184.51	-.0000	.00
48.66	-.0186	-43.97	117.60	.0000	-.45	186.54	-.0000	.00
50.69	-.0129	-675.18	119.63	.0000	-.24	188.57	-.0000	.00
52.72	-.0095	-1035.47	121.66	.0000	-.09	190.60	-.0000	.00
54.75	-.0066	-1168.10	123.68	.0000	.01	192.62	-.0000	-.00
56.77	-.0042	-1191.47	125.71	.0000	.06	194.65	-.0000	-.00
58.80	-.0023	-1096.32	127.74	.0000	.08	196.68	-.0000	-.00
60.83	-.0010	-944.26	129.77	.0000	.08	198.71	-.0000	-.00
62.86	-.0001	-767.56	131.80	.0000	.08	200.73	.0000	-.00
64.88	.0005	-589.49	133.82	.0000	.06	202.76	.0000	0.00
66.91	.0008	-425.54	135.85	-.0000	.05			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	1.4850	-33494.57	66.94	.0009	-292.54	137.88	-.0000	.03
2.03	1.3863	-29548.71	70.97	.0009	-177.26	139.91	-.0000	.02
4.06	1.2782	-19606.62	72.99	.0008	-89.47	141.93	-.0000	.01
6.08	1.1633	-12577.71	75.02	.0007	-27.09	143.96	-.0000	.00
8.11	1.0439	-5551.40	77.05	.0005	13.55	145.99	-.0000	.00
10.14	.9225	1350.23	79.08	.0004	36.85	148.02	-.0000	-.00
12.17	.8019	7447.47	81.10	.0003	47.19	150.04	-.0000	-.00
14.19	.6837	13702.95	83.13	.0002	48.59	152.07	-.0000	-.00
16.22	.5704	18721.43	85.16	.0001	44.41	154.10	-.0000	-.00
18.25	.4637	22742.42	87.19	.0000	37.26	156.13	-.0000	-.00
20.28	.3650	25843.44	89.22	-.0000	29.07	158.15	.0000	-.00
22.30	.2764	27360.62	91.24	-.0000	21.11	160.18	.0000	-.00
24.33	.2002	27477.29	93.27	-.0000	14.13	162.21	.0000	-.00
26.36	.1384	27242.35	95.30	-.0000	8.48	164.24	.0000	-.00
28.39	.0857	25982.53	97.33	-.0000	4.23	166.26	.0000	-.00
30.41	.0462	22795.65	99.35	-.0000	1.27	168.29	.0000	-.00
32.44	.0171	19547.30	101.38	-.0000	-.61	170.32	.0000	.00
34.47	-.0032	16085.09	103.41	-.0000	-1.65	172.35	.0000	.00
36.50	-.0101	12672.20	105.44	-.0000	-2.04	174.38	.0000	.00
38.52	-.0253	9491.17	107.46	-.0000	-2.05	176.40	.0000	.00
40.55	-.0261	6675.46	109.49	-.0000	-1.81	178.43	.0000	.00
42.58	-.0259	4306.97	111.52	-.0000	-1.46	180.46	-.0000	.00
44.61	-.0258	2420.12	113.55	.0000	-1.09	182.49	-.0000	.00
46.64	-.0206	1009.90	115.57	.0000	-.75	184.51	-.0000	.00
48.66	-.0169	18.35	117.60	.0000	-.46	186.54	-.0000	.00
50.69	-.0151	-634.54	119.63	.0000	-.25	188.57	-.0000	.00
52.72	-.0097	-1012.12	121.66	.0000	-.10	190.60	-.0000	.00
54.75	-.0068	-1177.81	123.68	.0000	.00	192.62	-.0000	-.00
56.77	-.0043	-1190.45	125.71	.0000	.06	194.65	-.0000	-.00
58.80	-.0025	-1101.34	127.74	.0000	.08	196.68	-.0000	-.00
60.83	-.0011	-952.75	129.77	.0000	.08	198.71	-.0000	-.00
62.86	-.0001	-777.51	131.80	.0000	.08	200.73	.0000	-.00
64.88	.0005	-599.50	133.82	.0000	.06	202.76	.0000	0.00
66.91	.0008	-434.71	135.85	-.0000	.05			

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.6579	-59645.00	68.94	.0015	-695.87	137.88	-.0000	.08
2.03	2.6473	-47960.92	70.97	.0017	-453.90	139.91	-.0000	.05
4.06	2.4899	-36252.14	72.99	.0016	-261.43	141.93	-.0000	.05
6.08	2.2794	-24469.59	75.02	.0014	-118.07	143.96	-.0000	.01
8.11	2.0611	-12654.23	77.05	.0011	-18.96	145.99	-.0000	.00
10.14	1.8579	-1027.56	79.08	.0009	43.12	148.02	-.0000	-.00
12.17	1.6144	10068.18	81.10	.0006	76.34	150.04	-.0000	-.01
14.19	1.3945	20250.06	83.13	.0004	88.54	152.07	-.0000	-.01
16.22	1.1816	29150.89	85.16	.0002	86.70	154.10	-.0000	-.01
18.25	.9790	36553.24	87.19	.0001	76.52	156.13	-.0000	-.01
20.28	.7892	42269.69	89.22	.0000	62.36	158.15	-.0000	-.00
22.30	.6161	46249.30	91.24	-.0000	47.27	160.18	.0000	-.00
24.33	.4640	48572.18	93.27	-.0001	33.24	162.21	.0000	-.00
26.36	.3359	48969.32	95.30	-.0001	21.34	164.24	.0000	-.00
28.39	.2280	47157.07	97.33	-.0001	11.99	166.26	.0000	-.00
30.41	.1595	43944.96	99.35	-.0001	5.17	168.29	.0000	-.00
32.44	.0750	39216.68	101.38	-.0000	.59	170.32	.0000	.00
34.47	.0245	33490.36	103.41	-.0000	-2.16	172.35	.0000	.00
36.50	-.0091	27404.41	105.44	-.0000	-3.50	174.38	.0000	.00
38.52	-.0301	21413.19	107.46	-.0000	-3.88	176.40	.0000	.00
40.55	-.0414	15863.04	109.49	-.0000	-3.65	178.43	.0000	.00
42.58	-.0454	10998.84	111.52	-.0000	-3.09	180.46	.0000	.00
44.61	-.0445	6956.89	113.55	.0000	-2.40	182.49	-.0000	.00
46.64	-.0403	3796.62	115.57	.0000	-1.72	184.51	-.0000	.00
48.66	-.0345	1452.19	117.60	.0000	-1.15	186.54	-.0000	.00
50.69	-.0280	-201.22	119.63	.0000	-.66	188.57	-.0000	.00
52.72	-.0219	-1267.91	121.66	.0000	-.31	190.60	-.0000	.00
54.75	-.0157	-1862.51	123.68	.0000	-.08	192.62	-.0000	.00
56.77	-.0107	-2097.52	125.71	.0000	.06	194.65	-.0000	-.00
58.80	-.0067	-2077.31	127.74	.0000	.14	196.68	-.0000	-.00
60.83	-.0035	-1891.16	129.77	.0000	.16	198.71	-.0000	-.00
62.86	-.0013	-1611.48	131.80	.0000	.16	200.73	.0000	-.00
64.89	.0002	-1295.26	133.82	.0000	.13	202.76	.0000	.00
66.91	.0011	-981.26	135.85	.0000	.10			

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.4528	11692.36	68.94	.0003	3.43	137.88	-.0000	.00
2.03	.3997	12170.39	70.97	.0002	17.37	139.91	-.0000	-.00
4.06	.3506	12647.28	72.99	.0002	24.26	141.93	-.0000	-.00
6.08	.2764	13122.97	75.02	.0001	26.11	143.96	-.0000	-.00
8.11	.2265	13597.42	77.05	.0001	24.66	145.99	-.0000	-.00
10.14	.1815	13964.12	79.08	.0000	21.32	148.02	-.0000	-.00
12.17	.1413	14186.39	81.10	.0000	17.14	150.04	-.0000	-.00
14.19	.1061	14055.73	83.13	-.0000	12.87	152.07	.0000	-.00
16.22	.0758	13569.43	85.16	-.0000	8.98	154.10	.0000	-.00
18.25	.0503	12738.41	87.19	-.0000	5.71	156.13	.0000	-.00
20.28	.0295	11531.09	89.22	-.0000	3.16	158.15	.0000	-.00
22.30	.0128	10070.37	91.24	-.0000	1.31	160.18	.0000	-.00
24.33	.0009	8486.96	93.27	-.0000	.07	162.21	.0000	.00
26.36	-.0071	6892.89	95.30	-.0000	-.66	164.24	.0000	.00
28.39	-.0120	5376.26	97.33	-.0000	-1.02	166.26	.0000	.00
30.41	-.0145	3999.50	99.35	-.0000	-1.12	168.29	.0000	.00
32.44	-.0151	2801.47	101.38	-.0000	-1.05	170.32	.0000	.00
34.47	-.0145	1800.60	103.41	-.0000	-.89	172.35	.0000	.00
36.50	-.0130	989.75	105.44	.0000	-.70	174.38	-.0000	.00
38.52	-.0111	361.24	107.46	.0000	-.51	176.40	-.0000	.00
40.55	-.0091	-94.90	109.49	.0000	-.34	178.43	-.0000	.00
42.58	-.0070	-397.17	111.52	.0000	-.20	180.46	-.0000	.00
44.61	-.0052	-569.47	113.55	.0000	-.10	182.49	-.0000	.00
46.64	-.0036	-638.12	115.57	.0000	-.03	184.51	-.0000	.00
48.66	-.0023	-655.44	117.60	.0000	.02	186.54	-.0000	-.00
50.69	-.0013	-582.36	119.63	.0000	.04	188.57	-.0000	-.00
52.72	-.0005	-503.74	121.66	.0000	.05	190.60	-.0000	-.00
54.75	-.0000	-415.26	123.68	.0000	.05	192.62	-.0000	-.00
56.77	.0003	-321.47	125.71	.0000	.04	194.65	-.0000	-.00
58.80	.0005	-236.19	127.74	.0000	.03	196.68	.0000	-.00
60.83	.0005	-162.02	129.77	-.0000	.02	198.71	.0000	-.00
62.86	.0005	-101.16	131.80	-.0000	.02	200.73	.0000	-.00
64.88	.0005	-54.01	133.82	-.0000	.01	202.76	.0000	-.00
66.91	.0004	-19.69	135.85	-.0000	.00			

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.3704	-50804.11	68.94	.0014	-542.43	137.88	-.0000	.00
2.03	2.2189	-48866.05	70.97	.0014	-345.90	139.91	-.0000	.04
4.05	2.0552	-30535.98	72.99	.0013	-191.80	141.93	-.0000	.02
6.08	1.8767	-20561.87	75.02	.0012	-78.75	143.96	-.0000	.01
8.11	1.6931	-10171.74	77.05	.0009	-2.03	145.99	-.0000	.00
10.14	1.5060	-113.92	79.08	.0007	44.76	148.02	-.0000	-.00
12.17	1.3198	9417.15	81.10	.0005	64.54	150.04	-.0000	-.00
14.19	1.1349	18097.19	83.13	.0003	75.86	152.07	-.0000	-.01
16.22	.9573	25665.45	85.16	.0002	72.40	154.10	-.0000	-.01
18.25	.7869	31910.87	87.19	.0001	62.75	156.13	-.0000	-.00
20.28	.6314	36673.65	89.22	.0000	50.35	158.15	.0000	-.00
22.30	.4885	39253.60	91.24	-.0000	37.61	160.18	.0000	-.00
24.33	.3658	41401.17	93.27	-.0000	26.01	162.21	.0000	-.00
26.35	.2579	41335.42	95.30	-.0001	16.33	164.24	.0000	-.00
28.39	.1708	39586.11	97.33	-.0001	8.84	166.26	.0000	-.00
30.41	.1017	36555.40	99.35	-.0000	3.46	168.29	.0000	-.00
32.44	.0493	32219.40	101.38	-.0000	-.08	170.32	.0000	.00
34.47	.0115	27188.27	103.41	-.0000	-2.14	172.35	.0000	.00
36.50	-.0140	21987.50	105.44	-.0000	-3.09	174.38	.0000	.00
38.52	-.0294	16959.87	107.46	-.0000	-3.29	176.40	.0000	.00
40.55	-.0371	12570.73	109.49	-.0000	-3.02	178.43	.0000	.00
42.58	-.0392	8549.69	111.52	-.0000	-2.51	180.46	.0000	.00
44.61	-.0375	5145.42	113.55	.0000	-1.92	182.49	-.0000	.00
46.64	-.0334	2635.40	115.57	.0000	-1.36	184.51	-.0000	.00
48.65	-.0282	802.92	117.60	.0000	-.87	186.54	-.0000	.00
50.69	-.0226	-463.97	119.63	.0000	-.49	188.57	-.0000	.00
52.72	-.0172	-1257.17	121.66	.0000	-.22	190.60	-.0000	.00
54.75	-.0123	-1674.30	123.68	.0000	-.04	192.62	-.0000	.00
56.77	-.0082	-1809.82	125.71	.0000	.07	194.65	-.0000	-.00
58.80	-.0050	-1749.00	127.74	.0000	.12	196.68	-.0000	-.00
60.83	-.0025	-1564.28	129.77	.0000	.14	198.71	-.0000	-.00
62.85	-.0008	-1315.79	131.80	.0000	.13	200.73	.0000	-.00
64.88	.0004	-1041.36	133.82	.0000	.11	202.76	.0000	.00
66.91	.0010	-777.74	135.85	-.0000	.08			

STRAN-PILE ANALYSIS

LOAD CONDITION NO. 8
PILE JOINT NO. 1012

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.4022	-49569.99	68.94	.0012	-554.76	137.88	-.0000	.06
2.03	2.2479	-39595.45	70.97	.0013	-360.59	139.91	-.0000	.04
4.05	2.0797	-29526.72	72.99	.0013	-206.79	141.93	-.0000	.02
6.08	1.9011	-19477.24	75.02	.0011	-92.68	143.96	-.0000	.01
8.11	1.7157	-9440.46	77.05	.0009	-14.11	145.99	-.0000	.00
10.14	1.5270	449.86	79.08	.0007	34.93	148.02	-.0000	-.00
12.17	1.3385	9409.25	81.10	.0005	61.01	150.04	-.0000	-.00
14.19	1.1534	18323.77	83.13	.0003	70.46	152.07	-.0000	-.00
16.22	.9747	25743.37	85.16	.0002	68.84	154.10	-.0000	-.00
18.25	.8050	31862.20	87.19	.0001	60.68	156.13	-.0000	-.00
20.28	.6465	36530.25	89.22	.0000	49.41	158.15	-.0000	-.00
22.30	.5023	39850.16	91.24	-.0000	37.45	160.18	.0000	-.00
24.33	.3765	41203.83	93.27	-.0000	26.35	162.21	.0000	-.00
26.36	.2692	41187.78	95.30	-.0001	16.95	164.24	.0000	-.00
28.39	.1807	39829.20	97.33	-.0000	9.57	166.26	.0000	-.00
30.41	.1102	36821.40	99.35	-.0000	4.18	168.29	.0000	-.00
32.44	.0563	32384.30	101.38	-.0000	.56	170.32	.0000	.00
34.47	.0172	27458.28	103.41	-.0000	-1.61	172.35	.0000	.00
36.50	-.0095	22269.68	105.44	-.0000	-2.69	174.38	.0000	.00
38.52	-.0260	17292.82	107.46	-.0000	-3.01	176.40	.0000	.00
40.55	-.0347	12713.90	109.49	-.0000	-2.84	178.43	.0000	.00
42.58	-.0378	8735.11	111.52	-.0000	-2.41	180.46	.0000	.00
44.61	-.0365	5458.39	113.55	.0000	-1.88	182.49	-.0000	.00
46.64	-.0329	2914.33	115.57	.0000	-1.35	184.51	-.0000	.00
48.66	-.0280	1042.35	117.60	.0000	-.89	186.54	-.0000	.00
50.69	-.0226	-266.07	119.63	.0000	-.52	188.57	-.0000	.00
52.72	-.0174	-1100.11	121.66	.0000	-.25	190.60	-.0000	.00
54.75	-.0126	-1555.52	123.68	.0000	-.07	192.62	-.0000	.00
56.77	-.0086	-1724.71	125.71	.0000	.04	194.65	-.0000	-.00
58.80	-.0053	-1692.70	127.74	.0000	.10	196.68	-.0000	-.00
60.83	-.0029	-1551.39	129.77	.0000	.12	198.71	-.0000	-.00
62.86	-.0011	-1298.97	131.80	.0000	.12	200.73	.0000	-.00
64.88	.0001	-1039.69	133.82	.0000	.10	202.76	.0000	0.00
66.91	.0009	-764.88	135.85	.0000	.08			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	1.4388	-30561.35	68.94	.0010	-206.25	137.88	-.0000	.03
2.03	1.3391	-28878.48	70.97	.0009	-156.00	139.91	-.0000	.02
4.06	1.2311	-17163.72	72.99	.0008	-73.24	141.93	-.0000	.01
6.08	1.1170	-10480.42	75.02	.0007	-15.45	143.96	-.0000	.00
8.11	.9993	-3771.90	77.05	.0005	21.29	145.99	-.0000	-.00
10.14	.8802	2817.35	79.08	.0004	41.48	148.02	-.0000	-.00
12.17	.7621	9009.14	81.10	.0002	49.48	150.04	-.0000	-.00
14.19	.6472	14567.11	83.13	.0001	49.24	152.07	-.0000	-.00
16.22	.5374	19299.29	85.16	.0001	44.00	154.10	-.0000	-.00
18.25	.4343	23045.58	87.19	.0000	36.26	156.13	-.0000	-.00
20.28	.3393	25662.36	89.22	-.0000	27.81	158.15	.0000	-.00
22.30	.2545	27152.55	91.24	-.0000	19.82	160.18	.0000	-.00
24.33	.1821	27445.07	93.27	-.0000	12.96	162.21	.0000	-.00
26.36	.1221	26806.25	95.30	-.0000	7.50	164.24	.0000	-.00
28.39	.0742	24678.27	97.33	-.0000	3.47	166.26	.0000	-.00
30.41	.0375	21866.02	99.35	-.0000	.71	168.29	.0000	-.00
32.44	.0108	18614.85	101.38	-.0000	-.98	170.32	.0000	-.00
34.47	-.0074	15190.33	103.41	-.0000	-1.86	172.35	.0000	-.00
36.50	-.0188	11853.80	105.44	-.0000	-2.16	174.38	.0000	-.00
38.52	-.0247	8772.85	107.46	-.0000	-2.08	176.40	.0000	-.00
40.55	-.0267	6069.76	109.49	-.0000	-1.80	178.43	.0000	-.00
42.58	-.0259	3816.50	111.52	-.0000	-1.42	180.46	-.0000	-.00
44.61	-.0234	2039.59	113.55	.0000	-1.04	182.49	-.0000	-.00
46.64	-.0199	728.18	115.57	.0000	-.70	184.51	-.0000	-.00
48.66	-.0161	-178.76	117.60	.0000	-.42	186.54	-.0000	-.00
50.69	-.0124	-761.82	119.63	.0000	-.21	188.57	-.0000	-.00
52.72	-.0090	-1064.32	121.66	.0000	-.07	190.60	-.0000	-.00
54.75	-.0062	-1208.68	123.68	.0000	.02	192.62	-.0000	-.00
56.77	-.0038	-1192.12	125.71	.0000	.07	194.65	-.0000	-.00
58.80	-.0021	-1083.99	127.74	.0000	.09	196.68	-.0000	-.00
60.83	-.0008	-924.52	129.77	.0000	.09	198.71	-.0000	-.00
62.86	.0001	-744.58	131.80	.0000	.08	200.73	.0000	-.00
64.88	.0006	-564.30	133.82	.0000	.06	202.76	.0000	-.00
66.91	.0009	-404.13	135.85	-.0000	.05			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	1.3542	-30924.06	68.94	.0009	-252.15	137.88	-.0000	.03
2.03	1.2926	-28374.97	70.97	.0009	-147.50	139.91	-.0000	.02
4.06	1.1924	-17813.81	72.99	.0008	-69.00	141.93	-.0000	.01
6.08	1.0559	-11243.27	75.02	.0006	-14.23	143.96	-.0000	.00
8.11	.9455	-4867.27	77.05	.0005	20.55	145.99	-.0000	-.00
10.14	.8335	1791.65	79.08	.0003	39.62	148.02	-.0000	-.00
12.17	.7221	7863.47	81.10	.0002	47.14	150.04	-.0000	-.00
14.19	.6134	13517.35	83.13	.0001	46.85	152.07	-.0000	-.00
16.22	.5095	17967.66	85.16	.0001	41.82	154.10	-.0000	-.00
18.25	.4114	21655.93	87.19	.0000	34.44	156.13	-.0000	-.00
20.28	.3217	24263.94	89.22	-.0000	25.39	158.15	.0000	-.00
22.30	.2412	25754.71	91.24	-.0000	18.80	160.18	.0000	-.00
24.33	.1724	26061.55	93.27	-.0000	12.28	162.21	.0000	-.00
26.36	.1155	25284.79	95.30	-.0000	7.09	164.24	.0000	-.00
28.39	.0701	23455.37	97.33	-.0000	3.27	166.26	.0000	-.00
30.41	.0353	20749.42	99.35	-.0000	.65	168.29	.0000	.00
32.44	.0100	17474.31	101.38	-.0000	-.45	170.32	.0000	.00
34.47	-.0073	14015.77	103.41	-.0000	-1.78	172.35	.0000	.00
36.50	-.0180	11243.26	105.44	-.0000	-2.06	174.38	.0000	.00
38.52	-.0236	8515.54	107.46	-.0000	-1.98	176.40	.0000	.00
40.55	-.0254	5748.24	109.49	-.0000	-1.71	178.43	.0000	.00
42.58	-.0246	3409.31	111.52	-.0000	-1.35	180.46	-.0000	.00
44.61	-.0222	1923.52	113.55	.0000	-.99	182.49	-.0000	.00
46.64	-.0189	660.23	115.57	.0000	-.66	184.51	-.0000	.00
48.66	-.0153	-174.43	117.60	.0000	-.40	186.54	-.0000	.00
50.69	-.0118	-730.59	119.63	.0000	-.20	188.57	-.0000	.00
52.72	-.0086	-1034.72	121.66	.0000	-.06	190.60	-.0000	.00
54.75	-.0058	-1151.17	123.68	.0000	.02	192.62	-.0000	-.00
56.77	-.0036	-1134.10	125.71	.0000	.07	194.65	-.0000	-.00
58.80	-.0020	-1030.39	127.74	.0000	.08	196.68	-.0000	-.00
60.83	-.0007	-878.21	129.77	.0000	.08	198.71	-.0000	-.00
62.86	.0001	-705.84	131.80	.0000	.07	200.73	-.0000	-.00
64.88	.0006	-537.25	133.82	.0000	.06	202.76	.0000	0.00
66.91	.0008	-383.11	135.85	-.0000	.04			

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.7845	-56518.05	68.94	.0013	-675.59	137.88	-.0000	.07
2.03	2.6084	-45205.11	70.97	.0015	-448.26	139.91	-.0000	.05
4.06	2.4184	-33926.79	72.99	.0015	-265.72	141.93	-.0000	.03
6.08	2.2125	-22674.44	75.02	.0013	-128.34	143.96	-.0000	.02
8.11	2.0005	-11439.46	77.05	.0011	-32.10	145.99	-.0000	.01
10.14	1.7848	-353.55	79.08	.0008	29.44	148.02	-.0000	-.00
12.17	1.5664	10189.81	81.10	.0006	63.61	150.04	-.0000	-.00
14.19	1.3564	19801.02	83.13	.0004	77.67	152.07	-.0000	-.01
16.22	1.1509	28206.63	85.16	.0002	78.06	154.10	-.0000	-.01
18.25	.9553	35185.37	87.19	.0001	70.13	156.13	-.0000	-.01
20.28	.7720	40580.50	89.22	.0000	58.01	158.15	-.0000	-.00
22.30	.6049	44295.59	91.24	-.0000	44.63	160.18	.0000	-.00
24.33	.4574	46295.38	93.27	-.0000	31.92	162.21	.0000	-.00
26.36	.3318	46581.05	95.30	-.0001	20.97	164.24	.0000	-.00
28.39	.2270	45167.70	97.33	-.0001	12.23	166.26	.0000	-.00
30.41	.1427	42152.85	99.35	-.0000	5.75	168.29	.0000	-.00
32.44	.0779	37699.88	101.38	-.0000	1.32	170.32	.0000	-.00
34.47	.0297	32280.46	103.41	-.0000	-1.41	172.35	.0000	.00
36.50	-.0036	26503.34	105.44	-.0000	-2.83	174.38	.0000	.00
38.52	-.0249	20803.44	107.46	-.0000	-3.33	176.40	.0000	.00
40.55	-.0366	15509.46	109.49	-.0000	-3.23	178.43	.0000	.00
42.58	-.0414	10859.64	111.52	-.0000	-2.80	180.46	.0000	.00
44.61	-.0412	6975.18	113.55	-.0000	-2.22	182.49	-.0000	.00
46.64	-.0378	3925.16	115.57	.0000	-1.62	184.51	-.0000	.00
48.65	-.0325	1647.80	117.60	.0000	-1.09	186.54	-.0000	.00
50.69	-.0267	27.55	119.63	.0000	-.66	188.57	-.0000	.00
52.72	-.0208	-1032.67	121.66	.0000	-.34	190.60	-.0000	.00
54.75	-.0153	-1640.00	123.68	.0000	-.11	192.62	-.0000	.00
56.77	-.0106	-1900.84	125.71	.0000	.03	194.65	-.0000	-.00
58.80	-.0064	-1913.17	127.74	.0000	.10	196.68	-.0000	-.00
60.83	-.0036	-1761.84	129.77	.0000	.13	198.71	-.0000	-.00
62.85	-.0015	-1516.21	131.80	.0000	.13	200.73	.0000	-.00
64.88	-.0001	-1229.75	133.82	.0000	.12	202.76	.0000	0.00
66.91	.0006	-941.04	135.85	.0000	.10			

STRAN - JOINT DEFLECTIONS AND ROTATIONS

DATE 08/27/76

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	3.24241	7.81371	-.12137	.00095	-.00057	.00209	
102	3.24354	6.64007	-.20521	.00080	-.00032	.00599	
103	3.24446	5.66521	-.24155	.00105	-.00021	.00682	
104	2.40069	7.12658	-.07709	.00116	-.00004	.00607	
105	2.39464	6.15149	-.15380	.00090	-.00016	.00519	
106	1.55[illegible]	5.63733	.00922	.00092	-.00088	.00639	
201	3.32545	7.79679	-.11994	.00102	-.00039	.00195	
202	3.31457	6.62174	-.27790	.00055	-.00033	.00592	
203	3.30495	5.66467	-.24005	.00108	-.00037	.00687	
204	2.49543	7.29392	-.11711	.00100	-.00068	.00589	
205	2.49431	6.36573	-.20800	.00072	-.00029	.00481	
206	1.73[illegible]	6.71[illegible]	.04040	.00134	-.00071	.00543	
301	3.35571	7.81715	-.11577	-.00100	-.00018	.00176	
302	3.33[illegible]	5.80[illegible]	-.25947	-.00224	-.00026	.00718	
303	1.[illegible]	6.[illegible]	.04940	-.00211	-.00048	.00635	
401	3.27[illegible]	6.20461	-.04768	-.00359	.00103	.00339	
402	3.25[illegible]	4.25454	-.25564	-.00214	.00068	.00521	
403	1.73[illegible]	5.19734	.12252	-.00207	.00062	.00548	
501	3.25[illegible]	6.12478	-.08437	-.00249	.00056	.00359	
502	3.25[illegible]	5.16[illegible]	-.15427	-.00050	-.00071	.00579	
503	3.26765	4.11739	-.19465	-.00145	.00074	.00514	
504	2.44524	5.59700	-.07217	.00104	.00094	.00524	
505	2.43[illegible]	4.65[illegible]	-.08503	.00108	-.00084	.00515	
506	1.70243	5.10113	.07764	-.00101	.00052	.00546	
507	3.24[illegible]	6.21[illegible]	-.07135	-.00249	.00055	.00557	
508	3.23[illegible]	4.[illegible]	-.18[illegible]	-.00145	.00074	.00514	
509	1.57[illegible]	5.10765	.04117	-.00101	.00052	.00545	
510	3.26[illegible]	6.[illegible]	-.00929	-.00342	.00142	.00328	
511	3.27[illegible]	4.10262	-.23754	-.00192	.00042	.00522	
512	1.[illegible]	5.[illegible]	.12163	-.00104	.00063	.00547	
513	3.32[illegible]	6.25229	-.06279	-.00167	-.00064	.00419	
514	3.33[illegible]	3.[illegible]	-.11[illegible]	-.00116	.00158	.00487	
601	3.24[illegible]	6.[illegible]	-.07777	-.00133	.00017	.00376	
602	3.23[illegible]	4.24378	-.18123	-.00006	.00065	.00505	
603	1.[illegible]	5.06721	.03224	-.00118	.00042	.00541	
611	3.[illegible]	6.[illegible]	-.03[illegible]	-.00035	-.00013	.00421	
612	3.[illegible]	6.26229	-.25410	.00545	.00003	.00524	
613	3.26414	3.99501	-.12769	-.00024	.00032	.00650	
801	3.26242	5.99997	-.06474	-.00070	.00005	.00377	
802	3.27247	5.19171	-.14977	-.00107	-.00012	.00456	
803	3.25447	5.91[illegible]	-.12702	-.00030	.00061	.00504	
804	2.[illegible]	5.73[illegible]	-.[illegible]	-.[illegible]	.00055	.00529	
805	2.[illegible]	4.[illegible]	-.04757	-.[illegible]	-.00037	.00507	
806	1.[illegible]	4.[illegible]	-.[illegible]	-.[illegible]	.00057	.00537	
807	3.[illegible]	5.[illegible]	-.[illegible]	-.[illegible]	.00011	.00370	
808	3.23[illegible]	5.[illegible]	-.04529	-.[illegible]	.00060	.00507	
809	1.[illegible]	4.[illegible]	-.[illegible]	-.[illegible]	.00035	.00533	
810	3.[illegible]	5.[illegible]	-.[illegible]	-.[illegible]	.00055	.00315	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	3.53301	7.00287	-.25815	.00448	.00039	.00509	
603	3.50450	3.84183	-.11768	.00443	.00076	.00728	
701	3.20749	6.00499	-.05580	-.00448	.00024	.00349	
702	3.25731	4.85092	-.17245	-.00445	-.00020	.00486	
703	3.21945	3.74695	-.05494	-.00454	.00061	.00517	
704	2.24350	5.00805	-.15556	.00419	-.00017	.00495	
705	2.20400	4.27806	-.10364	.00441	.00019	.00545	
706	1.31798	4.91358	-.19019	-.00405	.00028	.00528	
707	3.33200	6.07835	-.05501	-.00448	.00024	.00348	
708	3.20200	3.84297	-.03594	-.00454	.00061	.00514	
709	1.19522	4.81852	-.12054	-.00405	.00029	.00528	
710	2.21482	4.93494	-.08842	-.00517	.00240	.00261	
711	3.30415	3.42102	-.20295	-.00153	.00024	.00524	
712	1.23499	4.78753	-.17813	-.00496	.00064	.00533	
801	3.14013	5.77591	-.07811	-.00191	.00115	.00278	
802	3.13761	4.00442	-.05016	-.00175	.00025	.00497	
803	3.12143	3.03410	-.20565	-.00239	.00098	.00507	
804	1.24624	5.00404	-.32654	-.00052	.00048	.00473	
805	1.23063	3.72644	-.23523	-.00029	.00036	.00552	
806	.20529	4.58008	-.35101	-.00195	.00080	.00528	
807	3.16529	5.84006	-.07965	-.00191	.00115	.00279	
808	3.10412	2.95849	.25392	-.00239	.00098	.00507	
809	.78553	4.38484	-.34760	-.00195	.00080	.00524	
901	1.76132	3.25896	-.06520	-.00544	.00324	.00214	
902	3.20424	2.71902	-.26240	-.00169	.00160	.00492	
903	.78116	4.24011	.19491	-.00211	.00050	.00514	
904	2.78101	5.15947	-.06122	-.00236	.00127	.00249	
905	2.72117	3.61979	.10044	-.00210	.00050	.00525	
906	2.67804	1.92474	.44599	-.00268	.00157	.00482	
907	1.44403	4.38874	-.42387	-.00130	.00112	.00468	
908	1.38403	2.93549	-.17227	-.00078	.00065	.00558	
909	.28144	3.83348	-.01249	-.00268	.00147	.00469	
910	2.79354	5.21901	-.05948	-.00236	.00127	.00249	
911	2.94207	1.93806	.50907	-.00269	.00157	.00478	
912	.75174	3.84870	-.00211	-.00269	.00147	.00467	
913	.77410	1.86502	-.00039	-.00471	.00205	.00205	
914	2.72809	1.97453	-.23401	-.00114	.00149	.00453	
915	.54052	3.52706	.17083	-.00193	.00028	.00448	
1001	2.52412	4.57052	-.04699	-.00212	.00082	.00250	
1002	2.51728	2.81611	.19717	-.00206	.00089	.00558	
1003	2.34468	.96852	.01114	-.00214	.00187	.00407	
1004	.99351	3.89522	-.44002	-.00257	.00221	.00543	
1005	.97751	1.92159	.00460	-.00153	.00116	.00495	
1006	-.55769	2.87524	-.76960	-.00305	.00197	.00417	
1007	2.53265	4.82496	-.05472	-.00211	.00082	.00244	
1008	2.48534	.86744	.07611	-.00214	.00187	.00402	
1009	-.82401	2.87745	-.86280	-.00304	.00199	.00413	
1010	-.56208	-.10514	-.02436	.00041	-.00296	.00272	OBLIQUE
1011	.16407	.08562	-.04152	-.00514	.00135	.00219	GLOBAL

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	.10269	-2.40906	.25213	.00587	.00051	.00378	OBLIQUE
1011	2.10279	1.29751	-.14757	-.00283	.00515	.00381	GLOBAL
1012	.12490	2.44395	-.32442	-.00620	.00058	.00372	OBLIQUE
1012	.12490	2.51355	.09000	-.00620	-.00004	.00376	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7

DATE 08/27/76

U.S. NAVY - ACAN PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.16805	8.20119	-.19266	.00104	-.00019	-.00198	
102	.16949	7.92055	-.20473	.00089	.00011	.00183	
103	.17078	7.63649	-.16773	.00117	.00018	.00389	
104	-.07408	8.06106	-.09781	.00126	-.00025	.00232	
105	-.07814	7.77786	-.10752	.00093	.00025	.00123	
106	-.32209	7.91807	.10790	.00094	-.00064	.00130	
201	.16665	8.40350	-.19125	.00120	-.00002	-.00213	
202	.17151	8.11739	-.27748	.00084	.00010	.00174	
203	.16838	7.86015	-.16522	.00125	.00002	.00398	
204	-.04353	8.24006	-.14118	.00105	-.00030	.00210	
205	-.04510	7.99191	-.16183	.00073	.00015	.00075	
206	-.22775	8.10532	.10490	.00147	-.00038	.00129	
301	.16824	8.36559	-.18771	-.00265	-.00003	-.00204	
303	.16863	7.84379	-.16592	-.00235	.00022	.00446	
306	-.16349	8.12948	.11440	-.00271	-.00054	.00102	
401	.16048	8.37779	-.18212	-.00385	.00049	-.00035	
403	.04150	8.08727	-.16378	-.00352	-.00046	.00177	
406	.05379	8.07405	.14545	-.00247	.00002	.00056	
501	.17483	8.19502	-.15563	-.00284	.00020	-.00021	
502	.14727	8.00107	-.13110	-.00061	.00008	.00093	
503	.11459	7.86259	-.13900	-.00228	-.00019	.00161	
504	.05548	8.05069	-.09857	.00143	.00153	.00067	
505	.04804	7.93825	-.08020	.00146	-.00098	.00023	
506	.04417	7.96351	.09596	-.00191	.00016	.00056	
507	.17259	8.20250	-.12643	-.00284	.00020	-.00021	
508	.13753	7.93803	-.11619	-.00228	-.00019	.00161	
509	.03147	7.97158	.05058	-.00191	.00016	.00056	
510	.16073	8.16514	-.17829	-.00307	.00083	-.00042	
511	.13301	7.93322	-.16307	-.00333	-.00063	.00182	
512	.04501	7.95609	.14858	-.00194	.00001	.00054	
513	.17715	8.20023	-.08862	-.00206	-.00080	.00030	
514	.14134	7.82008	-.08973	-.00132	.00052	.00109	
601	.16005	8.03429	-.12484	-.00173	-.00003	-.00005	
603	.13432	7.72801	-.11649	-.00115	.00043	.00144	
606	.02079	7.85208	.04183	-.00137	.00030	.00055	
611	.16481	8.03572	-.03955	-.00083	-.00016	-.00092	
612	.20009	7.31471	-.23200	.00579	-.00003	.00078	
613	.21044	7.72946	-.07336	-.00025	.00013	.00232	
641	.17067	7.93505	-.09724	-.00112	-.00014	-.00001	
642	.15497	8.12693	-.12715	-.00137	.00013	.00014	
643	.13793	7.85538	-.09719	-.00057	.00014	.00140	
646	.14426	7.99486	-.05400	.00029	.00068	.00072	
645	-.06108	7.83304	-.09207	-.00008	-.00100	.00080	
646	-.10941	7.71158	-.00771	-.00106	.00035	.00052	
651	.17494	7.96574	-.07145	-.00069	-.00015	-.00004	
653	.13967	7.80777	-.07922	-.00044	.00017	.00144	
656	-.13447	7.70559	-.05150	-.00099	.00032	.00048	
701	.16470	7.86851	-.03415	-.00065	-.00020	-.00158	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
702	.20005	5.12200	-.23205	.00467	-.00002	.00063	
703	.21530	5.60952	-.07300	-.00021	.00019	.00297	
701	.16707	5.79435	-.04110	-.00086	-.00014	-.00017	
702	.16101	5.66006	-.16584	-.00059	-.00005	.00050	
703	.15518	5.54863	-.05689	-.00060	.00018	.00160	
704	.05572	5.71418	-.17301	.00025	-.00007	.00021	
705	.04478	5.56691	-.15999	.00056	.00019	.00095	
706	-.00701	5.42679	-.10935	-.00102	.00018	.00041	
707	.16474	5.79415	-.02792	-.00086	-.00014	-.00018	
708	.15437	5.51807	-.04599	-.00060	.00018	.00158	
709	-.07701	5.42949	-.13503	-.00102	.00017	.00043	
710	-.27253	4.95152	-.18486	-.00410	.00165	-.00078	
711	.54107	4.71821	-.18985	-.00364	-.00150	.00213	
712	.02536	5.57348	.20893	-.00116	-.00001	.00042	
701	.20254	5.31945	.08361	-.00220	.00002	-.00072	
702	.17407	5.12501	-.02152	-.00190	.00005	.00065	
703	.14584	4.96329	.11804	-.00259	.00007	.00189	
704	.04908	5.19105	-.27240	-.00048	.00002	.00011	
705	.03515	5.03946	-.29811	-.00064	-.00019	.00091	
706	-.04703	5.08859	-.41727	-.00240	-.00029	.00049	
707	.19459	5.31356	.10942	-.00221	.00002	-.00069	
708	.16750	4.93451	.15002	-.00259	.00007	.00188	
709	-.03245	5.09700	-.47458	-.00240	-.00029	.00046	
710	-.73501	3.58755	-.10646	-.00426	.00114	-.00103	
711	.97484	3.40569	-.10484	-.00404	-.00059	.00212	
712	.00806	4.98275	.22525	-.00200	-.00005	.00048	
901	.15177	4.41405	.23797	-.00302	-.00007	-.00068	
902	.15518	4.19058	.15427	-.00248	.00001	.00086	
903	.17419	3.99201	.26063	-.00300	.00026	.00184	
904	.01059	4.20606	-.33094	-.00151	.00036	.00002	
905	-.00151	4.09379	-.51637	-.00126	-.00025	.00081	
906	.00947	4.18009	-.71434	-.00319	.00010	.00029	
907	.12170	4.41522	.27451	-.00303	-.00006	-.00067	
908	.14921	3.86776	.30061	-.00300	.00026	.00182	
909	.00109	4.19752	-.40101	-.00319	.00010	.00030	
910	-1.03097	2.22456	-.16568	-.00359	.00062	-.00081	
911	1.14174	2.08274	-.14720	-.00316	-.00049	.00187	
912	.00169	4.05601	.19096	-.00230	-.00004	.00030	
1001	.25146	3.36063	.34830	-.00315	-.00043	-.00044	
1002	.15014	3.23747	.30540	-.00336	.00004	.00064	
1003	.07718	2.98024	.36159	-.00240	.00045	.00133	
1004	-.00985	3.32751	-.35075	-.00244	.00103	.00065	
1005	-.11408	3.13060	-.17795	-.00207	-.00035	.00025	
1006	-.10034	3.07927	-.42039	-.00345	.00073	.00040	
1007	.22901	3.38094	.39521	-.00315	-.00043	-.00046	
1008	.09674	2.95911	.40011	-.00240	.00045	.00134	
1009	-.10044	3.08184	-1.00415	-.00345	.00073	.00039	
101	-.92101	-1.40050	.13502	.00387	-.00228	-.00006	OBLIQUE
1010	-1.00555	1.06583	-.09715	-.00307	-.00225	-.00043	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7
DATE 08/27/76

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	.37579	-1.46275	.14826	.00306	.00184	.00102	UNLIQUE
1011	1.05159	1.06131	-.04457	-.00326	.00235	.00151	GLOBAL
1012	-.00010	2.86911	-.37729	-.00706	.00000	.00027	UNLIQUE
1012	-.00010	2.89210	.04952	-.00706	-.00004	.00026	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

DATE 08/27/76

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	-3.10440	-7.33369	-.03829	-.00101	.00035	-.00045	
102	-3.10223	-6.69506	-.05150	-.00117	.00029	-.00405	
103	-3.09990	-6.05632	.06584	-.00106	.00028	-.00480	
104	-2.55059	-7.01685	-.22923	-.00090	.00025	-.00398	
105	-2.54965	-6.37705	-.15559	-.00065	.00051	-.00317	
106	-1.99670	-6.69974	-.24391	-.00077	.00067	-.00515	
201	-3.17107	-7.51110	-.03480	-.00105	.00020	-.00032	
202	-3.16213	-6.87400	-.09571	-.00112	.00027	-.00397	
203	-3.15200	-6.25334	.00727	-.00125	.00052	-.00484	
204	-2.63519	-7.17802	-.24545	-.00067	.00009	-.00377	
205	-2.63425	-6.56706	-.21009	-.00064	.00029	-.00275	
206	-2.13790	-6.88844	-.24204	-.00104	.00060	-.00521	
301	-3.14476	-7.53569	-.03552	.00171	.00014	.00004	
303	-3.23167	-6.24323	.07026	.00255	.00033	-.00516	
305	-2.20413	-6.89584	-.24049	.00226	.00018	-.00505	
401	-3.13904	-5.99476	-.03382	.00351	-.00099	-.00214	
403	-3.12435	-4.97286	.09423	.00238	-.00058	-.00367	
405	-2.60215	-5.10329	-.24348	.00223	-.00067	-.00426	
501	-3.10702	-5.85059	-.04367	.00246	-.00055	-.00234	
502	-3.11179	-5.09572	-.05021	.00044	.00065	-.00441	
503	-3.11127	-4.33548	.05550	.00102	-.00065	-.00380	
504	-2.51012	-5.44547	-.10094	-.00090	-.00110	-.00385	
505	-2.50383	-4.73482	-.04651	-.00100	.00094	-.00376	
506	-1.99192	-5.07796	-.20058	.00177	-.00071	-.00423	
507	-3.13702	-5.90843	-.06154	.00246	-.00054	-.00232	
505	-3.13948	-4.26857	.02333	.00162	-.00065	-.00380	
509	-1.68319	-5.00504	-.15857	.00177	-.00071	-.00423	
510	-3.08058	-5.81425	-.03978	.00379	-.00134	-.00205	
511	-3.11579	-4.31424	.04858	.00217	-.00030	-.00390	
512	-1.97555	-5.07284	-.24175	.00177	-.00092	-.00426	
513	-3.15766	-5.93703	-.07503	.00155	.00016	-.00294	
514	-3.17067	-4.22449	-.03422	.00152	-.00103	-.00349	
601	-3.09494	-5.74157	-.05755	.00157	-.00015	-.00252	
603	-3.04220	-4.21415	.01635	.00081	-.00061	-.00373	
605	1.88575	-4.97406	-.15308	.00127	-.00055	-.00418	
611	-3.36592	-5.74302	-.14392	.00054	-.00017	-.00292	
612	-3.37245	-5.09014	-.23201	-.00523	-.00004	-.00387	
613	-3.36042	-4.21565	-.06068	.00045	.00005	-.00537	
641	-3.10421	-5.69480	-.06846	.00075	-.00003	-.00254	
642	-3.04297	-5.10627	-.02699	.00168	.00005	-.00328	
643	-3.07498	-4.13491	-.01875	.00043	-.00059	-.00373	
645	-2.75367	-5.44560	-.16134	-.00006	-.00064	-.00405	
646	-2.45549	-4.58614	-.06977	-.00034	.00042	-.00380	
649	-1.79925	-4.89884	-.10998	.00100	-.00046	-.00415	
651	-3.11410	-5.67821	-.07689	.00052	-.00012	-.00249	
653	-3.05871	-4.08955	-.05252	.00041	-.00058	-.00378	
655	-1.71919	-4.63635	-.08960	.00090	-.00040	-.00411	
661	-3.09978	-5.67965	-.13408	.00117	-.00067	-.00162	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

DATE 08/27/76

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	-3.31248	-5.96203	-.23205	-.00415	-.00039	-.00377	
603	-3.32436	-4.07093	-.06955	.00026	-.00049	-.00617	
701	-3.11726	-5.66639	-.08436	.00050	-.00027	-.00229	
702	-3.06206	-4.80062	-.17409	-.00021	.00018	-.00358	
703	-3.04115	-3.96315	-.09377	.00062	-.00057	-.00391	
704	-2.36487	-5.21451	-.17429	.00025	-.00049	-.00368	
705	-2.33518	-4.36998	-.10851	.00001	.00044	-.00418	
706	-1.63360	-4.76619	-.02198	.00093	-.00034	-.00408	
707	-3.14571	-5.71522	-.08467	.00050	-.00027	-.00229	
708	-3.08699	-3.90543	-.11305	.00063	-.00057	-.00387	
709	-1.53572	-4.76927	.00015	.00093	-.00034	-.00408	
710	-2.44345	-4.57691	-.04701	.00065	-.00268	-.00148	
711	-3.21438	-3.54994	.15742	.00168	-.00010	-.00403	
712	-1.46445	-4.72372	-.27654	.00102	-.00104	-.00419	
501	-2.44253	-5.36567	-.07080	.00195	-.00118	-.00165	
502	-2.42647	-4.33523	-.36929	.00098	-.00027	-.00366	
503	-2.40435	-3.30902	-.35898	.00256	-.00096	-.00390	
504	-2.67918	-4.82610	-.08856	.00100	-.00125	-.00349	
505	-2.06983	-3.82812	-.18109	.00077	.00030	-.00423	
506	-1.27103	-4.31150	.22334	.00203	-.00076	-.00413	
507	-2.90868	-5.40751	-.08945	.00196	-.00119	-.00167	
508	-2.93715	-3.23844	-.40655	.00256	-.00096	-.00390	
509	-1.17041	-4.31878	.27168	.00203	-.00077	-.00409	
510	-1.62911	-5.08400	-.03962	.00504	-.00248	-.00111	
511	-3.07894	-2.83695	.17045	.00204	-.00141	-.00361	
512	-.93869	-4.22913	-.27819	.00214	-.00093	-.00408	
901	-2.55240	-4.59301	-.09217	.00234	-.00130	-.00148	
902	-2.50725	-3.54972	-.43050	.00168	-.00051	-.00390	
903	-2.53746	-2.26065	-.59898	.00264	-.00151	-.00377	
904	-1.60101	-4.11949	.10322	.00156	-.00148	-.00341	
905	-1.59106	-2.96200	-.14822	.00106	-.00029	-.00426	
906	-.70633	-3.56105	.47977	.00274	-.00143	-.00365	
907	-2.55523	-4.73311	-.09315	.00234	-.00130	-.00148	
908	-2.04089	-2.19623	-.66025	.00254	-.00150	-.00373	
909	-.91677	-3.57672	.55062	.00274	-.00143	-.00363	
910	-.75717	-1.57345	-.02710	.00454	-.00240	-.00112	
911	-2.03622	-2.03790	.14102	.00145	-.00129	-.00354	
912	-.46797	-3.46513	-.23742	.00197	-.00066	-.00451	
1001	-2.25166	-4.04807	-.10585	.00218	-.00087	-.00159	
1002	-2.25250	-2.74301	-.35608	.00279	-.00088	-.00419	
1003	-2.14083	-1.35006	-.76317	.00220	-.00190	-.00315	
1004	-1.12107	-5.34575	.29312	.00254	-.00210	-.00411	
1005	-1.11291	-2.07302	-.14296	.00156	-.00120	-.00360	
1006	.12484	-2.60010	.65571	.00298	-.00184	-.00322	
1007	-2.27559	-4.08869	-.11373	.00217	-.00087	-.00154	
1008	-2.17662	-1.29009	-.82937	.00220	-.00190	-.00312	
1009	.09375	-2.00202	.72416	.00298	-.00185	-.00319	
1010	.47504	.05312	-.03329	-.00026	.00282	-.00186	UNLIQUE
1011	-.18883	-.08075	-.02905	.00260	-.00152	-.00137	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	-.13944	2.35290	-.31854	-.00560	-.00664	-.00289	ORIGINAL
1111	-1.93597	-1.30478	.07292	.00505	-.00490	-.00296	GLOBAL
1112	-.13579	-2.44125	.26389	.00510	-.00670	-.00283	ORIGINAL
1112	-.13579	-2.45141	-.14104	.00410	-.00622	-.00290	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9
DATE 08/27/76

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.08476	-7.75317	.03448	-.00111	-.00005	.00196	
102	.09077	-7.67568	-.05175	-.00126	-.00013	-.00053	
103	.09276	-7.59319	-.00713	-.00117	-.00012	-.00235	
104	.15957	-7.71570	-.20827	-.00100	-.00016	-.00098	
105	.16038	-7.63609	-.20546	-.00069	.00010	-.00019	
106	.22657	-7.67883	-.20671	-.00079	.00052	.00013	
201	.09422	-7.95127	.03547	-.00121	-.00020	.00205	
202	.10547	-7.88923	-.04507	-.00121	-.00016	-.00044	
203	.11265	-7.81249	-.00570	-.00140	.00010	-.00242	
204	.14547	-7.89297	-.21903	-.00071	-.00051	-.00079	
205	.14718	-7.84360	-.25864	-.00070	-.00016	.00022	
206	.15408	-7.83941	-.20468	-.00118	.00015	.00015	
301	.11509	-7.96515	.03923	.00226	.00009	.00227	
303	.11847	-7.84819	.00265	.00219	-.00014	-.00266	
305	.12496	-7.89545	-.20439	.00251	.00045	.00043	
401	.02497	-6.04596	.05408	.00362	-.00041	.00106	
403	.15869	-6.08264	.02051	.00324	.00062	-.00081	
405	-.10272	-5.97755	-.20894	.00246	-.00002	.00036	
501	.05069	-5.91455	.02603	.00267	-.00015	.00093	
502	.06768	-5.89851	-.05040	.00067	-.00018	.00005	
503	.12540	-5.92495	-.00387	.00263	.00033	-.00066	
504	.03240	-5.85957	-.08128	-.00133	-.00141	.00028	
505	.04067	-5.91554	-.12052	-.00151	.00105	.00072	
506	-.10144	-5.86172	-.22002	.00194	-.00015	.00035	
507	.06170	-5.91013	-.00230	.00267	-.00015	.00094	
508	.11441	-5.92048	-.02323	.00263	.00033	-.00067	
509	-.11059	-5.87018	-.17406	.00194	-.00015	.00055	
510	.00267	-5.89090	.05518	.00364	-.00072	.00113	
511	.11163	-5.89871	.02316	.00350	.00097	-.00088	
512	-.10427	-5.85509	-.26819	.00194	-.00004	.00037	
513	.00117	-5.90216	-.04903	.00196	.00048	.00038	
514	.12015	-5.92117	-.05490	.00153	-.00058	-.00011	
601	.05548	-5.75862	-.00480	.00165	.00010	.00079	
603	.10703	-5.80535	-.02625	.00117	.00004	-.00051	
605	-.08425	-5.74947	-.16745	.00158	-.00029	.00035	
611	.10193	-5.76028	-.12522	.00093	-.00008	.00188	
612	.04571	-7.23575	-.21920	-.00553	.00005	.00016	
613	.08549	-5.00723	-.10400	.00059	.00019	-.00160	
641	.05592	-5.65512	-.03502	.00110	.00019	.00076	
642	.10554	-5.63048	-.04298	.00127	-.00021	.00073	
643	.10494	-5.74009	-.04572	.00062	-.00009	-.00049	
644	-.12431	-5.77657	-.12694	-.00023	-.00067	.00013	
645	.13915	-5.63653	-.08509	.00013	.00103	.00011	
649	-.06971	-5.66761	-.11953	.00108	-.00035	.00037	
651	.04957	-5.57852	-.06357	.00090	.00018	.00079	
653	.10773	-5.59772	-.06409	.00051	-.00011	-.00055	
655	-.04933	-5.59958	-.07403	.00099	-.00053	.00040	
701	.10101	-5.58015	-.12543	.00115	-.00004	.00257	

LOAD CONDITION NO. 9

U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
802	.08687	-7.99123	-.21921	-.00429	.00005	.00029	
803	.07215	-5.99933	-.10412	.00079	.00013	-.00224	
701	.04569	-5.99718	-.09552	.00085	.00014	.00093	
702	.07917	-5.55482	-.17078	-.00009	.00001	.00039	
703	.11037	-5.60451	-.08611	.00064	-.00012	-.00072	
704	.01303	-5.51098	-.15296	.00015	-.00056	.00066	
705	.02453	-5.57987	-.16937	.00005	.00043	-.00007	
706	-.03176	-5.52118	-.02100	.00106	-.00021	.00045	
707	.05694	-5.48132	-.10853	.00085	.00014	.00093	
708	.10195	-5.53212	-.09625	.00064	-.00012	-.00071	
709	-.04309	-5.52404	.00412	.00106	-.00021	.00043	
710	.06459	-4.71807	.07818	.00383	-.00147	.00148	
711	-.35248	-4.79824	.06505	.00381	.00158	-.00127	
712	-.09754	-5.47243	-.31269	.00116	-.00013	.00043	
801	.05065	-4.98634	-.22948	.00221	-.00003	.00145	
802	.09563	-5.01959	-.37114	.00107	-.00006	.00023	
803	.11743	-5.04633	-.26249	.00254	-.00003	-.00108	
804	.00944	-4.96979	-.12706	.00088	-.00069	.00076	
805	.02331	-5.05064	-.10121	.00107	.00066	-.00003	
806	-.10182	-4.98276	.27867	.00244	.00035	.00032	
807	.06640	-4.96547	-.25486	.00221	-.00003	.00141	
808	.10765	-5.08208	-.29303	.00254	-.00003	-.00106	
809	-.10436	-4.99142	.33674	.00244	.00035	.00034	
810	.04096	-3.41356	.04104	.00397	-.00093	.00169	
811	-.75555	-3.45523	.07105	.00426	.00076	-.00136	
812	-.07251	-4.06552	-.31343	.00259	-.00014	.00029	
901	.12370	-4.04865	-.39009	.00299	.00008	.00134	
902	.10461	-4.08869	-.48168	.00204	-.00001	.00005	
903	.09668	-4.06912	-.40234	.00295	-.00016	-.00112	
904	.01675	-4.02735	.00499	.00152	-.00071	.00084	
905	.02858	-4.12548	-.00399	.00151	.00065	.00014	
906	-.21494	-4.07226	.57458	.00523	-.00004	.00044	
907	.13548	-4.03404	-.42650	.00299	.00008	.00133	
908	.08108	-4.05935	-.43991	.00295	-.00016	-.00109	
909	-.22653	-4.08980	.65829	.00324	-.00004	.00042	
910	1.13705	-2.12433	.08286	.00526	-.00057	.00141	
911	-.95328	-2.09072	.05069	.00341	.00067	-.00120	
912	-.04048	-3.95976	-.26058	.00234	-.00016	.00038	
1001	.04397	-2.97933	-.50080	.00324	.00040	.00106	
1002	.11043	-3.14220	-.46129	.00348	-.00002	.00030	
1003	.10415	-3.19930	-.49918	.00241	-.00039	-.00070	
1004	.01558	-3.07815	.20931	.00259	-.00094	.00005	
1005	.02422	-3.18892	.04019	.00206	.00030	.00070	
1006	-.08510	-2.97950	.77438	.00353	-.00066	.00025	
1007	.05275	-2.96740	-.54801	.00324	.00040	.00107	
1008	.10467	-3.19129	-.53557	.00241	-.00039	-.00072	
1009	-.09168	-2.98149	.85550	.00353	-.00066	.00025	
1010	.59734	1.41263	-.20145	-.00377	.00145	.00064	UNLIQUE
1010	1.05724	-1.05713	.05571	.00344	.00237	.00094	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
1011	-.01610	1.52167	-.20365	-.00340	-.00202	-.00041	OBLIQUE
1011	-.45059	-1.02875	.01636	.00337	-.00199	-.00073	GLOBAL
1012	-.01391	-2.74403	.30994	.00686	-.00006	.00035	OBLIQUE
1012	-.01391	-2.80697	-.15361	.00686	-.00012	.00033	GLOBAL

STRAN - REACTION FORCES AND MOMENTS

DATE 08/27/76

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	19.2720	24.9274	173.0428	1654.9136	13509.1337	-3020.3709	UPLIQUE
1010	-12.9906	-14.7548	174.0059	11145.3685	-8340.5975	-757.1427	GLOBAL
1011	-1.1276	434.1074	-1776.9111	51821.4074	-2673.0106	-4196.5492	UPLIQUE
1011	-623.5349	-581.0080	-1681.5026	-24210.4469	45059.5759	-4579.0662	GLOBAL
1012	-2.1960	-415.0438	2246.3604	-52276.4129	-2563.3298	-4129.7836	UPLIQUE
1012	-2.1960	-785.2720	2187.0192	-52276.4128	-1649.5207	-4495.0022	GLOBAL
TOTAL	-630.6713	-1141.0348	680.5224	-65343.4912	55069.4577	-9831.2112	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 7
DATE 08/27/76
U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F=X	F=Y	F=Z	MOMENT IN IN-KIPS M=X	M=Y	M=Z	REMARKS
1010	10.2525	246.4375	-451.5556	32099.4692	8544.9095	61.5492	OBLIQUE
1010	375.1549	-228.3124	-891.4790	-8746.9343	-32010.4584	1466.2444	GLOBAL
1011	-10.9725	293.7006	-1044.8472	34044.4334	-9016.2999	-1136.3542	OBLIQUE
1011	-394.4726	-239.9016	-982.5043	-9471.2595	33639.6669	-2603.9476	GLOBAL
1012	.1169	-460.4691	2058.9916	-59644.9960	-30.6560	-295.5496	OBLIQUE
1012	.1169	-891.5395	2547.1125	-59644.9960	18.1190	-296.4037	GLOBAL
TOTAL	-19.1808	-1359.5534	675.5292	-77865.1918	1646.8274	-1434.1069	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F=X	F=Y	F=Z	MOMENT IN IN-KIPS M=X	M=Y	M=Z	REMARKS
1010	-17.4794	-7.3109	269.5820	258.0022	-12565.9695	2063.6488	OBLIQUE
1010	-35.9634	40.9279	265.0034	-11159.1572	6140.1160	-31.4089	GLOBAL
1011	1.6917	-405.2098	2244.9640	-51260.9517	3670.3700	3207.0196	OBLIQUE
1011	663.8077	384.9192	2148.0665	23449.6903	-45651.3192	3668.3756	GLOBAL
1012	3.2453	426.0020	-1659.7717	50161.8003	3259.1052	3139.7341	OBLIQUE
1012	3.2453	727.9232	-1764.1044	50161.8002	2696.5925	3632.6082	GLOBAL
TOTAL	650.7296	1153.7702	648.9615	62452.5334	-36812.6107	7269.7749	

STRAN - REACTION FORCES AND MOMENTS

DATE 08/27/76

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN INCH-KIPS M-X	M-Y	M-Z	REMARKS
1010	-10.1516	-260.6526	1419.5475	-30912.4969	-8715.7297	-705.8213	OBLIQUE
1010	-420.7190	257.9039	1356.0814	8101.6249	31014.0621	-2129.8388	GLOBAL
1011	11.4204	-263.5023	1436.6553	-31351.5240	9193.0352	453.4543	OBLIQUE
1011	424.1103	257.8672	1373.7439	7877.2542	-31650.3564	1959.4202	GLOBAL
1012	.5241	480.7751	-2184.3445	56521.1877	248.6335	-385.2077	OBLIQUE
1012	.5240	633.3376	-2075.5852	56521.1877	308.5784	-339.0915	GLOBAL
TOTAL	-2.0788	1349.1067	654.2201	72500.0668	-327.7159	-509.5100	

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6 DATE 08/27/76

U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
101- 102	A10- 1	0.0	-3.05	370.45	68.54	.72	-6.94	.01	-.19	4.16	8.27	.08	1.08	.428
		3.6	-3.05	106.41	57.37	.72	-5.22	.01	-.19	1.19	5.35	.08	.81	.232
		7.3	-3.05	-53.21	26.11	.72	-3.50	.01	-.19	-.93	2.44	.08	.54	.122
		10.9	-3.05	-197.98	-5.15	.72	-1.78	.01	-.19	-2.22	-.48	.08	.28	.095
		14.5	-3.05	-237.77	-36.42	.72	-.05	.01	-.19	-2.67	-3.40	.08	.01	.211
101- 104	A10- 1	0.0	-1.31	363.51	67.34	.70	-6.70	-.01	-.08	4.08	8.15	.08	1.04	.416
		3.6	-1.31	104.48	57.02	.70	-4.96	-.01	-.08	1.23	5.32	.08	.77	.227
		7.2	-1.31	-54.71	26.70	.70	-3.26	-.01	-.08	-.78	2.49	.08	.51	.115
		10.9	-1.31	-174.06	-3.62	.70	-1.54	-.01	-.08	-1.95	-.34	.08	.24	.077
		14.5	-1.31	-203.58	-33.94	.70	.18	-.01	-.08	-2.28	-3.17	.08	.03	.186
101- 201	BRL- 1	0.0	-14.44	-314.77	552.74	3.10	2.20	175.97	-.20	-1.00		.22	.22	.039
		3.8	-14.81	-215.60	413.22	3.10	2.20	175.97	-.22	-.73		.22	.22	.031
		7.5	-20.97	-116.85	273.66	3.10	2.20	175.97	-.23	-.47		.22	.22	.023
		11.3	-22.13	-17.88	134.09	3.10	2.20	175.97	-.24	-.21		.22	.22	.016
		15.0	-23.29	81.11	-5.48	3.10	2.20	175.97	-.26	-.13		.22	.22	.013
102- 103	A10- 1	0.0	-2.49	-238.57	-24.62	-.37	.28	-.02	-.15	-2.68	-2.48	.04	.04	.176
		3.6	-2.49	-149.05	-10.54	-.37	2.00	-.02	-.15	-2.12	-.98	.04	.31	.106
		7.3	-2.49	-64.64	5.55	-.37	3.72	-.02	-.15	-.73	.52	.04	.58	.047
		10.9	-2.49	134.66	21.53	-.37	5.44	-.02	-.15	1.51	2.02	.04	.85	.125
		14.5	-2.49	406.90	37.72	-.37	7.16	-.02	-.15	4.59	3.52	.04	1.11	.274
102- 104	A08- 1	0.0	-.11	-.76	-7.66	-.09	-.18	-.00	-.02	-.04	-1.37	.02	.09	.050
		3.6	-.11	-.73	-3.70	-.09	-.09	-.00	-.02	-.32	-.64	.02	.05	.034
		7.2	-.11	-.69	.20	-.09	-.01	-.00	-.02	-.43	.05	.02	.00	.016
		10.9	-.11	-7.28	4.22	-.09	.08	-.00	-.02	-.35	.75	.02	.04	.038
		14.5	-.11	-1.84	8.18	-.09	.17	-.00	-.02	-.09	1.48	.02	.09	.055
102- 105	A08- 1	0.0	-1.09	.82	-2.15	.00	-.15	.00	-.15	.04	-.38	.00	.08	.024
		3.6	-1.09	-3.69	-2.27	.00	-.06	.00	-.15	-.19	-.41	.00	.03	.030
		7.2	-1.09	-4.81	-2.41	.00	.02	.00	-.15	-.23	-.43	.00	.01	.032
		10.9	-1.09	-1.96	-2.55	.00	.11	.00	-.15	-.09	-.46	.00	.06	.029
		14.5	-1.09	4.88	-2.69	.00	.20	.00	-.15	.22	-.48	.00	.10	.034
103- 105	A10- 1	0.0	-4.14	471.75	-27.00	-.19	-7.48	-.00	-.26	5.29	-2.52	.02	1.16	.266
		3.6	-4.14	185.80	-18.94	-.19	-5.76	-.00	-.26	2.06	-1.77	.02	.89	.138
		7.2	-4.14	-29.31	-10.88	-.19	-4.04	-.00	-.26	-.33	-1.01	.02	.63	.056
		10.9	-4.14	-167.59	-2.82	-.19	-2.32	-.00	-.26	-1.88	-.26	.02	.36	.079
		14.5	-4.14	-231.03	5.24	-.19	-.60	-.00	-.26	-2.59	.49	.02	.09	.110
103- 203	BRL- 1	0.0	-19.65	-406.51	-644.86	-4.40	4.05	-64.71	-.22	-1.19		.18	.18	.046
		3.8	-20.81	-226.44	-447.06	-4.40	4.05	-64.71	-.23	-.78		.18	.18	.033
		7.5	-21.97	-44.37	-249.25	-4.40	4.05	-64.71	-.24	-.40		.18	.18	.021
		11.3	-23.14	137.70	-51.43	-4.40	4.05	-64.71	-.25	-.23		.18	.18	.016
		15.0	-24.30	319.77	148.36	-4.40	4.05	-64.71	-.27	-.55		.18	.18	.027

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECT	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
104- 105 W08-	1	0.0	1.20	1.81	-3.19	-.01	-.21	.01	.17	.09	-.57	.00	.11	.029
		3.6	1.20	-5.50	-2.93	-.01	-.12	.01	.17	.26	-.52	.00	.07	.033
		7.3	1.20	-9.02	-2.67	-.01	-.04	.01	.17	.43	-.48	.00	.02	.036
		10.9	1.20	-8.76	-2.41	-.01	.05	.01	.17	.42	-.43	.00	.03	.034
		14.5	1.20	-4.72	-2.15	-.01	.14	.01	.17	.23	-.38	.00	.07	.026
104- 106 W18-	1	0.0	-2.05	-205.43	-22.57	-.28	.56	-.01	-.13	-2.31	-2.11	.03	.09	.152
		3.6	-2.05	-143.59	-10.21	-.28	2.26	-.01	-.13	-1.61	-.95	.03	.35	.089
		7.3	-2.05	-6.81	2.14	-.28	4.00	-.01	-.13	-.08	.20	.03	.62	.015
		10.9	-2.05	204.68	14.50	-.28	5.73	-.01	-.13	2.30	1.35	.03	.89	.125
		14.5	-2.05	497.64	26.86	-.28	12.45	-.01	-.13	5.58	2.51	.03	1.93	.269
105- 106 W18-	1	0.0	-5.28	-226.33	.39	-.09	-.27	-.05	-.33	-2.54	.04	.01	.04	.096
		3.6	-5.28	-200.45	4.22	-.09	1.46	-.05	-.33	-2.25	.39	.01	.23	.099
		7.3	-5.28	-99.64	8.04	-.09	3.18	-.05	-.33	-1.12	.75	.01	.49	.075
		10.9	-5.28	76.09	11.87	-.09	4.90	-.05	-.33	.85	1.11	.01	.76	.079
		14.5	-5.28	326.75	15.69	-.09	6.62	-.05	-.33	3.67	1.46	.01	1.03	.181
106- 206 DKL-	1	0.0	-14.46	714.00	-85.49	-3.80	-15.08	-42.55	-.16	-1.12		.37	.37	.042
		3.8	-16.02	35.62	85.71	-3.80	-15.08	-42.55	-.18	-.15		.37	.37	.011
		7.5	-17.18	-642.75	256.91	-3.80	-15.08	-42.55	-.19	-1.08		.37	.37	.041
		11.3	-18.35	-1321.13	428.11	-3.80	-15.08	-42.55	-.20	-2.17		.37	.37	.076
		15.0	-19.51	-1999.51	599.31	-3.80	-15.08	-42.55	-.21	-3.27		.37	.37	.111
201- 202 W18-	1	0.0	25.32	573.51	93.44	.77	-10.01	.04	1.56	6.44	8.72	.09	1.55	.562
		3.6	25.32	192.29	60.03	.77	-7.52	.04	1.56	2.16	5.60	.09	1.17	.318
		7.3	25.32	-80.92	26.61	.77	-5.04	.04	1.56	-.91	2.48	.09	.78	.170
		10.9	25.32	-246.11	-6.81	.77	-2.56	.04	1.56	-2.76	-.63	.09	.40	.164
		14.5	25.32	-303.28	-40.22	.77	-.07	.04	1.56	-3.40	-3.75	.09	.01	.293
201- 204 W18-	1	0.0	-52.03	640.68	92.66	.76	-10.43	-.02	-3.21	7.19	8.64	.09	1.62	.664
		3.6	-52.03	240.95	59.52	.76	-7.95	-.02	-3.21	2.70	5.55	.09	1.23	.414
		7.2	-52.03	-50.67	26.39	.76	-5.47	-.02	-3.21	-.57	2.46	.09	.85	.239
		10.9	-52.03	-234.76	-6.75	.76	-2.99	-.02	-3.21	-2.63	-.63	.09	.46	.240
		14.5	-52.03	-310.73	-39.89	.76	-.51	-.02	-3.21	-3.49	-3.72	.09	.08	.375
201- 301 DKL-	1	0.0	-58.87	-422.25	1331.74	10.91	53.39	230.19	-.65	-2.19		1.38	1.38	.093
		3.8	-60.03	1980.30	840.78	10.91	53.39	230.19	-.66	-3.37		1.38	1.38	.130
		7.5	-61.20	4342.66	349.81	10.91	53.39	230.19	-.67	-6.86		1.38	1.38	.242
		11.3	-62.36	6755.84	-158.14	12.15	51.23	230.19	-.68	-10.57		1.34	1.34	.359
		15.0	-62.96	8947.81	-770.42	15.23	45.90	230.19	-.69	-14.05		1.24	1.24	.470
201- 303 120-	1	0.0	-.62	443.21	-140.77	-3.84	-4.60	14.91	-.02	-5.80		.52	.52	.185
		8.2	-.98	26.52	235.56	-3.84	-3.91	14.91	-.03	-2.96		.48	.48	.095
		16.3	-1.34	-322.00	611.88	-3.84	-3.21	14.91	-.05	-8.63		.45	.45	.276
		24.5	-1.69	-230.96	482.28	8.50	6.30	14.91	-.06	-6.67		.84	.84	.214
		32.6	-1.94	984.21	-1143.65	24.69	17.64	14.91	-.07	-18.50		2.25	2.25	.599

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
202- 203 W16- 1		0.0	25.97	-305.75	-29.84	-.42	.27	-.04	1.60	-3.43	-2.78	.05	.04	.261
		3.6	25.97	-239.80	-11.74	-.42	2.76	-.04	1.60	-2.69	-1.10	.05	.43	.179
		7.3	25.97	-85.84	6.35	-.42	5.24	-.04	1.60	-.74	.59	.05	.81	.100
		10.9	25.97	216.13	24.45	-.42	7.72	-.04	1.60	2.43	2.28	.05	1.20	.212
		14.5	25.97	506.12	42.54	-.42	10.21	-.04	1.60	6.80	3.97	.05	1.59	.409
202- 204 W08- 1		0.0	-.08	-2.42	-8.57	-.10	-.18	-.00	-.01	-.12	-1.53	.02	.09	.058
		3.6	-.08	-8.23	-4.34	-.10	-.09	-.00	-.01	-.40	-.77	.02	.05	.040
		7.2	-.08	-10.27	-.11	-.10	-.00	-.00	-.01	-.49	-.02	.02	.00	.017
		10.9	-.08	-8.52	4.12	-.10	.08	-.00	-.01	-.41	.74	.02	.04	.039
		14.5	-.08	-2.99	8.35	-.10	.17	-.00	-.01	-.14	1.49	.02	.09	.057
202- 205 W08- 1		0.0	-1.22	2.51	-1.82	.02	-.17	-.00	-.17	.12	-.32	.00	.09	.026
		3.6	-1.22	-2.99	-2.60	.02	-.08	-.00	-.17	-.14	-.46	.00	.04	.032
		7.2	-1.22	-4.70	-3.36	.02	.00	-.00	-.17	-.23	-.60	.00	.00	.039
		10.9	-1.22	-2.64	-4.16	.02	.09	-.00	-.17	-.13	-.74	.00	.05	.041
		14.5	-1.22	3.21	-4.94	.02	.18	-.00	-.17	.15	-.88	.00	.09	.047
203- 205 W21- 1		0.0	39.61	1665.33	-53.45	-.34	-26.13	-.02	1.84	11.05	-3.17	.03	2.70	.524
		3.6	39.61	841.00	-39.06	-.34	-20.07	-.02	1.84	4.39	-2.30	.03	2.08	.283
		7.2	39.61	-79.76	-24.27	-.34	-14.01	-.02	1.84	-.53	-1.43	.03	1.45	.131
		10.9	39.61	-550.94	-9.48	-.34	-7.94	-.02	1.84	-3.70	-.56	.03	.82	.201
		14.5	39.61	-770.54	5.31	-.34	-1.86	-.02	1.84	-5.11	.31	.03	.20	.237
203- 303 DRL- 1		0.0	-5.29	-1135.97	-1116.24	-14.65	70.20	-386.45	-.07	-2.49		1.88	1.88	.081
		3.8	-7.45	2023.01	-456.84	-14.65	70.20	-386.45	-.08	-3.24		1.88	1.88	.106
		7.5	-8.61	5181.72	202.40	-14.57	70.05	-386.45	-.09	-8.11		1.87	1.87	.260
		11.3	-9.77	8271.74	822.39	-12.79	66.95	-386.45	-.11	-13.00		1.80	1.80	.415
		15.0	-10.37	11177.91	1336.84	-9.95	62.00	-386.45	-.11	-17.61		1.68	1.68	.561
203- 306 120- 1		0.0	-129.10	-76.43	-273.55	-1.16	.03	-38.30	-4.57	-3.54		.32	.32	.364
		3.2	-129.46	-39.30	-160.11	-1.16	.73	-38.30	-4.58	-2.06		.34	.34	.315
		10.3	-129.82	65.98	-46.70	-1.16	1.42	-38.30	-4.59	-1.01		.37	.37	.280
		24.5	-130.18	239.42	66.72	-1.16	2.12	-38.30	-4.60	-3.10		.41	.41	.344
		32.8	-130.44	327.07	180.02	-1.15	-1.70	-38.30	-4.61	-4.66		.38	.38	.395
204- 205 W06- 1		0.0	1.32	2.08	-1.40	.02	-.21	.01	.19	.14	-.25	.00	.11	.020
		3.6	1.32	-4.40	-2.34	.02	-.12	.01	.19	-.21	-.42	.01	.07	.028
		7.3	1.32	-7.40	-3.27	.02	-.04	.01	.19	-.38	-.58	.01	.02	.039
		10.9	1.32	-7.60	-4.21	.02	.05	.01	.19	-.37	-.75	.01	.03	.044
		14.5	1.32	-3.53	-5.14	.02	.14	.01	.19	-.17	-.92	.01	.07	.044
204- 206 W16- 1		0.0	-52.79	-313.67	-30.13	-.39	-.13	-.02	-3.26	-3.52	-2.81	.05	.02	.346
		3.6	-52.79	-265.08	-13.25	-.39	2.36	-.02	-3.26	-2.97	-1.24	.05	.37	.274
		7.3	-52.79	-108.45	3.64	-.39	4.84	-.02	-3.26	-1.22	.34	.05	.75	.187
		10.9	-52.79	156.24	20.52	-.39	7.33	-.02	-3.26	1.75	1.91	.05	1.14	.259
		14.5	-52.79	535.11	37.41	-.39	14.81	-.02	-3.26	6.00	3.49	.05	2.30	.449

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
205- 206	421- 1	0.0	38.31	-767.17	-4.77	-.27	-1.57	-.01	1.78	-5.09	-.28	.02	.16	.233
		3.6	38.31	-705.39	7.15	-.27	4.50	-.01	1.78	-4.67	.42	.02	.47	.224
		7.3	38.31	-575.72	19.08	-.27	10.56	-.01	1.78	-2.49	1.12	.02	1.09	.180
		10.9	38.31	215.85	31.00	-.27	16.63	-.01	1.78	1.43	1.82	.02	1.72	.171
		14.5	38.31	1071.32	42.92	-.27	22.70	-.01	1.78	7.11	2.52	.02	2.35	.375
206- 301	120- 1	0.0	120.34	307.34	247.69	2.82	-3.29	10.37	4.26	4.93		.37	.37	.304
		5.2	117.98	19.29	-28.61	2.82	-2.59	10.37	4.24	.43		.34	.34	.161
		10.5	119.62	-280.66	-304.90	2.82	-1.90	10.37	4.23	4.55		.31	.31	.291
		24.5	119.26	-320.04	-540.63	-.32	.65	10.37	4.22	7.89		.12	.12	.397
		32.5	115.98	179.81	262.13	-17.52	10.06	10.37	4.21	4.17		1.49	1.49	.279
206- 306	DRL- 1	0.0	-115.23	-280.53	820.17	5.21	62.27	92.35	-1.26	-1.36		1.44	1.44	.089
		3.8	-116.39	2521.82	505.55	5.21	62.27	92.35	-1.28	-4.05		1.44	1.44	.174
		7.5	-117.55	5324.17	350.92	5.21	62.27	92.35	-1.29	-8.35		1.44	1.44	.311
		11.3	-118.71	8126.52	116.30	5.21	62.27	92.35	-1.30	-12.71		1.44	1.44	.450
		15.0	-119.31	10925.27	-118.67	5.58	61.99	92.35	-1.31	-17.10		1.44	1.44	.588
301- 303	123- 1	0.0	-49.35	177.42	-537.75	-14.40	-2.59	10.70	-2.56	-9.98		1.61	1.61	.429
		7.3	-49.35	-1.51	379.91	-6.59	-1.49	10.70	-2.56	-4.61		.80	.80	.323
		14.5	-49.35	-77.00	611.09	1.15	-.21	10.70	-2.56	-10.86		.22	.22	.457
		21.7	-49.35	-33.28	175.53	8.85	1.25	10.70	-2.56	-3.15		1.02	1.02	.213
		29.0	-49.35	145.42	-927.06	16.49	2.89	10.70	-2.56	-16.55		1.83	1.83	.637
301- 306	123- 1	0.0	-91.99	-356.53	-505.03	-13.80	1.08	-2.60	-4.78	-10.92		1.46	1.46	.537
		7.2	-92.01	-223.55	354.83	-6.10	1.98	-2.60	-4.78	-7.45		.69	.69	.454
		14.5	-92.01	-19.84	561.79	1.39	2.66	-2.60	-4.78	-9.91		.34	.34	.507
		21.7	-92.03	233.61	123.89	8.57	3.12	-2.60	-4.78	-4.66		.97	.97	.351
		29.0	-92.03	510.85	-886.14	14.57	3.18	-2.60	-4.78	-18.04		1.55	1.55	.750
301- 401	DRL- 1	0.0	-139.76	9023.74	-800.35	-19.94	-27.77	-1056.41	-1.53	-14.17		1.58	1.58	.507
		7.1	-139.75	6147.41	613.52	-13.03	-39.72	-1056.41	-1.53	-9.66		1.75	1.75	.364
		14.2	-139.72	2195.66	1406.63	-5.40	-52.92	-1056.41	-1.53	-4.08		2.00	2.00	.188
		21.4	-139.69	-2885.73	1546.59	1.90	-65.55	-1056.41	-1.53	-5.12		2.27	2.27	.221
		28.5	-139.66	-8945.07	1120.00	7.85	-75.79	-1058.41	-1.53	-14.10		2.50	2.50	.505
303- 306	123- 1	0.0	80.53	-355.37	-283.00	-1.48	.16	-3.09	4.19	8.01		.18	.18	.399
		7.2	80.53	-270.79	-153.97	-1.48	1.73	-3.09	4.19	5.49		.26	.26	.319
		14.5	80.53	-64.33	-24.94	-1.48	2.95	-3.09	4.19	1.22		.37	.37	.144
		21.7	80.53	229.66	104.09	-1.48	3.73	-3.09	4.19	4.45		.44	.44	.286
		29.0	80.53	566.65	233.12	-1.48	3.91	-3.09	4.19	10.80		.46	.46	.488
303- 403	DRL- 1	0.0	-29.66	10982.63	427.59	-11.56	-48.38	1280.24	-.33	-17.19		2.09	2.09	.557
		7.1	-29.63	8561.82	1120.40	-4.61	-60.10	1280.24	-.33	-10.10		2.32	2.32	.332
		14.2	-29.60	855.27	1165.41	3.07	-73.34	1280.24	-.32	-2.12		2.61	2.61	.079
		21.4	-29.58	-6155.21	815.40	10.11	-85.61	1280.24	-.32	-9.68		2.89	2.89	.319
		28.5	-29.55	-13913.34	-502.10	15.76	-95.41	1280.24	-.32	-21.78		3.12	3.12	.702

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6 — DATE 08/27/76

U.S. NAVY - ACAP PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
306= 406	DRL= 1	0.0	-164.43	12120.50	110.04	-12.48	-57.48	567.85	-2.03	-18.96		1.74	1.74	.677
		7.1	-164.80	6837.27	961.07	-7.20	-66.58	567.85	-2.03	-10.80		1.91	1.91	.419
		14.2	-164.77	655.49	1294.28	-.32	-78.49	567.85	-2.03	-2.27		2.17	2.17	.149
		21.4	-164.74	-4595.92	1009.68	6.78	-90.78	567.85	-2.03	-10.44		2.44	2.44	.408
		28.5	-164.71	-13509.84	167.67	12.72	-101.01	567.85	-2.03	-23.17		2.68	2.68	.811
401= 501	JL4= 1	0.0	-41.85	2025.64	21969.91	-54.91	30.40	3.80	-.29	-13.86		.86	.88	.449
		1.1	-42.31	2443.54	22740.23	-57.04	30.64	3.80	-.30	-14.37		.91	.91	.465
		2.3	-42.78	2864.50	23547.54	-60.31	30.87	3.80	-.30	-14.90		.95	.95	.482
		3.4	-43.25	3288.66	24391.07	-62.93	31.10	3.80	-.30	-15.46		.98	.98	.500
		4.6	-43.73	3715.47	25270.03	-65.48	31.33	3.80	-.31	-16.05		1.02	1.02	.518
401= 510	P1= 1	0.0	-90.70	3469.71	-12174.63	-19.09	23.75	557.61	-.41	-5.92		.41	.41	.202
		1.1	-91.44	3794.99	-11913.89	-19.09	23.88	557.61	-.41	-5.85		.41	.41	.200
		2.3	-92.17	4121.98	-11653.15	-19.09	24.00	557.61	-.42	-5.78		.41	.41	.198
		3.4	-92.91	4450.58	-11392.40	-19.09	24.12	557.61	-.42	-5.72		.41	.41	.196
		4.6	-93.64	4780.69	-11131.66	-19.09	24.25	557.61	-.42	-5.67		.41	.41	.194
403= 503	JL4= 1	0.0	-1757.48	2135.41	-11438.59	38.71	141.43	-479.83	-12.30	-7.31		2.20	2.20	.659
		1.1	-1757.96	4056.91	-11976.81	39.90	143.71	-479.83	-12.30	-7.95		2.24	2.24	.680
		2.3	-1758.43	6069.27	-12530.69	41.06	145.98	-479.83	-12.30	-8.75		2.27	2.27	.705
		3.4	-1758.90	8081.81	-13100.45	42.19	148.12	-479.83	-12.30	-9.67		2.31	2.31	.734
		4.6	-1759.37	10123.85	-13685.52	43.29	150.24	-479.83	-12.31	-10.69		2.34	2.34	.767
403= 511	P1= 1	0.0	1857.94	7576.87	-1638.19	-1.42	27.92	-410.72	8.40	3.63		.35	.35	.407
		1.1	1857.20	7958.87	-1618.85	-1.42	28.04	-410.72	8.39	3.80		.35	.35	.412
		2.3	1856.47	8342.75	-1599.52	-1.42	28.17	-410.72	8.39	3.97		.35	.35	.418
		3.4	1855.74	8728.31	-1580.19	-1.42	28.29	-410.72	8.39	4.15		.35	.35	.423
		4.6	1855.00	9115.55	-1560.86	-1.42	28.41	-410.72	8.38	4.33		.35	.35	.429
406= 506	JL4= 1	0.0	2005.73	-6189.60	-1583.77	12.03	-95.24	84.18	14.03	4.01		1.37	1.37	.615
		1.1	2005.25	-7509.00	-1769.28	14.28	-97.53	84.18	14.03	4.85		1.41	1.41	.642
		2.3	2004.77	-8859.17	-1974.39	15.69	-99.76	84.18	14.03	5.70		1.44	1.44	.669
		3.4	2004.30	-10239.57	-2198.70	17.08	-101.95	84.18	14.02	6.58		1.47	1.47	.696
		4.6	2003.83	-11644.52	-2441.61	18.44	-104.08	84.18	14.02	7.48		1.51	1.51	.725
406= 512	P1= 1	0.0	-2205.16	-10669.64	374.57	2.19	22.83	290.13	-9.97	-5.09		.28	.28	.508
		1.1	-2205.92	-10556.97	344.72	2.19	22.96	290.13	-9.97	-4.94		.28	.29	.503
		2.3	-2206.65	-10242.62	314.86	2.19	23.08	290.13	-9.97	-4.79		.28	.28	.499
		3.4	-2207.39	-9920.60	285.01	2.19	23.20	290.13	-9.98	-4.64		.28	.28	.494
		4.6	-2208.12	-9600.90	255.16	2.19	23.32	290.13	-9.98	-4.50		.28	.28	.490
501= 502	105= 1	0.0	-52.29	451.00	883.95	3.25	-3.46	-227.25	-1.73	-8.88		1.33	1.33	.547
		3.8	-52.29	301.82	684.74	5.52	-5.10	-227.25	-1.73	-6.70		1.44	1.44	.278
		7.6	-52.29	169.07	362.24	7.79	-2.74	-227.25	-1.73	-3.74		1.56	1.56	.185
		11.4	-52.29	55.20	-23.54	10.06	-2.36	-227.25	-1.73	-.52		1.70	1.70	.083
		15.1	-52.29	-45.37	-532.41	12.34	-1.98	-227.25	-1.73	-4.79		1.85	1.85	.218

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
501- 504	165- 1	0.0	-270.20	-743.49	847.66	3.71	2.64	-163.54	-8.95	-10.10		1.03	1.03	.631
		3.8	-270.19	-615.56	627.35	5.98	2.98	-163.54	-8.95	-7.87		1.18	1.18	.563
		7.6	-270.19	-472.48	303.67	8.26	3.31	-163.54	-8.95	-5.03		1.32	1.32	.482
		11.4	-270.19	-315.10	-123.39	10.53	3.61	-163.54	-8.95	-3.03		1.47	1.47	.426
		15.2	-270.19	-144.29	-653.82	12.80	3.90	-163.54	-8.95	-5.99		1.62	1.62	.511
501- 601	JL5- 1	0.0	-220.80	3689.89	22672.88	136.65	-1.09	301.10	-1.54	-14.43		2.04	2.04	.511
		1.5	-221.44	3672.66	20169.96	135.53	-.80	301.10	-1.55	-12.88		1.99	1.99	.462
		3.0	-222.07	3660.79	17726.68	132.51	-.50	301.10	-1.55	-11.37		1.95	1.95	.414
		4.6	-222.71	3654.26	15341.15	129.19	-.21	301.10	-1.56	-9.91		1.90	1.90	.368
		6.1	-223.34	3653.04	13011.60	126.18	.08	301.10	-1.56	-8.49		1.86	1.86	.324
501- 642	200- 1	0.0	264.66	905.90	-1046.46	-13.66	-8.60	-205.95	6.96	7.75		1.43	1.43	.487
		5.1	264.68	440.54	-515.65	-10.24	-6.74	-205.95	6.96	3.03		1.22	1.22	.338
		10.1	264.72	85.09	202.08	-6.84	-4.97	-205.95	6.96	1.23		1.02	1.02	.281
		15.2	264.77	-164.77	520.17	-3.66	-3.27	-205.95	6.96	3.05		.83	.83	.339
		20.2	264.82	-315.50	851.09	-.69	-1.63	-205.95	6.96	4.84		.67	.67	.370
502- 503	165- 1	0.0	-30.64	28.47	-165.10	-3.80	-3.10	108.37	-1.02	-1.50		.81	.81	.086
		3.8	-30.64	-105.72	-43.72	-1.54	-2.71	108.37	-1.02	-1.01		.69	.69	.071
		7.6	-30.64	-216.17	-24.77	.70	-2.32	108.37	-1.02	-1.97		.65	.65	.101
		11.4	-30.64	-314.89	-107.39	2.93	-1.93	108.37	-1.02	-2.98		.72	.72	.133
		15.1	-30.64	-393.69	-290.70	5.13	-1.54	108.37	-1.02	-4.38		.84	.84	.177
502- 504	125- 1	0.0	6.44	-114.47	-143.96	-1.23	.61	101.33	.33	3.24		1.04	1.04	.114
		3.8	6.44	-60.78	-87.88	-1.23	.87	101.33	.33	2.10		1.05	1.05	.078
		7.6	6.44	-36.07	-51.51	-1.23	1.10	101.33	.33	.85		1.07	1.07	.038
		11.4	6.44	18.79	24.27	-1.23	1.31	101.33	.33	.54		1.08	1.08	.029
		15.1	6.44	82.94	80.34	-1.23	1.51	101.33	.33	2.04		1.10	1.10	.076
502- 505	125- 1	0.0	-26.95	-182.59	-223.55	-4.49	.51	-55.39	-1.40	-5.09		.96	.96	.215
		3.8	-26.94	-153.57	-61.09	-2.66	.77	-55.39	-1.40	-2.91		.78	.78	.146
		7.6	-26.94	-112.70	18.51	-.84	1.02	-55.39	-1.40	-2.01		.63	.63	.117
		11.4	-26.95	-61.02	15.62	.97	1.26	-55.39	-1.40	-1.11		.65	.65	.089
		15.1	-26.96	1.25	-69.40	2.77	1.48	-55.39	-1.40	-1.22		.82	.82	.092
503- 505	165- 1	0.0	181.77	-903.14	203.11	2.21	3.94	23.21	6.02	8.29		.40	.40	.472
		3.8	181.77	-715.23	102.72	2.21	4.35	23.21	6.02	6.47		.43	.43	.414
		7.6	181.77	-510.02	2.33	2.21	4.70	23.21	6.02	4.57		.45	.45	.354
		11.4	181.77	-287.93	-98.05	2.21	5.07	23.21	6.02	2.72		.47	.47	.296
		15.2	181.77	-49.40	-198.44	2.21	5.42	23.21	6.02	1.83		.49	.49	.268
503- 603	JL5- 1	0.0	-1391.38	8962.75	-12490.84	-84.02	-59.79	-169.81	-9.73	-9.66		1.50	1.50	.644
		1.5	-1392.02	7897.09	-10970.86	-82.60	-57.05	-169.81	-9.74	-8.49		1.46	1.46	.608
		3.0	-1392.65	6880.95	-9476.38	-81.23	-54.36	-169.81	-9.74	-7.36		1.42	1.42	.572
		4.6	-1393.28	5912.76	-8006.54	-79.90	-51.76	-169.81	-9.75	-6.25		1.39	1.39	.537
		6.1	-1393.91	4991.10	-6560.52	-78.62	-49.27	-169.81	-9.75	-5.18		1.35	1.35	.503

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6 DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
503- 645	200- 1	0.0	-558.51	-1497.89	-141.95	-1.22	11.06	-16.13	-14.68	-8.42		.63	.63	.791
		5.1	-558.49	-875.04	-75.04	-.98	9.15	-16.13	-14.68	-4.97		.53	.53	.693
		10.1	-558.46	-345.65	-22.93	-.74	7.29	-16.13	-14.68	-2.16		.43	.43	.612
		15.2	-558.41	2.33	14.84	-.50	5.49	-16.13	-14.68	-.08		.34	.34	.553
		20.2	-558.36	255.51	37.90	-.26	3.78	-16.13	-14.68	-1.60		.24	.24	.596
504- 505	165- 1	0.0	19.43	156.81	-84.83	-3.55	-.86	-29.75	1.01	3.17		.62	.62	.136
		5.4	19.43	122.00	22.01	-1.53	-.67	-29.75	1.01	2.19		.44	.44	.104
		7.5	19.43	95.25	50.34	.28	-.47	-29.75	1.01	1.92		.32	.32	.096
		11.4	19.43	79.77	-3.86	2.10	-.26	-29.75	1.01	1.41		.48	.48	.080
		15.1	19.43	73.01	-140.56	3.92	-.04	-29.75	1.01	2.79		.67	.67	.124
504- 506	165- 1	0.0	-281.86	-243.10	-484.85	-8.70	6.26	109.59	-9.30	-4.85		1.20	1.20	.492
		5.4	-281.86	47.81	-141.10	-6.43	6.53	109.59	-9.30	-1.33		1.10	1.10	.393
		7.6	-281.85	359.03	49.94	-4.18	6.76	109.59	-9.30	-3.26		1.02	1.02	.446
		11.4	-281.84	693.29	238.74	-1.94	7.01	109.59	-9.30	-6.31		.97	.97	.531
		15.1	-281.83	986.55	276.01	.29	7.22	109.59	-9.30	-9.17		.97	.97	.614
505- 506	165- 1	0.0	152.77	-159.00	-408.41	-4.97	6.87	-53.99	5.06	3.92		.80	.80	.300
		5.4	152.77	160.08	-182.50	-4.97	7.20	-53.99	5.06	2.18		.82	.82	.245
		7.6	152.77	495.05	43.40	-4.97	7.50	-53.99	5.06	4.45		.84	.84	.317
		11.4	152.77	841.75	269.31	-4.97	7.76	-53.99	5.06	7.91		.85	.85	.427
		15.1	152.77	1199.35	495.22	-4.97	7.96	-53.99	5.06	11.62		.86	.86	.544
506- 606	365- 1	0.0	1775.97	-8242.91	-2057.63	-17.01	53.82	379.50	12.42	5.34		.91	.91	.601
		1.5	1775.33	-7286.46	-1763.61	-15.24	51.05	379.50	12.42	4.71		.86	.86	.581
		3.0	1774.69	-6379.81	-1501.34	-13.52	48.36	379.50	12.42	4.12		.82	.82	.562
		4.6	1774.05	-5521.29	-1269.85	-11.86	45.77	379.50	12.41	3.56		.78	.78	.545
		6.1	1773.42	-4709.36	-1068.18	-10.26	43.26	379.50	12.41	3.03		.74	.74	.528
506- 644	200- 1	0.0	390.37	1036.57	1554.80	16.97	-7.68	152.49	10.26	10.46		1.41	1.41	.688
		5.1	390.40	612.66	841.40	13.15	-6.26	152.49	10.26	4.96		1.19	1.19	.514
		10.1	390.41	273.88	-46.32	9.53	-4.89	152.49	10.26	1.55		.99	.99	.406
		15.2	390.42	18.41	-519.94	6.09	-3.53	152.49	10.26	2.91		.80	.80	.449
		20.2	390.43	-155.70	-789.61	2.82	-2.22	152.49	10.26	4.50		.62	.62	.500
510- 710	91- 1	.0	-93.44	4849.76	-11103.95	-19.23	-14.39	1252.33	-.42	-5.67		.51	.51	.195
		5.5	-97.93	3781.51	-9541.71	-19.23	-13.71	1252.33	-.44	-4.84		.51	.51	.170
		12.7	-102.92	2765.06	-8179.47	-19.23	-13.03	1252.33	-.46	-4.04		.50	.50	.145
		19.9	-108.11	1800.40	-6717.24	-19.23	-12.35	1252.33	-.48	-3.25		.50	.50	.121
		25.5	-112.19	987.53	-5255.00	-19.23	-11.67	1252.33	-.50	-2.49		.50	.50	.097
511- 711	91- 1	.1	183.45	9105.18	-1818.47	.64	-48.19	-305.03	-8.38	4.33		.51	.51	.429
		5.5	183.50	5960.09	-1805.18	.64	-47.51	-305.03	8.36	2.68		.50	.50	.376
		12.7	183.57	1879.97	-1791.86	.64	-46.83	-305.03	8.34	1.20		.49	.49	.328
		19.9	183.63	-1054.41	-1818.55	.64	-46.15	-305.03	8.33	1.15		.49	.49	.326
		25.5	183.68	-5134.02	-1865.24	.64	-45.47	-305.03	8.31	2.56		.48	.48	.370

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6 — DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP A.D SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
512- 712	P1- 1	0.0	-2208.02	-9608.90	254.38	2.19	43.17	457.71	-9.98	-4.50		.50	.50	.490
		0.5	-2212.11	-8300.74	85.17	2.19	43.85	457.71	-10.00	-2.95		.50	.50	.448
		12.7	-2218.20	-2940.74	-78.05	2.19	44.53	457.71	-10.02	-1.38		.51	.51	.405
		19.0	-2220.24	471.11	-244.26	2.19	45.21	457.71	-10.03	-.25		.52	.52	.375
		25.3	-2224.38	3934.79	-410.47	2.19	45.89	457.71	-10.05	-1.85		.52	.52	.419
601- 641	JL6- 1	0.0	-235.05	3426.62	12552.71	103.94	-9.62	1083.96	-1.64	-8.17		1.80	1.80	.316
		1.5	-235.49	3253.48	10682.69	101.01	-9.35	1083.96	-1.65	-7.02		1.76	1.76	.280
		3.0	-236.33	3085.32	8865.52	98.15	-9.08	1083.96	-1.65	-5.90		1.72	1.72	.245
		4.6	-236.96	2922.12	7049.78	95.37	-8.81	1083.96	-1.66	-4.82		1.68	1.68	.211
		6.1	-237.80	2783.75	5384.11	92.67	-8.55	1083.96	-1.66	-3.80		1.64	1.64	.179
603- 643	JL6- 1	0.0	-1400.06	7854.61	-8431.58	-62.66	-50.05	-429.19	-9.79	-5.06		1.26	1.26	.501
		1.5	-1400.69	5993.71	-5299.48	-61.41	-47.62	-429.19	-9.80	-4.16		1.22	1.22	.473
		3.0	-1401.33	3116.47	-4190.03	-60.18	-45.24	-429.19	-9.80	-3.28		1.19	1.19	.445
		4.6	-1401.96	2311.90	-3102.61	-58.99	-42.94	-429.19	-9.81	-2.43		1.16	1.16	.418
		6.1	-1402.59	1548.77	-2036.48	-57.85	-40.71	-429.19	-9.81	-1.61		1.12	1.12	.392
606- 646	JL6- 1	0.0	1773.55	-4709.36	-1069.41	-10.26	37.51	376.04	12.41	3.03		.66	.66	.528
		1.5	1772.92	-4047.08	-896.52	-8.89	35.07	376.04	12.40	2.60		.62	.62	.514
		3.0	1772.29	-3428.74	-751.81	-7.17	32.69	376.04	12.40	2.21		.59	.59	.501
		4.6	1771.65	-2853.21	-634.59	-5.68	30.36	376.04	12.39	1.84		.55	.55	.490
		6.1	1771.02	-2319.22	-544.16	-4.24	28.15	376.04	12.39	1.50		.52	.52	.479
641- 651	JL6- 1	0.0	-237.80	2783.75	5384.11	92.67	-8.55	1083.96	-1.66	-3.80		1.64	1.64	.179
		1.5	-238.23	2611.59	3729.01	88.73	-8.13	1083.96	-1.67	-2.86		1.59	1.59	.149
		3.0	-238.86	2467.09	2144.77	84.90	-7.71	1083.96	-1.67	-2.05		1.53	1.53	.124
		4.6	-239.69	2330.18	629.39	81.18	-7.30	1083.96	-1.68	-1.52		1.48	1.48	.107
		6.1	-240.12	2220.72	-818.85	77.56	-6.89	1083.96	-1.68	-1.48		1.43	1.43	.106
642- 703	200- 1	0.0	264.82	-513.26	651.08	-.65	-1.59	-206.03	6.96	4.04		.67	.67	.370
		5.5	264.86	-341.43	541.38	3.93	.71	-206.03	6.96	3.58		.79	.79	.356
		11.0	264.88	-222.66	140.61	8.20	2.87	-206.03	6.96	1.47		1.03	1.03	.289
		16.4	264.92	33.79	-531.55	12.19	4.90	-206.03	6.96	2.98		1.27	1.27	.337
		21.9	264.96	419.14	-1457.45	15.92	6.78	-206.03	6.96	8.49		1.49	1.49	.511
643- 653	JL6- 1	0.0	-1402.59	1548.77	-2036.48	-57.85	-40.71	-429.19	-9.81	-1.61		1.12	1.12	.392
		1.5	-1403.23	834.10	-994.90	-56.30	-37.63	-429.19	-9.82	-.82		1.08	1.08	.368
		3.0	-1403.87	174.81	18.87	-54.80	-34.64	-429.19	-9.82	-.11		1.04	1.04	.348
		4.6	-1404.51	-430.64	1005.71	-53.35	-31.73	-429.19	-9.83	-.69		1.00	1.00	.364
		6.1	-1405.14	-985.85	1966.50	-51.95	-28.92	-429.19	-9.83	-1.38		.97	.97	.386
646- 701	200- 1	0.0	390.46	-155.62	-789.68	2.74	-2.34	152.21	10.26	4.50		.62	.62	.500
		5.5	390.50	-248.65	-804.96	-2.23	-.50	152.21	10.26	4.71		.55	.55	.507
		11.0	390.54	-223.17	-501.61	-6.94	1.26	152.21	10.27	3.07		.80	.80	.455
		16.5	390.57	-84.40	102.86	-11.34	2.94	152.21	10.27	.74		1.04	1.04	.381
		21.9	390.61	161.43	990.94	-15.56	4.52	152.21	10.27	5.62		1.28	1.28	.535

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
645= 706 205= 1		0.0	-554.36	243.52	37.84	-.43	3.71	-16.23	-14.68	-1.60		.24	.24	.601
		5.5	-554.34	432.11	54.59	-.09	.83	-16.23	-14.68	-2.44		.09	.09	.625
		11.0	-554.31	395.38	50.45	.21	-1.92	-16.23	-14.68	-2.23		.15	.15	.619
		16.4	-554.28	183.13	24.80	.51	-4.51	-16.23	-14.67	-1.04		.28	.28	.585
		21.9	-554.25	-144.47	-14.34	.80	-6.94	-16.23	-14.67	-1.09		.41	.41	.586
646= 656 JL6= 1		0.0	1770.97	-2319.22	-543.55	-4.24	51.02	376.92	12.39	1.50		.56	.56	.479
		1.5	1770.34	-1746.76	-406.61	-2.01	27.57	376.92	12.38	1.16		.51	.51	.468
		3.0	1769.70	-1312.30	-469.76	.16	24.22	376.92	12.38	.88		.46	.46	.459
		4.6	1769.07	-900.23	-492.04	2.28	20.96	376.92	12.38	.64		.41	.41	.451
		6.1	1768.44	-546.92	-552.48	4.34	17.79	376.92	12.37	.49		.37	.37	.446
651= 701 JL6= 1		0.0	-250.31	2192.48	-199.93	30.28	-19.94	2013.78	-1.75	-1.38		1.14	1.14	.105
		1.4	-251.05	1772.93	-500.39	26.15	-19.46	2013.78	-1.76	-1.22		1.09	1.09	.100
		3.5	-251.79	1363.10	-1314.29	22.15	-19.02	2013.78	-1.76	-1.19		1.04	1.04	.100
		5.3	-252.53	962.65	-1744.19	18.26	-18.58	2013.78	-1.77	-1.25		1.00	1.00	.102
		7.1	-253.27	571.47	-2092.75	14.50	-18.14	2013.78	-1.77	-1.36		.96	.96	.105
653= 703 JL6= 1		0.0	-1489.45	-1059.66	2019.01	-19.94	-17.67	-672.58	-10.42	-1.43		.58	.58	.408
		1.8	-1490.19	-1401.72	2428.60	-16.34	-14.88	-672.58	-10.43	-1.76		.54	.54	.419
		3.5	-1490.94	-1677.03	2801.04	-16.63	-11.40	-672.58	-10.43	-2.05		.50	.50	.428
		5.3	-1491.68	-1847.77	3143.47	-15.35	-8.41	-672.58	-10.44	-2.30		.46	.46	.436
		7.1	-1492.42	-2035.93	3454.95	-13.92	-5.51	-672.58	-10.44	-2.52		.42	.42	.443
656= 706 JL6= 1		0.0	1768.45	-546.92	-552.65	4.34	16.97	376.66	12.37	.49		.36	.36	.446
		1.8	1767.70	-224.22	-670.05	6.68	13.36	376.66	12.37	.44		.33	.33	.445
		3.5	1766.96	22.80	-836.76	8.97	9.86	376.66	12.36	.53		.30	.30	.447
		5.3	1766.21	196.28	-1051.44	11.19	6.46	376.66	12.36	.67		.30	.30	.451
		7.1	1765.47	298.49	-1312.76	13.35	3.16	376.66	12.35	.85		.31	.31	.457
701= 702 157= 1		0.0	60.43	137.60	68.06	-2.61	-1.18	-.65	4.15	3.73		.40	.40	.262
		4.7	60.43	73.15	172.79	-.40	-1.11	-.65	4.15	4.28		.17	.17	.280
		9.4	60.43	12.59	132.80	1.82	-1.04	-.65	4.15	3.04		.29	.29	.241
		14.1	60.43	-43.22	-32.57	4.06	-.95	-.65	4.15	1.24		.58	.58	.183
		18.8	60.43	-93.62	-323.97	6.30	-.84	-.65	4.15	7.70		.88	.88	.348
701= 704 157= 1		0.0	-38.01	62.07	89.87	-2.62	-.75	-19.75	-2.61	-2.49		.60	.60	.209
		4.7	-38.03	21.40	174.65	-.40	-.69	-19.75	-2.61	-4.02		.33	.33	.257
		9.4	-38.03	-15.84	134.86	1.81	-.63	-19.75	-2.61	-3.10		.49	.49	.228
		14.1	-38.04	-49.66	-28.54	4.00	-.57	-19.75	-2.61	-1.31		.78	.78	.171
		18.8	-38.03	-80.03	-314.67	6.17	-.51	-19.75	-2.61	-7.41		1.07	1.07	.364
701= 801 JL7= 1		0.0	137.21	556.27	-1805.48	22.92	-4.39	559.69	1.94	2.40		1.02	1.02	.144
		6.6	135.85	259.24	-3120.11	10.54	-3.14	559.69	1.92	3.98		.67	.67	.193
		13.2	134.50	57.02	-3503.76	-.06	-1.99	559.69	1.90	4.46		.42	.42	.207
		19.8	133.15	-58.52	-3041.08	-10.89	-.95	559.69	1.88	3.87		.67	.67	.188
		26.4	131.78	-95.23	-1805.12	-20.23	.00	559.69	1.86	2.30		.93	.93	.138

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
701- 806 200-	1	0.0	-266.59	-323.16	-894.90	-14.00	4.06	2.53	-7.53	-5.32		.77	.77	.516
		12.2	-266.50	120.76	553.41	-5.90	2.01	2.53	-7.53	-3.17		.33	.33	.445
		24.4	-266.42	272.55	869.63	1.45	.09	2.53	-7.53	-5.10		.08	.08	.508
		36.6	-266.33	157.21	165.65	8.03	-1.64	2.53	-7.53	-1.28		.44	.44	.383
		48.8	-266.26	-205.59	-1453.36	13.97	-3.32	2.53	-7.52	-8.21		.76	.76	.610
702- 703 137-	1	0.0	71.11	-89.36	-178.88	-4.06	.39	2.37	4.88	4.56		.67	.67	.314
		4.7	71.11	-54.32	20.29	-2.42	.50	2.37	4.88	1.54		.37	.37	.218
		9.4	71.11	-33.20	94.06	-.21	.61	2.37	4.88	2.28		.11	.11	.242
		14.1	71.11	3.98	43.81	1.99	.71	2.37	4.88	1.00		.32	.32	.202
		18.8	71.11	47.24	-129.19	4.16	.82	2.37	4.88	3.14		.61	.61	.269
702- 704 127-	1	0.0	-.32	1.03	6.57	.04	-.58	5.81	-.03	-.22		.19	.19	.068
		4.7	-.32	-21.18	4.22	.04	-.21	5.81	-.03	-.72		.13	.13	.024
		9.4	-.32	-23.59	1.86	.04	.13	5.81	-.03	-.79		.12	.12	.026
		14.1	-.32	-7.51	-.49	.04	.44	5.81	-.03	-.25		.17	.17	.009
		18.8	-.32	25.72	-2.85	.04	.73	5.81	-.03	-.87		.22	.22	.026
702- 705 127-	1	0.0	-14.71	-.23	-151.66	-4.06	-.66	-1.61	-1.24	-5.07		.72	.72	.211
		4.7	-14.72	-26.72	22.01	-2.11	-.29	-1.61	-1.24	-1.16		.38	.38	.087
		9.4	-14.73	-32.75	85.64	-.15	.07	-1.61	-1.24	-3.07		.06	.06	.147
		14.1	-14.74	-18.97	39.22	1.80	.42	-1.61	-1.24	-1.46		.34	.34	.097
		18.8	-14.74	13.98	-117.23	3.76	.75	-1.61	-1.24	-3.95		.67	.67	.175
703- 705 137-	1	0.0	-14.34	19.07	-105.54	-1.03	-.63	3.12	-.98	-2.45		.20	.20	.126
		4.7	-14.34	-13.54	-47.79	-1.03	-.53	3.12	-.98	-1.13		.19	.19	.095
		9.4	-14.34	-40.55	9.96	-1.03	-.44	3.12	-.98	-.95		.19	.19	.079
		14.1	-14.34	-62.57	67.71	-1.03	-.36	3.12	-.98	-2.10		.18	.18	.116
		18.8	-14.34	-80.72	125.45	-1.03	-.29	3.12	-.98	-3.40		.18	.18	.157
703- 801 200-	1	0.0	-266.22	-530.47	1436.88	17.02	3.62	6.53	-6.84	-9.63		.93	.93	.619
		12.2	-266.16	-92.69	-243.22	6.76	2.36	6.53	-6.84	-1.46		.50	.50	.357
		24.4	-266.07	162.46	-959.42	1.13	1.12	6.53	-6.84	-5.45		.10	.10	.484
		36.6	-266.00	235.13	-605.35	-5.86	-.13	6.53	-6.83	-3.63		.33	.33	.426
		48.8	-259.93	129.77	730.29	-12.28	-1.29	6.53	-6.83	-4.15		.67	.67	.443
703- 803 JL7-	1	0.0	-1192.27	-2086.40	2784.71	-2.72	-11.60	434.35	-16.87	-4.43		.61	.61	.738
		6.6	-1193.63	-2626.09	2804.93	2.01	-2.18	434.35	-16.89	-4.89		.36	.36	.752
		13.2	-1195.01	-2461.01	2480.84	6.21	6.20	434.35	-16.91	-4.44		.52	.52	.740
		19.8	-1196.38	-1666.45	1837.75	9.99	13.71	434.35	-16.93	-3.16		.76	.76	.705
		26.4	-1197.73	-313.84	911.13	13.38	20.43	434.35	-16.94	-1.23		.97	.97	.652
704- 705 127-	1	0.0	14.90	21.99	-160.37	-4.14	-.65	-3.64	1.25	5.41		.77	.77	.215
		4.7	14.90	-6.65	17.40	-2.17	-.36	-3.64	1.25	.62		.43	.43	.043
		9.4	14.90	-18.80	84.32	-.20	-.07	-3.64	1.25	2.89		.10	.10	.135
		14.1	14.90	-13.80	40.38	1.77	.25	-3.64	1.25	1.43		.36	.36	.089
		18.8	14.90	9.02	-114.43	3.74	.57	-3.64	1.25	3.84		.70	.70	.165

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
704- 706	137- 1	0.0	-49.19	-80.05	-157.15	-4.35	.88	26.27	-3.37	-4.02		.91	.91	.282
		4.7	-49.19	-29.20	27.21	-2.20	.93	26.27	-3.37	-.91		.63	.63	.195
		9.4	-49.19	23.77	91.32	-.08	.95	26.27	-3.37	-2.15		.43	.43	.228
		14.1	-49.19	77.53	36.66	2.02	.95	26.27	-3.37	-1.96		.61	.61	.227
		18.8	-49.19	130.76	-135.30	4.09	.93	26.27	-3.37	-4.29		.88	.88	.293
705- 706	137- 1	0.0	-35.64	-82.60	-106.20	-.89	1.05	-15.74	-2.44	-3.07		.37	.37	.219
		4.7	-35.64	-23.23	-54.08	-.89	1.09	-15.74	-2.44	-1.39		.37	.37	.166
		9.4	-35.64	34.68	-5.96	-.89	1.14	-15.74	-2.44	-.92		.38	.38	.151
		14.1	-35.64	104.69	44.16	-.89	1.18	-15.74	-2.44	-2.59		.38	.38	.204
		18.8	-35.64	169.82	94.28	-.89	1.15	-15.74	-2.44	-4.43		.38	.38	.262
705- 803	200- 1	0.0	507.08	1291.50	-268.25	-1.52	-12.11	23.40	13.33	7.38		.71	.71	.698
		12.2	507.12	-73.56	-61.73	-1.04	-6.57	23.40	13.33	.62		.41	.41	.493
		24.4	507.19	-643.16	37.85	-.60	-1.27	23.40	13.33	3.61		.14	.14	.578
		36.6	507.27	-466.33	95.35	-.19	3.61	23.40	13.33	2.66		.26	.26	.548
		48.8	507.33	381.54	95.42	.18	7.86	23.40	13.34	2.20		.48	.48	.534
706- 806	3L7- 1	0.0	1140.63	1565.50	-705.21	-19.07	15.63	117.49	16.19	2.21		.77	.77	.634
		6.6	1143.27	2357.52	459.80	-12.02	4.63	117.49	16.17	3.05		.44	.44	.660
		13.2	1141.91	2321.69	1151.61	-5.58	-5.38	117.49	16.15	3.30		.29	.29	.667
		19.8	1140.55	1527.03	1355.86	.33	-14.60	117.49	16.14	2.60		.49	.49	.644
		26.4	1139.20	35.18	1112.45	5.76	-23.07	117.49	16.12	1.41		.75	.75	.606
710- 810	P2- 1	0.0	-110.14	878.25	-5257.49	-19.29	-1.96	1446.90	-.44	-2.22		.46	.46	.086
		6.6	-114.97	755.28	-3732.24	-19.29	-1.16	1446.90	-.46	-1.59		.46	.46	.067
		13.2	-119.80	691.98	-2206.99	-19.29	-.37	1446.90	-.48	-.96		.46	.46	.048
		19.8	-124.63	694.31	-681.74	-19.29	.43	1446.90	-.50	-.41		.46	.46	.031
		26.4	-129.46	760.28	843.52	-19.29	1.24	1446.90	-.52	-.47		.46	.46	.034
711- 811	P2- 1	0.0	1838.47	-5134.41	-1900.52	.40	-8.34	965.90	7.32	2.28		.27	.27	.327
		6.6	1833.64	-5741.79	-1932.49	.40	-7.53	965.90	7.30	2.53		.26	.26	.334
		13.2	1828.81	-6325.55	-1964.47	.40	-6.73	965.90	7.28	2.76		.25	.25	.341
		19.8	1823.98	-6825.64	-1996.45	.40	-5.92	965.90	7.26	2.96		.25	.25	.346
		26.4	1819.15	-7262.10	-2028.43	.40	-5.12	965.90	7.24	3.14		.24	.24	.351
712- 812	P2- 1	0.0	-2224.53	3934.79	-410.97	2.19	7.60	611.19	-8.85	-1.65		.19	.19	.371
		6.6	-2224.36	4567.75	-583.82	2.19	8.41	611.19	-8.87	-1.92		.20	.20	.379
		13.2	-2234.19	5264.27	-756.67	2.19	9.21	611.19	-8.89	-2.22		.20	.20	.386
		19.8	-2239.02	6024.41	-929.53	2.19	10.02	611.19	-8.91	-2.54		.21	.21	.397
		26.4	-2243.85	6848.15	-1102.38	2.19	10.82	611.19	-8.93	-2.89		.22	.22	.408
801- 802	165- 1	0.0	16.15	140.92	120.56	-2.00	-.94	-3.76	1.11	4.23		.35	.35	.173
		5.6	16.15	74.78	194.51	-.19	-.87	-3.76	1.11	4.80		.17	.17	.190
		11.3	16.15	23.58	146.86	1.61	-.80	-3.76	1.11	3.39		.29	.29	.146
		16.9	16.15	-27.68	-22.40	3.41	-.72	-3.76	1.11	.81		.52	.52	.064
		22.5	16.15	-74.00	-313.27	5.21	-.65	-3.76	1.11	7.35		.76	.76	.271

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
501= 804	100= 1	0.0	-64.13	27.85	121.35	-1.96	-.48	-30.46	-4.40	-2.84		.62	.62	.333
		5.6	-64.13	-2.13	192.15	-.14	-.41	-30.46	-4.40	-4.39		.41	.41	.377
		11.3	-64.12	-28.11	140.38	1.67	-.36	-30.46	-4.40	-3.27		.58	.58	.345
		16.9	-64.11	-51.06	-33.98	3.49	-.32	-30.46	-4.40	-1.40		.83	.83	.297
		22.5	-64.10	-71.92	-330.92	5.30	-.30	-30.46	-4.40	-7.73		1.08	1.08	.474
801= 901	JL0= 1	0.0	-129.15	782.12	-2053.01	3.58	-7.06	267.47	-1.83	-2.79		.39	.39	.155
		5.6	-130.57	239.58	-1976.91	-5.51	-6.17	267.47	-1.85	-2.53		.40	.40	.148
		13.7	-131.95	-235.35	-1200.84	-13.49	-5.36	267.47	-1.87	-1.56		.58	.58	.117
		20.5	-133.36	-644.23	222.05	-21.07	-4.66	267.47	-1.89	-.87		.78	.78	.096
		27.4	-134.77	-1000.52	2247.76	-28.19	-4.03	267.47	-1.91	-3.13		.98	.98	.169
801= 903	200= 1	0.0	229.93	678.05	-518.76	-10.20	-5.29	-20.35	6.02	4.78		.66	.66	.361
		14.0	229.02	1.31	648.16	-3.80	-2.81	-20.35	6.02	3.63		.31	.31	.324
		28.0	229.16	-275.83	786.71	2.05	-.53	-20.35	6.02	4.67		.17	.17	.357
		41.9	229.30	-191.68	-4.92	7.29	1.50	-20.35	6.03	1.07		.45	.45	.244
		55.9	229.42	212.34	-1624.81	11.98	3.26	-20.35	6.03	9.19		.71	.71	.501
802= 803	100= 1	0.0	25.64	-74.89	-147.71	-3.50	.30	15.24	1.76	3.78		.66	.66	.181
		5.6	25.64	-52.42	27.97	-1.71	.37	15.24	1.76	1.36		.41	.41	.104
		11.3	25.64	-25.02	82.99	.07	.44	15.24	1.76	1.98		.24	.24	.124
		16.9	25.64	7.55	18.30	1.84	.52	15.24	1.76	.45		.44	.44	.075
		22.5	25.64	44.62	-165.14	3.59	.59	15.24	1.76	3.90		.67	.67	.185
802= 804	100= 1	0.0	.55	-8.20	-1.06	.02	-.42	11.26	.05	.28		.26	.26	.010
		5.6	.55	-27.04	-2.58	.02	-.14	11.26	.05	.91		.21	.21	.030
		11.3	.55	-27.81	-4.10	.02	.12	11.26	.05	.94		.21	.21	.031
		16.9	.55	-11.47	-5.62	.02	.36	11.26	.05	.43		.25	.25	.015
		22.5	.55	21.03	-7.14	.02	.60	11.26	.05	.74		.29	.29	.025
802= 805	100= 1	0.0	-12.58	-2.16	-164.50	-3.39	-.53	-8.79	-1.06	-5.50		.72	.72	.219
		5.6	-12.58	-20.34	11.48	-1.82	-.25	-8.79	-1.06	-1.02		.46	.46	.078
		11.3	-12.58	-35.50	80.97	-.24	.03	-8.79	-1.06	-2.96		.19	.19	.139
		16.9	-12.57	-23.64	43.16	1.36	.32	-8.79	-1.06	-1.65		.38	.38	.097
		22.5	-12.55	7.22	-102.78	2.97	.60	-8.79	-1.05	-3.45		.66	.66	.154
803= 805	100= 1	0.0	53.90	-32.35	-53.88	-.50	-.33	12.40	3.70	1.43		.22	.22	.174
		5.6	53.90	-52.16	-20.33	-.50	-.26	12.40	3.70	1.28		.22	.22	.169
		11.3	53.90	-67.03	13.22	-.50	-.18	12.40	3.70	1.56		.21	.21	.178
		16.9	53.90	-76.95	46.77	-.50	-.11	12.40	3.70	2.06		.21	.21	.194
		22.5	53.90	-81.94	80.32	-.50	-.04	12.40	3.70	2.62		.21	.21	.212
803= 903	JL0= 1	0.0	-690.06	-918.62	1459.71	5.66	-8.73	305.49	-9.76	-2.19		.49	.49	.417
		6.8	-691.45	-1373.75	862.58	8.82	-2.46	305.49	-9.78	-2.06		.45	.45	.414
		13.7	-692.85	-1339.08	20.10	11.66	3.21	305.49	-9.80	-1.70		.54	.54	.405
		20.5	-694.26	-861.96	-1045.40	14.26	8.32	305.49	-9.82	-1.72		.66	.66	.406
		27.4	-695.70	16.03	-2315.42	16.64	12.98	305.49	-9.84	-2.94		.79	.79	.441

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6 — DATE 08/27/76

U.S. NAVY - ACAR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
803- 906	200- 1	0.0	-471.49	-1139.45	-103.86	-.66	7.25	27.58	-12.40	-6.40		.46	.46	.880
		14.0	-471.78	-158.38	-18.16	-.36	4.44	27.58	-12.40	-.89		.31	.31	.639
		28.0	-471.86	351.58	18.03	-.07	1.63	27.58	-12.40	-1.97		.16	.16	.686
		41.9	-471.55	349.91	4.71	.23	-1.17	27.58	-12.40	-2.18		.14	.14	.695
		55.9	-471.47	-36.98	-58.11	.52	-3.90	27.58	-12.39	-.39		.28	.28	.617
804- 805	100- 1	0.0	12.07	33.20	-152.27	-3.40	-.55	-3.21	1.01	5.21		.43	.63	.200
		5.6	12.07	3.86	22.55	-1.77	-.32	-3.21	1.01	.77		.36	.36	.059
		11.3	12.07	-9.33	87.07	-.14	-.07	-3.21	1.01	2.93		.08	.08	.128
		16.9	12.07	-5.39	41.28	1.49	.19	-3.21	1.01	1.39		.31	.31	.079
		22.5	12.07	16.61	-114.61	3.13	.46	-3.21	1.01	3.88		.58	.58	.158
804- [illegible]	100- 1	0.0	-72.79	-44.97	-185.79	-3.68	.65	23.69	-4.99	-4.66		.81	.81	.425
		5.6	-72.78	-27.18	14.97	-2.08	.86	23.69	-4.99	-.71		.58	.58	.310
		11.3	-72.78	31.74	95.31	-.51	.88	23.69	-4.99	-2.29		.40	.40	.353
		16.9	-72.77	91.61	57.35	1.43	.90	23.69	-4.99	-2.47		.50	.50	.369
		22.5	-72.77	153.01	-96.79	3.13	.91	23.69	-4.99	-4.13		.72	.72	.425
805- 806	100- 1	0.0	36.32	-97.03	-137.27	-.96	1.02	-10.98	2.49	3.84		.32	.32	.208
		5.6	36.32	-25.73	-72.18	-.96	1.08	-10.98	2.49	1.75		.32	.32	.142
		11.3	36.32	46.67	-7.09	-.96	1.11	-10.98	2.49	1.12		.33	.33	.122
		16.9	36.32	124.50	58.01	-.96	1.13	-10.98	2.49	3.13		.33	.33	.186
		22.5	36.32	201.47	123.10	-.96	1.15	-10.98	2.49	5.39		.33	.33	.257
806- 901	200- 1	0.0	265.78	712.44	1414.59	13.37	-4.77	50.18	6.99	8.86		.89	.89	.524
		14.0	265.79	83.04	-270.72	6.79	-2.75	50.18	6.99	1.59		.53	.53	.293
		28.0	265.83	-215.37	-863.89	.59	-.83	50.18	6.99	5.09		.19	.19	.404
		41.9	265.92	-209.29	-869.41	-5.23	.99	50.18	6.99	2.95		.42	.42	.337
		55.9	266.03	104.48	845.76	-10.63	2.81	50.18	6.99	4.79		.72	.72	.395
806- 906	JL8- 1	0.0	846.97	816.22	395.42	-9.75	12.59	874.41	11.98	1.15		1.01	1.01	.454
		5.8	845.56	1511.18	979.82	-8.52	8.44	874.41	11.96	2.29		.74	.74	.489
		13.7	844.16	1554.67	1144.00	.35	-3.18	874.41	11.94	2.46		.65	.65	.494
		20.5	842.76	1000.68	929.39	4.92	-10.36	874.41	11.92	1.74		.88	.88	.470
		27.4	841.35	-132.45	347.08	9.22	-17.18	874.41	11.90	.47		1.11	1.11	.429
811- 910	P2- 1	0.0	-129.51	756.82	846.80	-19.29	-9.44	[illegible]	-.52	-.47		.35	.35	.034
		5.8	-134.52	13.28	2031.09	-19.29	-8.88	849.76	-.54	-1.01		.35	.35	.052
		13.7	-139.54	-685.37	4015.38	-19.29	-7.82	849.76	-.55	-1.70		.35	.35	.074
		20.5	-144.55	-1271.34	5599.67	-19.29	-6.99	849.76	-.58	-2.39		.34	.34	.097
		27.4	-149.57	-1810.64	7183.96	-19.29	-6.15	849.76	-.60	-3.09		.34	.34	.120
811- 911	P2- 1	0.0	1819.40	-7254.54	-2019.86	.62	55.24	1125.41	7.24	3.14		.66	.66	.351
		5.8	1816.39	-2854.49	-2070.97	.62	54.12	1125.41	7.22	1.47		.67	.67	.298
		13.7	1809.37	1624.49	-2122.08	.62	54.96	1125.41	7.20	1.11		.67	.67	.286
		20.5	1804.36	6172.00	-2173.19	.62	55.80	1125.41	7.18	2.73		.68	.68	.336
		27.4	1799.34	10719.21	-2224.31	.62	56.64	1125.41	7.16	4.59		.69	.69	.394

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. = 5

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
912- 912	P2- 1	0.0	-2248.14	6648.15	-1110.21	2.19	-47.48	2186.58	-8.93	-2.89		.83	.83	.409
		6.8	-2247.15	2985.72	-1289.71	2.19	-46.64	2186.58	-8.95	-1.35		.83	.83	.367
		13.7	-2250.17	-812.07	-1469.22	2.19	-45.81	2186.58	-8.97	-.70		.82	.82	.350
		20.5	-2259.19	-4539.22	-1648.72	2.19	-44.97	2186.58	-8.99	-2.01		.81	.81	.387
		27.4	-2261.20	-8197.73	-1828.23	2.19	-44.13	2186.58	-9.01	-3.50		.81	.81	.429
901- 902	189- 1	0.0	-116.75	143.10	203.73	-1.78	-.81	-9.00	-5.51	-3.60		.25	.25	.457
		6.5	-116.75	82.30	276.44	-.05	-.72	-9.00	-5.51	-4.17		.13	.13	.465
		13.2	-116.75	28.83	213.15	1.66	-.63	-9.00	-5.51	-3.11		.23	.23	.431
		19.8	-116.75	-17.33	13.84	3.37	-.54	-9.00	-5.51	-.32		.39	.39	.351
		26.4	-116.75	-56.15	-321.46	5.09	-.44	-9.00	-5.51	-4.72		.55	.55	.479
901- 904	189- 1	0.0	-64.58	14.24	206.64	-1.62	-.45	-23.14	-3.24	-3.00		.33	.33	.285
		6.6	-64.67	-17.55	205.78	.12	-.36	-23.14	-3.24	-3.85		.20	.20	.309
		13.2	-64.67	-42.05	187.85	1.64	-.26	-23.14	-3.24	-2.79		.34	.34	.279
		19.8	-64.67	-59.23	-26.03	3.55	-.17	-23.14	-3.24	-.94		.50	.50	.230
		26.4	-64.69	-69.04	-370.72	5.25	-.08	-23.14	-3.24	-5.51		.66	.66	.356
901-1001	JL9- 1	0.0	3.14	-841.98	2246.28	18.20	1.88	67.75	.08	3.05		.56	.56	.098
		6.8	1.74	-660.69	1030.03	11.48	2.42	67.75	.02	1.56		.37	.37	.050
		13.7	.36	-486.70	350.05	5.18	2.87	67.75	.01	.72		.21	.21	.023
		20.5	-1.03	-195.57	159.67	-.32	3.23	67.75	-.01	-.32		.14	.14	.011
		27.4	-2.43	81.65	324.22	-5.14	3.50	67.75	-.03	-.43		.18	.18	.015
901-1002	160- 1	0.0	241.42	240.76	-27.12	-4.05	-2.97	-90.21	8.00	2.53		.74	.74	.358
		9.5	241.32	25.03	283.21	-1.44	-1.55	-90.21	7.99	2.55		.54	.54	.359
		18.9	241.19	-73.08	306.76	.99	-.21	-90.21	7.99	2.82		.47	.47	.367
		28.4	241.08	-26.36	69.72	3.09	.94	-90.21	7.99	.67		.62	.62	.299
		37.4	240.99	113.64	-346.48	4.00	1.43	-90.21	7.98	3.26		.69	.69	.381
901-1004	160- 1	0.0	-255.51	-139.29	-103.31	-4.40	1.90	-68.50	-8.50	-1.55		.62	.62	.433
		9.5	-255.61	10.16	250.67	-1.85	.81	-68.50	-8.50	-2.25		.44	.44	.456
		18.9	-255.73	47.97	321.05	.57	-.20	-68.50	-8.50	-2.91		.35	.35	.478
		28.4	-255.83	-25.62	132.76	2.65	-1.06	-68.50	-8.51	-1.21		.50	.50	.422
		37.4	-255.92	-171.57	-235.04	3.60	-1.41	-68.50	-8.51	-2.61		.56	.56	.469
902- 903	149- 1	0.0	-107.67	-51.55	-115.10	-2.67	-.10	20.57	-5.08	-1.82		.42	.42	.369
		6.6	-107.67	-55.45	44.75	-1.16	-.00	20.57	-5.08	-1.03		.26	.26	.349
		13.2	-107.67	-52.03	69.90	.53	.09	20.57	-5.08	-1.26		.20	.20	.354
		19.8	-107.67	-41.29	-58.35	2.20	.18	20.57	-5.08	-.82		.36	.36	.341
		26.4	-107.67	-23.22	-278.68	3.86	.27	20.57	-5.08	-4.05		.51	.51	.431
902- 904	149- 1	0.0	.94	-11.63	-19.89	-.07	-.14	10.98	.08	.77		.21	.21	.027
		6.6	.94	-17.56	-14.14	-.07	-.01	10.98	.08	.75		.20	.20	.026
		13.2	.94	-12.64	-5.39	-.07	.13	10.98	.08	.51		.21	.21	.019
		19.8	.94	2.55	-2.64	-.07	.26	10.98	.08	.12		.23	.23	.007
		26.4	.94	28.20	3.11	-.07	.39	10.98	.08	.95		.25	.25	.033

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
902= 905	149= 1	0.0	-11.84	-12.59	-184.48	-3.03	-.21	-0.21	-.99	-6.25		.61	.61	.243
		5.6	-11.83	-23.99	-.34	-1.07	-.08	-0.21	-.99	-.80		.38	.38	.071
		13.2	-11.82	-24.94	77.49	-.30	.05	-0.21	-.99	-2.72		.15	.15	.131
		19.8	-11.84	-15.43	46.34	1.08	.19	-0.21	-.99	-1.63		.29	.29	.097
		26.4	-11.87	4.54	-94.44	2.47	.32	-0.21	-1.00	-3.16		.52	.52	.145
903= 905	184= 1	0.0	178.59	-111.44	48.17	.07	-.01	5.75	8.43	1.73		.05	.05	.348
		5.6	178.59	-106.38	38.88	.07	.08	5.75	8.43	1.67		.05	.05	.346
		13.2	178.59	-97.99	33.59	.07	.18	5.75	8.43	1.50		.06	.06	.341
		19.8	178.59	-80.29	24.31	.07	.27	5.75	8.43	1.23		.07	.07	.332
		26.4	178.59	-55.25	23.02	.07	.36	5.75	8.43	.87		.08	.08	.321
903=1002	180= 1	0.0	-243.41	-112.06	469.86	5.30	1.23	-22.12	-8.06	-4.33		.46	.46	.504
		5.5	-243.47	-12.95	19.54	2.65	.53	-22.12	-8.06	-.21		.28	.28	.369
		18.9	-243.53	8.30	-140.44	.19	-.15	-22.12	-8.07	-1.26		.11	.11	.403
		25.4	-243.61	-43.00	-32.46	-2.00	-.72	-22.12	-8.07	-.48		.24	.24	.378
		37.8	-243.69	-136.85	262.79	-2.95	-.88	-22.12	-8.07	-2.66		.30	.30	.450
903=1003	JL9= 1	0.0	-98.37	-217.30	-2712.91	-12.15	-3.85	814.98	-1.39	-3.46		.88	.88	.160
		5.4	-99.78	-356.84	-1805.83	-9.97	.34	814.98	-1.41	-2.34		.80	.80	.126
		13.7	-101.20	-185.21	-1069.29	-8.01	4.16	814.98	-1.43	-1.38		.77	.77	.096
		20.5	-102.62	312.34	-401.03	-6.43	7.25	814.98	-1.45	-.73		.79	.79	.076
		27.4	-104.03	954.87	26.10	-6.20	7.92	814.98	-1.47	-1.21		.80	.80	.092
903=1005	180= 1	0.0	-486.86	-506.00	-2.99	-.43	4.38	2.64	-16.12	-4.53		.30	.30	.914
		9.5	-486.75	-119.18	30.60	-.16	2.44	2.64	-16.12	-1.10		.17	.17	.770
		18.9	-486.81	50.99	32.92	.12	.58	2.64	-16.13	-.54		.05	.05	.746
		28.4	-486.89	19.08	5.20	.36	-1.07	2.64	-16.13	-.18		.09	.09	.731
		37.8	-487.00	-151.70	-43.45	.48	-1.74	2.64	-16.13	-1.41		.13	.13	.783
904= 905	149= 1	0.0	10.90	29.11	-158.10	-3.00	-.32	-0.14	.92	5.38		.61	.61	.202
		5.6	10.90	9.24	21.58	-1.55	-.16	-0.14	.92	.79		.37	.37	.057
		13.2	10.90	-.17	88.16	-.12	-.05	-0.14	.92	2.95		.13	.13	.125
		19.8	10.90	.87	42.05	1.29	.08	-0.14	.92	1.41		.32	.32	.076
		26.4	10.90	12.37	-115.13	2.88	.21	-0.14	.92	3.87		.55	.55	.154
905= 906	184= 1	0.0	-78.33	-73.72	-213.51	-3.57	.63	35.07	-3.60	-3.27		.60	.60	.317
		5.6	-78.34	-20.29	2.67	-1.89	.72	35.07	-3.60	-.30		.44	.44	.232
		13.2	-78.35	40.48	87.01	-.24	.81	35.07	-3.60	-1.39		.33	.33	.263
		19.8	-78.35	106.57	41.29	1.39	.91	35.07	-3.60	-1.68		.41	.41	.278
		26.4	-78.35	185.98	-132.89	3.00	1.00	35.07	-3.60	-3.28		.55	.55	.327
905= 906	184= 1	0.0	162.85	-69.87	-186.55	-.93	.89	-8.95	7.68	2.68		.19	.19	.359
		5.6	162.85	4.41	-113.05	-.93	.98	-8.95	7.68	1.64		.19	.19	.319
		13.2	162.85	86.01	-39.51	-.93	1.08	-8.95	7.68	1.37		.20	.20	.311
		19.8	162.85	174.93	54.00	-.93	1.17	-8.95	7.68	2.56		.21	.21	.349
		26.4	162.85	271.17	107.52	-.93	1.26	-8.95	7.68	4.22		.21	.21	.401

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
909-1004	160- 1	0.0	254.65	248.64	303.78	4.99	-2.27	-38.02	8.50	3.95		.53	.53	.421
		4.5	256.57	44.91	-47.43	2.29	-1.23	-38.02	8.50	.62		.34	.34	.315
		18.9	256.48	-32.58	-164.58	-.20	-.23	-38.02	8.50	1.50		.19	.19	.343
		23.4	255.40	-5.56	-9.81	-2.43	.67	-38.02	8.49	.10		.34	.34	.299
		37.8	256.30	102.24	338.23	-3.45	1.13	-38.02	8.49	3.16		.41	.41	.396
909-1005	160- 1	0.0	408.75	350.57	-58.48	-.47	-4.16	-25.33	16.19	3.16		.39	.39	.663
		4.5	408.82	6.08	-.54	-.20	-1.09	-25.33	16.19	.06		.24	.24	.565
		18.9	408.53	-81.23	7.12	.06	.31	-25.33	16.18	.73		.13	.13	.586
		23.4	408.43	64.01	-13.75	.29	2.25	-25.33	16.18	.63		.26	.26	.583
		37.8	385.46	587.44	-53.20	.37	3.14	-25.33	16.18	3.50		.32	.32	.674
909-1015	JL9- 1	0.0	104.50	867.98	552.14	-5.90	6.67	754.96	1.48	1.31		.73	.73	.095
		4.5	103.11	1146.15	867.59	-1.81	.19	754.96	1.46	1.83		.53	.53	.109
		18.7	101.71	897.38	853.52	2.10	-6.14	754.96	1.44	1.57		.66	.66	.100
		23.5	100.27	151.02	531.21	5.65	-11.88	754.96	1.42	.70		.85	.85	.072
		27.4	99.16	-997.39	-39.12	8.01	-15.69	754.96	1.40	1.27		.98	.98	.089
910-1010	P3- 1	0.0	-148.55	-1810.68	7140.35	-19.28	-1.49	778.54	-.51	-2.67		.27	.27	.103
		4.4	-135.45	-1892.95	8767.55	-19.28	-.51	778.54	-.53	-3.23		.27	.27	.122
		18.7	-101.35	-1894.48	10350.76	-19.28	.47	778.54	-.55	-3.79		.27	.27	.140
		23.5	-167.25	-1815.13	11933.96	-19.28	1.46	778.54	-.57	-4.35		.27	.27	.159
		27.4	-178.14	-1655.08	13517.17	-19.28	2.44	778.54	-.59	-4.91		.27	.27	.177
911-1011	P3- 1	0.0	1795.28	10787.51	-2230.87	1.53	-192.57	2657.63	6.08	3.97		1.78	1.78	.337
		4.4	1792.35	-4445.08	-2540.03	1.53	-191.59	2657.63	6.06	1.99		1.78	1.78	.274
		18.7	1788.48	-20670.48	-2849.18	1.53	-190.61	2657.63	6.04	7.51		1.77	1.77	.448
		23.5	1780.58	-36290.30	-2558.34	1.53	-189.62	2657.63	6.02	13.12		1.76	1.76	.625
		27.4	1774.48	-51821.32	-2267.50	1.53	-188.64	2657.63	6.00	18.71		1.76	1.76	.801
912-1012	P3- 1	0.0	-2259.81	-8197.73	-1838.31	2.19	182.15	2705.99	-7.64	-3.03		1.72	1.72	.365
		4.4	-2265.71	6800.19	-2017.81	2.19	183.13	2705.99	-7.66	-2.56		1.73	1.73	.353
		18.7	-2271.61	21678.85	-2197.32	2.19	184.12	2705.99	-7.68	-7.93		1.73	1.73	.518
		23.5	-2277.51	37038.25	-2376.82	2.19	185.10	2705.99	-7.70	-13.38		1.74	1.74	.692
		27.4	-2283.40	52278.41	-2556.33	2.19	186.08	2705.99	-7.72	-18.87		1.75	1.75	.866
1001-1002	200- 1	0.0	8.32	138.65	1079.13	3.22	-.72	61.31	.22	6.09		.35	.35	.200
		7.6	8.32	64.67	775.44	3.45	-.79	61.31	.22	4.36		.36	.36	.146
		15.2	8.32	-5.80	451.87	3.68	-.87	61.31	.22	2.53		.37	.37	.088
		22.7	8.32	-88.36	107.81	3.88	-.95	61.31	.22	.78		.38	.38	.032
		30.3	8.32	-177.82	-253.47	4.06	-1.02	61.31	.22	1.73		.39	.39	.062
1001-1004	200- 1	0.0	13.63	-169.95	1120.00	3.49	.66	151.36	.36	6.34		.61	.61	.213
		7.6	13.61	-112.98	790.47	3.76	.59	151.36	.36	4.47		.62	.62	.154
		15.2	13.60	-62.90	455.93	4.04	.51	151.36	.36	2.46		.64	.64	.090
		22.7	13.61	-19.72	55.61	4.37	.44	151.36	.36	.32		.65	.65	.023
		30.3	13.63	16.54	-359.22	4.71	.36	151.36	.36	2.01		.67	.67	.076

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
1002-1003	200- 1	0.0	356.08	59.33	-2.91	1.03	-.99	-59.26	9.36	.33		.24	.24	.336
		7.6	356.08	-34.14	-102.74	1.15	-1.07	-59.26	9.36	.61		.25	.25	.345
		15.2	356.08	-134.51	-211.43	1.23	-1.14	-59.26	9.36	1.40		.25	.25	.370
		22.7	356.08	-241.77	-327.02	1.31	-1.22	-59.26	9.36	2.28		.26	.26	.398
		30.3	356.08	-355.92	-447.51	1.33	-1.29	-59.26	9.36	3.20		.26	.26	.427
1002-1004	140- 1	0.0	1.11	-215.09	-124.98	-.66	1.39	30.44	.07	4.67		.48	.48	.150
		7.6	1.11	-93.40	-64.70	-.66	1.29	30.44	.07	2.13		.47	.47	.070
		15.2	1.11	18.64	-4.42	-.66	1.18	30.44	.07	.36		.45	.45	.014
		22.7	1.11	121.04	55.85	-.66	1.07	30.44	.07	2.50		.44	.44	.082
		30.3	1.11	213.79	116.13	-.66	.97	30.44	.07	4.57		.43	.43	.147
1002-1005	140- 1	0.0	-12.43	-174.79	-104.06	-.63	.89	-10.27	-.77	-3.82		.23	.23	.154
		7.6	-12.45	-93.52	-51.86	-.52	.79	-10.27	-.78	-2.09		.21	.21	.100
		15.2	-12.47	-31.91	-10.60	-.39	.68	-10.27	-.78	-.63		.19	.19	.054
		22.7	-12.47	25.07	14.26	-.24	.57	-10.27	-.78	.58		.17	.17	.052
		30.3	-12.47	72.39	33.28	-.08	.47	-10.27	-.78	1.50		.16	.16	.041
1003-1005	200- 1	0.0	364.04	-674.35	271.77	.80	2.98	-23.30	9.57	4.07		.23	.23	.462
		7.6	364.04	-406.72	144.68	.80	2.91	-23.30	9.57	2.53		.22	.22	.413
		15.2	364.04	-145.98	125.59	.80	2.83	-23.30	9.57	1.08		.22	.22	.367
		22.7	364.04	107.87	52.49	.80	2.75	-23.30	9.57	.67		.22	.22	.354
		30.3	364.04	354.85	-20.60	.80	2.68	-23.30	9.57	1.99		.21	.21	.396
1004-1005	140- 1	0.0	11.89	96.69	-88.39	-.61	-.23	-24.95	.74	2.49		.32	.32	.105
		7.6	11.89	72.69	-39.94	-.46	-.34	-24.95	.74	1.56		.31	.31	.075
		15.1	11.89	37.44	-5.26	-.31	-.44	-24.95	.74	.71		.30	.30	.048
		22.7	11.89	-7.64	15.65	-.15	-.55	-24.95	.74	.33		.31	.31	.036
		30.3	11.89	-62.36	22.78	.00	-.66	-24.95	.74	1.25		.32	.32	.065
1004-1006	200- 1	0.0	-352.86	-203.34	-6.44	.49	1.77	14.88	-9.28	-1.14		.14	.14	.517
		7.6	-352.86	-46.06	-64.02	.82	1.69	14.88	-9.28	-.45		.14	.14	.486
		15.1	-352.85	104.33	-156.67	1.18	1.62	14.88	-9.28	1.05		.15	.15	.506
		22.7	-352.85	247.64	-282.77	1.60	1.54	14.88	-9.28	2.10		.16	.16	.543
		30.3	-352.86	384.46	-444.66	2.05	1.47	14.88	-9.28	3.31		.17	.17	.584
1005-1006	200- 1	0.0	-332.40	-152.69	-16.32	.52	2.42	-18.45	-8.74	-.86		.18	.18	.478
		7.6	-332.40	64.29	-63.69	.52	2.35	-18.45	-8.74	-.51		.18	.18	.461
		15.1	-332.40	274.38	-111.06	.52	2.27	-18.45	-8.74	-1.66		.17	.17	.507
		22.7	-332.40	477.59	-158.43	.52	2.20	-18.45	-8.74	-2.82		.17	.17	.552
		30.3	-332.40	673.91	-205.80	.52	2.12	-18.45	-8.74	-3.94		.17	.17	.596

LOAD CONDITION NO. 7

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
202- 203 W16- 1		0.0	29.51	-306.94	-40.61	-.04	.34	-.05	1.82	-3.44	-3.79	.07	.05	.304
		3.6	29.51	-238.10	-12.79	-.04	2.82	-.05	1.82	-2.67	-1.19	.08	.44	.190
		7.3	29.51	-61.24	15.03	-.04	5.31	-.05	1.82	-.69	1.40	.08	.83	.134
		10.9	29.51	223.63	42.86	-.04	7.79	-.05	1.82	2.51	4.00	.08	1.21	.242
		14.5	29.51	616.53	70.68	-.04	10.27	-.05	1.82	6.92	6.59	.08	1.60	.512
202- 204 W08- 1		0.0	-.86	-2.78	-7.92	-.10	-.17	-.00	-.12	-.13	-1.41	.02	.09	.061
		3.6	-.86	-3.40	-3.42	-.10	-.09	-.00	-.12	-.40	-.61	.02	.05	.042
		7.2	-.86	-10.25	1.08	-.10	.00	-.00	-.12	-.49	.19	.02	.00	.030
		10.9	-.86	-8.51	5.58	-.10	.09	-.00	-.12	-.40	1.00	.02	.05	.055
		14.5	-.86	-2.59	10.08	-.10	.17	-.00	-.12	-.12	1.80	.02	.09	.074
202- 205 W08- 1		0.0	-.78	2.89	.54	.04	-.16	-.00	-.11	.14	.10	.01	.08	.015
		3.6	-.78	-2.39	-1.24	.04	-.08	-.00	-.11	-.11	-.22	.01	.04	.018
		7.2	-.78	-5.69	-3.01	.04	.01	-.00	-.11	-.19	-.54	.01	.00	.032
		10.9	-.78	-1.60	-4.79	.04	.10	-.00	-.11	-.08	-.86	.01	.05	.039
		14.5	-.78	4.46	-6.57	.04	.18	-.00	-.11	.21	-1.17	.01	.09	.055
203- 205 W21- 1		0.0	39.60	1750.43	-106.25	-.78	-26.62	-.03	1.84	11.62	-6.25	.06	2.76	.644
		3.6	39.60	724.66	-72.18	-.78	-20.56	-.03	1.84	4.81	-4.24	.06	2.13	.364
		7.2	39.60	-37.52	-54.11	-.78	-14.50	-.03	1.84	-.25	-2.24	.06	1.50	.150
		10.9	39.60	-536.13	-4.03	-.78	-8.44	-.03	1.84	-3.56	-.24	.06	.87	.185
		14.5	39.60	-771.15	30.04	-.78	-2.37	-.03	1.84	-5.12	1.77	.06	.25	.288
203- 303 DKL- 1		0.0	-2.11	-1372.06	-1125.93	-15.89	78.15	-589.77	-.02	-2.78		2.21	2.21	.089
		3.8	-3.27	2144.64	-411.04	-15.89	78.15	-589.77	-.04	-3.42		2.21	2.21	.109
		7.5	-4.44	5054.71	303.86	-15.89	77.07	-589.77	-.05	-4.66		2.19	2.19	.282
		11.3	-5.60	9016.16	1018.75	-15.89	72.12	-589.77	-.06	-14.20		2.08	2.08	.451
		15.0	-6.20	12121.51	1733.64	-15.89	65.60	-589.77	-.07	-19.15		1.94	1.94	.609
203- 306 120- 1		0.0	-139.84	-70.12	-344.88	-1.03	.04	-25.20	-4.95	-4.39		.23	.23	.416
		4.2	-140.20	-52.16	-243.69	-1.03	.74	-25.20	-4.96	-3.07		.25	.25	.372
		10.3	-140.56	73.95	-142.49	-1.03	1.43	-25.20	-4.97	-2.00		.28	.28	.335
		26.5	-140.92	248.24	-41.30	-1.03	2.13	-25.20	-4.98	-3.14		.32	.32	.367
		32.6	-141.18	486.01	59.89	-1.03	2.63	-25.20	-4.99	-6.11		.36	.36	.460
204- 205 W08- 1		0.0	1.85	2.47	-3.92	.00	-.22	.01	.26	.12	-.70	.00	.11	.038
		3.6	1.85	-5.02	-4.01	.00	-.13	.01	.26	-.24	-.72	.00	.07	.042
		7.3	1.85	-8.73	-4.09	.00	-.04	.01	.26	-.42	-.73	.00	.02	.048
		10.9	1.85	-8.65	-4.16	.00	.05	.01	.26	-.42	-.75	.00	.03	.048
		14.5	1.85	-4.79	-4.26	.00	.13	.01	.26	-.23	-.76	.00	.07	.043
204- 206 W16- 1		0.0	-77.26	-310.14	-22.40	-.20	-.24	-.02	-4.77	-3.48	-2.09	.02	.04	.367
		3.6	-77.26	-206.67	-15.89	-.20	2.24	-.02	-4.77	-2.99	-1.30	.02	.35	.326
		7.3	-77.26	-115.14	-5.39	-.20	4.72	-.02	-4.77	-1.29	-.50	.02	.73	.254
		10.9	-77.26	144.45	3.11	-.20	7.21	-.02	-4.77	1.62	.29	.02	1.12	.256
		14.5	-77.26	516.19	11.61	-.20	14.64	-.02	-4.77	5.82	1.08	.02	2.26	.401

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
104- 105 W06- 1		0.0	1.48	2.49	-5.96	-.03	-.22	.01	.21	.12	-1.06	.01	.12	.049
		3.6	1.48	-5.33	-4.63	-.03	-.14	.01	.21	-.26	-.83	.01	.07	.044
		7.3	1.48	-9.37	-3.30	-.03	-.05	.01	.21	-.45	-.59	.01	.03	.042
		10.9	1.48	-9.65	-1.97	-.03	.04	.01	.21	-.46	-.35	.01	.02	.034
		14.5	1.48	-9.10	-.64	-.03	.12	.01	.21	-.29	-.11	.01	.07	.021
104- 106 W16- 1		0.0	-.68	-197.44	-13.60	-.08	.70	-.01	-.04	-2.22	-1.27	.01	.11	.116
		3.6	-.68	-129.68	-10.20	-.08	2.42	-.01	-.04	-1.46	-.95	.01	.38	.081
		7.3	-.68	13.05	-6.80	-.08	4.14	-.01	-.04	.15	-.63	.01	.64	.028
		10.9	-.68	230.70	-3.40	-.08	5.86	-.01	-.04	2.59	-.32	.01	.91	.095
		14.5	-.68	529.42	-.00	-.08	12.59	-.01	-.04	5.94	-.00	.01	1.95	.190
105- 106 W16- 1		0.0	-4.11	-295.09	14.96	.17	-.41	-.06	-.25	-2.53	1.40	.02	.06	.139
		3.6	-4.11	-205.58	7.74	.17	1.31	-.06	-.25	-2.30	.72	.02	.21	.109
		7.3	-4.11	-110.75	.49	.17	3.04	-.06	-.25	-1.24	.05	.02	.47	.052
		10.9	-4.11	58.81	-6.76	.17	4.76	-.06	-.25	.66	-.63	.02	.74	.054
		14.5	-4.11	303.29	-14.01	.17	6.48	-.06	-.25	3.40	-1.31	.02	1.01	.164
105- 206 DRL- 1		0.0	-12.32	721.20	-113.11	-5.75	-17.09	14.01	-.14	-1.14		.41	.41	.041
		3.8	-13.49	-47.74	145.64	-5.75	-17.09	14.01	-.15	-.24		.41	.41	.013
		7.5	-14.65	-816.69	404.39	-5.75	-17.09	14.01	-.16	-1.43		.41	.41	.051
		11.3	-15.81	-1585.64	663.15	-5.75	-17.09	14.01	-.17	-2.69		.41	.41	.091
		15.0	-16.97	-2354.58	921.90	-5.75	-17.09	14.01	-.19	-3.96		.41	.41	.132
201- 202 W10- 1		0.0	29.50	554.44	99.87	.65	-9.93	.05	1.82	6.28	9.32	.10	1.54	.586
		3.6	29.50	181.53	62.90	.65	-7.45	.05	1.82	2.04	5.87	.10	1.16	.332
		7.3	29.50	-88.37	25.94	.65	-4.96	.05	1.82	-.99	2.42	.10	.77	.179
		10.9	29.50	-250.24	-11.03	.65	-2.48	.05	1.82	-2.81	-1.03	.10	.39	.188
		14.5	29.50	-304.11	-48.00	.65	.00	.05	1.82	-3.41	-4.48	.10	.00	.327
201- 204 W18- 1		0.0	-75.82	855.85	93.06	.74	-10.56	-.01	-4.68	7.47	8.68	.09	1.64	.702
		3.6	-75.82	240.80	60.70	.74	-8.08	-.01	-4.68	2.92	5.66	.09	1.25	.461
		7.2	-75.82	-58.72	28.33	.74	-5.60	-.01	-4.68	-.41	2.64	.09	.87	.293
		10.9	-75.82	-226.12	-4.03	.74	-3.11	-.01	-4.68	-2.54	-.38	.09	.48	.281
		14.5	-75.82	-397.61	-36.40	.74	-.63	-.01	-4.68	-3.45	-3.40	.09	.10	.404
201- 301 DRL- 1		0.0	-64.37	-511.49	1324.97	14.92	72.83	-110.76	-.71	-2.23		1.72	1.72	.096
		3.8	-65.53	2765.60	857.46	14.92	72.83	-110.76	-.72	-4.45		1.72	1.72	.167
		7.5	-66.69	5636.39	-14.05	14.92	71.75	-110.76	-.73	-9.44		1.70	1.70	.325
		11.3	-67.86	9160.40	-885.55	14.92	66.80	-110.76	-.74	-14.37		1.59	1.59	.482
		15.0	-69.45	12024.31	-1357.06	14.92	60.27	-110.76	-.75	-18.93		1.45	1.45	.626
201- 303 120- 1		0.0	5.10	425.33	-545.24	-7.79	-4.63	3.58	.22	8.59		.66	.66	.279
		8.2	5.74	3.75	219.79	-7.79	-3.94	3.58	.20	2.74		.64	.64	.094
		16.3	5.39	-324.25	936.78	-4.39	-1.55	3.58	.19	12.37		.35	.35	.398
		24.5	5.03	-145.30	646.84	11.23	5.22	3.58	.18	8.27		.90	.90	.268
		32.6	4.80	697.16	-142.37	31.60	11.86	3.58	.17	19.83		2.42	2.42	.633

LOAD CONDITION NO. 7

U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
101- 102	M10- 1	0.0	-3.72	357.07	93.47	.78	-6.87	.01	-.23	4.01	8.72	.09	1.07	.440
		3.6	-3.72	95.79	59.52	.78	-5.15	.01	-.23	1.07	5.55	.09	.80	.237
		7.3	-3.72	-90.59	25.57	.78	-3.42	.01	-.23	-1.02	2.39	.09	.53	.125
		10.9	-3.72	-202.07	-8.38	.78	-1.70	.01	-.23	-2.27	-.78	.09	.26	.109
		14.5	-3.72	-238.64	-42.34	.78	.02	.01	-.23	-2.68	-3.95	.09	.00	.232
101- 104	M10- 1	0.0	.51	350.15	86.99	.67	-6.58	-.01	.03	3.93	8.11	.08	1.02	.408
		3.6	.51	101.62	57.91	.67	-4.86	-.01	.03	1.14	5.40	.08	.75	.225
		7.2	.51	-72.07	28.64	.67	-3.13	-.01	.03	-.81	2.69	.08	.49	.120
		10.9	.51	-170.93	-.24	.67	-1.41	-.01	.03	-1.92	-.02	.08	.22	.063
		14.5	.51	-194.95	-29.31	.67	.31	-.01	.03	-2.19	-2.73	.08	.05	.165
101- 201	DRL- 1	0.0	-18.44	-303.20	532.25	2.68	.68	180.46	-.20	-.96		.21	.21	.038
		3.8	-19.61	-272.72	402.45	2.68	.68	180.46	-.22	-.76		.21	.21	.032
		7.5	-20.77	-242.24	272.67	2.68	.68	180.46	-.23	-.57		.21	.21	.026
		11.3	-21.93	-211.77	142.89	2.68	.68	180.46	-.24	-.40		.21	.21	.021
		15.0	-23.09	-181.29	13.11	2.68	.68	180.46	-.25	-.28		.21	.21	.018
102- 103	M10- 1	0.0	-3.57	-239.87	-55.56	-.57	.35	-.02	-.22	-2.69	-3.32	.07	.05	.210
		3.6	-3.57	-187.28	-10.90	-.57	2.07	-.02	-.22	-2.10	-1.02	.07	.32	.111
		7.3	-3.57	-59.79	13.76	-.57	3.79	-.02	-.22	-.67	1.29	.07	.59	.075
		10.9	-3.57	142.61	38.46	-.57	5.51	-.02	-.22	1.60	3.59	.07	.86	.185
		14.5	-3.57	419.90	63.14	-.57	7.24	-.02	-.22	4.71	5.89	.07	1.12	.363
102- 104	M08- 1	0.0	-.66	-1.21	-6.80	-.10	-.18	-.00	-.09	-.06	-1.21	.02	.09	.050
		3.6	-.66	-7.22	-2.66	-.10	-.09	-.00	-.09	-.35	-.48	.02	.05	.034
		7.2	-.66	-4.45	1.48	-.10	-.01	-.00	-.09	-.45	.26	.02	.01	.030
		10.9	-.66	-7.90	5.61	-.10	.08	-.00	-.09	-.38	1.00	.02	.04	.053
		14.5	-.66	-2.57	9.75	-.10	.17	-.00	-.09	-.12	1.74	.02	.09	.070
102- 105	M06- 1	0.0	-.83	1.24	.04	.02	-.15	.00	-.12	.06	.01	.00	.08	.010
		3.6	-.83	-3.22	-.90	.02	-.06	.00	-.12	-.15	-.16	.00	.03	.018
		7.2	-.83	-3.90	-1.85	.02	.03	.00	-.12	-.19	-.33	.00	.02	.025
		10.9	-.83	-.61	-2.76	.02	.11	.00	-.12	-.04	-.49	.00	.06	.026
		14.5	-.83	2.07	-3.69	.02	.20	.00	-.12	.29	-.66	.00	.10	.040
103- 105	M10- 1	0.0	-2.96	495.18	-50.96	-.43	-7.62	-.01	-.18	5.56	-5.13	.05	1.18	.362
		3.6	-2.96	201.34	-35.39	-.43	-5.90	-.01	-.18	2.26	-3.39	.05	.92	.197
		7.2	-2.96	-17.67	-17.82	-.43	-4.18	-.01	-.18	-.20	-1.66	.05	.65	.072
		10.9	-2.96	-161.64	.74	-.43	-2.46	-.01	-.18	-1.82	.07	.05	.38	.068
		14.5	-2.96	-231.18	19.31	-.43	-.73	-.01	-.18	-2.59	1.80	.05	.11	.152
105- 203	DRL- 1	0.0	-19.45	-428.61	-867.60	-4.68	3.35	-118.10	-.22	-1.24		.22	.22	.047
		3.8	-21.02	-278.25	-457.06	-4.68	3.35	-118.10	-.23	-.84		.22	.22	.035
		7.5	-22.10	-127.70	-248.55	-4.68	3.35	-118.10	-.24	-.43		.22	.22	.023
		11.3	-23.34	22.86	-56.03	-4.68	3.35	-118.10	-.26	-.07		.22	.22	.011
		15.0	-24.50	173.41	174.50	-4.68	3.35	-118.10	-.27	-.38		.22	.22	.022

LOAD CONDITION NO. 7

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - HWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
205- 206 -21- 1		0.0	38.25	-766.52	19.21	.15	-2.06	-.02	1.78	-5.09	1.13	.01	.21	.262
		3.6	38.25	-724.17	12.80	.15	4.01	-.02	1.78	-4.81	.75	.01	.41	.240
		7.3	38.25	-417.93	6.40	.15	10.07	-.02	1.78	-2.77	.38	.01	1.04	.163
		10.9	38.25	152.21	-.01	.15	16.14	-.02	1.78	1.01	-.00	.01	1.67	.094
		14.5	38.25	986.24	-6.41	.15	22.20	-.02	1.78	6.55	-.38	.01	2.30	.282
206- 301 120- 1		0.0	171.92	476.88	357.32	5.12	-4.76	-17.17	6.08	7.46		.51	.51	.448
		8.2	171.56	46.97	52.20	5.12	-4.06	-17.17	6.07	.88		.47	.47	.239
		16.3	171.20	-316.79	-252.92	5.12	-3.37	-17.17	6.05	5.06		.43	.43	.371
		24.5	170.84	-502.64	-404.83	-.19	2.18	-17.17	6.04	8.71		.26	.26	.486
		32.6	170.49	341.25	7.06	-10.32	16.35	-17.17	6.03	4.76		1.47	1.47	.361
206- 306 DRL- 1		0.0	-137.08	-562.47	1045.35	14.43	78.07	334.07	-1.50	-1.86		2.00	2.00	.113
		3.8	-138.25	2950.65	396.17	14.43	78.07	334.07	-1.52	-4.66		2.00	2.00	.292
		7.5	-139.41	6464.16	-253.00	14.43	78.07	334.07	-1.53	-10.12		2.00	2.00	.376
		11.3	-140.57	9977.47	-902.17	14.43	78.07	334.07	-1.54	-15.67		2.00	2.00	.552
		15.0	-141.17	13490.79	-1551.35	14.43	78.07	334.07	-1.55	-21.24		2.00	2.00	.728
301- 303 123- 1		0.0	-9.54	174.92	-872.35	-16.90	-3.07	-7.30	-.50	-15.69		2.05	2.05	.518
		7.3	-9.54	-26.12	355.61	-9.53	-1.55	-7.30	-.50	-6.29		1.05	1.05	.221
		14.5	-9.54	-95.54	750.97	.24	-.04	-7.30	-.50	-13.35		.09	.09	.444
		21.7	-9.54	-32.74	313.75	9.81	1.48	-7.30	-.50	-5.56		1.10	1.10	.198
		29.0	-9.54	161.70	-956.07	19.38	2.99	-7.30	-.50	-17.10		2.10	2.10	.563
301- 306 123- 1		0.0	-109.36	-484.30	-102.55	-7.17	1.35	-9.93	-5.68	-8.82		.85	.85	.520
		7.2	-109.36	-311.26	315.93	-2.49	2.68	-9.93	-5.68	-7.82		.47	.47	.490
		14.5	-109.35	-34.52	336.31	1.98	3.62	-9.93	-5.68	-5.96		.52	.52	.433
		21.7	-109.36	307.68	-20.47	6.06	4.19	-9.93	-5.68	-5.44		.85	.85	.417
		29.0	-109.36	684.62	-638.53	7.63	4.42	-9.93	-5.68	-16.51		1.00	1.00	.755
301- 401 DRL- 1		0.0	-35.51	12136.15	-1217.16	-9.56	-44.96	-1099.83	-.39	-19.08		1.87	1.87	.619
		7.1	-35.48	7676.57	-399.89	-9.56	-59.76	-1099.83	-.39	-12.02		2.19	2.19	.395
		14.2	-35.45	1838.27	417.41	-9.56	-76.22	-1099.83	-.39	-2.98		2.55	2.55	.109
		21.4	-35.43	-5309.29	1234.70	-9.56	-91.09	-1099.83	-.39	-8.53		2.87	2.87	.285
		28.5	-35.40	-13028.84	2051.99	-9.56	-102.96	-1099.83	-.39	-21.56		3.13	3.13	.697
303- 306 123- 1		0.0	63.46	-425.97	112.16	7.29	.92	-20.29	3.30	7.77		.94	.94	.361
		7.2	63.46	-285.23	-316.84	2.81	2.25	-20.29	3.30	7.52		.54	.54	.353
		14.5	63.47	-45.79	-347.73	-1.66	3.19	-20.29	3.30	6.18		.56	.56	.311
		21.7	63.46	259.30	-1.46	-5.94	3.76	-20.29	3.30	4.57		.91	.91	.259
		29.0	63.46	598.72	606.08	-7.51	3.99	-20.29	3.30	15.02		1.06	1.06	.590
303- 403 DRL- 1		0.0	-16.62	11619.91	1105.36	9.72	-44.18	1748.81	-.18	-18.57		2.36	2.36	.595
		7.1	-16.59	7427.14	274.42	9.72	-59.00	1748.81	-.18	-11.63		2.68	2.68	.375
		14.2	-16.56	1675.66	-556.52	9.72	-75.44	1748.81	-.18	-2.76		3.04	3.04	.094
		21.4	-16.53	-5425.08	-1387.47	9.72	-90.31	1746.81	-.18	-8.76		3.36	3.36	.284
		28.5	-16.50	-13077.81	-2218.41	9.72	-102.16	1748.81	-.18	-21.66		3.62	3.62	.693

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SPCTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
306= 406 DAL= 1		0.0	-216.78	15025.62	-1372.98	-10.68	-77.31	301.75	-2.38	-23.60		1.95	1.95	.838
		7.1	-215.75	8259.02	-459.45	-10.68	-82.78	301.75	-2.38	-12.94		2.07	2.07	.500
		14.2	-215.72	602.52	454.09	-10.68	-96.84	301.75	-2.38	-1.18		2.37	2.37	.128
		21.4	-216.69	-8311.31	1367.62	-10.68	-111.56	301.75	-2.38	-13.18		2.70	2.70	.508
		28.5	-218.56	-16594.89	2281.16	-10.68	-125.78	301.75	-2.38	-29.00		2.96	2.96	1.008
401= 501 JL4= 1		0.0	-1057.56	3517.46	17892.98	-74.15	55.16	416.11	-7.40	-11.46		1.49	1.49	.620
		1.1	-1054.04	4296.54	16991.62	-81.37	57.68	416.11	-7.40	-12.23		1.53	1.53	.645
		2.3	-1058.51	5095.24	20120.42	-83.55	59.17	416.11	-7.41	-13.04		1.56	1.56	.670
		3.4	-1056.99	5916.14	21278.69	-85.68	60.63	416.11	-7.41	-13.87		1.60	1.60	.697
		4.6	-1059.46	6755.85	22465.78	-87.76	62.06	416.11	-7.41	-14.74		1.63	1.63	.724
431= 510 P1= 1		0.0	1032.98	6443.45	-4916.97	-8.89	11.00	638.14	4.67	3.79		.28	.28	.282
		1.1	1032.24	6594.47	-4795.50	-8.89	11.12	638.14	4.66	3.81		.28	.28	.283
		2.3	1031.51	6747.18	-4674.03	-8.89	11.24	638.14	4.66	3.84		.28	.28	.284
		3.4	1030.78	6901.57	-4552.57	-8.89	11.37	638.14	4.66	3.87		.28	.28	.285
		4.6	1030.04	7057.64	-4431.10	-8.89	11.49	638.14	4.65	3.90		.28	.28	.285
403= 503 JL4= 1		0.0	-1101.96	3151.56	-17933.45	90.49	67.94	-73.07	-7.71	-11.44		1.79	1.79	.630
		1.1	-1102.45	4365.67	-19187.36	92.72	89.46	-73.07	-7.71	-12.36		1.83	1.83	.660
		2.3	-1102.91	5600.40	-20471.47	94.90	90.95	-73.07	-7.72	-13.33		1.86	1.86	.691
		3.4	-1103.38	6855.34	-21785.04	97.03	92.41	-73.07	-7.72	-14.35		1.90	1.90	.723
		4.6	-1103.85	8130.08	-23127.41	99.10	93.84	-73.07	-7.72	-15.40		1.93	1.93	.756
405= 511 P1= 1		0.0	1124.26	6977.75	4891.37	9.10	12.49	-334.22	5.09	3.99		.22	.22	.303
		1.1	1125.53	7149.11	4767.13	9.10	12.61	-334.22	5.09	4.02		.22	.22	.304
		2.3	1124.79	7322.18	4642.89	9.10	12.73	-334.22	5.08	4.06		.22	.22	.305
		3.4	1124.06	7496.92	4518.64	9.10	12.86	-334.22	5.08	4.09		.22	.22	.306
		4.6	1123.33	7673.35	4394.40	9.10	12.98	-334.22	5.08	4.14		.22	.22	.308
406= 506 JL4= 1		0.0	2345.36	-7506.48	2396.62	-10.57	-116.15	298.93	16.59	5.00		1.73	1.73	.729
		1.1	2342.86	-9194.40	2541.22	-10.57	-118.81	298.93	16.59	5.99		1.76	1.76	.760
		2.3	2342.41	-10838.44	2685.83	-10.57	-121.42	298.93	16.59	7.01		1.80	1.80	.792
		3.4	2341.94	-12517.78	2830.43	-10.57	-123.97	298.93	16.58	8.06		1.83	1.83	.825
		4.6	2341.46	-14231.65	2975.04	-10.57	-126.46	298.93	16.58	9.13		1.87	1.87	.859
406= 512 P1= 1		0.0	-2578.17	-13406.01	-196.24	-.12	26.07	373.66	-11.65	-6.27		.32	.32	.604
		1.1	-2578.90	-13089.12	-196.51	-.12	26.19	373.66	-11.65	-6.10		.32	.32	.599
		2.3	-2579.64	-12690.55	-192.99	-.12	26.32	373.66	-11.66	-5.94		.33	.33	.594
		3.4	-2580.37	-12330.30	-191.37	-.12	26.44	373.66	-11.66	-5.77		.33	.33	.588
		4.6	-2581.10	-11968.39	-189.74	-.12	26.56	373.66	-11.66	-5.60		.33	.33	.583
501= 502 JL5= 1		0.0	132.94	44.12	604.69	1.54	-.82	-230.67	4.40	5.43		1.14	1.14	.325
		3.4	132.94	15.49	463.70	5.49	-.43	-230.67	4.40	4.33		1.30	1.30	.290
		7.5	132.94	4.60	242.20	6.64	-.04	-230.67	4.40	2.17		1.47	1.47	.222
		11.4	132.94	11.43	-119.79	9.29	.35	-230.67	4.40	1.08		1.65	1.65	.197
		15.1	132.94	36.08	-602.28	11.94	.74	-230.67	4.40	5.40		1.83	1.83	.324

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
501- 504	105- 1	0.0	-314.11	-1060.14	674.05	4.50	4.55	-131.07	-10.40	-11.29		1.00	1.00	.720
		3.8	-314.10	-850.04	448.83	5.61	4.93	-131.07	-10.40	-8.61		1.08	1.08	.639
		7.6	-314.09	-618.27	184.23	6.91	5.29	-131.07	-10.40	-5.73		1.16	1.16	.558
		11.4	-314.08	-359.88	-179.73	8.22	5.63	-131.07	-10.40	-3.68		1.25	1.25	.501
		15.2	-314.07	-106.34	-563.07	9.53	5.96	-131.07	-10.40	-5.31		1.33	1.33	.549
501- 601	JL5- 1	0.0	-1059.72	6325.52	20165.75	116.56	-31.57	209.83	-7.27	-13.29		1.78	1.78	.674
		1.5	-1040.35	5766.29	18047.31	115.86	-29.72	209.83	-7.28	-11.90		1.74	1.74	.630
		3.0	-1040.99	5240.51	15957.32	113.25	-27.93	209.83	-7.28	-10.55		1.70	1.70	.587
		4.6	-1041.63	4746.91	13914.22	110.72	-26.19	209.83	-7.29	-9.24		1.66	1.66	.546
		6.1	-1042.26	4284.60	11916.52	108.27	-24.50	209.83	-7.29	-7.96		1.62	1.62	.506
501- 642	205- 1	0.0	11.31	263.24	-1648.54	-16.04	-2.76	-235.18	.30	9.33		1.62	1.62	.306
		5.1	11.32	115.40	-661.43	-13.78	-2.09	-235.18	.30	3.87		1.39	1.39	.133
		10.1	11.34	8.20	32.56	-9.77	-1.44	-235.18	.30	.19		1.18	1.18	.016
		15.2	11.36	-60.16	510.26	-5.49	-.81	-235.18	.30	2.88		.98	.98	.101
		20.2	11.38	-91.37	764.46	-2.42	-.22	-235.18	.30	4.31		.79	.79	.147
502- 503	105- 1	0.0	138.11	53.19	-495.59	-10.05	-.68	167.68	4.57	4.46		1.42	1.42	.300
		3.8	138.11	31.27	-99.19	-7.40	-.29	167.68	4.57	.93		1.24	1.24	.189
		7.6	138.11	27.08	176.71	-4.74	.10	167.68	4.57	1.60		1.07	1.07	.210
		11.4	138.11	40.63	332.11	-2.09	.49	167.68	4.57	3.00		.89	.89	.254
		15.1	138.11	71.91	367.01	.56	.88	167.68	4.57	3.35		.82	.82	.265
502- 504	125- 1	0.0	-8.90	-161.75	-29.03	1.25	.62	101.81	-.46	-2.90		1.04	1.04	.109
		3.8	-8.90	-127.77	-61.89	.20	.87	101.81	-.46	-2.50		.99	.99	.097
		7.6	-8.91	-82.77	-46.93	-.86	1.11	101.81	-.46	-1.68		1.04	1.04	.071
		11.4	-8.91	-27.62	15.84	-1.91	1.32	101.81	-.46	-.56		1.14	1.14	.035
		15.1	-8.92	36.83	126.42	-2.96	1.51	101.81	-.46	-2.32		1.24	1.24	.091
502- 505	125- 1	0.0	-18.26	-184.53	-77.67	-1.82	.79	-95.11	-.95	-3.53		1.04	1.04	.148
		3.8	-18.26	-142.73	-19.07	-.76	1.04	-95.11	-.95	-2.54		.97	.97	.117
		7.6	-18.27	-89.91	-8.26	.29	1.28	-95.11	-.95	-1.59		.97	.97	.087
		11.4	-18.27	-26.94	-45.30	1.34	1.49	-95.11	-.95	-.93		1.05	1.05	.066
		15.1	-18.28	45.52	-130.13	2.39	1.69	-95.11	-.95	-2.43		1.14	1.14	.113
503- 505	105- 1	0.0	135.08	-920.36	-456.36	-.91	3.92	135.65	4.47	9.12		.87	.87	.444
		3.8	135.09	-735.49	-365.44	-2.21	4.30	135.65	4.47	7.34		.93	.93	.388
		7.6	135.10	-529.75	-235.14	-3.52	4.66	135.65	4.48	5.19		.99	.99	.320
		11.4	135.11	-309.99	-45.47	-4.83	5.00	135.65	4.48	2.81		1.07	1.07	.245
		15.2	135.12	-75.08	203.57	-6.13	5.33	135.65	4.48	1.94		1.15	1.15	.217
503- 603	JL5- 1	0.0	-759.48	6898.27	-20877.92	-128.75	-39.23	-173.13	-5.31	-13.81		1.94	1.94	.622
		1.5	-759.11	6199.50	-18553.53	-126.05	-37.38	-173.13	-5.31	-12.29		1.89	1.89	.574
		3.0	-759.75	5533.98	-16277.80	-123.44	-35.58	-173.13	-5.32	-10.80		1.85	1.85	.527
		4.6	-760.38	4900.65	-14048.55	-120.91	-33.85	-173.13	-5.32	-9.35		1.81	1.81	.481
		6.1	-761.02	4298.60	-11864.91	-118.46	-32.16	-173.13	-5.32	-7.93		1.77	1.77	.436

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SPCTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
503- 645 203- 1		0.0	-554.45	-1478.44	472.19	7.22	10.36	116.85	-14.57	-8.69		.99	.99	.795
		5.1	-554.42	-902.67	92.24	5.31	8.51	116.85	-14.57	-5.08		.86	.86	.692
		10.1	-554.39	-430.87	-175.42	3.53	6.94	116.85	-14.57	-2.60		.74	.74	.621
		15.2	-554.35	-58.04	-334.06	1.82	5.33	116.85	-14.57	-1.92		.62	.62	.601
		20.2	-554.32	216.19	-399.41	.21	3.80	116.85	-14.57	-2.55		.53	.53	.619
504- 505 103- 1		0.0	28.48	140.37	-89.06	-3.48	-.32	-1.60	1.38	2.93		.38	.38	.141
		3.4	28.48	139.04	21.71	-1.49	-.13	-1.60	1.38	2.32		.16	.16	.121
		7.5	28.48	120.12	57.93	.68	.05	-1.60	1.38	2.36		.09	.09	.122
		11.4	28.48	134.65	-40.41	2.77	.24	-1.60	1.38	2.48		.30	.30	.126
		15.1	28.48	149.57	-213.30	4.85	.42	-1.60	1.38	4.59		.52	.52	.193
504- 506 103- 1		0.0	-337.35	-244.90	-307.40	-5.81	7.79	74.21	-11.17	-3.95		.97	.97	.533
		3.8	-337.34	118.04	-142.84	-4.30	8.04	74.21	-11.17	-1.64		.94	.94	.473
		7.6	-337.33	484.55	23.76	-3.01	8.35	74.21	-11.17	-4.39		.92	.92	.550
		11.4	-337.34	873.69	131.37	-1.73	8.56	74.21	-11.17	-7.91		.91	.91	.649
		15.1	-337.34	1287.56	100.76	-.45	8.75	74.21	-11.17	-11.46		.91	.91	.752
505- 506 103- 1		0.0	100.47	-210.96	-139.66	-.52	7.44	-79.98	3.53	2.27		.85	.85	.194
		3.8	100.48	133.78	-95.56	-1.82	7.73	-79.98	3.53	1.47		.88	.88	.169
		7.6	100.48	491.08	7.66	-2.92	7.99	-79.98	3.53	4.80		.92	.92	.262
		11.4	100.48	859.23	169.49	-4.20	8.21	-79.98	3.53	7.44		.97	.97	.371
		15.1	100.47	1239.49	309.54	-5.44	8.39	-79.98	3.53	11.61		1.02	1.02	.490
506- 606 303- 1		0.0	2011.56	-10275.38	2611.41	17.50	67.13	426.80	14.07	6.66		1.10	1.10	.721
		1.5	2011.94	-9080.49	2295.79	17.50	63.90	426.80	14.07	5.86		1.06	1.06	.676
		3.0	2012.31	-7943.49	1980.17	17.50	60.77	426.80	14.06	5.14		1.02	1.02	.652
		4.5	2012.67	-6862.78	1664.55	17.50	57.73	426.80	14.06	4.44		.98	.98	.639
		6.1	2013.03	-5836.85	1348.93	17.50	54.78	426.80	14.05	3.76		.94	.94	.606
506- 644 203- 1		0.0	502.51	1607.93	1031.73	10.55	-12.59	90.50	14.79	10.71		1.12	1.12	.694
		5.1	502.53	913.99	488.67	8.23	-10.27	90.50	14.79	5.75		.94	.94	.547
		10.1	502.57	381.45	37.50	5.95	-7.95	90.50	14.79	2.03		.78	.78	.579
		15.2	502.61	-54.11	-260.06	3.64	-5.70	90.50	14.79	1.09		.61	.61	.562
		20.2	502.65	-333.34	-431.50	1.62	-3.51	90.50	14.79	3.05		.46	.46	.611
510- 711 [illegible] 1		[illegible]	1969.74	7[illegible].51	-4307.41	-10.14	-[illegible].71	854.91	4.05	3.90		.50	.50	.[illegible]
		5.3	1965.75	4775.25	-3416.51	-10.14	-[illegible].[illegible]	854.91	4.04	2.80		.49	.49	.[illegible]
		10.7	1961.67	2517.76	-2525.62	-10.14	-[illegible].35	854.91	4.02	1.78		.49	.49	.217
		16.0	1957.59	312.67	-1634.73	-10.14	-[illegible].67	854.91	4.00	.95		.48	.48	.191
		20.3	1953.99	-1041.02	-1343.43	-10.14	-27.44	854.91	4.58	1.06		.48	.48	.193
511- 711 [illegible] 1		[illegible]	1163.[illegible]	7[illegible].35	-4547.44	-10.47	-[illegible].51	-[illegible].73	5.08	4.14		.53	.53	.[illegible]
		5.3	1159.94	4762.67	-3551.34	-10.47	-[illegible].[illegible]	-[illegible].73	5.06	2.78		.52	.52	.[illegible]
		10.7	1156.[illegible]	1795.87	-2755.15	-10.47	-[illegible].15	-[illegible].73	5.04	1.54		.52	.52	.224
		16.[illegible]	1151.82	-1078.87	-1954.90	-10.47	-37.47	-[illegible].73	5.02	1.[illegible]		.51	.51	.[illegible]
		20.3	1148.73	-3401.[illegible]	-1162.45	-10.47	-[illegible].78	-[illegible].79	5.[illegible]	1.90		.51	.51	.234

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
512= 712	P1= 1	0.0	-2580.96	-11968.39	-184.77	-.12	55.95	396.34	-11.66	-5.60		.60	.60	.583
		6.3	-2565.04	-7688.13	-180.73	-.12	56.63	396.34	-11.68	-3.60		.60	.60	.528
		12.7	-2549.13	-3356.04	-171.69	-.12	57.32	396.34	-11.70	-1.57		.61	.61	.472
		19.0	-2533.22	1027.90	-162.65	-.12	58.00	396.34	-11.72	-.49		.62	.62	.443
		25.3	-2517.31	5403.87	-153.60	-.12	58.68	396.34	-11.74	-2.56		.62	.62	.501
601= 641	JL6= 1	0.0	-1051.21	4090.69	11594.86	87.40	-28.78	697.36	-7.35	-7.72		1.51	1.51	.500
		1.5	-1051.85	3580.66	10021.55	85.01	-27.14	697.36	-7.36	-6.69		1.47	1.47	.468
		3.0	-1052.48	3069.99	8491.34	82.69	-25.54	697.36	-7.36	-5.68		1.43	1.43	.436
		4.6	-1053.12	2646.16	7002.87	80.44	-23.96	697.36	-7.37	-4.70		1.39	1.39	.405
		6.1	-1053.75	2224.48	5554.91	78.26	-22.46	697.36	-7.37	-3.76		1.36	1.36	.376
603= 643	JL6= 1	0.0	-772.18	4099.72	-11537.97	-97.04	-36.92	-671.03	-5.39	-7.69		1.66	1.66	.431
		1.5	-772.82	3480.95	-9788.43	-94.66	-35.26	-671.03	-5.39	-6.52		1.62	1.62	.394
		3.0	-773.45	2811.73	-8062.62	-92.34	-33.66	-671.03	-5.40	-5.38		1.59	1.59	.356
		4.6	-774.09	2211.36	-6414.13	-90.08	-32.12	-671.03	-5.40	-4.26		1.55	1.55	.323
		6.1	-774.72	1639.12	-4794.17	-87.90	-30.60	-671.03	-5.41	-3.18		1.51	1.51	.289
605= 645	JL6= 1	0.0	2009.20	-5836.65	1347.54	17.30	46.27	431.17	14.06	3.76		.85	.85	.608
		1.5	2008.57	-4981.66	1031.75	17.30	45.40	431.17	14.05	3.20		.82	.82	.590
		3.0	2007.93	-4176.61	715.96	17.30	42.62	431.17	14.05	2.66		.78	.78	.573
		4.6	2007.29	-3425.50	400.17	17.30	39.91	431.17	14.04	2.17		.74	.74	.557
		6.1	2006.66	-2721.09	84.36	17.30	37.29	431.17	14.04	1.71		.71	.71	.543
641= 651	JL6= 1	0.0	-1053.75	2224.48	5554.91	76.26	-22.46	697.36	-7.37	-3.76		1.36	1.36	.376
		1.5	-1054.38	1634.03	4154.75	75.20	-20.27	697.36	-7.38	-2.85		1.31	1.31	.347
		3.0	-1055.02	1454.24	2809.51	72.24	-18.14	697.36	-7.38	-2.00		1.26	1.26	.320
		4.6	-1055.66	1172.34	1517.56	69.36	-16.05	697.36	-7.39	-1.20		1.22	1.22	.295
		6.1	-1056.29	897.95	277.47	66.54	-14.03	697.36	-7.39	-.59		1.17	1.17	.276
642= 703	200= 1	0.0	11.38	-91.33	764.43	-2.42	-.22	-235.31	.30	4.31		.79	.79	.147
		5.5	11.43	-62.59	740.08	3.10	.47	-235.31	.30	4.17		.82	.82	.142
		11.0	11.48	-29.78	303.17	8.30	1.13	-235.31	.30	2.04		1.10	1.10	.075
		16.4	11.52	65.55	-348.37	13.22	1.77	-235.31	.30	1.97		1.36	1.36	.073
		21.9	11.56	201.86	-1369.62	17.84	2.37	-235.31	.30	7.75		1.60	1.60	.256
643= 653	JL6= 1	0.0	-772.72	1639.12	-4794.17	-87.90	-30.60	-671.03	-5.41	-3.18		1.51	1.51	.289
		1.5	-773.35	1100.73	-3218.01	-84.65	-28.41	-671.03	-5.41	-2.14		1.46	1.46	.256
		3.0	-773.99	601.80	-1696.76	-81.68	-26.28	-671.03	-5.41	-1.13		1.41	1.41	.224
		4.6	-774.63	141.35	-228.80	-79.00	-24.19	-671.03	-5.42	-.17		1.37	1.37	.195
		6.1	-775.25	-291.59	1167.29	-76.20	-22.17	-671.03	-5.42	-.77		1.32	1.32	.213
645= 701	200= 1	0.0	562.65	-355.30	-431.57	1.72	-3.69	90.30	-14.79	3.05		.47	.47	.611
		5.5	562.68	-471.23	-443.34	-1.55	-.53	90.30	14.79	3.62		.33	.33	.629
		11.0	562.70	-406.22	-259.75	-4.22	2.48	90.30	14.79	2.70		.51	.51	.600
		16.5	562.72	-147.92	108.70	-6.45	5.34	90.30	14.79	1.03		.71	.71	.547
		21.9	562.75	293.08	651.53	-9.52	8.04	90.30	14.79	4.00		.91	.91	.641

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
645= 700 200= 1		0.0	-554.32	218.14	-599.44	.04	3.74	116.83	-14.57	-2.55		.52	.52	.625
		5.5	-554.28	376.51	-320.53	-2.41	1.16	116.83	-14.57	-2.78		.47	.47	.631
		11.0	-554.23	375.21	-85.85	-4.70	-1.30	116.83	-14.57	-2.14		.58	.58	.613
		16.4	-554.19	211.08	290.74	-6.85	-3.61	116.83	-14.57	-2.03		.73	.73	.609
		21.9	-554.16	-99.56	811.84	-8.84	-5.81	116.83	-14.57	-4.58		.88	.88	.683
649= 650 JL6= 1		0.0	2004.59	-2721.09	85.08	17.30	40.54	431.03	14.04	1.71		.75	.75	.543
		1.5	2005.96	-2016.68	-230.62	17.30	34.46	431.03	14.03	1.28		.70	.70	.529
		3.0	2005.32	-1389.86	-546.53	17.30	32.48	431.03	14.03	.94		.65	.65	.518
		4.6	2004.69	-832.82	-862.03	17.30	28.59	431.03	14.02	.75		.60	.60	.512
		6.1	2004.05	-345.71	-1177.73	17.30	24.62	431.03	14.02	.77		.56	.56	.512
651= 701 JL6= 1		0.0	-1113.01	849.96	677.01	20.21	-15.86	1419.68	-7.79	-.68		.81	.81	.293
		1.8	-1113.74	536.56	200.76	17.03	-13.56	1419.68	-7.79	-.38		.75	.75	.284
		3.5	-1114.46	271.31	-48.98	13.96	-11.35	1419.68	-7.80	-.17		.70	.70	.279
		5.3	-1115.22	52.74	-314.39	10.99	-9.19	1419.68	-7.80	.20		.65	.65	.280
		7.1	-1115.96	-120.64	-517.67	8.12	-7.10	1419.68	-7.81	-.33		.60	.60	.284
653= 703 JL6= 1		0.0	-825.24	-253.75	808.23	-30.56	-23.51	-1385.51	-5.77	-.53		.97	.97	.218
		1.8	-825.97	-729.71	1420.62	-27.19	-21.21	-1385.51	-5.78	-1.00		.92	.92	.233
		3.5	-826.71	-1157.50	1966.50	-24.11	-18.99	-1385.51	-5.78	-1.43		.86	.86	.247
		5.3	-827.45	-1536.01	2448.06	-21.14	-16.83	-1385.51	-5.79	-1.82		.81	.81	.259
		7.1	-828.19	-1674.54	2607.49	-18.27	-14.74	-1385.51	-5.79	-2.15		.76	.76	.270
650= 700 JL6= 1		0.0	2004.06	-345.71	-1177.93	17.30	23.84	430.49	14.02	.77		.55	.55	.512
		1.8	2003.32	116.97	-1546.28	17.30	19.59	430.49	14.01	.97		.50	.50	.519
		3.5	2002.58	489.40	-1914.65	17.30	15.41	430.49	14.01	1.24		.46	.46	.527
		5.3	2001.83	774.13	-2282.98	17.30	11.35	430.49	14.00	1.51		.42	.42	.535
		7.1	2001.08	973.79	-2651.33	17.30	7.42	430.49	14.00	1.77		.40	.40	.543
701= 702 137= 1		0.0	48.95	104.03	-75.27	-4.52	-1.10	-7.86	3.36	2.93		.70	.70	.210
		4.7	48.95	45.27	95.45	-1.74	-.99	-7.86	3.36	2.41		.36	.36	.193
		9.4	48.95	-7.41	121.00	.04	-.88	-7.86	3.36	2.77		.26	.26	.204
		14.1	48.95	-54.02	1.37	3.42	-.77	-7.86	3.36	1.23		.57	.57	.156
		18.8	48.95	-94.56	-263.43	5.99	-.67	-7.86	3.36	6.39		.92	.92	.319
701= 704 137= 1		0.0	-7.37	28.65	60.87	-1.31	-.70	-14.34	-.51	-1.54		.37	.37	.074
		4.7	-7.38	-7.88	97.87	-.01	-.60	-14.34	-.51	-2.24		.25	.25	.096
		9.4	-7.39	-39.00	62.07	1.28	-.51	-14.34	-.51	-1.67		.35	.35	.078
		14.1	-7.41	-65.56	-45.94	2.56	-.45	-14.34	-.51	-1.82		.52	.52	.083
		18.8	-7.44	-87.64	-225.59	3.82	-.36	-14.34	-.51	-5.52		.69	.69	.200
701= 601 JL7= 1		0.0	-528.00	-516.61	-523.33	22.35	-10.84	443.40	-7.47	-.93		.98	.98	.298
		6.6	-529.36	-1102.25	-1908.12	12.85	-4.09	443.40	-7.49	-2.80		.66	.66	.350
		13.2	-530.74	-1182.52	-2581.45	4.53	1.96	443.40	-7.51	-3.61		.42	.42	.376
		19.8	-532.11	-807.93	-2615.10	-3.55	7.41	443.40	-7.53	-3.48		.51	.51	.372
		26.4	-533.47	-23.30	-2071.71	-10.28	12.35	443.40	-7.55	-2.43		.74	.74	.347

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
701- 606	200- 1	0.0	-461.14	-816.37	-440.04	-7.51	7.94	8.88	-12.12	-5.19		.59	.59	.745
		12.2	-461.04	74.76	306.66	-2.95	4.27	8.88	-12.12	-1.77		.30	.30	.616
		24.4	-460.99	449.44	442.32	1.02	.88	8.88	-12.12	-3.53		.10	.10	.682
		36.6	-460.96	342.13	28.56	4.55	-2.31	8.88	-12.12	-1.92		.29	.29	.621
		48.8	-460.94	-216.93	-872.99	7.70	-5.29	8.88	-12.12	-5.03		.52	.52	.739
702- 703	137- 1	0.0	48.50	-90.20	-273.62	-6.22	.56	.24	3.33	6.56		.86	.86	.324
		4.7	48.50	-54.29	4.02	-3.64	.69	.24	3.33	1.24		.51	.51	.155
		9.4	48.50	-12.31	136.47	-1.06	.80	.24	3.33	3.13		.19	.19	.215
		14.1	48.50	35.75	123.76	1.52	.91	.24	3.33	2.94		.25	.25	.209
		18.8	48.50	89.87	-34.14	4.10	1.02	.24	3.33	2.19		.58	.58	.185
702- 704	127- 1	0.0	-8.85	1.03	100.34	2.46	-.63	6.56	-.74	-3.36		.54	.54	.136
		4.7	-8.84	-23.97	-6.01	1.52	-.26	6.56	-.74	-.83		.34	.34	.056
		9.4	-8.84	-28.52	-48.49	.19	.10	6.56	-.74	-1.88		.15	.15	.090
		14.1	-8.83	-13.25	-27.11	-.95	.44	6.56	-.74	-1.01		.29	.29	.062
		18.8	-8.83	21.15	58.12	-2.08	.78	6.56	-.74	-2.07		.48	.48	.096
702- 705	127- 1	0.0	-8.06	-4.03	-90.16	-2.40	-.62	-4.45	-.68	-3.02		.49	.49	.123
		4.7	-8.06	-20.51	12.85	-1.26	-.25	-4.45	-.68	-1.05		.29	.29	.061
		9.4	-8.05	-32.54	52.00	-.13	.11	-4.45	-.68	-2.05		.10	.10	.092
		14.1	-8.05	-16.76	27.28	1.01	.45	-4.45	-.68	-1.07		.26	.26	.061
		18.8	-8.04	18.16	-61.29	2.14	.79	-4.45	-.68	-2.14		.46	.46	.095
703- 705	137- 1	0.0	-22.58	33.56	-109.00	.96	-.69	13.81	-1.55	-2.60		.32	.32	.160
		4.7	-22.58	-2.29	-126.62	-.54	-.59	13.81	-1.55	-2.89		.25	.25	.169
		9.4	-22.60	-32.72	-71.45	-1.62	-.50	13.81	-1.55	-1.79		.39	.39	.134
		14.1	-22.62	-58.41	55.94	-2.90	-.42	13.81	-1.55	-1.85		.56	.56	.136
		18.8	-22.65	-80.00	254.97	-4.17	-.35	13.81	-1.55	-6.10		.73	.73	.270
703- 801	200- 1	0.0	-14.83	16.77	1408.20	17.71	-1.59	-7.92	-.39	-7.88		.96	.96	.267
		12.2	-14.73	-129.38	-478.51	8.22	-.43	-7.92	-.39	-2.77		.46	.46	.105
		24.4	-14.69	-116.64	-1047.61	-.32	.59	-7.92	-.39	-5.90		.06	.06	.204
		36.6	-14.64	37.57	-420.77	-8.12	1.50	-7.92	-.38	-2.36		.46	.46	.092
		48.8	-14.57	318.68	1294.91	-15.19	2.32	-7.92	-.38	-7.46		.83	.83	.254
703- 803	JL7- 1	0.0	-812.70	-1543.51	2390.61	-15.06	-8.13	7.73	-11.50	-3.62		.50	.50	.519
		6.6	-814.06	-1915.17	3246.43	-6.16	-1.39	7.73	-11.52	-4.79		.18	.18	.553
		13.2	-815.43	-1781.26	3390.76	2.56	4.67	7.73	-11.54	-4.87		.15	.15	.556
		19.8	-816.81	-1192.89	2495.47	10.04	10.12	7.73	-11.56	-3.98		.41	.41	.531
		26.4	-818.17	-194.28	1823.11	16.97	15.06	7.73	-11.57	-2.33		.65	.65	.487
704- 705	127- 1	0.0	16.79	19.01	-159.26	-4.62	-.65	-1.73	-1.41	5.36		.81	.81	.219
		4.7	16.79	-0.00	35.81	-2.32	-.33	-1.73	1.41	1.23		.42	.42	.088
		9.4	16.79	-17.73	101.57	-.02	.00	-1.73	1.41	3.45		.03	.03	.158
		14.1	16.79	-8.38	57.98	2.28	.33	-1.73	1.41	1.30		.42	.42	.090
		18.8	16.79	19.44	-154.94	4.58	.66	-1.73	1.41	5.22		.81	.81	.214

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
704- 706	137- 1	0.0	-24.05	-90.75	-8.19	-1.80	1.07	24.56	-1.79	-2.08		.57	.57	.155
		4.7	-24.07	-29.13	57.57	-.54	1.12	24.56	-1.79	-1.47		.45	.45	.136
		9.4	-24.10	34.59	53.23	.69	1.14	24.56	-1.79	-1.45		.46	.46	.135
		14.1	-24.12	99.11	-20.32	1.92	1.15	24.56	-1.79	-2.31		.59	.59	.162
		18.8	-24.13	163.69	-102.17	3.12	1.12	24.56	-1.79	-5.25		.74	.74	.255
705- 706	137- 1	0.0	-40.88	-55.99	58.74	2.18	1.09	-20.08	-2.80	-2.15		.56	.56	.208
		4.7	-40.91	-22.96	-48.54	.93	1.14	-20.08	-2.81	-1.23		.43	.43	.179
		9.4	-40.93	42.17	-65.72	-.31	1.17	-20.08	-2.81	-1.78		.40	.40	.196
		14.1	-40.95	108.10	-13.66	-1.53	1.17	-20.08	-2.81	-2.49		.49	.49	.219
		18.8	-40.96	175.49	106.66	-2.74	1.15	-20.08	-2.81	-4.65		.64	.64	.287
706- 803	200- 1	0.0	473.60	1210.19	-1036.80	-10.64	-10.60	.73	12.45	8.92		.79	.79	.716
		12.2	473.67	-2.00	142.51	-5.52	-5.95	.73	12.45	.80		.43	.43	.459
		24.4	473.73	-545.59	597.08	-.76	-1.39	.73	12.45	4.49		.09	.09	.575
		36.6	473.79	-430.16	388.67	3.53	2.76	.73	12.45	3.24		.24	.24	.535
		48.8	473.90	253.59	-415.50	7.38	6.51	.73	12.46	2.72		.52	.52	.520
706- 806	JL7- 1	0.0	1394.16	2256.28	-1755.50	-6.42	16.76	-200.69	19.78	3.63		.64	.64	.804
		6.6	1394.82	3058.58	-1248.12	-6.42	3.71	-200.69	19.76	4.20		.34	.34	.821
		13.2	1395.48	2873.41	-740.73	-6.42	-8.22	-200.69	19.74	3.77		.42	.42	.807
		19.8	1396.10	1783.91	-233.35	-6.42	-19.19	-200.69	19.72	2.29		.70	.70	.759
		26.4	1342.74	-139.43	274.06	-6.42	-29.32	-200.69	19.70	.39		.98	.98	.698
710- 810	P2- 1	0.0	1013.60	-1843.95	-1300.88	-9.68	-4.86	985.93	4.03	.94		.29	.29	.170
		6.6	1008.77	-2196.45	-519.30	-9.68	-4.06	985.93	4.01	.94		.29	.29	.169
		13.2	1003.94	-2485.52	262.29	-9.68	-3.25	985.93	3.99	1.04		.29	.29	.172
		19.8	999.11	-2710.55	1043.87	-9.68	-2.45	985.93	3.98	1.21		.29	.29	.177
		26.4	994.28	-2872.14	1825.46	-9.68	-1.64	985.93	3.96	1.42		.29	.29	.183
711- 811	P2- 1	0.0	1104.48	-3903.31	1152.53	10.21	-5.26	-50.84	4.40	1.70		.10	.10	.207
		6.6	1102.05	-4289.21	345.42	10.21	-4.48	-50.84	4.38	1.79		.10	.10	.209
		13.2	1097.22	-4611.47	-461.69	10.21	-3.67	-50.84	4.37	1.93		.10	.10	.213
		19.8	1092.39	-4870.09	-1264.80	10.21	-2.87	-50.84	4.35	2.10		.09	.09	.218
		26.4	1087.56	-5065.07	-2075.91	10.21	-2.06	-50.84	4.33	2.28		.09	.09	.225
712- 812	P2- 1	0.0	-2597.53	5463.07	-150.93	-.12	6.48	-247.76	-10.54	-2.28		.10	.10	.443
		6.6	-2602.36	6007.64	-141.53	-.12	7.28	-247.76	-10.55	-2.50		.11	.11	.450
		13.2	-2607.19	6015.21	-132.13	-.12	8.09	-247.76	-10.57	-2.76		.12	.12	.458
		19.8	-2612.02	7286.58	-122.72	-.12	8.89	-247.76	-10.59	-3.04		.12	.12	.466
		26.4	-2616.85	8021.15	-113.32	-.12	9.69	-247.76	-10.41	-3.34		.13	.13	.475
P01- 802	166- 1	0.0	44.56	81.91	-10.36	-3.16	-.71	-7.28	3.06	1.88		.53	.53	.166
		5.6	44.56	36.28	132.66	-1.08	-.64	-7.28	3.06	3.14		.25	.25	.206
		11.3	44.56	-4.42	155.07	1.01	-.57	-7.28	3.06	3.08		.24	.24	.204
		16.9	44.56	-40.17	-3.13	3.09	-.49	-7.28	3.06	.92		.51	.51	.135
		22.5	44.56	-70.98	-281.94	5.17	-.42	-7.28	3.06	6.64		.79	.79	.316

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAT 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
801- 804	100- 1	0.0	-54.07	-8.48	118.19	-.69	-.37	-20.49	-3.71	-2.70		.34	.34	.289
		5.6	-54.06	-30.71	129.81	.34	-.29	-20.49	-3.71	-3.04		.30	.30	.299
		11.3	-54.05	-48.01	71.66	1.38	-.22	-20.49	-3.71	-1.97		.43	.43	.271
		16.9	-54.04	-60.36	-56.27	2.41	-.15	-20.49	-3.71	-1.88		.57	.57	.270
		22.5	-54.03	-67.78	-253.97	3.44	-.07	-20.49	-3.71	-6.00		.71	.71	.385
801- 901	JL8- 1	0.0	-544.59	409.75	-1894.72	5.10	-13.02	-194.09	-7.70	-2.46		.50	.50	.349
		5.8	-546.01	-456.15	-1877.23	-5.43	-8.39	-194.09	-7.72	-2.46		.38	.38	.350
		13.7	-547.43	-980.24	-1348.06	-9.38	-4.20	-194.09	-7.74	-2.12		.41	.41	.341
		20.5	-548.62	-1159.79	-350.15	-14.65	-.36	-194.09	-7.76	-1.55		.54	.54	.326
		27.4	-550.19	-1048.13	1080.35	-19.92	3.14	-194.09	-7.78	-1.91		.69	.69	.337
801- 903	200- 1	0.0	-5.25	99.76	-1125.16	-13.39	-1.30	-34.16	-.14	-6.32		.80	.80	.207
		14.0	-5.19	-51.06	494.40	-6.02	-.53	-34.16	-.14	-2.78		.41	.41	.095
		28.0	-5.18	-86.24	930.22	.74	.10	-34.16	-.14	-5.23		.13	.13	.172
		41.9	-5.14	-24.68	276.37	6.98	.62	-34.16	-.14	-1.55		.46	.46	.056
		55.9	-5.06	115.75	-1385.81	12.77	1.04	-34.16	-.13	-7.78		.77	.77	.253
802- 803	100- 1	0.0	44.82	-75.83	-271.73	-5.06	.46	16.60	3.07	6.44		.89	.89	.311
		5.6	44.82	-42.25	-.13	-2.98	.53	16.60	3.07	.96		.60	.60	.136
		11.3	44.82	-3.74	130.86	-.90	.61	16.60	3.07	2.99		.34	.34	.202
		16.9	44.82	39.72	121.25	1.18	.68	16.60	3.07	2.91		.38	.38	.199
		22.5	44.82	88.11	-28.96	3.27	.75	16.60	3.07	2.12		.65	.65	.174
802- 804	100- 1	0.0	-6.80	-10.70	66.77	1.92	-.44	9.38	-.57	-2.92		.49	.49	.117
		5.6	-6.80	-30.79	-12.57	1.01	-.16	9.38	-.57	-1.11		.33	.33	.060
		11.3	-6.79	-32.62	-50.19	.11	.10	9.38	-.57	-2.01		.18	.18	.088
		16.9	-6.79	-17.74	-26.69	-.80	.35	9.38	-.57	-1.07		.30	.30	.058
		22.5	-6.79	13.51	58.12	-1.71	.58	9.38	-.57	-2.00		.46	.46	.088
802- 805	148- 1	0.0	-7.26	-4.78	-96.97	-1.96	-.44	-11.57	-.61	-3.25		.53	.53	.129
		5.6	-7.25	-25.46	4.83	-1.05	-.17	-11.57	-.61	-.87		.37	.37	.054
		11.3	-7.25	-28.08	45.32	-.15	.09	-11.57	-.61	-1.78		.22	.22	.083
		16.9	-7.24	-13.58	24.49	.76	.34	-11.57	-.61	-.94		.33	.33	.056
		22.5	-7.24	17.08	-57.66	1.67	.57	-11.57	-.61	-2.01		.49	.49	.090
803- 805	100- 1	0.0	19.99	-17.20	-101.18	.65	-.37	17.99	1.37	2.34		.33	.33	.122
		5.6	20.00	-39.94	-123.43	-.19	-.30	17.99	1.37	2.96		.25	.25	.141
		11.3	20.01	-57.75	-75.92	-1.22	-.23	17.99	1.37	2.18		.38	.38	.117
		16.9	20.02	-70.02	41.38	-2.25	-.15	17.99	1.37	1.87		.52	.52	.107
		22.5	20.03	-78.54	224.44	-3.29	-.08	17.99	1.37	5.51		.66	.66	.222
803- 903	JL8- 1	0.0	-350.92	-734.59	2103.30	2.48	-4.98	115.03	-4.96	-2.91		.23	.23	.265
		5.8	-352.33	-954.68	1686.88	9.02	-.34	115.03	-4.98	-2.46		.33	.33	.251
		13.7	-353.75	-808.20	698.76	14.97	3.85	115.03	-5.00	-1.36		.51	.51	.220
		20.5	-355.14	-332.17	-758.06	20.44	7.69	115.03	-5.02	-1.05		.69	.69	.212
		27.4	-356.52	445.07	-2647.49	25.51	11.18	115.03	-5.04	-3.41		.86	.86	.284

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
803= 906 200= 1		0.0	-424.30	-962.06	271.91	5.62	6.38	34.46	-11.26	-5.60		.54	.54	.776
		14.0	-424.18	-110.04	-377.28	2.15	5.80	34.46	-11.26	-2.20		.33	.33	.635
		28.0	-424.11	516.39	-465.23	-1.07	1.30	34.46	-11.25	-3.15		.19	.19	.675
		41.9	-424.08	331.72	-31.51	-4.06	-1.11	34.46	-11.25	-1.86		.32	.32	.621
		55.9	-424.01	-51.87	882.11	-6.78	-3.46	34.46	-11.25	-4.94		.50	.50	.749
804= 805 145= 1		0.0	13.99	25.09	-148.85	-3.68	-.46	2.19	1.18	5.05		.66	.66	.201
		5.6	13.99	1.69	37.05	-1.62	-.23	2.19	1.18	1.24		.35	.35	.080
		11.3	13.99	-6.51	97.43	.04	-.01	2.19	1.18	3.27		.04	.04	.144
		16.9	13.99	.51	32.29	1.69	.22	2.19	1.18	1.08		.36	.36	.075
		22.5	13.99	22.75	-158.37	3.75	.44	2.19	1.18	5.35		.67	.67	.210
804= 805 146= 1		0.0	-69.09	-85.59	-47.00	-1.78	.96	16.49	-4.74	-2.19		.47	.47	.345
		5.6	-69.06	-16.39	38.33	-.76	1.02	16.49	-4.74	-.95		.36	.36	.299
		11.3	-69.09	53.65	55.56	.24	1.05	16.49	-4.74	-1.77		.34	.34	.327
		16.9	-69.09	125.23	6.22	1.22	1.06	16.49	-4.74	-2.86		.41	.41	.372
		22.5	-69.07	195.85	-108.64	2.18	1.05	16.49	-4.74	-5.11		.52	.52	.443
805= 806 168= 1		0.0	4.72	-89.50	12.42	1.53	.93	-23.33	.32	2.06		.51	.51	.077
		5.6	4.73	-24.56	-56.44	.51	.99	-23.33	.32	1.40		.42	.42	.056
		11.3	4.72	43.41	-57.19	-.49	1.02	-23.33	.32	1.64		.42	.42	.063
		16.9	4.71	112.52	8.64	-1.46	1.02	-23.33	.32	2.58		.51	.51	.093
		22.5	4.73	180.87	139.97	-2.42	1.00	-23.33	.32	5.22		.63	.63	.176
806= 901 200= 1		0.0	450.96	1141.99	922.98	8.24	-7.90	6.25	11.33	8.30		.62	.62	.657
		14.0	451.04	110.65	-121.00	4.23	-4.56	6.25	11.33	.95		.34	.34	.424
		28.0	451.14	-374.61	-506.58	.41	-1.36	6.25	11.33	3.53		.09	.09	.506
		41.9	451.21	-351.32	-279.04	-3.07	1.60	6.25	11.33	2.51		.20	.20	.474
		55.9	451.31	148.24	507.30	-6.25	4.32	6.25	11.34	2.96		.42	.42	.488
806= 906 JL6= 1		0.0	922.02	1026.58	-552.61	-6.68	13.89	326.40	13.07	1.47		.64	.64	.502
		2.8	922.53	1763.36	15.64	-6.68	8.12	326.40	13.05	2.24		.43	.43	.525
		13.7	921.23	1725.29	503.89	-6.68	-5.00	326.40	13.03	2.31		.44	.44	.527
		20.5	919.33	956.33	1112.14	-6.68	-13.59	326.40	13.01	1.86		.64	.64	.512
		27.4	918.43	-497.54	1660.39	-6.68	-21.75	326.40	12.99	2.20		.85	.85	.522
810= 910 P2= 1		0.0	994.37	-2875.31	1827.29	-10.04	18.22	-335.10	3.96	1.42		.24	.24	.183
		2.8	989.35	-1544.53	2851.67	-10.04	19.06	-335.10	3.94	1.24		.24	.24	.176
		13.7	984.34	254.94	3476.04	-10.04	19.90	-335.10	3.92	1.45		.25	.25	.182
		20.5	979.32	1923.08	4300.42	-10.04	20.73	-335.10	3.90	1.96		.25	.25	.198
		27.4	974.31	3659.90	5124.79	-10.04	21.57	-335.10	3.88	2.62		.26	.26	.218
811= 911 P2= 1		0.0	1067.74	-5067.97	-2071.33	10.52	39.50	407.61	4.33	2.28		.41	.41	.223
		2.8	1062.72	-3789.65	-2918.75	10.52	40.34	407.61	4.31	1.43		.42	.42	.195
		13.7	1077.71	1557.34	-5766.17	10.52	41.18	407.61	4.29	1.70		.42	.42	.203
		20.5	1072.69	4973.01	-4613.60	10.52	42.01	407.61	4.27	2.83		.43	.43	.238
		27.4	1067.68	8457.36	-5461.02	10.52	42.85	407.61	4.25	4.20		.44	.44	.281

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
812- 912	P2- 1	0.0	-2617.18	8021.15	-117.60	-.12	-58.06	628.50	-10.41	-3.34		.59	.59	.476
		6.8	-2622.19	3287.74	-107.83	-.12	-57.22	628.50	-10.43	-1.37		.59	.59	.423
		13.7	-2627.21	-1377.03	-98.07	-.12	-56.39	628.50	-10.45	-.58		.58	.58	.401
		20.5	-2632.22	-5973.16	-88.30	-.12	-55.55	628.50	-10.47	-2.49		.57	.57	.455
		27.4	-2637.24	-10500.65	-78.54	-.12	-54.72	628.50	-10.49	-4.38		.57	.57	.508
901- 902	189- 1	0.0	-41.54	65.04	22.29	-2.93	-.56	-19.15	-1.96	-1.00		.42	.42	.153
		6.5	-41.54	25.12	176.02	-.95	-.47	-19.15	-1.96	-2.57		.24	.24	.202
		13.2	-41.54	-8.06	172.82	1.03	-.37	-19.15	-1.96	-2.50		.24	.24	.200
		19.8	-41.54	-33.93	12.68	3.01	-.28	-19.15	-1.96	-.52		.42	.42	.137
		26.4	-41.54	-52.47	-304.40	4.99	-.19	-19.15	-1.96	-4.47		.61	.61	.262
901- 904	189- 1	0.0	-130.05	-67.39	165.44	-.45	-.17	-17.19	-6.13	-2.58		.17	.17	.459
		6.6	-131.02	-77.36	162.55	.52	-.08	-17.19	-6.13	-2.60		.17	.17	.461
		13.2	-129.99	-80.01	62.46	1.50	.01	-17.19	-6.13	-1.66		.27	.27	.437
		19.8	-129.97	-75.33	-74.84	2.47	.11	-17.19	-6.13	-1.54		.36	.36	.433
		26.4	-129.94	-63.33	-309.35	3.45	.20	-17.19	-6.13	-4.57		.45	.45	.515
901-1001	JL9- 1	0.0	-58.65	-1285.12	954.30	10.72	.12	-284.71	-.03	-2.04		.48	.48	.095
		6.8	-60.03	-1141.82	269.71	6.01	3.32	-284.71	-.85	-1.49		.38	.38	.078
		13.7	-61.45	-746.45	-42.45	1.68	6.25	-284.71	-.67	-.95		.36	.36	.062
		20.5	-62.85	-127.59	-22.00	-1.98	8.71	-284.71	-.89	-.16		.43	.43	.038
		27.4	-64.25	641.30	213.17	-3.26	9.72	-284.71	-.91	-.86		.47	.47	.060
901-1002	160- 1	0.0	9.43	50.59	-255.20	-5.21	-.72	-32.58	.51	2.15		.49	.49	.079
		9.5	9.36	-8.74	102.57	-2.17	-.34	-32.58	.51	1.64		.29	.29	.063
		18.9	9.26	-26.55	263.91	.69	-.02	-32.58	.31	2.38		.19	.19	.086
		28.4	9.18	-16.43	40.56	5.13	.22	-32.58	.30	.39		.35	.35	.023
		37.8	9.10	18.21	-389.79	4.17	.37	-32.58	.30	3.49		.42	.42	.121
901-1004	160- 1	0.0	-432.19	-273.58	-53.05	-2.31	3.27	-25.92	-14.32	-2.50		.38	.38	.741
		9.5	-432.26	-4.14	133.69	-1.00	1.46	-25.92	-14.32	-1.20		.23	.23	.690
		18.9	-432.33	64.31	176.60	.22	-.25	-25.92	-14.32	-1.68		.14	.14	.709
		28.4	-432.42	-54.46	88.97	1.28	-1.77	-25.92	-14.32	-.93		.26	.26	.680
		37.8	-432.52	-301.40	-91.39	1.79	-2.40	-25.92	-14.33	-2.82		.31	.31	.755
902- 903	189- 1	0.0	-40.78	-51.50	-274.49	-4.65	.15	18.22	-1.92	-4.04		.57	.57	.247
		6.5	-40.78	-37.53	15.27	-2.67	.22	18.22	-1.92	-.59		.38	.38	.137
		13.2	-40.78	-16.23	148.10	-.09	.32	18.22	-1.92	-2.16		.20	.20	.187
		19.8	-40.78	12.39	124.00	1.29	.41	18.22	-1.92	-1.80		.26	.26	.176
		26.4	-40.78	46.33	-57.04	3.28	.50	18.22	-1.92	-1.08		.44	.44	.153
902- 904	189- 1	0.0	-5.80	-15.35	77.51	1.61	-.16	10.53	-.49	-2.64		.45	.45	.106
		6.6	-5.87	-22.53	-19.57	.84	-.02	10.53	-.49	-1.00		.32	.32	.054
		13.2	-5.87	-19.28	-54.53	.04	.11	10.53	-.49	-1.93		.20	.20	.084
		19.8	-5.87	-5.57	-26.24	-.76	.24	10.53	-.49	-.90		.31	.31	.051
		26.4	-5.65	16.60	66.41	-1.56	.37	10.53	-.49	-2.31		.45	.45	.095

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
902- 905 149- 1		0.0	-7.19	-16.06	-107.41	-1.72	-.16	-9.84	-.60	-3.63		.45	.45	.142
		6.6	-7.20	-23.58	-1.94	-.94	-.03	-9.84	-.60	-.79		.32	.32	.053
		13.2	-7.20	-20.64	41.41	-.15	.10	-9.84	-.60	-1.55		.20	.20	.076
		19.8	-7.19	-7.25	21.53	.65	.24	-9.84	-.60	-.76		.28	.28	.052
		26.4	-7.18	16.61	-62.73	1.48	.37	-9.84	-.60	-2.17		.42	.42	.096
903- 905 189- 1		0.0	168.65	-75.13	-83.03	1.06	-.14	14.95	7.95	1.62		.21	.21	.328
		6.6	168.68	-82.68	-128.72	.09	-.05	14.95	7.95	2.21		.12	.12	.547
		13.2	168.71	-82.89	-97.20	-.69	.04	14.95	7.96	1.85		.19	.19	.335
		19.8	168.74	-75.78	11.52	-1.86	.14	14.95	7.96	1.11		.28	.28	.312
		26.4	168.77	-61.35	197.46	-2.83	.23	14.95	7.96	2.99		.38	.38	.372
903-1002 100- 1		0.0	-10.74	29.10	538.95	5.65	-.65	28.37	-.36	-3.05		.50	.50	.112
		9.5	-10.81	-23.09	-128.75	2.61	-.28	28.37	-.36	-1.17		.30	.30	.053
		18.9	-10.91	-35.77	-260.00	-.65	.04	28.37	-.36	-2.35		.14	.14	.091
		28.4	-10.99	-16.52	-86.56	-2.69	.29	28.37	-.36	-.79		.31	.31	.041
		37.3	-11.07	25.25	244.88	-3.73	.43	28.37	-.37	-2.64		.38	.38	.100
903-1003 JL4- 1		0.0	-64.75	392.50	-2822.18	-10.56	-5.10	508.65	-.92	-3.62		.81	.81	.148
		6.8	-66.15	106.07	-1658.19	-11.85	-1.90	508.65	-.94	-2.11		.66	.66	.101
		13.7	-67.58	72.89	-866.63	-7.51	1.02	508.65	-.96	-1.11		.54	.54	.070
		20.5	-68.97	282.80	-407.67	-3.86	3.48	508.65	-.98	-.62		.47	.47	.055
		27.4	-70.36	602.54	-163.45	-2.57	4.50	508.65	-1.00	-.79		.47	.47	.062
903-1005 100- 1		0.0	-438.60	-446.26	17.88	2.06	4.01	46.72	-14.53	-4.00		.51	.51	.812
		9.5	-438.67	-93.52	-140.67	.75	2.22	46.72	-14.53	-1.51		.36	.36	.712
		18.9	-438.75	58.63	-155.39	-.47	.48	46.72	-14.53	-1.49		.25	.25	.711
		28.4	-438.82	23.36	-39.56	-1.53	-1.04	46.72	-14.54	-.41		.33	.33	.669
		37.8	-438.93	-140.08	169.00	-2.03	-1.66	46.72	-14.54	-1.97		.38	.38	.731
904- 905 149- 1		0.0	12.96	23.83	-151.06	-3.23	-.27	-.60	1.09	5.11		.55	.55	.200
		6.6	12.96	7.74	59.18	-1.58	-.14	-.60	1.09	1.34		.28	.28	.080
		13.2	12.96	2.10	98.74	.07	-.01	-.60	1.09	3.30		.02	.02	.142
		19.8	12.96	6.91	27.61	1.72	.13	-.60	1.09	.95		.30	.30	.068
		26.4	12.96	22.18	-174.19	3.37	.26	-.60	1.09	5.87		.58	.58	.224
904- 906 189- 1		0.0	-143.51	-74.54	-91.87	-1.94	.84	25.14	-6.77	-1.71		.38	.38	.478
		6.6	-143.48	-4.49	23.04	-.97	.93	25.14	-6.77	-.34		.31	.31	.426
		13.2	-143.47	72.68	61.90	-.02	1.02	25.14	-6.77	-1.38		.28	.28	.470
		19.8	-143.46	157.57	25.85	.92	1.12	25.14	-6.77	-2.31		.32	.32	.518
		26.4	-143.46	249.58	-83.99	1.85	1.21	25.14	-6.77	-3.81		.39	.39	.579
905- 906 189- 1		0.0	154.50	-73.18	-59.47	1.18	.85	-23.29	7.29	1.20		.31	.31	.292
		6.6	154.53	-1.84	-94.23	.21	.95	-23.29	7.29	1.36		.26	.26	.297
		13.2	154.54	70.82	-72.94	-.74	1.04	-23.29	7.29	1.53		.29	.29	.302
		19.8	154.55	142.80	23.26	-1.68	1.13	-23.29	7.29	2.36		.36	.36	.329
		26.4	154.55	256.10	193.25	-2.61	1.22	-23.29	7.29	4.64		.44	.44	.401

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
905-1004	100- 1	0.0	430.92	442.35	238.18	3.22	-4.08	-28.98	14.27	4.50		.47	.47	.639
		9.5	430.87	86.35	-29.55	1.51	-2.20	-28.98	14.27	.82		.31	.31	.523
		18.9	430.78	-60.10	-106.01	-.13	-.40	-28.98	14.27	1.09		.16	.16	.531
		28.4	430.70	-13.15	-6.19	-1.56	1.16	-28.98	14.27	.13		.26	.26	.501
		37.8	430.62	170.05	217.11	-2.22	1.90	-28.98	14.26	2.47		.32	.32	.575
906-1005	100- 1	0.0	440.97	284.65	-272.55	-3.35	-3.38	-7.28	14.61	3.53		.35	.35	.620
		9.5	440.92	6.12	10.37	-1.64	-1.50	-7.28	14.61	.12		.18	.18	.512
		18.9	440.83	-58.84	102.03	.00	.30	-7.28	14.60	1.05		.05	.05	.542
D		28.4	440.75	57.60	17.40	1.43	1.86	-7.28	14.60	.62		.19	.19	.528
		37.8	440.67	330.29	-190.70	2.08	2.60	-7.28	14.60	3.41		.25	.25	.616
D	906-1006 JL9- 1	0.0	117.18	464.95	2044.41	6.51	9.72	-1.01	1.66	2.67		.33	.33	.142
		6.8	115.79	941.18	1526.20	6.51	1.94	-1.01	1.64	2.28		.19	.19	.129
		13.7	114.41	794.64	1007.99	6.51	-5.43	-1.01	1.62	1.63		.24	.24	.108
D		20.5	113.02	64.79	489.79	6.51	-12.16	-1.01	1.60	.63		.39	.39	.076
		27.4	111.62	-1134.56	-28.42	6.51	-16.59	-1.01	1.58	1.44		.50	.50	.101
D	910-1010 P3- 1	0.0	973.74	3659.74	5126.29	-10.41	-110.83	-684.66	3.29	2.27		.88	.88	.187
		6.8	967.44	-5401.25	5981.50	-10.41	-109.85	-684.66	3.27	2.91		.87	.87	.206
		13.7	961.94	-14381.46	6836.71	-10.41	-108.86	-684.66	3.25	5.74		.86	.86	.295
D		20.5	956.04	-23280.88	7691.93	-10.41	-107.88	-684.66	3.23	8.84		.86	.86	.392
		27.4	950.15	-32099.50	6547.14	-10.41	-106.90	-684.66	3.21	11.98		.85	.85	.491
D	911-1011 P3- 1	0.0	1066.93	8456.92	-5465.14	10.81	-131.36	1370.54	3.61	3.63		1.14	1.14	.241
		6.8	1061.03	-2249.61	-6353.14	10.81	-130.37	1370.54	3.59	2.44		1.13	1.13	.202
		13.7	1055.13	-12955.34	-7241.14	10.81	-129.39	1370.54	3.57	5.35		1.13	1.13	.294
D		20.5	1049.24	-23540.29	-8129.14	10.81	-128.41	1370.54	3.55	8.98		1.12	1.12	.408
		27.4	1043.34	-34044.45	-9017.14	10.81	-127.42	1370.54	3.53	12.70		1.11	1.11	.525
D	912-1012 P3- 1	0.0	-2652.07	-10500.65	-69.18	-.12	211.59	146.28	-8.90	-3.79		1.46	1.46	.433
		6.8	-2647.97	6414.65	-59.42	-.12	212.57	146.28	-8.92	-2.49		1.46	1.46	.398
		13.7	-2643.87	24410.69	-49.65	-.12	213.55	146.28	-8.94	-8.80		1.47	1.47	.590
D		20.5	-2649.77	41987.47	-39.89	-.12	214.54	146.28	-8.96	-15.14		1.48	1.48	.791
		27.4	-2655.67	59645.00	-30.12	-.12	215.52	146.28	-8.98	-21.51		1.48	1.48	.993
D	1001-1002 200- 1	0.0	225.42	-142.97	386.33	1.08	.52	23.45	5.93	2.31		.13	.13	.279
		7.6	225.42	-98.99	281.44	1.23	.45	23.45	5.93	1.67		.13	.13	.259
		15.2	225.42	-61.90	162.78	1.38	.37	23.45	5.93	.97		.14	.14	.237
D		22.7	225.42	-31.70	50.34	1.53	.29	23.45	5.93	.25		.15	.15	.214
		30.3	225.42	-6.39	-115.89	1.68	.22	23.45	5.93	.65		.15	.15	.227
D	1001-1004 200- 1	0.0	223.51	-489.34	544.57	1.66	1.73	103.75	5.88	4.10		.42	.42	.334
		7.6	223.52	-335.24	372.45	1.93	1.66	103.75	5.88	2.80		.42	.42	.293
		15.2	223.50	-188.02	191.66	2.05	1.58	103.75	5.88	1.50		.43	.43	.252
D		22.7	223.51	-47.70	-1.47	2.21	1.51	103.75	5.88	.27		.43	.43	.213
		30.3	223.52	85.13	-209.76	2.37	1.43	103.75	5.88	1.27		.44	.44	.245
D														
D														

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 — DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
1002-1003	200- 1	0.0	239.51	7.30	-156.16	-1.61	-.26	-109.14	6.50	.87		.39	.39	.247
		7.6	239.51	-19.92	-17.10	-1.45	-.34	-109.14	6.50	.15		.38	.38	.224
		15.2	239.51	-54.02	108.19	-1.30	-.41	-109.14	6.50	.68		.38	.38	.241
		22.7	239.51	-95.01	219.70	-1.15	-.49	-109.14	6.50	1.34		.37	.37	.262
		30.3	239.51	-102.89	317.43	-1.00	-.56	-109.14	6.50	1.95		.37	.37	.281
1002-1004	140- 1	0.0	-6.38	-193.38	-25.79	-.09	1.16	31.50	-.40	-3.66		.44	.44	.133
		7.6	-6.35	-93.10	-14.89	-.15	1.05	31.50	-.40	-1.77		.43	.43	.075
		15.2	-6.31	-2.46	1.98	-.22	.94	31.50	-.39	-.06		.42	.42	.019
		22.7	-6.29	78.53	25.10	-.29	.84	31.50	-.39	-1.55		.41	.41	.066
		30.3	-6.30	149.87	55.91	-.39	.73	31.50	-.39	-3.00		.40	.40	.112
1002-1005	140- 1	0.0	-6.38	-236.59	1.87	-.02	1.29	-23.24	-.40	-4.44		.38	.38	.158
		7.6	-6.34	-123.94	.28	.05	1.19	-23.24	-.40	-2.33		.37	.37	.091
		15.2	-6.30	-20.93	-7.28	.12	1.08	-23.24	-.39	-.42		.35	.35	.030
		22.7	-6.28	72.43	-21.09	.19	.97	-23.24	-.39	-1.42		.34	.34	.062
		30.3	-6.29	156.15	-42.59	.28	.87	-23.24	-.39	-3.04		.33	.33	.113
1003-1005	200- 1	0.0	248.40	-515.58	-442.31	-1.45	2.40	-60.00	6.53	3.80		.32	.32	.346
		7.6	248.42	-300.01	-306.72	-1.53	2.32	-60.00	6.53	2.40		.31	.31	.305
		15.2	248.40	-92.74	-162.49	-1.65	2.25	-60.00	6.53	1.05		.31	.31	.260
		22.7	248.40	108.24	-5.87	-1.80	2.17	-60.00	6.53	.61		.32	.32	.246
		30.3	248.41	302.55	165.90	-1.97	2.10	-60.00	6.53	1.93		.32	.32	.288
1004-1005	140- 1	0.0	13.61	2.64	-46.70	-.46	.35	-8.67	.85	.88		.15	.15	.057
		7.6	13.61	29.93	-15.03	-.23	.25	-8.67	.85	.63		.12	.12	.049
		15.1	13.61	47.57	-4.02	-.01	.14	-8.67	.85	.90		.10	.10	.058
		22.7	13.61	55.58	-13.66	.22	.04	-8.67	.85	1.07		.11	.11	.064
		30.3	13.61	53.95	-43.97	.45	-.07	-8.67	.85	1.31		.14	.14	.071
1004-1006	200- 1	0.0	-392.73	-334.50	20.07	.22	2.75	27.52	-10.32	-1.88		.22	.22	.605
		7.6	-392.72	-86.24	-7.66	.39	2.67	27.52	-10.32	-.50		.22	.22	.546
		15.1	-392.71	151.14	-51.11	.58	2.60	27.52	-10.32	-.89		.22	.22	.562
		22.7	-392.73	385.63	-114.62	.83	2.52	27.52	-10.32	-2.24		.22	.22	.618
		30.3	-392.75	609.24	-202.57	1.10	2.44	27.52	-10.32	-3.59		.22	.22	.674
1005-1006	200- 1	0.0	-379.16	-141.63	36.03	.33	2.24	28.11	-9.97	-.82		.20	.20	.540
		7.6	-379.15	58.17	13.86	.16	2.16	28.11	-9.97	-.33		.19	.19	.520
		15.1	-379.14	251.26	7.41	-.03	2.09	28.11	-9.97	-1.41		.19	.19	.566
		22.7	-379.16	437.51	21.03	-.28	2.01	28.11	-9.97	-2.45		.19	.19	.610
		30.3	-379.17	616.65	59.08	-.55	1.94	28.11	-9.97	-3.47		.18	.18	.652

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
101- 102 W16- 1		0.0	-5.73	426.44	-80.62	-.05	-7.11	.01	-.35	4.79	-7.52	.08	1.10	.428
		3.6	-5.73	154.07	-52.35	-.05	-5.39	.01	-.35	1.74	-4.88	.08	.84	.240
		7.3	-5.73	-42.19	-24.09	-.05	-3.66	.01	-.35	-.47	-2.25	.08	.57	.108
		10.9	-5.73	-164.16	4.18	-.05	-1.94	.01	-.35	-1.84	.39	.08	.30	.087
		14.5	-5.73	-211.22	32.44	-.05	-.22	.01	-.35	-2.37	3.03	.08	.03	.195
101- 104 W16- 1		0.0	-6.75	431.92	-82.17	-.07	-7.34	-.01	-.42	4.85	-7.67	.08	1.14	.438
		3.6	-6.75	150.31	-52.90	-.07	-5.62	-.01	-.42	1.69	-4.94	.08	.87	.243
		7.2	-6.75	-50.46	-23.64	-.07	-3.89	-.01	-.42	-.63	-2.20	.08	.60	.114
		10.9	-6.75	-198.59	5.63	-.07	-2.17	-.01	-.42	-2.11	.53	.08	.34	.103
		14.5	-6.75	-245.49	34.90	-.07	-.45	-.01	-.42	-2.75	3.26	.08	.07	.218
101- 201 DKL- 1		0.0	-19.45	-374.00	642.50	9.68	4.86	-162.79	-.21	-1.16		.37	.37	.045
		3.8	-20.61	-155.50	206.77	9.68	4.86	-162.79	-.23	-.40		.37	.37	.021
		7.5	-21.77	63.00	-228.96	9.68	4.86	-162.79	-.24	-.37		.37	.37	.020
		11.3	-22.93	281.50	-664.69	9.68	4.86	-162.79	-.25	-1.13		.37	.37	.045
		15.0	-24.10	500.00	-1100.42	9.68	4.86	-162.79	-.26	-1.89		.37	.37	.069
102- 103 W18- 1		0.0	-6.42	-210.25	24.43	.54	.14	-.01	-.40	-2.36	2.28	.04	.02	.171
		3.6	-6.42	-166.55	9.70	.54	1.87	-.01	-.40	-1.87	.90	.04	.29	.107
		7.3	-6.42	-47.96	-5.03	.54	3.59	-.01	-.40	-.54	-.47	.04	.56	.050
		10.9	-6.42	145.54	-19.76	.54	5.31	-.01	-.40	1.63	-1.84	.04	.82	.133
		14.5	-6.42	413.94	-34.49	.54	7.03	-.01	-.40	4.65	-3.22	.04	1.09	.276
102- 104 W08- 1		0.0	-.10	.99	6.54	.07	-.17	.00	-.01	.05	1.17	.01	.09	.043
		3.6	-.10	-4.43	3.37	.07	-.08	.00	-.01	-.21	.60	.01	.04	.029
		7.2	-.10	-6.06	.21	.07	.01	.00	-.01	-.29	.04	.01	.00	.011
		10.9	-.10	-3.91	-2.96	.07	.09	.00	-.01	-.19	-.53	.01	.05	.025
		14.5	-.10	2.02	-6.12	.07	.18	.00	-.01	.10	-1.09	.01	.09	.042
102- 105 W08- 1		0.0	1.19	-.96	1.47	-.01	-.20	-.00	.17	-.05	.26	.00	.10	.017
		3.6	1.19	-7.01	2.07	-.01	-.11	-.00	.17	-.37	.37	.00	.06	.030
		7.2	1.19	-10.48	2.66	-.01	-.02	-.00	.17	-.50	.47	.00	.01	.038
		10.9	1.19	-9.57	3.25	-.01	.06	-.00	.17	-.46	.58	.00	.03	.041
		14.5	1.19	-4.08	3.84	-.01	.15	-.00	.17	-.23	.69	.00	.08	.037
103- 105 W16- 1		0.0	-8.08	340.62	23.76	.15	-6.61	.04	-.50	3.82	2.22	.02	1.03	.219
		3.6	-8.08	90.77	17.53	.15	-4.89	.04	-.50	1.02	1.62	.02	.76	.110
		7.2	-8.08	-84.44	10.90	.15	-3.17	.04	-.50	-.95	1.02	.02	.49	.086
		10.9	-8.08	-184.61	4.47	.15	-1.45	.04	-.50	-2.07	.42	.02	.23	.101
		14.5	-8.08	-210.35	-1.96	.15	.27	.04	-.50	-2.36	-.18	.02	.04	.102
103- 203 DKL- 1		0.0	-18.64	-295.11	-584.45	-10.59	6.58	58.25	-.20	-1.02		.32	.32	.040
		3.8	-19.80	.98	-108.10	-10.59	6.58	58.25	-.22	-.17		.32	.32	.013
		7.5	-20.97	297.06	368.25	-10.59	6.58	58.25	-.23	-.74		.32	.32	.032
		11.3	-22.13	593.14	844.60	-10.59	6.58	58.25	-.24	-1.61		.32	.32	.060
		15.0	-23.29	889.22	1320.95	-10.59	6.58	58.25	-.26	-2.49		.32	.32	.088

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
104- 105 #66- 1		0.0	-1.11	-2.06	.62	-.02	-.13	-.01	-.16	-.10	.11	.00	.07	.017
		3.6	-1.11	-6.02	1.53	-.02	-.05	-.01	-.16	-.29	.27	.01	.03	.029
		7.3	-1.11	-6.19	2.45	-.02	.04	-.01	-.16	-.30	.44	.01	.02	.035
		10.9	-1.11	-2.58	3.36	-.02	.13	-.01	-.16	-.12	.60	.01	.07	.035
		14.5	-1.11	4.62	4.27	-.02	.21	-.01	-.16	.23	.76	.01	.11	.044
104- 106 #16- 1		0.0	-6.20	-243.45	28.16	.41	-.14	.04	-.38	-2.73	2.63	.05	.02	.194
		3.6	-6.20	-212.01	10.15	.41	1.58	.04	-.38	-2.38	.95	.05	.25	.124
		7.3	-6.20	-105.65	-7.86	.41	3.31	.04	-.38	-1.19	-.73	.05	.51	.079
		10.9	-6.20	75.63	-25.87	.41	5.03	.04	-.38	.85	-2.41	.05	.78	.127
		14.5	-6.20	337.98	-43.88	.41	11.75	.04	-.38	3.79	-4.09	.05	1.82	.279
105- 106 #16- 1		0.0	-6.90	-215.20	6.15	.22	.64	.02	-.43	-2.41	.57	.03	.10	.114
		3.6	-6.90	-149.99	-3.58	.22	2.36	.02	-.43	-1.68	-.33	.03	.37	.083
		7.3	-6.90	-4.85	-13.26	.22	4.08	.02	-.43	-.11	-1.24	.03	.63	.065
		10.9	-6.90	205.21	-22.97	.22	5.80	.02	-.43	2.30	-2.14	.03	.90	.105
		14.5	-6.90	495.20	-32.68	.22	7.53	.02	-.43	5.56	-3.05	.03	1.17	.300
106- 206 DRL- 1		0.0	-25.10	721.60	78.65	5.50	-3.47	76.56	-.28	-1.14		.20	.20	.046
		3.8	-26.26	565.43	-166.94	5.50	-3.47	76.56	-.29	-.92		.20	.20	.040
		7.5	-27.42	409.26	-416.52	5.50	-3.47	76.56	-.30	-.91		.20	.20	.040
		11.3	-28.58	253.09	-664.11	5.50	-3.47	76.56	-.31	-1.11		.20	.20	.047
		15.0	-29.75	96.91	-911.70	5.50	-3.47	76.56	-.33	-1.43		.20	.20	.057
201- 202 #16- 1		0.0	-24.16	595.12	-85.41	-.70	-10.25	.01	-1.49	6.68	-7.97	.08	1.59	.551
		3.6	-24.16	203.22	-54.95	-.70	-7.77	.01	-1.49	2.28	-5.13	.08	1.21	.313
		7.3	-24.16	-80.68	-24.49	-.70	-5.28	.01	-1.49	-.91	-2.28	.08	.82	.171
		10.9	-24.16	-256.55	5.97	-.70	-2.80	.01	-1.49	-2.88	.56	.08	.43	.173
		14.5	-24.16	-324.41	36.43	-.70	-.32	.01	-1.49	-3.64	3.40	.08	.05	.296
201- 204 #16- 1		0.0	53.58	550.36	-86.65	-.73	-9.85	-.02	3.31	5.95	-8.08	.09	1.53	.585
		3.6	53.58	156.04	-54.90	-.73	-7.35	-.02	3.31	1.76	-5.12	.09	1.14	.349
		7.2	53.58	-108.77	-23.15	-.73	-4.87	-.02	3.31	-1.22	-2.16	.09	.76	.229
		10.9	53.58	-266.45	8.60	-.73	-2.39	-.02	3.31	-2.99	.80	.09	.37	.238
		14.5	53.58	-316.22	40.35	-.73	.10	-.02	3.31	-3.55	3.76	.09	.02	.358
201- 301 DRL- 1		0.0	-48.80	131.57	-166.99	-.44	-49.50	-445.52	-.54	-.33		1.44	1.44	.030
		3.8	-49.96	-2096.25	-147.23	-.44	-49.50	-445.52	-.55	-3.29		1.44	1.44	.124
		7.5	-51.12	-4263.77	-127.41	-.50	-49.40	-445.52	-.56	-6.77		1.43	1.43	.234
		11.3	-52.28	-6472.66	-81.87	-2.62	-45.76	-445.52	-.57	-10.13		1.35	1.35	.341
		15.0	-52.86	-8412.68	124.82	-5.81	-40.26	-445.52	-.58	-13.16		1.24	1.24	.438
201- 303 120- 1		0.0	4.44	72.99	-139.93	1.07	-1.33	-29.63	-.16	1.97		.31	.31	.068
		6.2	4.26	-23.54	-248.74	1.07	-.64	-29.63	.15	3.07		.27	.27	.102
		16.3	3.92	-51.49	-349.54	1.07	.06	-29.63	.14	4.41		.26	.26	.144
		24.5	3.55	-6.72	-394.72	-2.65	.97	-29.63	.13	4.93		.38	.38	.160
		32.6	3.30	75.54	-645.35	-19.74	.26	-29.63	.12	8.11		1.58	1.58	.261

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8 — DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
202- 203 #16- 1		0.0	-25.02	-326.33	28.00	.59	.06	.01	-1.54	-3.66	2.61	.05	.01	.272
		5.6	-25.02	-269.82	11.08	.59	2.54	.01	-1.54	-3.03	1.03	.05	.39	.197
		7.3	-25.02	-105.30	-5.83	.59	5.02	.01	-1.54	-1.18	-.54	.05	.78	.121
		10.9	-25.02	167.24	-22.74	.59	7.51	.01	-1.54	1.88	-2.12	.05	1.17	.198
		14.5	-25.02	547.79	-39.66	.59	9.99	.01	-1.54	6.15	-3.70	.05	1.55	.388
202- 204 #06- 1		0.0	-.22	-1.91	7.41	.08	-.17	.00	-.03	-.09	1.32	.02	.09	.051
		3.5	-.22	-7.42	4.01	.08	-.08	.00	-.03	-.36	.72	.02	.04	.038
		7.2	-.22	-9.15	.61	.08	.00	.00	-.03	-.44	.11	.02	.00	.020
		10.9	-.22	-7.09	-2.79	.08	.09	.00	-.03	-.34	-.50	.02	.05	.030
		14.5	-.22	-1.26	-6.18	.08	.18	.00	-.03	-.06	-1.10	.02	.09	.042
202- 205 #06- 1		0.0	1.41	1.91	1.03	-.03	-.21	-.00	.20	.09	.18	.01	.11	.017
		3.6	1.41	-5.14	2.37	-.03	-.12	-.00	.20	-.25	.42	.01	.06	.030
		7.2	1.41	-8.42	3.71	-.03	-.03	-.00	.20	-.40	.66	.01	.02	.043
		10.9	1.41	-7.91	5.05	-.03	.06	-.00	.20	-.38	.90	.01	.03	.050
		14.5	1.41	-5.02	6.39	-.03	.14	-.00	.20	-.17	1.14	.01	.08	.052
203- 205 #21- 1		0.0	-45.67	1095.29	46.60	.25	-22.65	.02	-2.12	7.27	2.74	.02	2.34	.412
		3.6	-45.67	242.14	35.62	.25	-10.59	.02	-2.12	1.61	2.09	.02	1.72	.210
		7.2	-45.67	-347.43	24.64	.25	-10.53	.02	-2.12	-2.31	1.45	.02	1.09	.210
		10.9	-45.67	-673.42	13.66	.25	-4.47	.02	-2.12	-4.47	.80	.02	.46	.256
		14.5	-45.67	-735.84	2.68	.25	1.60	.02	-2.12	-4.88	.16	.02	.17	.246
203- 303 DAL- 1		0.0	-129.77	-369.56	-155.24	1.46	-61.36	389.45	-1.42	-.63		1.65	1.65	.071
		3.8	-130.94	-3130.63	-220.79	1.46	-61.36	389.45	-1.44	-4.91		1.65	1.65	.207
		7.5	-132.10	-5691.09	-286.35	1.46	-61.36	389.45	-1.45	-9.23		1.65	1.65	.345
		11.3	-133.26	-8652.75	-351.91	1.46	-61.36	389.45	-1.46	-13.55		1.65	1.65	.482
		15.0	-133.46	-11514.11	-359.93	-1.55	-56.50	389.45	-1.47	-17.71		1.55	1.55	.614
203- 306 120- 1		0.0	140.61	459.06	297.63	1.42	-4.77	42.25	4.97	6.83		.62	.62	.339
		6.2	140.25	26.24	150.18	1.42	-4.07	42.25	4.96	2.00		.57	.57	.236
		10.3	139.89	-350.43	18.73	1.42	-3.36	42.25	4.95	4.23		.52	.52	.306
		24.5	139.51	-497.50	-120.80	1.43	3.51	42.25	4.93	6.39		.53	.53	.374
		32.6	139.23	551.07	-261.36	1.44	17.85	42.25	4.92	7.61		1.53	1.53	.412
204- 205 #06- 1		0.0	-1.13	1.22	-1.45	-.05	-.16	-.00	-.16	.06	-.26	.01	.08	.021
		3.8	-1.13	-3.93	.82	-.05	-.07	-.00	-.16	-.19	.15	.01	.04	.021
		7.3	-1.13	-5.29	3.10	-.05	.01	-.00	-.16	-.25	.55	.01	.01	.037
		10.9	-1.13	-2.87	5.37	-.05	.10	-.00	-.16	-.14	.96	.01	.05	.048
		14.5	-1.13	3.34	7.65	-.05	.19	-.00	-.16	.16	1.37	.01	.10	.063
204- 206 #16- 1		0.0	54.06	-317.45	35.62	.52	.44	.05	3.34	-3.56	3.32	.06	.07	.345
		3.6	54.06	-244.47	12.09	.52	2.92	.05	3.34	-2.74	1.21	.06	.45	.245
		7.3	54.06	-63.48	-9.55	.52	5.40	.05	3.34	-.71	-.90	.06	.84	.170
		10.9	54.06	225.04	-32.20	.52	7.89	.05	3.34	2.55	-3.01	.06	1.23	.301
		14.5	54.06	626.91	-54.92	.52	15.37	.05	3.34	7.06	-5.12	.06	2.39	.516

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FY KIPS	SHEAR FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
205- 206	421- 1	0.0	-44.32	-739.32	16.72	.53	1.92	.01	-2.06	-4.91	.98	.04	.20	.273
		3.8	-44.32	-523.69	-6.12	.53	7.99	.01	-2.06	-3.48	-.36	.04	.83	.206
		7.5	-44.32	-44.17	-28.96	.53	14.05	.01	-2.06	-.29	-1.70	.04	1.45	.152
		10.4	-44.32	699.25	-51.81	.53	20.12	.01	-2.06	4.64	-3.05	.04	2.08	.337
		14.5	-44.32	1706.56	-74.65	.53	26.19	.01	-2.06	11.33	-4.39	.04	2.71	.595
206- 301	120- 1	0.0	-112.67	36.21	-473.53	-5.37	-1.09	-25.56	-3.98	-5.93		.55	.55	.407
		6.2	-113.03	-34.74	52.87	-5.37	-.40	-25.56	-4.00	-.79		.54	.54	.241
		16.3	-113.59	-39.54	579.26	-5.37	.30	-25.56	-4.01	-7.24		.54	.54	.451
		24.5	-114.14	142.54	622.05	6.65	3.47	-25.56	-4.02	-7.96		.69	.69	.475
		32.8	-113.99	582.73	-879.65	24.54	5.16	-25.56	-4.03	-13.17		1.93	1.93	.636
206- 306	0RL- 1	0.0	-20.50	2032.56	-607.00	.65	-79.44	-202.72	-.23	-3.32		1.90	1.90	.113
		3.8	-21.87	-1542.15	-629.11	.65	-79.44	-202.72	-.24	-2.61		1.90	1.90	.091
		7.5	-22.83	-5116.68	-658.14	.65	-79.44	-202.72	-.25	-8.07		1.90	1.90	.264
		11.3	-23.99	-8674.33	-677.25	-.12	-78.12	-202.72	-.26	-13.61		1.87	1.87	.440
		15.0	-24.59	-12103.94	-622.47	-2.49	-74.01	-202.72	-.27	-18.96		1.78	1.78	.610
301- 303	123- 1	0.0	51.17	90.38	535.88	14.52	-1.99	-20.34	2.66	9.58		1.70	1.70	.396
		7.3	51.17	-29.72	-377.03	6.51	-.80	-20.34	2.66	6.67		.86	.86	.304
		14.5	51.17	-55.84	-602.41	-1.29	.17	-20.34	2.66	10.67		.31	.31	.430
		21.7	51.17	-0.90	-159.20	-8.66	.92	-20.34	2.66	2.81		1.11	1.11	.181
		29.0	51.17	98.18	933.88	-16.22	1.46	-20.34	2.66	16.55		1.87	1.87	.616
301- 306	123- 1	0.0	93.63	592.17	562.04	14.46	-5.39	-5.92	4.87	14.40		1.66	1.66	.625
		7.2	93.63	181.65	-347.95	6.52	-4.03	-5.92	4.87	6.92		.85	.85	.344
		14.5	93.63	-104.96	-562.76	-1.06	-2.54	-5.92	4.87	10.44		.54	.54	.500
		21.7	93.62	-256.63	-175.48	-8.29	-.93	-5.92	4.87	5.46		.92	.92	.342
		29.0	93.61	-262.35	848.81	-15.16	.82	-5.92	4.86	15.87		1.63	1.63	.665
301- 401	0RL- 1	0.0	3.79	-9193.56	1177.53	22.56	67.80	1421.95	.04	14.50		1.90	1.90	.460
		7.1	3.82	-6691.55	-429.46	15.02	40.46	1421.95	.04	9.86		2.06	2.06	.314
		14.2	3.85	-2225.65	-1362.73	6.65	54.59	1421.95	.04	4.08		2.32	2.32	.131
		21.4	3.87	3007.15	-1821.56	-.63	67.53	1421.95	.04	5.34		2.59	2.59	.171
		28.5	3.90	9245.73	-1299.28	-8.62	77.91	1421.95	.04	14.61		2.83	2.83	.464
303- 306	123- 1	0.0	-65.49	650.48	295.87	1.68	-4.84	-6.76	-4.44	-12.60		.59	.59	.570
		7.2	-65.49	254.05	149.60	1.68	-4.20	-6.76	-4.44	-5.20		.53	.53	.350
		14.5	-65.49	-67.40	3.33	1.68	-3.12	-6.76	-4.44	-1.19		.43	.43	.232
		21.7	-65.49	-278.50	-142.95	1.68	-1.69	-6.76	-4.44	-5.52		.31	.31	.360
		29.0	-65.49	-354.84	-289.22	1.68	-.02	-6.76	-4.44	-8.07		.23	.23	.436
303- 403	0RL- 1	0.0	-134.88	-11650.97	-852.86	8.66	52.66	-835.18	-1.52	-18.24		1.82	1.82	.635
		7.1	-134.85	-8644.03	-1312.76	1.96	64.25	-835.18	-1.52	-10.59		2.06	2.06	.393
		14.2	-134.82	-690.15	-1103.45	-5.59	77.36	-835.18	-1.52	-2.05		2.36	2.36	.125
		21.4	-134.79	6577.52	-362.32	-12.43	90.15	-835.18	-1.52	-10.30		2.65	2.65	.384
		28.5	-134.76	14747.78	1011.46	-18.99	100.61	-835.18	-1.52	-25.12		2.90	2.90	.790

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
306- 406	ONL- 1	0.0	22.74	-12119.45	-475.83	10.71	56.35	-510.71	.25	18.97		1.66	1.66	.809
		7.1	22.77	-6875.03	-1144.64	4.69	66.75	-510.71	.25	10.90		1.87	1.87	.854
		14.2	22.80	-645.62	-1243.03	-2.40	79.00	-510.71	.25	2.19		2.13	2.13	.978
		21.4	22.83	6014.18	-746.07	-9.10	90.61	-510.71	.25	10.41		2.40	2.40	.538
		28.5	22.85	14780.41	272.89	-14.46	99.96	-510.71	.25	23.12		2.62	2.62	.741
401- 501	JL4- 1	0.0	185.93	-2576.55	-20769.65	58.06	-16.18	141.97	1.50	13.15		.89	.89	.461
		1.1	185.96	-2598.51	-21562.47	60.70	-15.96	141.97	1.50	13.66		.92	.92	.477
		2.3	184.96	-2615.34	-22431.03	63.28	-15.75	141.97	1.29	14.20		.96	.96	.494
		3.4	184.50	-3029.46	-23314.55	65.81	-15.54	141.97	1.29	14.77		.99	.99	.512
		4.6	184.03	-3240.65	-24232.20	68.27	-15.32	141.97	1.29	15.36		1.02	1.02	.531
401- 510	P1- 1	0.0	-167.64	-3423.71	10747.55	17.14	-17.57	-373.25	-.85	-5.28		.31	.31	.197
		1.1	-168.36	-3662.90	10513.39	17.14	-17.45	-373.25	-.85	-5.21		.31	.31	.195
		2.3	-169.11	-3900.40	10279.24	17.14	-17.33	-373.25	-.85	-5.14		.31	.31	.193
		3.4	-169.84	-4136.25	10045.09	17.14	-17.20	-373.25	-.86	-5.08		.31	.31	.191
		4.6	-170.56	-4370.37	9810.93	17.14	-17.06	-373.25	-.86	-5.02		.31	.31	.189
403- 503	JL4- 1	0.0	1805.87	-2745.60	12445.19	-42.12	-126.27	710.89	13.19	8.01		2.11	2.11	.713
		1.1	1805.19	-4516.98	13051.55	-43.55	-130.55	710.89	13.19	8.66		2.15	2.15	.733
		2.3	1804.71	-6319.25	13657.35	-44.96	-132.76	710.89	13.19	9.44		2.18	2.18	.758
		3.4	1804.24	-8151.74	14262.27	-46.35	-134.97	710.89	13.18	10.32		2.22	2.22	.795
		4.6	1803.77	-10013.77	14905.93	-47.70	-137.10	710.89	13.18	11.28		2.25	2.25	.816
403- 511	P1- 1	0.0	-2101.43	-7627.35	1014.97	.82	-18.53	694.85	-9.77	-3.69		.33	.33	.457
		1.1	-2102.10	-8079.58	1003.77	.82	-18.41	694.85	-9.77	-3.81		.33	.33	.461
		2.3	-2102.89	-8330.14	992.56	.82	-18.28	694.85	-9.77	-3.92		.33	.33	.464
		3.4	-2103.63	-8579.01	981.35	.82	-18.16	694.85	-9.78	-4.04		.33	.33	.468
		4.6	-2104.36	-8826.20	970.15	.82	-18.04	694.85	-9.78	-4.15		.33	.33	.472
406- 506	JL4- 1	0.0	-1903.57	5401.75	2770.75	-13.48	108.24	-49.96	-13.32	-4.10		1.54	1.54	.593
		1.1	-1904.05	7397.78	2902.83	-14.58	110.37	-49.96	-13.32	-5.01		1.57	1.57	.622
		2.3	-1904.53	8922.61	3169.84	-15.66	112.45	-49.96	-13.32	-5.95		1.60	1.60	.652
		3.4	-1905.00	10475.58	3391.40	-16.72	114.48	-49.96	-13.33	-6.92		1.63	1.63	.683
		4.6	-1905.48	12056.06	3627.31	-17.74	116.47	-49.96	-13.33	-7.91		1.66	1.66	.714
406- 512	P1- 1	0.0	1943.20	11126.26	-1136.42	-3.29	-10.17	-195.83	8.78	5.23		.14	.14	.471
		1.1	1942.47	10990.20	-1091.55	-3.29	-10.05	-195.83	8.78	5.17		.14	.14	.469
		2.3	1941.73	10853.80	-1046.69	-3.29	-9.93	-195.83	8.77	5.10		.14	.14	.467
		3.4	1941.00	10719.09	-1001.82	-3.29	-9.80	-195.83	8.77	5.04		.14	.14	.465
		4.6	1940.27	10586.04	-956.95	-3.29	-9.68	-195.83	8.77	4.97		.14	.14	.463
501- 502	165- 1	0.0	19.14	-169.17	-821.52	-2.77	-.47	230.30	.63	7.51		1.22	1.22	.260
		3.8	19.14	-182.64	-644.00	-5.04	-.12	230.30	.63	5.99		1.37	1.37	.212
		7.6	19.14	-180.54	-363.20	-7.31	.21	230.30	.63	3.63		1.52	1.52	.137
		11.4	19.14	-165.30	20.68	-9.59	.54	230.30	.63	1.47		1.67	1.67	.069
		15.1	19.14	-131.33	508.25	-11.86	.86	230.30	.63	4.70		1.82	1.82	.171

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
501- 504	105- 1	0.0	249.34	971.11	-817.64	-3.61	-6.17	136.90	8.26	11.37		1.09	1.09	.647
		5.8	249.34	898.56	-601.88	-5.08	-5.82	136.90	8.26	8.26		1.16	1.16	.549
		7.6	249.35	442.45	-283.13	-6.14	-5.45	136.90	8.26	4.70		1.26	1.26	.436
		11.4	249.36	203.22	136.26	-10.40	-5.07	136.90	8.26	2.20		1.38	1.38	.357
		15.2	249.38	-18.71	861.90	-12.84	-4.69	136.90	8.26	5.93		1.51	1.51	.475
501- 601	JL5- 1	0.0	330.06	-2552.43	-21865.52	-138.20	-9.03	-93.21	2.31	13.85		1.97	1.97	.519
		1.5	329.43	-2014.48	-19693.40	-134.99	-8.74	-93.21	2.30	12.31		1.92	1.92	.470
		3.0	328.79	-2971.50	-10958.85	-131.89	-8.45	-93.21	2.30	10.82		1.88	1.88	.422
		4.6	328.16	-3122.94	-14560.11	-128.87	-8.17	-93.21	2.30	9.37		1.84	1.84	.376
		6.1	327.52	-3269.44	-12255.52	-125.95	-7.89	-93.21	2.29	7.97		1.80	1.80	.332
501- 602	200- 1	0.0	-253.11	-581.49	1065.74	13.97	4.85	196.99	-6.65	-6.79		1.33	1.33	.447
		5.1	-253.09	-314.59	326.82	10.39	3.94	196.99	-6.65	-2.54		1.14	1.14	.320
		10.1	-253.08	-101.61	-200.65	7.01	3.07	196.99	-6.65	-1.26		.95	.95	.284
		15.2	-253.03	59.34	-528.09	3.80	2.23	196.99	-6.65	-2.97		.78	.78	.332
		20.2	-252.98	170.22	-666.06	.76	1.43	196.99	-6.65	-3.85		.64	.64	.356
502- 503	105- 1	0.0	-2.49	-198.33	158.64	3.83	3.81	-134.83	-.08	-2.27		.96	.96	.075
		5.8	-2.49	-18.13	36.21	1.56	4.12	-134.83	-.08	-.36		.90	.90	.015
		7.6	-2.49	175.92	17.06	-.72	4.42	-134.83	-.08	-1.58		.90	.90	.053
		11.4	-2.49	385.41	101.21	-2.99	4.71	-134.83	-.08	-3.55		.97	.97	.115
		15.1	-2.49	603.89	288.83	-5.26	4.99	-134.83	-.08	-5.99		1.08	1.08	.195
502- 504	125- 1	0.0	-6.91	134.24	135.82	1.14	-1.57	-100.75	-.36	-3.37		1.09	1.09	.120
		5.8	-6.91	87.30	84.02	1.14	-1.57	-100.75	-.36	-1.90		1.07	1.07	.074
		7.6	-6.91	9.05	32.22	1.14	-1.16	-100.75	-.36	-.59		1.06	1.06	.032
		11.4	-6.91	-37.85	-19.58	1.14	-.93	-100.75	-.36	-.75		1.04	1.04	.037
		15.1	-6.91	-74.34	-71.38	1.14	-.68	-100.75	-.36	-1.82		1.03	1.03	.071
502- 505	125- 1	0.0	26.87	195.34	213.80	4.54	-1.38	58.64	1.40	5.11		.99	.99	.210
		5.8	26.88	157.01	57.34	2.54	-1.19	58.64	1.40	2.62		.81	.81	.132
		7.6	26.89	87.54	-17.27	.74	-.99	58.64	1.40	1.57		.65	.65	.098
		11.4	26.90	47.37	-10.18	-1.06	-.78	58.64	1.40	.85		.65	.65	.076
		15.1	26.91	16.91	78.66	-2.86	-.56	58.64	1.40	1.42		.82	.82	.094
503- 505	105- 1	0.0	-201.90	1189.06	-172.06	-1.96	-7.85	-27.40	-6.69	-10.76		.66	.66	.573
		5.8	-201.90	858.56	-62.99	-1.96	-7.57	-27.40	-6.69	-7.54		.64	.64	.472
		7.6	-201.90	501.49	6.08	-1.96	-7.26	-27.40	-6.69	-4.49		.62	.62	.379
		11.4	-201.90	178.71	95.14	-1.96	-6.94	-27.40	-6.69	-1.81		.60	.60	.305
		15.2	-201.90	-128.92	164.21	-1.96	-6.59	-27.40	-6.69	-2.01		.58	.58	.311
503- 603	JL5- 1	0.0	1475.24	-8366.87	15450.28	94.42	57.16	391.07	10.52	9.94		1.67	1.67	.674
		1.5	1474.80	-7349.32	11723.67	92.66	54.40	391.07	10.52	8.69		1.63	1.63	.634
		3.0	1473.96	-6381.38	10048.77	90.95	51.72	391.07	10.51	7.48		1.59	1.59	.596
		4.6	1473.33	-5461.49	8404.60	89.29	49.13	391.07	10.51	6.30		1.55	1.55	.558
		6.1	1472.69	-4586.15	6790.24	87.68	46.62	391.07	10.50	5.15		1.51	1.51	.522

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
503- 645	200- 1	0.0	582.04	1822.50	117.91	1.24	-14.93	11.11	15.30	10.22		.82	.82	.856
		5.1	582.08	1006.43	51.00	.97	-11.96	11.11	15.30	5.64		.66	.66	.711
		10.1	582.12	365.79	.07	.71	-9.15	11.11	15.30	2.05		.51	.51	.597
		15.2	582.15	-108.31	-35.67	.47	-6.47	11.11	15.30	.64		.37	.37	.553
		20.2	582.18	-422.60	-57.51	.25	-3.90	11.11	15.30	2.39		.24	.24	.608
504- 505	165- 1	0.0	-19.33	-138.60	76.69	3.18	-.10	32.55	-1.00	-2.79		.62	.62	.127
		3.5	-19.33	-137.47	-26.88	1.59	.15	32.55	-1.00	-2.47		.43	.43	.117
		7.5	-19.33	-124.91	-49.42	-.40	.40	32.55	-1.00	-2.37		.35	.35	.113
		11.4	-19.33	-101.55	9.69	-2.20	.64	32.55	-1.00	-1.80		.53	.53	.095
		15.1	-19.33	-67.21	150.90	-4.02	.86	32.55	-1.00	-2.91		.71	.71	.131
504- 506	165- 1	0.0	259.32	72.46	513.63	9.21	-5.26	-114.19	8.59	4.64		1.21	1.21	.446
		3.8	259.34	-157.64	145.93	6.98	-4.87	-114.19	8.59	1.92		1.07	1.07	.360
		7.6	259.35	-369.59	-121.12	4.78	-4.46	-114.19	8.59	3.48		.94	.94	.409
		11.4	259.35	-562.95	-288.72	2.60	-4.05	-114.19	8.59	5.66		.83	.83	.476
		15.1	259.34	-737.29	-358.02	.45	-3.62	-114.19	8.59	7.34		.75	.75	.531
505- 506	165- 1	0.0	-172.82	-7.68	413.77	5.29	-6.29	29.18	-5.72	-3.71		.68	.68	.322
		3.8	-172.82	-285.56	173.28	5.29	-5.93	29.18	-5.72	-2.99		.66	.66	.301
		7.6	-172.82	-546.37	-67.21	5.29	-5.55	29.18	-5.72	-4.93		.64	.64	.355
		11.4	-172.82	-789.47	-307.70	5.29	-5.15	29.18	-5.72	-7.59		.62	.62	.439
		15.1	-172.82	-1013.97	-548.19	5.29	-4.75	29.18	-5.72	-10.32		.60	.60	.526
506- 606	JL5- 1	0.0	-1694.70	9303.74	2998.06	17.42	-57.56	-259.36	-11.86	-6.14		.92	.92	.607
		1.5	-1695.34	8278.96	2692.41	16.09	-55.00	-259.36	-11.86	-5.47		.88	.88	.586
		3.0	-1695.97	7296.37	2410.61	14.81	-52.51	-259.36	-11.86	-4.83		.84	.84	.566
		4.6	-1696.60	6360.45	2151.82	13.57	-50.10	-259.36	-11.87	-4.22		.81	.81	.547
		6.1	-1697.23	5467.74	1915.21	12.38	-47.78	-259.36	-11.87	-3.64		.77	.77	.528
506- 606	200- 1	0.0	-390.43	-714.72	-1503.27	-16.15	3.91	-165.33	-10.26	-9.31		1.34	1.34	.652
		5.1	-390.39	-491.99	-831.40	-12.60	3.43	-165.33	-10.26	-4.48		1.15	1.15	.510
		10.1	-390.35	-298.02	29.60	-9.20	2.96	-165.33	-10.26	-1.68		.97	.97	.432
		15.2	-390.30	-132.14	489.16	-5.95	2.51	-165.33	-10.26	-2.84		.80	.80	.464
		20.2	-390.26	7.01	755.32	-2.83	2.08	-165.33	-10.26	-4.23		.65	.65	.503
510- 710	P1- 1	0.0	-190.82	-4431.21	9765.92	17.51	10.64	-1048.81	-.86	-5.02		.43	.43	.191
		6.3	-194.51	-3596.05	8454.37	17.51	11.32	-1048.81	-.88	-4.30		.43	.43	.168
		12.7	-198.60	-2709.10	7122.82	17.51	12.01	-1048.81	-.90	-3.56		.44	.44	.146
		19.0	-202.69	-1770.35	5791.28	17.51	12.69	-1048.81	-.92	-2.83		.44	.44	.123
		25.3	-206.77	-779.81	4459.73	17.51	13.37	-1048.81	-.93	-2.12		.44	.44	.101
511- 711	P1- 1	0.0	-2164.07	-8619.22	1026.21	-1.70	45.29	599.53	-9.78	-4.15		.55	.55	.473
		6.3	-2168.16	-5549.40	1155.52	-1.70	45.98	599.53	-9.80	-2.56		.56	.56	.430
		12.7	-2172.24	-1827.79	1284.82	-1.70	46.66	599.53	-9.82	-1.05		.56	.56	.389
		19.0	-2176.33	1745.63	1414.13	-1.70	47.34	599.53	-9.83	-1.05		.57	.57	.389
		25.3	-2180.41	5370.85	1543.44	-1.70	48.02	599.53	-9.85	-2.61		.57	.57	.433

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
512- 712	M1- 1	0.0	1940.07	10586.04	-956.45	-3.29	-49.35	-304.99	8.77	4.97		.52	.52	.463
		6.3	1935.98	6859.86	-706.64	-3.29	-48.66	-304.99	8.75	3.23		.51	.51	.407
		12.7	1931.89	3185.51	-456.84	-3.29	-47.98	-304.99	8.73	1.51		.51	.51	.352
		19.0	1927.80	-436.99	-207.03	-3.29	-47.30	-304.99	8.71	.23		.50	.50	.310
		25.3	1923.71	-4007.66	42.77	-3.29	-46.62	-304.99	8.69	1.87		.49	.49	.362
601- 641	JL6- 1	0.0	318.30	-3296.17	-12296.47	-102.04	5.89	-942.83	2.23	8.00		1.72	1.72	.331
		1.5	317.67	-3224.45	-10460.30	-99.20	4.19	-942.83	2.22	6.68		1.69	1.69	.295
		3.0	317.05	-3145.46	-8675.30	-96.45	4.47	-942.83	2.22	5.80		1.65	1.65	.261
		4.6	316.39	-3061.39	-6940.07	-93.74	4.75	-942.83	2.21	4.77		1.61	1.61	.228
		6.1	315.76	-2972.25	-5253.20	-91.14	5.02	-942.83	2.21	3.79		1.57	1.57	.197
603- 643	JL6- 1	0.0	1457.78	-4693.97	7155.57	69.65	48.29	666.79	10.20	5.38		1.40	1.40	.525
		1.5	1457.14	-3834.69	5895.61	68.65	45.87	666.79	10.19	4.42		1.36	1.36	.495
		3.0	1456.51	-3019.47	4664.07	66.72	43.51	666.79	10.19	3.49		1.32	1.32	.465
		4.6	1455.87	-2246.47	3460.20	65.22	41.22	666.79	10.18	2.59		1.29	1.29	.437
		6.1	1455.23	-1514.65	2283.26	63.77	39.00	666.79	10.18	1.72		1.26	1.26	.409
606- 646	JL6- 1	0.0	-1697.38	5467.74	1918.05	12.38	-42.27	-253.15	-11.87	-3.64		.70	.70	.529
		1.5	-1698.01	4716.94	1700.72	11.22	-40.00	-253.15	-11.88	-3.15		.66	.66	.513
		3.0	-1698.65	4007.01	1504.22	10.10	-37.79	-253.15	-11.88	-2.69		.63	.63	.499
		4.6	-1699.28	3336.89	1331.98	9.00	-35.64	-253.15	-11.89	-2.26		.59	.59	.485
		6.1	-1699.91	2705.52	1177.46	7.94	-33.55	-253.15	-11.89	-1.85		.56	.56	.473
641- 651	JL6- 1	0.0	315.76	-2972.25	-5253.20	-91.14	5.02	-942.83	2.21	3.79		1.57	1.57	.197
		1.5	315.12	-2870.55	-3624.10	-87.41	5.48	-942.83	2.20	2.91		1.52	1.52	.169
		3.0	314.48	-2772.08	-2062.01	-83.79	5.94	-942.83	2.20	2.17		1.47	1.47	.145
		4.6	313.85	-2659.64	-565.00	-80.28	6.38	-942.83	2.20	1.71		1.42	1.42	.130
		6.1	313.22	-2539.29	869.56	-76.85	6.81	-942.83	2.19	1.69		1.38	1.38	.130
642- 703	200- 1	0.0	-252.98	170.18	-666.04	.73	1.58	197.09	-6.65	-3.85		.63	.63	.358
		5.5	-252.95	213.58	-559.84	-3.91	-.04	197.09	-6.65	-3.35		.76	.76	.345
		11.0	-252.92	166.67	-157.61	-8.27	-1.37	197.09	-6.65	-1.28		.99	.99	.287
		16.4	-252.89	33.09	523.51	-12.59	-2.66	197.09	-6.65	-2.94		1.22	1.22	.333
		21.9	-252.86	-181.98	1467.54	-16.26	-3.86	197.09	-6.65	-8.27		1.43	1.43	.493
643- 653	JL6- 1	0.0	1455.23	-1514.65	2283.26	63.77	39.00	666.79	10.18	1.72		1.26	1.26	.409
		1.5	1454.60	-833.63	1139.64	61.57	35.65	666.79	10.18	.89		1.20	1.20	.382
		3.0	1453.96	-212.98	55.68	59.42	32.38	666.79	10.17	.14		1.16	1.16	.358
		4.6	1453.33	348.90	-1029.54	57.32	29.21	666.79	10.17	.68		1.11	1.11	.376
		6.1	1452.69	853.61	-2056.96	55.28	26.13	666.79	10.16	1.40		1.06	1.06	.398
644- 701	200- 1	0.0	-390.26	6.94	755.37	-2.76	2.20	-165.09	-10.26	-4.23		.65	.65	.507
		5.5	-390.22	120.00	774.19	2.14	1.24	-165.09	-10.26	-4.38		.59	.59	.512
		11.0	-390.18	171.22	478.85	6.80	.32	-165.09	-10.26	-2.85		.82	.82	.468
		16.5	-390.16	163.41	-115.69	11.24	-.55	-165.09	-10.26	-1.12		1.05	1.05	.419
		21.9	-390.14	99.40	-994.47	15.42	-1.38	-165.09	-10.26	-5.59		1.28	1.28	.546

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8 DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
645= 706 200= 1		0.0	582.18	-422.61	-57.41	.43	-3.83	11.24	15.30	2.39		.23	.23	.608
		5.5	582.21	-550.73	-74.91	.10	-.10	11.24	15.30	3.11		.04	.04	.631
		11.0	582.24	-440.17	-70.29	-.23	3.42	11.24	15.30	2.49		.21	.21	.612
		16.4	582.25	-106.91	-45.35	-.52	8.67	11.24	15.31	.65		.38	.38	.553
		21.9	582.27	431.99	-2.79	-.77	9.67	11.24	15.31	2.42		.54	.54	.609
646= 656 JL6= 1		0.0	-1699.85	2705.52	1177.05	7.94	-56.51	-255.06	-11.69	-1.85		.60	.60	.473
		1.5	-1700.49	2068.72	1044.82	8.56	-55.50	-255.06	-11.90	-1.46		.56	.56	.460
		3.0	-1701.12	1482.52	937.35	5.22	-30.76	-255.06	-11.90	-1.10		.52	.52	.449
		4.6	-1701.76	945.51	853.89	3.93	-28.11	-255.06	-11.91	-.80		.48	.48	.440
		6.1	-1702.39	456.23	793.67	2.68	-25.53	-255.06	-11.91	-.58		.44	.44	.434
651= 701 JL6= 1		0.0	319.65	-2657.22	-41.53	-32.27	20.79	-1858.63	2.23	1.66		1.12	1.12	.130
		1.8	318.32	-2189.41	803.69	-28.57	21.26	-1858.63	2.23	1.43		1.08	1.08	.125
		3.5	317.58	-1731.16	1167.18	-24.59	21.77	-1858.63	2.22	1.31		1.04	1.04	.119
		5.3	316.85	-1262.61	1851.58	-20.92	22.25	-1858.63	2.22	1.31		1.01	1.01	.118
		7.1	316.11	-785.85	2058.77	-17.36	22.75	-1858.63	2.21	1.38		.98	.98	.121
653= 703 JL6= 1		0.0	1517.14	741.73	-1722.85	23.63	15.35	900.66	10.61	1.18		.68	.68	.407
		1.8	1516.39	1030.73	-2201.05	21.30	11.85	900.66	10.61	1.53		.62	.62	.418
		3.5	1515.65	1246.25	-2630.42	19.05	8.45	900.66	10.60	1.83		.57	.57	.427
		5.3	1514.91	1390.46	-3012.42	16.85	5.15	900.66	10.60	2.08		.53	.53	.435
		7.1	1514.16	1465.50	-3348.42	14.72	1.95	900.66	10.59	2.30		.49	.49	.441
656= 706 JL6= 1		0.0	-1702.90	456.23	793.79	2.68	-24.74	-254.69	-11.91	-.58		.43	.43	.434
		1.5	-1703.14	-59.30	751.88	1.26	-21.85	-254.69	-11.91	-.47		.39	.39	.432
		3.5	-1703.88	-473.84	739.62	-.11	-19.01	-254.69	-11.92	-.55		.35	.35	.434
		5.3	-1704.63	-849.39	756.08	-1.43	-16.26	-254.69	-11.93	-.71		.31	.31	.439
		7.1	-1705.37	-1167.90	800.30	-2.72	-13.65	-254.69	-11.93	-.89		.27	.27	.444
701= 702 137= 1		0.0	-66.11	57.04	-75.76	2.72	-.87	20.39	-4.53	-2.31		.62	.62	.294
		4.7	-66.11	21.26	-165.84	.48	-.76	20.39	-4.53	-3.82		.36	.36	.333
		9.4	-66.11	-19.10	-129.87	-1.75	-.67	20.39	-4.53	-3.00		.49	.49	.310
		14.1	-66.11	-54.72	31.47	-3.98	-.59	20.39	-4.53	-1.44		.78	.78	.270
		18.8	-66.11	-86.24	317.53	-6.19	-.53	20.39	-4.53	-7.51		1.08	1.08	.438
701= 704 137= 1		0.0	28.57	135.48	-79.63	2.71	-1.24	-1.95	1.96	3.59		.43	.43	.182
		4.7	28.58	50.59	-169.36	.48	-1.15	-1.95	1.96	4.17		.19	.19	.200
		9.4	28.59	7.77	-153.66	-1.75	-1.03	-1.95	1.96	3.06		.30	.30	.165
		14.1	28.61	-46.97	27.47	-3.98	-.92	-1.95	1.96	1.24		.58	.58	.108
		18.8	28.62	-95.64	314.04	-6.20	-.81	-1.95	1.96	7.49		.88	.88	.305
701= 801 JL7= 1		0.0	-63.52	54.69	2004.24	-21.00	-2.62	-457.75	-1.18	-2.55		.89	.89	.124
		6.6	-64.69	-103.00	3190.08	-9.19	-1.39	-457.75	-1.20	-4.06		.55	.55	.172
		13.2	-66.03	-167.58	3489.05	1.46	-.26	-457.75	-1.22	-4.44		.33	.33	.185
		19.8	-67.38	-105.55	2983.64	11.17	.80	-457.75	-1.24	-3.80		.61	.61	.165
		26.4	-68.75	-43.58	1744.71	20.03	1.76	-457.75	-1.26	-2.22		.86	.86	.116

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
701- 606	200- 1	0.0	279.58	587.68	868.09	13.69	-6.94	1.27	7.55	5.87		.81	.81	.441
		12.2	279.65	-158.64	-539.98	5.69	-3.31	1.27	7.55	3.15		.35	.35	.356
		24.4	279.69	-399.31	-843.76	-1.40	-.05	1.27	7.55	5.22		.08	.08	.421
		36.6	279.75	-192.15	-170.35	-7.86	2.81	1.27	7.55	1.44		.43	.43	.301
		44.8	279.83	407.57	1365.58	-13.21	5.32	1.27	7.56	7.98		.75	.75	.509
702- 703	127- 1	0.0	-76.84	-59.76	175.88	4.59	.97	-23.87	-5.27	-4.51		.92	.92	.394
		4.7	-76.84	-33.48	-20.60	2.59	1.03	-23.87	-5.27	-.90		.63	.63	.291
		9.4	-76.84	25.57	-93.68	.21	1.07	-23.87	-5.27	-2.22		.42	.42	.326
		14.1	-76.84	86.75	-44.02	-1.97	1.10	-23.87	-5.27	-2.22		.58	.58	.333
		18.8	-76.84	144.54	127.72	-4.13	1.12	-23.87	-5.27	-4.48		.86	.86	.401
702- 704	127- 1	0.0	.14	23.07	-4.24	-.05	-.79	-5.76	.01	.82		.23	.23	.026
		4.7	.14	-12.19	-5.20	-.05	-.48	-5.76	.01	.44		.17	.17	.014
		9.4	.14	-28.30	-2.16	-.05	-.11	-5.76	.01	.95		.12	.12	.030
		14.1	.14	-24.61	.87	-.05	.25	-5.76	.01	.82		.14	.14	.026
		18.8	.14	-.45	3.91	-.05	.61	-5.76	.01	.13		.20	.20	.005
702- 705	127- 1	0.0	14.68	25.57	149.69	4.05	-.71	1.98	1.23	5.07		.72	.72	.203
		4.7	14.69	-8.97	-23.00	2.09	-.36	1.98	1.23	.80		.39	.39	.068
		9.4	14.70	-19.02	-85.85	.14	-.05	1.98	1.23	2.94		.06	.06	.136
		14.1	14.70	-12.60	-38.67	-1.82	.26	1.98	1.23	1.36		.34	.34	.086
		18.8	14.71	12.51	118.56	-3.77	.61	1.98	1.24	3.99		.67	.67	.169
703- 705	127- 1	0.0	14.84	179.42	107.86	1.05	-1.32	16.55	1.02	4.78		.42	.42	.187
		4.7	14.84	105.84	49.01	1.05	-1.29	16.55	1.02	2.66		.42	.42	.120
		9.4	14.84	34.98	-9.86	1.05	-1.25	16.55	1.02	.83		.41	.41	.062
		14.1	14.84	-32.53	-68.73	1.05	-1.17	16.55	1.02	1.74		.40	.40	.090
		18.8	14.84	-95.82	-127.80	1.05	-1.08	16.55	1.02	3.64		.39	.39	.151
703- 801	200- 1	0.0	249.53	812.01	-1647.88	-17.29	-6.72	-3.40	6.56	10.28		.98	.98	.554
		12.2	249.56	45.80	251.74	-6.77	-3.76	-3.40	6.56	1.45		.51	.51	.274
		24.4	249.62	-304.55	957.68	-.99	-1.04	-3.40	6.56	5.62		.08	.08	.406
		36.6	249.66	-269.56	577.76	8.06	1.48	-3.40	6.56	3.57		.34	.34	.341
		44.8	249.73	119.16	-790.09	12.52	5.80	-3.40	6.56	4.47		.70	.70	.370
703- 803	JL7- 1	0.0	1215.28	2317.49	-2426.17	6.87	11.52	-286.09	17.21	4.27		.56	.56	.734
		6.6	1214.93	2797.15	-2691.72	-.05	.76	-286.09	17.19	4.94		.21	.21	.754
		13.2	1213.56	2467.87	-2433.67	-6.38	-8.97	-286.09	17.17	4.41		.49	.49	.737
		19.8	1212.17	1400.03	-1697.85	-12.15	-17.92	-286.09	17.15	2.80		.80	.80	.685
		26.4	1210.76	-347.61	-524.86	-17.45	-26.17	-286.09	17.13	.80		1.07	1.07	.622
704- 705	127- 1	0.0	-14.86	1.50	155.51	4.01	-.67	3.93	-1.25	-5.20		.75	.75	.215
		4.7	-14.86	-25.62	-16.93	2.12	-.30	3.93	-1.25	-1.03		.42	.42	.084
		9.4	-14.86	-52.48	-82.48	.21	.06	3.93	-1.25	-2.96		.10	.10	.145
		14.1	-14.86	-19.35	-39.80	-1.73	.41	3.93	-1.25	-1.48		.36	.36	.098
		18.8	-14.86	12.92	112.42	-3.69	.74	3.93	-1.25	-3.78		.70	.70	.171

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
704- 706	157- 1	0.0	39.54	-94.92	162.44	4.51	.47	-6.09	2.71	4.29		.69	.69	.230
		4.7	39.55	-65.25	-28.66	2.29	.58	-6.09	2.71	1.63		.39	.39	.146
		9.4	39.57	-28.88	-95.92	.10	.71	-6.09	2.71	2.29		.17	.17	.167
		14.1	39.58	14.89	-40.81	-2.06	.85	-6.09	2.72	.99		.37	.37	.126
		18.8	39.60	56.71	135.21	-4.19	1.00	-6.09	2.72	3.44		.66	.66	.203
705- 706	157- 1	0.0	36.09	-91.01	103.38	.89	.27	-6.25	2.48	3.14		.20	.20	.186
		4.7	36.09	-72.89	53.50	.89	.38	-6.25	2.48	2.06		.20	.20	.151
		9.4	36.09	-47.65	3.62	.89	.51	-6.25	2.48	1.09		.21	.21	.121
		14.1	36.09	-15.22	-46.26	.89	.65	-6.25	2.48	1.11		.22	.22	.121
		18.8	36.09	25.20	-96.14	.89	.79	-6.25	2.48	2.27		.23	.23	.158
706- 803	200- 1	0.0	-500.12	-1000.22	289.17	1.58	9.06	-22.01	-13.15	-5.87		.54	.54	.825
		12.2	-500.05	28.98	91.51	1.13	5.12	-22.01	-13.14	-.54		.34	.34	.617
		24.4	-500.00	496.24	-40.87	.68	1.30	-22.01	-13.14	-2.79		.14	.14	.704
		36.6	-499.89	421.66	-109.46	.26	-2.28	-22.01	-13.14	-2.44		.18	.18	.690
		48.8	-499.79	-160.20	-119.29	-.12	-5.64	-22.01	-13.14	-1.12		.36	.36	.639
706- 806	JL7- 1	0.0	-1081.45	-1655.58	498.68	13.00	-11.91	-25.88	-15.30	-2.17		.52	.52	.818
		6.6	-1082.80	-2250.60	-355.95	8.70	-3.30	-25.88	-15.32	-2.87		.28	.28	.638
		13.2	-1084.17	-2183.53	-869.73	4.87	4.35	-25.88	-15.34	-3.00		.20	.20	.642
		19.8	-1085.52	-1565.42	-1136.69	1.44	11.21	-25.88	-15.36	-2.46		.34	.34	.628
		26.4	-1086.88	-429.17	-1126.56	-1.84	17.37	-25.88	-15.38	-1.53		.51	.51	.604
710- 810	P2- 1	0.0	-206.84	-771.91	4461.64	17.48	-1.09	-1158.52	-.82	-1.89		.38	.38	.090
		6.6	-211.67	-626.09	3079.68	17.48	-.28	-1158.52	-.84	-1.33		.38	.38	.073
		13.2	-216.50	-818.84	1697.71	17.48	.52	-1158.52	-.86	-.79		.38	.38	.057
		19.8	-221.33	-745.54	315.74	17.48	1.33	-1158.52	-.88	-.34		.38	.38	.043
		26.4	-226.16	-668.81	-1065.23	17.48	2.13	-1158.52	-.90	-.51		.38	.38	.049
711- 811	P2- 1	0.0	-2180.62	5567.76	1554.67	-1.13	3.43	-568.26	-8.68	-2.33		.15	.15	.383
		6.6	-2185.45	5670.61	1647.96	-1.13	4.23	-568.26	-8.70	-2.46		.15	.15	.387
		13.2	-2190.28	6037.51	1737.25	-1.13	5.04	-568.26	-8.71	-2.62		.16	.16	.392
		19.8	-2195.11	6467.65	1826.54	-1.13	5.84	-568.26	-8.73	-2.80		.17	.17	.398
		26.4	-2199.94	6961.82	1915.82	-1.13	6.65	-568.26	-8.75	-3.01		.17	.17	.405
712- 812	P2- 1	0.0	1923.48	-4007.66	42.90	-3.29	-8.37	-355.02	7.65	1.67		.15	.15	.319
		6.6	1919.05	-4637.55	302.68	-3.29	-7.56	-355.02	7.64	1.94		.14	.14	.327
		13.2	1914.22	-5205.84	562.47	-3.29	-6.76	-355.02	7.62	2.18		.13	.13	.334
		19.8	1909.39	-5706.55	822.26	-3.29	-5.96	-355.02	7.60	2.40		.13	.13	.340
		26.4	1904.56	-6145.62	1082.04	-3.29	-5.15	-355.02	7.58	2.60		.12	.12	.346
801- 802	168- 1	0.0	-22.02	47.14	-106.53	2.06	-.65	23.41	-1.51	-2.66		.56	.56	.171
		5.6	-22.02	5.73	-184.80	.26	-.58	23.41	-1.51	-4.22		.35	.35	.220
		11.3	-22.02	-30.75	-141.45	-1.54	-.50	23.41	-1.51	-3.30		.49	.49	.191
		16.9	-22.02	-62.26	23.51	-3.34	-.43	23.41	-1.51	-1.52		.73	.73	.135
		22.5	-22.02	-98.88	310.07	-5.14	-.36	23.41	-1.51	-7.36		.97	.97	.319

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
801- 804	100- 1	0.0	56.25	151.04	-106.76	2.04	-1.03	10.08	3.86	4.24		.43	.43	.268
		5.6	56.24	84.80	-183.15	.22	-.96	10.08	3.86	4.60		.25	.25	.280
		11.3	56.23	22.50	-136.95	-1.59	-.84	10.08	3.86	3.17		.36	.36	.234
		16.9	56.23	-35.05	31.43	-3.41	-.81	10.08	3.86	1.08		.60	.60	.168
		22.5	56.22	-87.47	325.18	-5.22	-.74	10.08	3.86	7.64		.84	.84	.376
801- 901	JL6- 1	0.0	154.29	-192.84	1765.06	-4.08	.95	-135.43	2.18	2.26		.20	.20	.147
		6.8	152.87	-77.20	1749.25	4.55	1.66	-135.43	2.16	2.23		.22	.22	.146
		13.7	151.49	109.84	1069.04	12.11	2.69	-135.43	2.14	1.37		.44	.44	.118
		20.5	150.10	361.88	-224.21	19.29	3.43	-135.43	2.12	.54		.64	.64	.091
		27.4	148.66	670.09	-2067.50	26.02	4.08	-135.43	2.10	2.79		.83	.83	.161
801- 903	200- 1	0.0	-225.10	-482.22	619.21	10.60	3.35	27.08	-5.92	-4.39		.66	.66	.431
		14.0	-225.00	-35.06	-612.07	4.17	1.97	27.08	-5.91	-3.43		.32	.32	.399
		28.0	-224.88	179.99	-807.88	-1.76	.60	27.08	-5.91	-4.63		.17	.17	.439
		41.9	-224.74	186.97	-45.14	-7.26	-.76	27.08	-5.91	-.97		.46	.46	.318
		55.9	-224.58	-76.55	1605.45	-12.54	-2.15	27.08	-5.91	-8.99		.73	.73	.582
802- 803	100- 1	0.0	-31.48	-92.21	150.41	3.55	.76	-33.07	-2.16	-4.03		.88	.88	.251
		5.6	-31.48	-30.75	-28.58	1.75	.82	-33.07	-2.16	-1.10		.64	.64	.158
		11.3	-31.48	18.69	-86.93	-.02	.88	-33.07	-2.16	-2.03		.50	.50	.188
		16.9	-31.48	79.18	-25.56	-1.79	.91	-33.07	-2.16	-1.90		.65	.65	.184
		22.5	-31.48	141.76	154.57	-3.54	.94	-33.07	-2.16	-4.79		.88	.88	.275
802- 804	140- 1	0.0	-.51	26.36	-2.45	-.04	-.58	-11.51	-.04	-.89		.29	.29	.030
		5.6	-.51	-5.02	.25	-.04	-.35	-11.51	-.04	-.17		.25	.25	.007
		11.3	-.51	-20.24	2.96	-.04	-.10	-11.51	-.04	-.68		.21	.21	.023
		16.9	-.51	-18.35	5.66	-.04	.16	-11.51	-.04	-.64		.22	.22	.022
		22.5	-.51	1.80	8.36	-.04	.43	-11.51	-.04	-.28		.27	.27	.011
802- 805	140- 1	0.0	12.55	27.43	162.10	3.42	-.54	8.28	1.05	5.50		.72	.72	.211
		5.6	12.53	-.95	-14.64	1.81	-.30	8.28	1.05	.49		.45	.45	.052
		11.3	12.51	-13.17	-82.42	.20	-.06	8.28	1.05	2.79		.17	.17	.125
		16.9	12.49	-8.28	-41.26	-1.42	.20	8.28	1.05	1.41		.38	.38	.081
		22.5	12.47	14.68	108.86	-3.03	.48	8.28	1.05	3.67		.65	.65	.153
803- 805	100- 1	0.0	-47.08	219.77	65.40	.56	-1.24	7.15	-3.23	-5.23		.27	.27	.351
		5.6	-47.08	136.97	27.75	.56	-1.21	7.15	-3.23	-3.19		.26	.26	.286
		11.3	-47.08	57.22	-9.90	.56	-1.15	7.15	-3.23	-1.33		.26	.26	.227
		16.9	-47.08	-17.92	-47.54	.56	-1.08	7.15	-3.23	-1.16		.25	.25	.216
		22.5	-47.08	-88.11	-85.19	.56	-1.00	7.15	-3.23	-2.80		.24	.24	.269
803- 903	JL6- 1	0.0	701.40	946.19	-1269.89	-1.65	10.56	-156.02	-9.92	2.01		.40	.40	.409
		6.8	699.96	1466.93	-923.82	-6.74	2.42	-156.02	9.90	2.21		.30	.30	.415
		13.7	698.52	1361.50	-175.71	-11.48	-4.96	-156.02	9.88	1.74		.45	.45	.399
		20.5	697.10	665.27	953.33	-15.92	-11.92	-156.02	9.86	1.48		.66	.66	.390
		27.4	695.68	-588.54	2434.62	-20.12	-18.56	-156.02	9.84	3.18		.87	.87	.443

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
603= 906 200= 1		0.0	468.91	1324.16	146.18	.81	-9.29	-20.63	12.33	7.46		.55	.55	.665
		14.0	469.95	109.76	37.52	.49	-5.23	-20.63	12.33	.65		.33	.33	.450
		28.0	469.98	-446.14	-20.59	.21	-1.45	-20.63	12.33	2.50		.13	.13	.508
		41.9	469.04	-395.53	-35.64	-.03	1.99	-20.63	12.33	2.22		.16	.16	.500
		55.9	469.10	195.38	-12.10	-.26	4.96	-20.63	12.33	1.10		.32	.32	.464
604= 605 140= 1		0.0	-11.95	-7.24	145.69	5.20	-.52	5.28	-1.00	-4.81		.60	.60	.195
		5.5	-11.95	-32.82	-21.22	1.68	-.24	3.28	-1.00	-1.31		.34	.34	.084
		11.5	-11.95	-39.59	-82.48	.13	.04	5.28	-1.00	-3.06		.08	.08	.140
		16.9	-11.95	-26.94	-39.14	-1.42	.35	3.28	-1.00	-1.59		.30	.30	.093
		22.5	-11.95	4.55	109.76	-2.99	.61	3.28	-1.00	-3.67		.57	.57	.159
604= 606 160= 1		0.0	64.67	-75.95	187.86	3.91	.21	-2.24	4.44	4.62		.56	.56	.301
		5.6	64.67	-59.05	-15.27	2.11	.29	-2.24	4.44	1.39		.32	.32	.198
		11.3	64.66	-37.19	-97.99	.34	.36	-2.24	4.44	2.39		.09	.09	.230
		16.9	64.66	-10.41	-62.40	-1.39	.45	-2.24	4.43	1.44		.23	.23	.200
		22.5	64.65	21.32	69.37	-3.10	.51	-2.24	4.43	2.10		.46	.46	.221
605= 606 160= 1		0.0	-29.66	-73.02	153.42	.97	.08	-0.94	-2.03	-3.47		.21	.21	.226
		5.6	-29.66	-65.01	68.23	.97	.16	-0.94	-2.03	-2.15		.21	.21	.185
		11.3	-29.66	-52.06	3.04	.97	.23	-0.94	-2.03	-1.19		.22	.22	.154
		16.9	-29.66	-34.17	-62.15	.97	.30	-0.94	-2.03	-1.62		.22	.22	.168
		22.5	-29.66	-11.34	-127.34	.97	.37	-0.94	-2.03	-2.92		.22	.22	.209
606= 901 200= 1		0.0	-265.77	-495.08	-1302.55	-12.54	2.70	-45.57	-6.99	-7.80		.80	.80	.606
		14.0	-265.70	-119.15	275.75	-6.34	1.76	-45.57	-6.98	-1.68		.47	.47	.396
		28.0	-265.64	102.45	843.91	-.48	.86	-45.57	-6.98	-4.76		.18	.18	.501
		41.9	-265.59	168.56	450.36	5.13	-.08	-45.57	-6.98	-2.69		.40	.40	.430
		55.9	-265.56	69.68	-860.09	10.44	-1.12	-45.57	-6.98	-4.83		.68	.68	.504
606= 906 JL6= 1		0.0	-809.62	-514.47	-624.06	5.57	-10.98	-742.60	-11.41	-1.03		.82	.82	.446
		6.8	-809.04	-1170.09	-945.76	2.51	-5.23	-742.60	-11.43	-1.92		.64	.64	.471
		13.7	-809.44	-1590.56	-1045.28	-.05	-.07	-742.60	-11.45	-2.21		.47	.47	.479
		20.5	-810.82	-1201.25	-945.58	-2.55	4.60	-742.60	-11.47	-1.94		.62	.62	.473
		27.4	-812.22	-647.58	-865.64	-4.43	8.81	-742.60	-11.49	-1.16		.75	.75	.453
610= 910 P2= 1		0.0	-228.14	-604.87	-1069.76	17.54	6.83	-483.59	-.90	-.51		.25	.25	.049
		6.8	-231.15	-9.31	-2509.76	17.54	7.67	-483.59	-.92	-1.05		.25	.25	.067
		13.7	-236.17	654.95	-3949.76	17.54	8.51	-483.59	-.94	-1.67		.26	.26	.087
		20.5	-241.18	1387.65	-5389.75	17.54	9.34	-483.59	-.96	-2.32		.26	.26	.109
		27.4	-246.20	2149.44	-6829.75	17.54	10.16	-483.59	-.98	-2.99		.26	.26	.131
611= 911 P2= 1		0.0	-2209.20	6964.22	1907.41	-1.42	-54.29	-685.86	-8.75	-3.01		.58	.58	.406
		6.8	-2205.21	2540.22	2023.94	-1.42	-53.46	-685.86	-8.77	-1.35		.57	.57	.361
		13.7	-2210.23	-1815.09	2140.57	-1.42	-52.62	-685.86	-8.79	-1.17		.56	.56	.356
		20.5	-2215.24	-6101.73	2257.15	-1.42	-51.78	-685.86	-8.81	-2.71		.56	.56	.400
		27.4	-2220.26	-10314.08	2373.74	-1.42	-50.95	-685.86	-8.83	-4.41		.55	.55	.447

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
812- 912	P2- 1	0.0	1904.79	-6145.62	1089.30	-3.29	40.99	-1620.91	7.58	2.60		.71	.71	.346
		6.8	1899.77	-2745.69	1359.06	-3.29	41.82	-1620.91	7.56	1.28		.71	.71	.304
		13.7	1894.76	722.87	1628.86	-3.29	42.66	-1620.91	7.54	.74		.72	.72	.286
		20.5	1889.74	4260.07	1898.65	-3.29	43.49	-1620.91	7.52	1.94		.73	.73	.323
		27.4	1884.73	7055.91	2168.43	-3.29	44.33	-1620.91	7.50	3.40		.73	.73	.369
901- 902	189- 1	0.0	106.44	16.17	-170.21	1.69	-.46	23.34	5.02	2.48		.35	.35	.253
		6.6	106.44	-14.42	-252.10	.18	-.37	23.34	5.02	3.65		.21	.21	.290
		13.2	106.44	-39.69	-197.98	-1.54	-.27	23.34	5.02	2.92		.32	.32	.267
		19.8	106.44	-57.64	-7.85	-3.26	-.16	23.34	5.02	.84		.48	.48	.201
		26.4	106.44	-58.26	318.29	-4.97	-.09	23.34	5.02	4.71		.64	.64	.324
901- 904	189- 1	0.0	61.30	144.13	-170.56	1.77	-.82	8.34	2.89	3.23		.24	.24	.203
		6.6	61.29	85.07	-241.93	.03	-.72	8.34	2.89	3.70		.13	.13	.218
		13.2	61.28	29.34	-176.22	-1.69	-.63	8.34	2.89	2.59		.23	.23	.182
		19.8	61.29	-17.06	25.43	-3.40	-.54	8.34	2.89	.44		.38	.38	.115
		26.4	61.30	-56.14	361.90	-5.09	-.45	8.34	2.89	5.30		.54	.54	.268
901-1001	JL4- 1	0.0	5.51	1020.22	-2018.77	-16.66	-4.11	71.30	.08	2.88		.54	.54	.094
		6.6	4.08	705.95	-897.51	-10.51	-3.56	71.30	.06	1.45		.36	.36	.048
		13.7	2.65	432.50	-281.77	-4.58	-3.11	71.30	.04	.66		.20	.20	.022
		20.5	1.25	193.77	-127.17	.59	-2.72	71.30	.02	.29		.12	.12	.010
		27.4	-.15	-16.55	-299.13	3.05	-2.42	71.30	-.00	-.38		.16	.16	.012
901-1002	160- 1	0.0	-237.05	-255.93	55.79	4.07	2.33	73.13	-7.85	-2.17		.64	.64	.423
		9.5	-237.15	-54.70	-260.59	1.50	1.24	73.13	-7.86	-2.35		.46	.46	.429
		18.9	-237.25	48.66	-294.54	-.87	.25	73.13	-7.86	-2.67		.39	.39	.440
		28.4	-237.38	24.42	-72.69	-2.96	-.64	73.13	-7.86	-.69		.53	.53	.375
		37.8	-237.50	-76.55	330.76	-3.92	-1.03	73.13	-7.87	-3.04		.60	.60	.452
901-1004	160- 1	0.0	247.51	184.25	119.44	4.39	-2.60	62.52	8.20	1.97		.62	.62	.348
		9.5	247.45	-26.73	-230.50	1.80	-1.15	62.52	8.20	2.08		.42	.42	.351
		18.9	247.35	-74.89	-298.07	-.57	.25	62.52	8.19	2.75		.32	.32	.372
		28.4	247.24	21.61	-114.37	-2.57	1.39	62.52	8.19	1.04		.47	.47	.318
		37.8	247.16	215.41	257.99	-3.40	1.89	62.52	8.19	2.87		.54	.54	.376
902- 903	189- 1	0.0	97.42	-72.90	123.17	3.01	.61	-33.76	4.59	2.07		.53	.53	.225
		6.6	97.42	-20.56	-47.54	1.50	.71	-33.76	4.59	.75		.38	.38	.184
		13.2	97.42	34.10	-83.15	-.39	.80	-33.76	4.59	1.33		.33	.33	.202
		19.8	97.42	106.09	14.43	-2.07	.89	-33.76	4.59	1.55		.46	.46	.209
		26.4	97.42	180.41	244.10	-3.75	.98	-33.76	4.59	4.39		.61	.61	.299
902- 904	149- 1	0.0	-.83	27.61	12.84	.04	-.39	-10.63	-.07	-1.02		.24	.24	.035
		6.6	-.83	2.54	10.03	.04	-.25	-10.63	-.07	-.34		.22	.22	.014
		13.2	-.83	-12.47	7.22	.04	-.12	-10.63	-.07	-.48		.20	.20	.018
		19.8	-.83	-16.62	4.40	.04	.01	-10.63	-.07	-.58		.18	.16	.022
		26.4	-.83	-10.71	1.59	.04	.14	-10.63	-.07	-.36		.20	.20	.015

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
902= 905 149= 1		0.0	11.80	28.75	182.28	3.09	-.32	5.93	.99	6.17		.62	.62	.230
		6.6	11.80	8.85	-5.09	1.65	-.19	5.93	.99	.34		.38	.38	.045
		13.2	11.79	-.59	-79.44	.23	-.05	5.93	.99	2.66		.14	.14	.119
		19.8	11.78	.42	-42.54	-1.16	.08	5.93	.99	1.42		.29	.29	.079
		26.4	11.78	11.89	103.81	-2.53	.21	5.93	.99	3.49		.53	.53	.145
903= 905 149= 1		0.0	-164.12	263.72	-8.07	.09	-1.24	9.21	-7.74	-3.82		.18	.18	.661
		6.6	-164.12	169.49	-14.87	.09	-1.14	9.21	-7.74	-2.46		.17	.17	.596
		13.2	-164.12	82.57	-21.66	.09	-1.05	9.21	-7.74	-1.24		.17	.17	.536
		19.8	-164.12	2.96	-28.45	.09	-.96	9.21	-7.74	-.41		.16	.16	.490
		26.4	-164.12	-69.28	-35.25	.09	-.87	9.21	-7.74	-1.12		.15	.15	.528
903=1002 160= 1		0.0	239.45	155.46	-457.95	-5.48	-1.89	16.71	7.93	4.32		.46	.46	.413
		9.5	239.30	1.37	6.64	-2.74	-.81	16.71	7.93	.06		.26	.26	.278
		16.9	239.16	-33.66	169.01	-.16	.18	16.71	7.92	1.54		.09	.09	.325
		24.4	239.06	37.98	51.81	2.13	1.05	16.71	7.92	.58		.23	.23	.294
		37.8	234.98	188.25	-264.26	3.18	1.51	16.71	7.92	2.91		.31	.31	.367
903=1003 JL9= 1		0.0	104.77	92.47	2869.64	16.30	8.85	-659.14	1.48	3.68		.94	.94	.168
		6.8	103.34	556.20	1716.24	12.51	2.48	-659.14	1.46	2.29		.77	.77	.123
		13.7	101.91	507.44	863.49	8.50	-3.61	-659.14	1.44	1.27		.68	.68	.090
		20.5	100.50	-22.57	311.43	5.04	-9.13	-659.14	1.42	.40		.71	.71	.062
		27.4	99.08	-934.93	.71	2.77	-12.69	-659.14	1.40	1.19		.79	.79	.086
903=1005 160= 1		0.0	476.74	531.23	23.17	.44	-5.01	-14.23	15.79	4.76		.40	.40	.700
		9.5	476.64	95.54	-11.34	.18	-2.69	-14.23	15.79	.86		.24	.24	.577
		16.9	476.56	-82.08	-19.44	-.03	-.47	-14.23	15.79	.76		.09	.09	.573
		24.4	476.48	-19.98	-4.24	-.23	1.46	-14.23	15.78	.18		.16	.16	.555
		37.8	476.40	211.07	28.87	-.53	2.37	-14.23	15.78	1.91		.22	.22	.610
904= 905 149= 1		0.0	-10.84	-11.74	145.94	2.78	-.21	5.88	-.91	-4.90		.57	.57	.196
		6.6	-10.84	-23.55	-21.92	1.45	-.08	5.88	-.91	-1.07		.34	.34	.075
		13.2	-10.84	-24.46	-83.93	.11	.05	5.88	-.91	-2.92		.12	.12	.134
		19.8	-10.84	-15.14	-38.79	-1.25	.18	5.88	-.91	-1.39		.31	.31	.085
		26.4	-10.84	4.03	114.82	-2.03	.32	5.88	-.91	-3.84		.54	.54	.163
904= 906 169= 1		0.0	68.75	-51.51	217.55	5.06	-.09	-19.35	3.24	3.23		.49	.49	.215
		6.6	68.76	-55.11	-5.68	1.98	.00	-19.35	3.24	.80		.33	.33	.138
		13.2	68.77	-51.58	-97.06	.53	.09	-19.35	3.24	1.59		.17	.17	.163
		19.8	68.77	-40.35	-58.59	-1.30	.19	-19.35	3.24	1.03		.26	.26	.145
		26.4	68.77	-21.97	108.56	-2.91	.28	-19.35	3.24	1.60		.42	.42	.164
905= 906 169= 1		0.0	-148.35	-55.43	183.38	.99	-.34	-5.10	-7.00	-2.77		.14	.14	.518
		6.6	-148.35	-76.64	105.51	.99	-.25	-5.10	-7.00	-1.90		.13	.13	.499
		13.2	-148.35	-94.54	27.25	.99	-.15	-5.10	-7.00	-1.42		.13	.13	.494
		19.8	-148.35	-103.12	-50.82	.99	-.06	-5.10	-7.00	-1.66		.13	.13	.501
		26.4	-148.35	-104.37	-128.89	.99	.03	-5.10	-7.00	-2.40		.13	.13	.518

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
906-1004	100- 1	0.0	-247.32	-208.09	-524.45	-4.74	1.66	25.34	-8.19	-3.45		.45	.45	.481
		9.5	-247.40	-60.24	63.67	-2.13	.95	25.34	-8.20	-.78		.27	.27	.394
		18.9	-247.48	6.78	165.05	.31	.25	25.34	-8.20	-1.48		.14	.14	.417
		28.4	-247.55	.75	4.15	2.43	-.32	25.34	-8.20	-.04		.28	.28	.369
		37.8	-247.65	-49.72	-337.20	3.33	-.49	25.34	-8.20	-3.05		.34	.34	.469
906-1005	100- 1	0.0	-478.53	-304.51	58.41	.47	3.44	17.82	-15.85	-2.78		.31	.31	.627
		9.5	-478.60	-21.44	20.45	.20	1.57	17.82	-15.85	-.27		.18	.18	.722
		18.9	-478.68	54.72	10.97	-.03	-.21	17.82	-15.86	-.50		.09	.09	.732
		28.4	-478.77	-64.92	25.28	-.21	-1.84	17.82	-15.86	-.62		.20	.20	.738
		37.8	-478.87	-322.70	53.89	-.27	-2.51	17.82	-15.86	-2.93		.25	.25	.834
906-1006	JL9- 1	0.0	-93.50	-1155.23	-817.60	.64	-.13	-616.74	-1.32	-1.78		.41	.41	.105
		6.8	-94.92	-987.05	-791.11	-1.26	5.67	-616.74	-1.34	-1.61		.50	.50	.100
		13.7	-96.34	-544.01	-614.94	-2.98	7.05	-616.74	-1.36	-1.04		.61	.61	.083
		20.5	-97.76	151.28	-310.33	-4.33	9.69	-616.74	-1.38	-.44		.69	.69	.064
		27.4	-99.18	976.05	56.95	-4.35	10.00	-616.74	-1.40	-1.25		.70	.70	.091
910-1010	P3- 1	0.0	-240.28	2189.55	-8830.72	17.48	-9.42	-256.30	-.83	-2.59		.18	.18	.113
		6.8	-252.18	1456.50	-8266.15	17.48	-8.43	-256.30	-.85	-3.03		.18	.18	.127
		13.7	-254.06	804.25	-9701.58	17.48	-7.45	-256.30	-.87	-3.51		.17	.17	.143
		20.5	-265.98	232.78	-11137.01	17.48	-6.47	-256.30	-.89	-4.02		.17	.17	.160
		27.4	-269.86	-257.90	-12572.45	17.48	-5.48	-256.30	-.91	-4.53		.17	.17	.177
911-1011	P3- 1	0.0	-2219.24	-10319.04	2379.72	-2.09	185.51	-2084.18	-7.51	-3.82		1.63	1.63	.382
		6.8	-2225.14	-4954.78	2551.58	-2.09	186.49	-2084.18	-7.53	-2.01		1.64	1.64	.335
		13.7	-2231.04	20309.35	2723.04	-2.09	187.47	-2084.18	-7.55	-7.39		1.64	1.64	.497
		20.5	-2236.94	35744.73	2894.69	-2.09	188.46	-2084.18	-7.57	-12.93		1.65	1.65	.673
		27.4	-2242.84	51260.09	3066.35	-2.09	189.44	-2084.18	-7.59	-18.52		1.66	1.66	.850
912-1012	P3- 1	0.0	1860.40	7665.91	2175.20	-3.29	-178.63	-2169.86	6.56	2.94		1.60	1.60	.315
		6.8	1874.50	-6762.15	2444.96	-3.29	-177.64	-2169.86	6.54	2.59		1.59	1.59	.303
		13.7	1888.60	-21309.43	2714.77	-3.29	-176.66	-2169.86	6.52	7.75		1.59	1.59	.465
		20.5	1902.71	-35775.98	2984.55	-3.29	-175.68	-2169.86	6.50	12.95		1.58	1.58	.629
		27.4	1916.81	-50161.80	3254.34	-3.29	-174.69	-2169.86	6.48	18.13		1.57	1.57	.792
1001-1002	200- 1	0.0	2.54	-164.54	-934.37	-2.79	1.04	-69.05	.07	5.31		.35	.35	.170
		7.6	2.54	-78.05	-670.64	-3.01	.97	-69.05	.07	3.78		.36	.36	.122
		15.2	2.54	8.54	-385.98	-3.25	.89	-69.05	.07	2.16		.37	.37	.071
		22.7	2.54	83.84	-77.22	-3.54	.81	-69.05	.07	.64		.38	.38	.023
		30.3	2.54	154.45	258.82	-3.85	.74	-69.05	.07	1.69		.40	.40	.056
1001-1004	200- 1	0.0	-1.65	160.74	-968.96	-3.14	-.41	-130.24	-.04	-5.50		.53	.53	.176
		7.6	-1.64	119.72	-676.05	-3.51	-.49	-130.24	-.04	-3.84		.54	.54	.124
		15.2	-1.65	71.61	-367.75	-3.47	-.56	-130.24	-.04	-2.10		.55	.55	.069
		22.7	-1.65	17.01	-44.57	-3.63	-.64	-130.24	-.04	-.27		.56	.56	.011
		30.3	-1.63	-44.68	291.01	-3.75	-.72	-130.24	-.04	-1.65		.56	.56	.054

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE Fx KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
1002-1003	200- 1	0.0	-338.72	-96.93	55.23	-.05	1.43	66.98	-8.90	-.62		.26	.26	.476
		7.6	-338.72	29.60	74.53	-.38	1.35	66.98	-8.90	-.45		.26	.26	.466
		15.2	-338.72	149.23	125.96	-.76	1.28	66.98	-8.90	-1.09		.27	.27	.491
		22.7	-338.72	261.98	211.91	-1.13	1.20	66.98	-8.90	-1.89		.27	.27	.520
		30.3	-338.72	367.83	352.32	-1.51	1.13	66.98	-8.90	-2.77		.29	.29	.550
1002-1004	140- 1	0.0	.28	191.25	101.62	.55	-.95	-30.25	.02	4.07		.42	.42	.129
		7.6	.28	100.55	52.15	.55	-1.05	-30.25	.02	2.12		.43	.43	.068
		15.2	.28	-.19	2.48	.55	-1.16	-30.25	.02	.05		.44	.44	.002
		22.7	.28	-110.58	-47.19	.55	-1.26	-30.25	.02	2.25		.46	.46	.072
		30.3	.28	-230.22	-96.86	.55	-1.37	-30.25	.02	4.69		.47	.47	.149
1002-1005	140- 1	0.0	12.17	151.19	84.25	.59	-.46	10.46	.76	3.25		.19	.19	.124
		7.6	12.16	104.41	38.10	.42	-.57	10.46	.76	2.09		.19	.19	.092
		15.2	12.15	47.99	7.52	.25	-.67	10.46	.76	.91		.19	.19	.055
		22.7	12.14	-16.08	-8.08	.08	-.78	10.46	.76	.37		.20	.20	.038
		30.3	12.13	-93.79	-8.12	-.08	-.89	10.46	.76	1.77		.21	.21	.082
1003-1005	200- 1	0.0	-340.36	655.45	-125.61	-.34	-2.71	20.74	-8.95	-3.79		.20	.20	.604
		7.6	-340.36	415.30	-95.04	-.34	-2.79	20.74	-8.95	-2.38		.21	.21	.548
		15.2	-340.36	156.28	-64.46	-.34	-2.86	20.74	-8.95	-.96		.21	.21	.491
		22.7	-340.36	-105.64	-33.91	-.34	-2.94	20.74	-8.95	-.62		.21	.21	.479
		30.3	-340.36	-376.44	-3.35	-.34	-3.02	20.74	-8.95	-2.11		.22	.22	.539
1004-1005	140- 1	0.0	-11.60	-119.71	66.71	.41	.65	23.50	-.72	-2.57		.32	.32	.113
		7.6	-11.60	-85.15	33.16	.32	.55	23.50	-.72	-1.57		.30	.30	.075
		15.1	-11.60	-20.19	8.21	.22	.44	23.50	-.72	-.41		.28	.28	.044
		22.7	-11.60	15.11	-6.41	.10	.34	23.50	-.72	-.31		.26	.26	.041
		30.3	-11.60	40.78	-8.97	-.04	.23	23.50	-.72	-.76		.25	.25	.056
1004-1006	200- 1	0.0	352.19	170.85	-4.71	-.85	-1.37	-11.15	9.26	.96		.11	.11	.353
		7.6	352.20	42.77	36.49	-.72	-1.45	-11.15	9.26	.40		.12	.12	.335
		15.1	352.17	-92.20	124.42	-.77	-1.52	-11.15	9.26	.87		.12	.12	.350
		22.7	352.16	-234.06	195.34	-.78	-1.60	-11.15	9.26	1.71		.12	.12	.376
		30.3	352.16	-382.80	206.49	-.78	-1.67	-11.15	9.26	2.61		.13	.13	.405
1005-1006	200- 1	0.0	341.92	122.72	54.97	-.11	-1.93	29.41	8.99	.71		.18	.18	.335
		7.6	341.92	-56.00	44.54	-.11	-2.00	29.41	8.99	.40		.19	.19	.326
		15.1	341.92	-241.61	54.12	-.11	-2.08	29.41	8.99	1.39		.19	.19	.357
		22.7	341.92	-434.10	63.69	-.11	-2.16	29.41	8.99	2.46		.20	.20	.391
		30.3	341.92	-635.48	73.26	-.11	-2.23	29.41	8.99	3.57		.20	.20	.426

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
101- 102	M16- 1	0.0	-5.42	432.65	-62.96	-.53	-7.15	.01	-.33	4.86	-5.67	.06	1.11	.372
		3.6	-5.42	154.39	-39.82	-.53	-5.43	.01	-.33	1.79	-3.71	.06	.84	.200
		7.3	-5.42	-39.18	-16.65	-.53	-3.70	.01	-.33	-.44	-1.55	.06	.58	.082
		10.9	-5.42	-182.04	6.51	-.53	-1.98	.01	-.33	-1.83	.61	.06	.31	.093
		14.5	-5.42	-211.91	29.67	-.53	-.26	.01	-.33	-2.37	2.77	.06	.04	.186
101- 104	M16- 1	0.0	-7.76	459.65	-57.70	-.44	-7.42	-.01	-.48	4.94	-5.38	.05	1.15	.364
		3.6	-7.76	154.72	-38.71	-.44	-5.70	-.01	-.48	1.74	-3.61	.05	.88	.201
		7.2	-7.76	-55.58	-19.71	-.44	-3.98	-.01	-.48	-.62	-1.84	.05	.62	.104
		10.9	-7.76	-191.04	-.71	-.44	-2.25	-.01	-.48	-2.14	-.07	.05	.35	.090
		14.5	-7.76	-251.55	18.26	-.44	-.55	-.01	-.48	-2.82	1.71	.05	.06	.169
101- 201	DBL- 1	0.0	-19.57	-380.87	652.48	9.68	5.97	-120.68	-.21	-1.18		.34	.34	.045
		3.8	-20.73	-112.15	217.15	9.68	5.97	-120.68	-.23	-.38		.34	.34	.020
		7.5	-21.89	156.82	-218.59	9.68	5.97	-120.68	-.24	-.42		.34	.34	.022
		11.3	-23.05	425.56	-654.33	9.68	5.97	-120.68	-.25	-1.22		.34	.34	.048
		15.0	-24.22	694.11	-1090.07	9.68	5.97	-120.68	-.27	-2.02		.34	.34	.074
102- 103	M16- 1	0.0	-5.38	-210.45	26.55	.44	.11	-.01	-.33	-2.36	2.46	.05	.02	.174
		3.6	-5.38	-100.37	7.09	.44	1.83	-.01	-.33	-1.89	.66	.05	.28	.097
		7.3	-5.38	-51.58	-12.18	.44	3.55	-.01	-.33	-.58	-1.13	.05	.55	.072
		10.9	-5.38	140.51	-31.41	.44	5.27	-.01	-.33	1.58	-2.93	.05	.82	.166
		14.5	-5.38	407.51	-50.67	.44	6.99	-.01	-.33	4.57	-4.73	.05	1.09	.323
102- 104	M66- 1	0.0	.62	1.17	4.15	.06	-.17	.00	.09	.06	.74	.01	.09	.031
		3.6	.62	-4.23	1.39	.06	-.08	.00	.09	-.20	.25	.01	.04	.014
		7.2	.62	-5.84	-1.38	.06	.01	.00	.09	-.28	-.25	.01	.00	.021
		10.9	.62	-5.67	-4.14	.06	.09	.00	.09	-.18	-.74	.01	.05	.034
		14.5	.62	2.27	-6.91	.06	.16	.00	.09	.11	-1.23	.01	.09	.049
102- 105	M66- 1	0.0	.46	-1.14	-.83	-.02	-.20	-.00	.06	-.05	-.15	.00	.10	.009
		3.6	.46	-7.91	.10	-.02	-.11	-.00	.06	-.36	.02	.00	.06	.015
		7.2	.46	-10.69	1.05	-.02	-.03	-.00	.06	-.52	.18	.00	.01	.025
		10.9	.46	-10.09	1.96	-.02	.06	-.00	.06	-.49	.35	.00	.03	.030
		14.5	.46	-5.51	2.69	-.02	.15	-.00	.06	-.27	.52	.00	.08	.029
103- 105	M16- 1	0.0	-9.01	531.37	46.96	.37	-6.57	.04	-.56	3.72	4.38	.04	1.02	.294
		3.6	-9.01	82.98	30.70	.37	-4.85	.04	-.56	.93	2.86	.04	.75	.153
		7.2	-9.01	-90.57	14.44	.37	-3.13	.04	-.56	-1.02	1.35	.04	.49	.102
		10.9	-9.01	-189.29	-1.82	.37	-1.41	.04	-.56	-2.12	-.17	.04	.22	.097
		14.5	-9.01	-213.17	-18.09	.37	.31	.04	-.56	-2.39	-1.69	.04	.05	.158
103- 203	DBL- 1	0.0	-18.57	-260.92	-573.10	-10.21	7.17	97.63	-.20	-1.00		.35	.35	.039
		3.8	-19.73	55.04	-113.76	-10.21	7.17	97.63	-.22	-.19		.35	.35	.014
		7.5	-20.89	350.61	345.58	-10.21	7.17	97.63	-.23	-.78		.35	.35	.033
		11.3	-22.05	681.54	804.92	-10.21	7.17	97.63	-.24	-1.65		.35	.35	.061
		15.0	-23.22	1004.15	1264.26	-10.21	7.17	97.63	-.25	-2.53		.35	.35	.089

LOAD CONDITION NO. 9

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
104- 105 W10-	1	0.0	-1.09	-2.32	4.78	.03	-.13	-.01	-.16	-.11	.85	.01	.07	.043
		3.6	-1.09	-6.06	3.59	.03	-.04	-.01	-.16	-.29	.64	.01	.02	.042
		7.3	-1.09	-6.01	2.41	.03	.04	-.01	-.16	-.29	.43	.01	.03	.034
		10.9	-1.09	-2.17	1.22	.03	.13	-.01	-.16	-.10	.22	.01	.07	.021
		14.5	-1.09	5.44	.03	.03	.22	-.01	-.16	.26	.01	.01	.12	.018
104- 106 W10-	1	0.0	-6.83	-249.36	6.60	-.01	-.22	.04	-.42	-2.80	.62	.00	.04	.126
		3.6	-6.83	-221.66	7.03	-.01	1.50	.04	-.42	-2.49	.66	.00	.23	.119
		7.3	-6.83	-119.03	7.47	-.01	3.22	.04	-.42	-1.34	.70	.00	.50	.084
		10.9	-6.83	58.52	7.91	-.01	4.94	.04	-.42	.66	.74	.00	.77	.064
		14.5	-6.83	317.13	8.35	-.01	11.69	.04	-.42	3.56	.78	.00	1.81	.157
105- 106 W10-	1	0.0	-8.24	-216.65	-15.16	-.20	.66	.03	-.51	-2.45	-1.41	.02	.11	.148
		3.6	-8.24	-151.66	-8.50	-.20	2.40	.03	-.51	-1.70	-.61	.02	.37	.096
		7.3	-8.24	-9.77	2.16	-.20	4.12	.03	-.51	-.11	.20	.02	.64	.032
		10.9	-8.24	207.06	10.82	-.20	5.84	.03	-.51	2.32	1.01	.02	.91	.130
		14.5	-8.24	496.81	19.47	-.20	7.57	.03	-.51	5.60	1.82	.02	1.18	.262
105- 206 DRL-	1	0.0	-27.44	706.67	90.86	7.45	-1.18	-27.82	-.50	-1.11		.19	.19	.046
		3.8	-28.60	653.40	-243.53	7.45	-1.18	-27.82	-.51	-1.09		.19	.19	.046
		7.5	-29.76	600.13	-577.94	7.45	-1.18	-27.82	-.53	-1.30		.19	.19	.053
		11.3	-30.92	546.86	-912.35	7.45	-1.18	-27.82	-.54	-1.66		.19	.19	.065
		15.0	-32.09	493.59	-1246.77	7.45	-1.18	-27.82	-.55	-2.10		.19	.19	.079
201- 202 W10-	1	0.0	-24.98	601.55	-68.12	-.59	-10.28	.00	-1.54	6.75	-6.35	.07	1.60	.500
		3.6	-24.98	208.26	-42.40	-.59	-7.80	.00	-1.54	2.34	-3.96	.07	1.21	.277
		7.3	-24.98	-77.01	-16.69	-.59	-5.32	.00	-1.54	-.86	-1.56	.07	.83	.146
		10.9	-24.98	-254.26	9.03	-.59	-2.83	.00	-1.54	-2.85	.84	.07	.44	.184
		14.5	-24.98	-323.50	34.75	-.59	-.35	.00	-1.54	-3.63	3.24	.07	.05	.293
201- 204 W10-	1	0.0	66.43	503.54	-61.60	-.49	-9.67	-.03	4.10	5.65	-5.75	.06	1.50	.522
		3.6	66.43	137.12	-40.52	-.49	-7.19	-.03	4.10	1.54	-3.76	.06	1.12	.322
		7.2	66.43	-121.38	-19.04	-.49	-4.70	-.03	4.10	-1.36	-1.78	.06	.73	.248
		10.9	66.43	-271.96	2.24	-.49	-2.22	-.03	4.10	-3.05	.21	.06	.35	.247
		14.5	66.43	-314.82	23.51	-.49	.26	-.03	4.10	-3.53	2.19	.06	.04	.331
201- 301 DRL-	1	0.0	-45.50	296.09	-159.86	-6.43	-62.97	-267.43	-.50	-.51		1.60	1.60	.034
		3.8	-46.66	-2557.64	149.61	-6.43	-62.97	-267.43	-.51	-3.98		1.60	1.60	.144
		7.5	-47.83	-5371.58	459.09	-6.43	-62.97	-267.43	-.52	-8.43		1.60	1.60	.286
		11.3	-48.99	-8204.64	728.56	-6.43	-62.69	-267.43	-.54	-12.89		1.59	1.59	.427
		15.0	-49.59	-10906.80	1018.03	-6.43	-57.03	-267.43	-.54	-17.14		1.47	1.47	.562
201- 303 120-	1	0.0	2.34	96.76	-32.56	1.37	-1.51	-25.91	.08	1.27		.31	.31	.043
		8.2	1.98	-17.15	-166.80	1.37	-.81	-25.91	.07	2.09		.27	.27	.069
		16.3	1.62	-62.69	-301.19	1.37	-.12	-25.91	.06	3.84		.26	.26	.123
		24.5	1.26	-39.63	-431.72	.35	.80	-25.91	.04	5.41		.22	.22	.173
		32.6	.99	219.38	420.64	-19.17	4.46	-25.91	.03	5.92		1.55	1.55	.189

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
202- 203 A18- 1		0.0	-24.79	-325.36	31.09	.51	.03	.02	-1.53	-3.65	2.90	.06	.01	.281
		3.6	-24.79	-269.95	8.59	.51	2.52	.02	-1.53	-3.03	.83	.06	.39	.189
		7.3	-24.79	-106.52	-13.31	.51	5.00	.02	-1.53	-1.20	-1.24	.06	.78	.145
		10.9	-24.79	164.95	-35.52	.51	7.48	.02	-1.53	1.85	-3.31	.06	1.16	.238
		14.5	-24.79	544.39	-57.72	.51	9.96	.02	-1.53	6.11	-5.38	.06	1.55	.445
202- 204 A08- 1		0.0	.83	-1.67	4.99	.07	-.17	.00	.12	-.09	.89	.01	.09	.038
		3.6	.83	-7.58	1.96	.07	-.09	.00	.12	-.36	.35	.01	.05	.028
		7.2	.83	-9.52	-1.08	.07	-.00	.00	.12	-.46	-.19	.01	.00	.025
		10.9	.83	-7.67	-4.09	.07	.09	.00	.12	-.37	-.73	.01	.05	.041
		14.5	.83	-2.04	-7.12	.07	.17	.00	.12	-.10	-1.27	.01	.09	.051
202- 205 A05- 1		0.0	.38	1.65	-1.54	-.04	-.21	-.01	.05	.09	-.24	.01	.11	.013
		3.6	.38	-5.28	.53	-.04	-.12	-.01	.05	-.25	.06	.01	.06	.012
		7.2	.38	-8.63	2.00	-.04	-.03	-.01	.05	-.41	.36	.01	.02	.028
		10.9	.38	-8.20	3.67	-.04	.05	-.01	.05	-.39	.65	.01	.03	.037
		14.5	.38	-5.99	5.33	-.04	.14	-.01	.05	-.19	.95	.01	.08	.041
203- 205 A21- 1		0.0	-34.66	1046.80	90.49	.68	-22.38	.03	-1.61	6.95	5.32	.06	2.32	.470
		3.6	-34.66	205.27	60.81	.68	-16.32	.03	-1.61	1.36	3.57	.06	1.69	.253
		7.2	-34.66	-372.08	31.14	.68	-10.26	.03	-1.61	-2.47	1.83	.06	1.06	.207
		10.9	-34.66	-687.05	1.46	.68	-4.20	.03	-1.61	-4.56	.09	.06	.44	.213
		14.5	-34.66	-737.84	-28.21	.68	1.86	.03	-1.61	-4.90	-1.66	.06	.19	.278
203- 303 BRL- 1		0.0	-123.28	-305.72	-89.53	3.06	-58.45	288.67	-1.55	-.50		1.51	1.51	.065
		3.8	-124.44	-2935.88	-227.06	3.06	-58.45	288.67	-1.57	-4.61		1.51	1.51	.195
		7.5	-125.60	-5566.03	-364.59	3.06	-58.45	288.67	-1.58	-8.73		1.51	1.51	.326
		11.3	-126.77	-8195.71	-502.12	3.06	-58.17	288.67	-1.59	-12.84		1.50	1.50	.457
		15.0	-127.36	-10696.28	-639.65	3.06	-52.50	288.67	-1.60	-16.76		1.38	1.38	.591
203- 336 120- 1		0.0	125.58	492.51	59.03	-1.08	-5.13	20.90	4.48	6.19		.50	.50	.352
		5.2	125.22	24.38	165.12	-1.08	-4.43	20.90	4.46	2.08		.45	.45	.221
		10.3	125.86	-375.39	271.20	-1.08	-3.73	20.90	4.45	5.78		.41	.41	.338
		20.5	125.51	-502.07	245.93	3.74	4.38	20.90	4.44	6.98		.54	.54	.375
		32.8	125.24	655.84	-574.18	12.97	18.73	20.90	4.43	10.69		1.74	1.74	.492
204- 205 A08- 1		0.0	-1.42	2.01	3.05	-.00	-.16	-.00	-.20	.10	.55	.00	.08	.035
		3.6	-1.42	-3.24	3.06	-.00	-.08	-.00	-.20	-.16	.55	.00	.04	.037
		7.3	-1.42	-4.71	3.06	-.00	.01	-.00	-.20	-.23	.55	.00	.01	.039
		10.9	-1.42	-2.59	3.06	-.00	.10	-.00	-.20	-.11	.55	.00	.05	.035
		14.5	-1.42	3.72	3.07	-.00	.18	-.00	-.20	.18	.55	.00	.09	.037
204- 206 A18- 1		0.0	67.61	-516.04	13.34	.08	.60	.05	4.17	-3.55	1.24	.01	.09	.301
		3.6	67.61	-236.85	9.82	.08	3.08	.05	4.17	-2.66	.92	.01	.48	.241
		7.3	67.61	-48.61	6.30	.08	5.56	.05	4.17	-.55	.59	.01	.87	.183
		10.9	67.61	247.47	2.78	.08	8.05	.05	4.17	2.78	.26	.01	1.25	.242
		14.5	67.61	657.75	-.74	.08	15.53	.05	4.17	7.38	-.07	.01	2.41	.381

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
205= 206 421= 1		0.0	-33.72	-741.70	-19.81	-.22	2.19	.00	-1.57	-4.92	-1.16	.02	.23	.260
		5.6	-33.72	-514.02	-10.30	-.22	8.25	.00	-1.57	-3.42	-.61	.02	.85	.193
		7.3	-33.72	-23.64	-.80	-.22	14.32	.00	-1.57	-.16	-.05	.02	1.48	.070
		10.9	-33.72	731.23	8.71	-.22	20.38	.00	-1.57	4.85	.51	.02	2.11	.235
		14.5	-33.72	1749.99	18.21	-.22	26.45	.00	-1.57	11.62	1.07	.02	2.74	.469
206= 301 160= 1		0.0	-156.00	-125.55	-331.25	-2.62	.39	18.24	-5.52	-4.42		.30	.30	.451
		8.2	-156.36	-53.20	-74.74	-2.62	1.08	18.24	-5.53	-1.14		.31	.31	.337
		16.3	-156.72	87.10	181.78	-2.62	1.78	18.24	-5.54	-2.52		.34	.34	.396
		24.5	-157.09	269.11	395.27	-.09	2.02	18.24	-5.56	-6.11		.26	.26	.508
		32.6	-157.58	340.30	-55.29	9.87	-1.66	18.24	-5.57	-4.30		.82	.82	.437
206= 306 DRL= 1		0.0	-2.04	2402.53	-755.77	-13.50	-90.51	-347.89	-.02	-3.94		2.28	2.28	.125
		3.0	-3.21	-1670.85	-148.38	-13.50	-90.51	-347.89	-.04	-2.62		2.28	2.28	.024
		7.5	-4.37	-5745.04	459.02	-13.50	-90.51	-347.89	-.05	-9.01		2.28	2.28	.287
		11.3	-5.53	-9771.46	1065.41	-13.50	-87.92	-347.89	-.06	-15.38		2.22	2.22	.489
		15.0	-6.13	-13616.74	1675.81	-13.50	-82.68	-347.89	-.07	-21.46		2.11	2.11	.682
301= 303 125= 1		0.0	7.25	74.50	748.35	16.65	-1.08	1.66	.38	14.15		1.75	1.75	.461
		7.3	7.25	6.87	-208.79	8.24	-.58	1.66	.38	5.02		.87	.87	.172
		14.5	7.25	-22.24	-636.25	-.17	-.08	1.66	.38	11.23		.03	.03	.368
		21.7	7.25	-7.03	-256.01	-8.58	.42	1.66	.38	4.52		.91	.91	.156
		29.0	7.25	50.10	455.88	-16.99	.92	1.66	.38	15.12		1.78	1.78	.492
301= 306 125= 1		0.0	89.51	666.59	198.69	7.55	-5.04	4.44	4.65	12.26		.96	.96	.550
		7.2	89.51	255.10	-253.15	3.02	-4.36	4.44	4.65	6.34		.59	.59	.362
		14.5	89.50	-81.55	-519.39	-1.54	-3.52	4.44	4.65	5.81		.42	.42	.346
		21.7	89.49	-312.82	14.02	-6.09	-1.96	4.44	4.65	5.52		.70	.70	.337
		29.0	89.49	-415.69	733.04	-10.40	-.36	4.44	4.65	14.86		1.12	1.12	.632
301= 401 DRL= 1		0.0	-114.76	-11780.02	1605.17	11.76	45.75	787.08	-1.26	-18.60		1.61	1.61	.637
		7.1	-114.75	-7478.57	599.36	11.76	57.16	787.08	-1.26	-11.74		1.90	1.90	.419
		14.2	-114.72	-1955.70	-406.40	11.76	72.32	787.08	-1.26	-3.12		2.22	2.22	.147
		21.4	-114.70	4875.41	-1412.19	11.76	87.03	787.08	-1.26	-7.94		2.54	2.54	.299
		28.5	-114.67	12851.78	-2417.97	11.76	99.11	787.08	-1.26	-20.46		2.81	2.81	.695
303= 306 125= 1		0.0	-61.63	616.45	-247.22	-7.83	-4.68	15.97	-3.20	-11.71		1.09	1.09	.512
		7.2	-61.63	256.19	247.82	-5.52	-4.00	15.97	-3.20	-6.04		.69	.69	.333
		14.5	-61.64	-69.01	557.28	1.04	-2.96	15.97	-3.20	-6.42		.47	.47	.345
		21.7	-61.66	-269.23	67.07	5.59	-1.60	15.97	-3.20	-4.89		.75	.75	.296
		29.0	-61.66	-340.62	-608.74	9.91	.00	15.97	-3.20	-12.30		1.17	1.17	.531
305= 405 DRL= 1		0.0	-136.47	-11050.21	-1231.22	-10.61	40.94	-1194.96	-1.50	-17.39		1.87	1.87	.608
		7.1	-136.44	-6989.16	-307.30	-10.61	54.35	-1194.96	-1.50	-10.94		2.16	2.16	.403
		14.2	-136.41	-1706.08	616.63	-10.61	69.51	-1194.96	-1.50	-2.84		2.48	2.48	.147
		21.4	-136.39	4884.03	1540.56	-10.61	84.22	-1194.96	-1.50	-8.01		2.80	2.80	.311
		28.5	-136.36	12020.01	2464.49	-10.61	96.30	-1194.96	-1.50	-20.11		3.07	3.07	.694

LOAD CONDITION NO. 9

U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
500= 506	GRP= 1	0.0	35.14	-13604.32	1834.49	12.95	61.84	47.39	.59	21.47		1.42	1.42	.693
		7.1	35.17	-7788.75	720.85	12.95	74.68	47.39	.59	12.24		1.70	1.70	.401
		14.2	35.19	-756.68	-380.79	12.95	89.52	47.39	.59	1.34		2.02	2.02	.056
		21.4	35.22	7487.86	-1488.43	12.95	105.34	47.39	.59	11.94		2.32	2.32	.391
		28.5	35.25	16819.97	-2596.07	12.95	114.42	47.39	.59	26.62		2.56	2.56	.856
501= 501	GRP= 1	0.0	1212.39	-3750.58	-16663.96	74.98	-40.32	-520.38	8.49	10.73		1.35	1.35	.635
		1.1	1212.52	-4320.73	-17707.58	77.47	-41.55	-520.38	8.48	11.45		1.39	1.39	.658
		2.3	1212.04	-4897.66	-18764.56	79.91	-42.75	-520.38	8.48	12.20		1.43	1.43	.681
		3.4	1211.56	-5490.79	-19844.81	82.30	-43.92	-520.38	8.48	12.97		1.47	1.47	.705
		4.5	1211.08	-6099.77	-21037.42	84.64	-45.06	-520.38	8.47	13.76		1.51	1.51	.730
501= 510	PI= 1	0.0	-1356.40	-6124.50	4565.40	6.62	-1.91	-701.26	-6.04	-3.58		.24	.24	.323
		1.1	-1357.14	-6149.81	4485.62	6.62	-1.79	-701.26	-6.04	-3.55		.24	.24	.323
		2.3	-1357.87	-6173.24	4347.45	6.62	-1.67	-701.26	-6.05	-3.53		.24	.24	.322
		3.4	-1358.60	-6195.18	4230.08	6.62	-1.55	-701.26	-6.05	-3.51		.24	.24	.322
		4.5	-1359.34	-6215.45	4112.31	6.62	-1.42	-701.26	-6.05	-3.49		.24	.24	.321
503= 503	GRP= 1	0.0	1169.95	-5444.02	17658.09	-91.62	-57.84	237.66	8.32	11.30		1.59	1.59	.647
		1.1	1169.47	-4294.14	18930.07	-94.32	-59.07	237.66	8.32	12.19		1.63	1.63	.675
		2.3	1168.99	-5060.85	20237.80	-96.76	-60.26	237.66	8.32	13.11		1.67	1.67	.704
		3.4	1168.51	-5893.73	21578.59	-99.15	-61.43	237.66	8.31	14.05		1.71	1.71	.734
		4.5	1168.03	-6742.47	22951.76	-101.48	-62.57	237.66	8.31	15.03		1.74	1.74	.765
503= 511	PI= 1	0.0	-1353.49	-6383.84	-5727.84	-9.79	-1.42	539.45	-6.12	-4.00		.22	.22	.340
		1.1	-1354.23	-6382.34	-5594.19	-9.79	-1.29	539.45	-6.12	-3.97		.22	.22	.339
		2.3	-1354.96	-6399.15	-5460.54	-9.79	-1.17	539.45	-6.12	-3.93		.22	.22	.338
		3.4	-1355.69	-6414.28	-5326.90	-9.79	-1.05	539.45	-6.13	-3.90		.22	.22	.337
		4.5	-1356.43	-6427.74	-5193.25	-9.79	-.92	539.45	-6.13	-3.87		.21	.21	.336
505= 506	GRP= 1	0.0	-2213.74	6706.93	-2150.01	15.48	124.31	-164.95	-15.49	-4.42		1.80	1.80	.679
		1.1	-2214.21	8425.56	-2314.49	15.48	126.83	-164.95	-15.49	-5.49		1.84	1.84	.713
		2.3	-2214.66	10176.22	-2498.96	15.48	129.28	-164.95	-15.49	-6.58		1.87	1.87	.748
		3.4	-2215.15	11964.05	-2663.44	15.48	131.66	-164.95	-15.50	-7.70		1.90	1.90	.783
		4.6	-2215.63	13782.51	-2867.91	15.48	134.01	-164.95	-15.50	-8.84		1.94	1.94	.819
506= 512	PI= 1	0.0	2208.07	12710.64	-438.45	-.52	-13.52	-215.26	10.25	5.95		.17	.17	.545
		1.1	2207.54	12526.86	-431.29	-.52	-13.40	-215.26	10.25	5.86		.17	.17	.542
		2.3	2206.80	12344.76	-424.13	-.52	-13.27	-215.26	10.24	5.78		.17	.17	.539
		3.4	2206.87	12164.34	-416.98	-.52	-13.15	-215.26	10.24	5.69		.17	.17	.537
		4.6	2205.14	11985.59	-409.82	-.52	-13.03	-215.26	10.24	5.61		.17	.17	.534
501= 502	103= 1	0.0	-177.17	244.69	-497.06	-.54	-3.01	228.27	-5.87	-4.96		1.22	1.22	.362
		3.8	-177.17	114.03	-412.11	-3.19	-2.74	228.27	-5.87	-3.83		1.30	1.30	.330
		7.6	-177.17	-4.07	-206.65	-5.85	-2.46	228.27	-5.87	-1.85		1.44	1.44	.276
		11.4	-177.17	-109.80	119.30	-8.50	-2.16	228.27	-5.87	-1.45		1.60	1.60	.264
		15.1	-177.17	-202.57	565.75	-11.15	-1.91	228.27	-5.87	-5.38		1.77	1.77	.375

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
501- 504	105- 1	0.0	240.41	1288.78	-597.17	-5.81	-7.92	103.33	9.02	12.56		1.04	1.04	.732
		3.8	240.40	915.21	-394.50	-5.11	-7.83	103.33	9.02	8.92		1.07	1.07	.617
		7.6	240.39	575.07	-132.45	-6.42	-7.33	103.33	9.02	5.28		1.11	1.11	.502
		11.4	240.38	249.22	188.97	-7.72	-7.00	103.33	9.02	2.80		1.15	1.15	.423
		15.2	240.37	-81.47	509.77	-9.03	-6.65	103.33	9.02	5.13		1.21	1.21	.497
501- 601	JL5- 1	0.0	1151.97	-5156.45	-19025.71	-120.66	25.45	-217.13	8.06	12.38		1.79	1.79	.672
		1.5	1151.35	-4722.11	-16855.05	-117.62	21.98	-217.13	8.05	11.00		1.74	1.74	.628
		3.0	1150.70	-4334.17	-14734.07	-114.67	20.56	-217.13	8.05	9.65		1.70	1.70	.586
		4.6	1150.06	-3971.66	-12668.10	-111.61	19.19	-217.13	8.05	8.34		1.66	1.66	.544
		6.1	1149.42	-3633.76	-10653.49	-109.04	17.86	-217.13	8.04	7.07		1.61	1.61	.504
501- 642	206- 1	0.0	11.14	70.59	1703.24	16.48	-.69	213.77	.29	9.54		1.57	1.57	.512
		5.1	11.17	22.42	714.15	14.15	-.69	213.77	.29	4.00		1.34	1.34	.137
		10.1	11.20	-15.05	-18.67	10.04	-.48	213.77	.29	.13		1.13	1.13	.014
		15.2	11.23	-35.41	-510.07	6.17	-.26	213.77	.30	2.46		.92	.92	.101
		20.2	11.26	-44.93	-772.94	2.52	-.06	213.77	.30	4.33		.73	.73	.147
502- 503	105- 1	0.0	-181.64	-211.05	401.45	9.94	1.16	-178.11	-6.02	-4.71		1.46	1.46	.361
		3.8	-181.64	-152.13	90.08	7.29	1.43	-178.11	-6.02	-1.58		1.29	1.29	.273
		7.6	-181.64	-80.67	-180.83	4.65	1.71	-178.11	-6.02	-1.77		1.12	1.12	.279
		11.4	-181.64	5.36	-351.25	1.98	1.99	-178.11	-6.02	-2.97		.98	.98	.312
		15.1	-181.64	99.96	-501.12	-.67	2.26	-178.11	-6.02	-3.35		.95	.95	.323
502- 504	125- 1	0.0	8.89	172.25	17.37	-1.36	-1.45	-95.65	.46	3.05		1.05	1.05	.113
		3.8	8.89	110.81	58.29	-.51	-1.26	-95.65	.46	2.18		.98	.98	.085
		7.6	8.90	58.24	45.41	.74	-1.06	-95.65	.46	1.30		.98	.98	.057
		11.4	8.90	14.97	-12.29	1.60	-.85	-95.65	.46	.34		1.05	1.05	.027
		15.1	8.91	-18.58	-117.80	2.65	-.63	-95.65	.46	2.10		1.15	1.15	.083
502- 505	125- 1	0.0	17.23	187.21	66.93	1.72	-1.62	94.52	.90	3.51		1.06	1.06	.142
		3.8	17.24	117.98	12.88	.65	-1.43	94.52	.90	2.09		1.00	1.00	.097
		7.6	17.24	57.54	6.64	-.39	-1.23	94.52	.90	1.02		.97	.97	.064
		11.4	17.25	6.42	48.22	-1.44	-1.02	94.52	.90	.86		1.02	1.02	.058
		15.1	17.25	-34.97	137.60	-2.49	-.80	94.52	.90	2.50		1.11	1.11	.110
503- 505	105- 1	0.0	-146.85	1101.54	467.86	1.25	-7.14	-131.49	-4.86	-10.71		1.07	1.07	.506
		3.8	-146.84	765.24	381.24	2.56	-6.85	-131.49	-4.86	-7.80		1.07	1.07	.416
		7.6	-146.83	478.38	235.23	3.87	-6.55	-131.49	-4.86	-4.77		1.09	1.09	.320
		11.4	-146.82	188.20	29.84	5.17	-6.22	-131.49	-4.86	-1.71		1.12	1.12	.232
		15.2	-146.80	-87.02	-234.91	6.48	-5.88	-131.49	-4.87	-2.24		1.17	1.17	.248
503- 603	JL5- 1	0.0	822.10	-5240.74	20535.68	135.76	29.74	351.72	-5.75	13.31		2.03	2.03	.622
		1.5	821.47	-4711.60	18123.12	130.71	26.27	351.72	5.75	11.76		1.98	1.98	.572
		3.0	820.85	-4208.88	15765.23	127.76	26.85	351.72	5.74	10.25		1.94	1.94	.524
		4.6	820.19	-3731.55	13480.35	124.90	25.46	351.72	5.74	8.78		1.89	1.89	.477
		6.1	819.56	-3276.85	11206.84	122.13	24.15	351.72	5.73	7.34		1.85	1.85	.432

STRAN MEMBER DETAIL REPORT

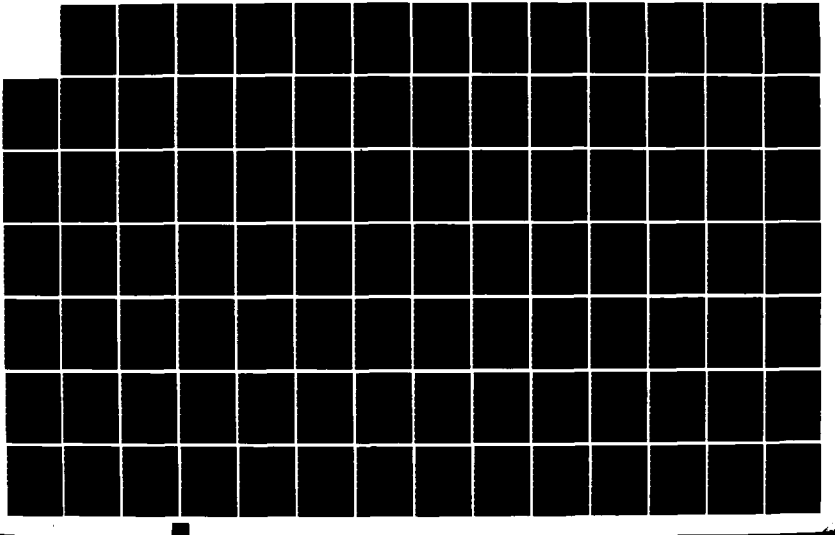
LOAD CONDITION NO. 9

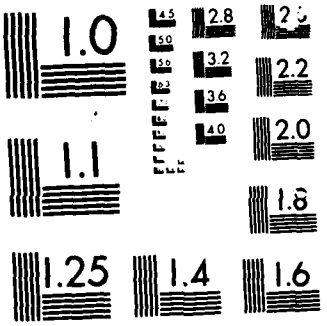
U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SPOT	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
503- 645 200-	1	0.0	539.62	1710.39	-465.60	-7.28	-13.81	-120.27	14.18	9.98		1.16	1.16	.810
		5.1	539.53	960.75	-103.41	-5.53	-11.09	-120.27	14.18	5.41		.98	.98	.665
		10.1	539.44	365.89	104.12	-3.50	-8.51	-120.27	14.19	2.24		.82	.82	.565
		15.2	539.35	-75.07	324.41	-1.79	-6.05	-120.27	14.19	1.86		.67	.67	.553
		20.2	539.26	-371.07	384.47	-.20	-3.71	-120.27	14.19	2.99		.53	.53	.589
504- 505 165-	1	0.0	-26.00	-117.42	84.80	5.43	-.57	-1.05	-1.35	-2.55		.37	.37	.132
		5.8	-26.00	-138.12	-24.09	1.35	-.34	-1.05	-1.35	-2.47		.15	.15	.130
		7.6	-26.00	-148.07	-38.04	-.75	-.12	-1.05	-1.35	-2.71		.09	.09	.137
		11.4	-26.00	-149.08	42.47	-2.61	.10	-1.05	-1.35	-2.73		.30	.30	.136
		15.1	-26.00	-139.55	217.53	-4.90	.35	-1.05	-1.35	-4.56		.52	.52	.196
504- 506 165-	1	0.0	313.26	71.69	367.37	5.06	-6.72	-61.77	10.38	3.35		.86	.86	.467
		5.8	313.25	-225.07	139.83	4.56	-6.36	-61.77	10.38	2.38		.79	.79	.436
		7.6	313.24	-306.17	-28.97	3.07	-5.96	-61.77	10.38	4.54		.72	.72	.505
		11.4	313.22	-768.94	-139.60	1.80	-5.58	-61.77	10.38	7.00		.67	.67	.583
		15.1	313.20	-1013.13	-192.67	.54	-5.16	-61.77	10.37	9.23		.62	.62	.653
505- 506 165-	1	0.0	-114.85	46.11	120.22	.17	-6.36	67.26	-3.94	-1.15		.72	.72	.182
		5.8	-114.86	-254.60	82.90	1.47	-5.99	67.26	-3.94	-2.23		.71	.71	.211
		7.6	-114.87	-496.45	-13.17	2.76	-5.61	67.26	-3.94	-4.46		.72	.72	.276
		11.4	-114.89	-744.58	-167.40	4.03	-5.21	67.26	-3.94	-6.83		.74	.74	.353
		15.1	-114.91	-972.11	-379.20	5.29	-4.80	67.26	-3.94	-9.34		.77	.77	.433
506- 606 JL5-	1	0.0	-1907.59	10551.25	-2652.89	-16.49	-67.40	-309.41	-13.54	-6.82		1.07	1.07	.680
		1.5	-1908.02	9324.54	-2352.00	-16.49	-64.37	-309.41	-13.35	-6.04		1.03	1.03	.656
		3.0	-1908.66	8142.15	-2051.12	-16.49	-61.44	-309.41	-13.35	-5.30		.99	.99	.632
		4.6	-1909.30	7067.33	-1750.24	-16.49	-58.60	-309.41	-13.36	-4.59		.95	.95	.610
		6.1	-1909.94	6043.48	-1449.36	-16.49	-55.85	-309.41	-13.36	-3.90		.91	.91	.589
505- 644 200-	1	0.0	-551.80	-1309.56	-1026.98	-10.28	9.02	-83.87	-14.50	-9.31		.95	.95	.810
		5.1	-551.77	-808.80	-471.14	-8.04	7.56	-83.87	-14.50	-5.23		.81	.81	.693
		10.1	-551.74	-390.41	-48.70	-5.80	6.15	-83.87	-14.50	-2.20		.68	.68	.607
		15.2	-551.71	-59.44	245.12	-3.81	4.76	-83.87	-14.50	-1.41		.56	.56	.584
		20.2	-551.72	188.68	415.11	-1.81	3.42	-83.87	-14.50	-2.55		.44	.44	.617
51- 710 P1-	1	0.0	-1339.21	-6240.25	4073.52	10.09	24.48	-878.67	-6.05	-3.49		.44	.44	.321
		6.3	-1345.50	-6353.18	3506.20	10.09	25.16	-878.67	-6.07	-2.56		.45	.45	.292
		12.7	-1347.39	-2414.31	2538.88	10.09	25.84	-878.67	-6.09	-1.64		.46	.46	.268
		19.0	-1351.47	-423.65	1771.56	10.09	26.52	-878.67	-6.11	-.85		.46	.46	.247
		25.3	-1355.56	1618.80	1004.24	10.09	27.20	-878.67	-6.13	-.89		.47	.47	.249
- 711 P1-	1	0.0	-1356.28	-6459.50	-5154.05	-11.29	33.66	902.24	-6.13	-3.87		.53	.53	.336
		6.3	-1360.55	-3874.06	-4295.73	-11.29	34.34	902.24	-6.15	-2.71		.54	.54	.300
		12.7	-1364.44	-1236.62	-3437.40	-11.29	35.03	902.24	-6.17	-1.71		.54	.54	.273
		19.0	-1368.53	1452.22	-2579.07	-11.29	35.71	902.24	-6.18	-1.38		.55	.55	.264
		25.3	-1372.61	4193.04	-1720.75	-11.29	36.39	902.24	-6.20	-2.12		.56	.56	.285

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

STRAP MEMBER DETAIL REPORT

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 95.0 FEET - 50 YR STORM

MEMBER GROUP	DIST FROM END	FORCE FA	MOMENT MY	MOMENT MZ	SHEAR FORCE FY	SHEAR FORCE FZ	TORSION MX	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
	FT.	KIPS	IN-KIPS	IN-KIPS	KIPS	KIPS	IN-KIPS	KSI	KSI	KSI	KSI	KSI	
512 712	.0	228.41	11953.39	-404.75	-.32	-57.42	-238.73	10.24	5.61		.56	.58	.534
	5.3	228.42	7014.91	-389.40	-.32	-57.14	-238.73	10.22	3.57		.57	.57	.455
	10.7	228.74	3295.07	-351.86	-.32	-56.86	-238.73	10.20	1.55		.57	.57	.406
	14.0	229.05	-471.22	-249.21	-.32	-56.75	-238.73	10.18	.47		.56	.56	.359
	20.5	229.55	-5150.47	-25 .55	-.32	-56.10	-238.73	10.16	2.43		.55	.55	.331
512 841 JOB# 1	.0	1137.28	-87 5.63	-10040.27	-56.70	25.15	-712.44	7.95	7.20		1.48	1.48	.515
	1.3	1137.54	-3249.31	-9291.36	-54.00	21.67	-712.44	7.95	6.19		1.44	1.44	.475
	5.0	1138.71	-2490.36	-7752.40	-51.37	20.53	-712.44	7.95	5.22		1.40	1.40	.442
	8.0	1139.87	-2541.11	-6362.76	-75.01	19.45	-712.44	7.94	4.28		1.36	1.36	.412
	10.1	1139.94	-2197.22	-4905.49	-70.52	18.28	-712.44	7.94	3.36		1.32	1.32	.385
513 843 JOB# 1	.0	847.55	-333 .27	11577.53	84.42	27.77	847.35	5.65	7.45		1.72	1.72	.454
	1.3	848.47	-2803.39	9301.24	80.72	26.30	847.35	5.65	6.20		1.68	1.68	.545
	5.0	849.58	-2247.82	7047.25	91.05	27.20	847.35	5.64	5.14		1.64	1.64	.533
	8.0	850.73	-1811.34	5135.73	91.52	28.06	847.35	5.64	4.03		1.60	1.60	.524
	10.1	851.10	-1540.31	4505.50	84.05	24.64	847.35	5.63	2.95		1.56	1.56	.490
513 845 JOB# 1	.0	-1411.11	5033.60	-1445.54	-10.19	-44.58	-314.11	-13.56	-3.90		.83	.83	.554
	1.3	-1411.74	5101.01	-1147.30	-10.49	-43.96	-314.11	-13.57	-3.52		.80	.80	.570
	5.0	-1411.57	4527.45	-546.25	-10.44	-44.56	-314.11	-13.57	-2.77		.76	.76	.555
	8.0	-1412.19	3941.09	-545.21	-10.49	-41.63	-314.11	-13.58	-2.25		.73	.73	.537
	10.1	-1412.46	2744.75	-244.10	-10.44	-37.90	-314.11	-13.58	-1.77		.70	.70	.522
513 851 JOB# 1	.0	1134.44	-2197.22	-8405.89	-76.32	18.28	-712.44	7.94	3.36		1.32	1.32	.383
	1.3	1135.21	-1574.71	-3547.31	-72.38	17.54	-712.44	7.93	2.52		1.26	1.26	.353
	5.0	1136.17	-1545.25	-2257.17	-56.86	14.56	-712.44	7.93	1.74		1.21	1.21	.331
	8.0	1136.84	-1536.93	-1035.53	-65.26	15.23	-712.44	7.92	1.06		1.16	1.16	.309
	10.1	1137.30	-1111.07	125.97	-61.79	11.65	-712.44	7.92	.70		1.10	1.10	.295
[illegible]	.0	11.26	-45.42	-772.59	2.52	-.05	215.92	.50	4.35		.73	.73	.147
	3.3	11.27	-43.73	-734.52	-3.43	.09	215.92	.50	4.23		.76	.76	.144
	11.7	11.30	-36.43	-301.00	-8.27	.25	215.92	.50	2.14		1.03	1.03	.078
	15.4	11.31	-11.50	327.85	-13.21	.39	215.92	.50	1.03		1.29	1.29	.068
	21.7	11.32	19.91	1331.81	-17.06	.54	215.92	.50	7.56		1.54	1.54	.250
513 853 JOB# 1	.0	1135.10	-1346.31	4505.50	84.05	24.64	847.35	5.63	2.95		1.56	1.56	.290
	1.3	1135.80	-2470.07	2710.17	80.25	23.17	847.35	5.63	1.92		1.50	1.50	.257
	5.0	1136.95	-2300.80	1544.05	81.57	21.49	847.35	5.62	.93		1.45	1.45	.225
	8.0	1138.19	-1125.49	-81.82	77.99	19.86	847.35	5.62	.09		1.39	1.39	.193
	10.1	1138.98	-2.35	-1135.12	74.31	18.28	847.35	5.61	.92		1.34	1.34	.225
[illegible]	.0	-531.72	133.83	815.15	-1.70	3.50	-85.70	-14.50	-2.55		.44	.44	.052
	3.3	-531.70	210.35	825.27	1.35	1.28	-85.70	-14.50	-3.08		.53	.53	.057
	11.7	-531.58	339.45	257.99	4.28	-.45	-85.70	-14.50	-2.42		.46	.46	.015
	18.5	-531.48	220.04	-130.25	6.98	-3.04	-85.70	-14.50	-1.47		.63	.63	.031
	21.7	-531.51	-30.32	-473.78	8.57	-5.34	-85.70	-14.50	-5.79		.80	.80	.052

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
645- 700	200- 1	0.0	539.68	-371.62	384.54	-.04	-3.65	-120.20	14.19	2.99		.53	.53	.589
		5.5	539.73	-498.70	305.77	2.41	-.25	-120.20	14.19	3.27		.46	.46	.597
		11.0	539.76	-406.32	70.71	4.71	2.96	-120.20	14.19	2.32		.63	.63	.567
		16.4	539.81	-114.38	-310.20	6.84	5.94	-120.20	14.19	1.85		.81	.81	.552
		21.9	539.85	369.19	-824.58	8.85	8.72	-120.20	14.19	5.07		.99	.99	.654
46- 650	JL0- 1	0.0	-1912.56	2799.73	-248.67	-16.49	-42.50	-313.72	-13.38	-1.77		.74	.74	.522
		1.5	-1913.19	2054.66	56.29	-16.49	-39.17	-313.72	-13.38	-1.29		.69	.69	.507
		3.0	-1913.82	1369.39	357.25	-16.49	-35.95	-313.72	-13.39	-.89		.65	.65	.494
		4.6	-1914.45	742.17	654.22	-16.49	-32.81	-313.72	-13.39	-.62		.61	.61	.487
		6.1	-1915.08	171.22	959.18	-16.49	-29.76	-313.72	-13.40	-.61		.57	.57	.487
651- 701	JL0- 1	0.0	1165.11	-1175.51	-612.95	-16.82	12.03	-1377.00	8.50	.83		.72	.72	.315
		1.6	1165.37	-936.70	-297.55	-12.05	10.23	-1377.00	8.29	.62		.66	.66	.308
		3.5	1164.63	-739.55	-64.95	-9.00	8.49	-1377.00	8.29	.47		.61	.61	.303
		5.3	1163.89	-576.01	86.73	-5.27	6.81	-1377.00	8.28	.37		.55	.55	.300
		7.1	1163.15	-444.32	160.11	-1.64	5.18	-1377.00	8.28	.30		.51	.51	.298
653- 703	JL0- 1	0.0	832.73	96.26	-717.94	29.84	21.32	1523.55	5.83	.46		.99	.99	.217
		1.8	831.99	550.92	-1310.80	25.87	19.52	1523.55	5.82	.89		.93	.93	.231
		3.5	831.25	927.89	-1820.42	22.02	17.76	1523.55	5.82	1.28		.87	.87	.243
		5.3	830.51	1206.45	-2249.35	18.29	16.10	1523.55	5.81	1.65		.82	.82	.254
		7.1	829.77	1613.78	-2599.95	14.66	14.47	1523.55	5.80	1.92		.77	.77	.265
650- 700	JL0- 1	0.0	-1915.09	171.22	959.55	-16.49	-28.90	-313.27	-13.40	-.61		.56	.56	.486
		1.6	-1915.83	-407.68	1310.48	-16.49	-25.46	-313.27	-13.40	-.86		.52	.52	.495
		3.5	-1916.56	-913.01	1661.63	-16.49	-22.14	-313.27	-13.41	-1.19		.48	.48	.504
		5.3	-1917.30	-1350.74	2012.76	-16.49	-18.92	-313.27	-13.41	-1.52		.45	.45	.515
		7.1	-1918.04	-1720.50	2363.93	-16.49	-15.82	-313.27	-13.42	-1.84		.42	.42	.525
701- 702	157- 1	0.0	-61.00	96.10	83.72	4.29	-.91	20.93	-4.18	-2.94		.91	.91	.296
		4.7	-61.00	48.47	-86.56	1.76	-.85	20.93	-4.18	-2.20		.58	.58	.273
		9.4	-61.00	2.27	-114.30	-.77	-.79	20.93	-4.18	-2.61		.46	.46	.241
		14.1	-61.00	-40.50	.49	-3.31	-.73	20.93	-4.18	-.92		.77	.77	.237
		18.8	-61.00	-79.63	257.82	-5.84	-.67	20.93	-4.18	-4.16		1.11	1.11	.342
701- 704	157- 1	0.0	7.66	165.82	-52.54	1.29	-1.27	-7.38	.53	3.97		.53	.53	.144
		4.7	7.65	96.43	-90.31	.05	-1.20	-7.38	.52	3.02		.25	.25	.114
		9.4	7.65	31.13	-97.42	-1.22	-1.12	-7.38	.52	1.49		.31	.31	.065
		14.1	7.65	-29.42	47.05	-2.50	-1.03	-7.38	.52	1.27		.45	.45	.058
		18.8	7.65	-84.55	223.93	-3.79	-.93	-7.38	.52	5.46		.62	.62	.191
701- 801	JL7- 1	0.0	591.10	756.07	412.79	-26.50	7.86	-404.45	8.36	1.10		1.03	1.03	.326
		6.6	589.72	1153.91	2016.89	-14.46	2.27	-404.45	8.34	2.95		.67	.67	.384
		13.2	588.34	1129.69	2750.85	-3.73	-2.81	-404.45	8.32	3.76		.39	.39	.409
		19.8	586.98	720.38	2631.00	6.10	-7.46	-404.45	8.30	3.47		.53	.53	.399
		26.4	585.63	-42.46	1786.54	15.14	-11.75	-404.45	8.28	2.27		.80	.80	.350

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
701- 800 200- 1		0.0	401.90	1094.58	456.92	7.28	-10.95	-9.23	12.14	6.64		.72	.72	.633
		12.2	401.96	-114.98	-266.89	2.95	-5.64	-9.23	12.14	1.73		.36	.36	.477
		24.4	402.01	-581.55	-429.74	-.93	-.81	-9.23	12.14	4.05		.09	.09	.551
		36.6	402.12	-375.97	-34.21	-4.40	3.53	-9.23	12.15	2.11		.32	.32	.490
		48.8	402.22	425.58	441.56	-7.49	7.32	-9.23	12.15	5.28		.58	.56	.590
702- 703 157- 1		0.0	-60.47	-83.09	271.80	6.15	.70	-21.04	-4.15	-6.48		1.09	1.09	.389
		4.7	-60.47	-42.00	-2.99	5.61	.76	-21.04	-4.15	-.96		.75	.75	.257
		9.4	-60.47	2.49	-135.04	1.08	.82	-21.04	-4.15	-3.08		.43	.43	.293
		14.1	-60.47	50.41	-124.57	-1.45	.86	-21.04	-4.15	-3.07		.47	.47	.294
		18.8	-60.47	101.76	24.45	-3.99	.90	-21.04	-4.15	-2.41		.80	.80	.282
702- 704 127- 1		0.0	8.77	22.55	-101.84	-2.47	-.66	-6.24	.74	3.49		.53	.53	.136
		4.7	8.76	-7.79	5.05	-1.53	-.39	-6.24	.74	.31		.34	.34	.055
		9.4	8.76	-21.65	48.07	-.20	-.10	-6.24	.74	1.76		.14	.14	.081
		14.1	8.75	-18.50	27.24	.94	.22	-6.24	.74	1.10		.27	.27	.060
		18.8	8.75	2.85	-57.46	2.07	.54	-6.24	.73	1.92		.46	.46	.086
702- 705 127- 1		0.0	7.87	20.48	88.05	2.58	-.69	4.78	.66	3.07		.50	.50	.120
		4.7	7.86	-4.10	-13.94	1.24	-.40	4.78	.66	.49		.30	.30	.036
		9.4	7.86	-16.17	-52.07	.11	-.10	4.78	.66	1.84		.10	.10	.041
		14.1	7.85	-15.07	-26.33	-1.02	.21	4.78	.66	1.01		.26	.26	.055
		18.8	7.85	5.04	63.20	-2.16	.53	4.78	.66	2.12		.45	.45	.090
703- 705 157- 1		0.0	24.55	161.07	115.84	-.85	-1.28	5.04	1.68	4.54		.27	.27	.202
		4.7	24.54	91.46	128.64	.39	-1.22	5.04	1.68	3.61		.23	.23	.175
		9.4	24.53	25.15	71.23	1.66	-1.14	5.04	1.68	1.72		.33	.33	.115
		14.1	24.53	-36.41	-57.44	2.94	-1.05	5.04	1.68	1.56		.49	.49	.108
		18.8	24.54	-92.56	-259.67	4.23	-.95	5.04	1.68	6.29		.65	.65	.256
703- 801 200- 1		0.0	-8.53	259.07	-1422.32	-17.85	-1.30	11.55	-.17	-8.07		.97	.97	.263
		12.2	-8.44	82.13	479.42	-8.27	-.86	11.55	-.17	-2.72		.47	.47	.094
		24.4	-8.35	-17.03	1044.42	.41	-.51	11.55	-.17	-5.85		.07	.07	.193
		36.6	-8.30	-69.15	598.43	8.24	-.20	11.55	-.17	-2.26		.47	.47	.079
		48.8	-8.26	-90.23	-1347.59	15.46	.03	11.55	-.16	-7.55		.84	.84	.247
703- 803 JL7- 1		0.0	827.96	2051.06	-1920.29	20.77	3.22	95.78	11.71	3.57		.66	.66	.521
		5.5	826.58	2080.24	-3087.13	8.94	-2.39	95.78	11.69	4.73		.32	.32	.557
		15.2	825.20	1687.36	-3303.02	-1.80	-7.47	95.78	11.67	4.78		.28	.28	.558
		19.8	823.84	909.40	-2826.71	-11.63	-12.14	95.78	11.65	3.78		.54	.54	.525
		26.4	822.49	-222.10	-1544.94	-20.66	-16.42	95.78	11.64	1.98		.81	.81	.466
704- 705 127- 1		0.0	-15.71	5.20	155.51	4.51	-.67	1.67	-1.40	-5.20		.79	.79	.222
		4.7	-15.71	-22.99	-35.42	2.26	-.34	1.67	-1.40	-1.41		.41	.41	.102
		9.4	-15.71	-32.79	-99.46	.01	-.01	1.67	-1.40	-3.50		.03	.03	.168
		14.1	-15.71	-25.94	-36.80	-2.24	.32	1.67	-1.40	-1.47		.41	.41	.104
		18.8	-15.71	5.50	152.56	-4.49	.65	1.67	-1.40	-5.10		.79	.79	.219

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
704- 706	157- 1	0.0	26.09	-81.77	11.17	1.88	.28	-4.59	1.79	1.88		.31	.31	.122
		4.7	25.09	-53.25	-55.10	.59	.38	-4.59	1.79	1.96		.15	.15	.124
		9.4	25.09	-58.67	-54.98	-.69	.49	-4.59	1.79	1.53		.17	.17	.111
		14.1	25.08	-8.02	19.54	-1.96	.60	-4.59	1.79	.48		.33	.33	.078
		18.8	25.07	28.70	104.55	-3.20	.71	-4.59	1.79	3.82		.50	.50	.183
705- 706	157- 1	0.0	42.57	-85.69	-43.85	-2.27	.24	-1.30	2.92	2.20		.33	.33	.171
		4.7	42.58	-59.37	47.46	-.98	.34	-1.30	2.92	1.92		.16	.16	.162
		9.4	42.58	-46.47	66.41	.50	.45	-1.30	2.92	1.86		.09	.09	.160
		14.1	42.57	-18.52	13.85	1.56	.56	-1.30	2.92	.53		.24	.24	.116
		18.8	42.56	10.01	-109.30	2.81	.67	-1.30	2.92	2.52		.41	.41	.181
706- 803	260- 1	0.0	-450.32	-926.85	1045.74	10.57	7.66	.41	-12.10	-7.81		.69	.69	.842
		12.2	-450.19	-59.07	-135.58	5.57	4.43	.41	-12.10	-.79		.38	.38	.576
		24.4	-450.08	390.54	-601.93	.85	1.42	.41	-12.09	-4.02		.09	.09	.699
		36.6	-449.99	385.74	-405.78	-3.50	-1.45	.41	-12.09	-3.12		.20	.20	.696
		48.8	-449.89	-25.94	405.49	-7.46	-4.19	.41	-12.09	-2.26		.45	.45	.635
709- 810	JL7- 1	0.0	-1339.84	-2183.66	1724.48	5.42	-13.25	291.31	-18.95	-3.54		.59	.59	.790
		9.8	-1341.19	-2624.00	1299.88	5.42	-5.14	291.31	-18.97	-3.95		.36	.36	.802
		15.2	-1342.54	-2711.31	871.28	5.42	5.82	291.31	-18.99	-3.62		.41	.41	.793
		19.8	-1343.90	-1927.85	442.67	5.42	13.84	291.31	-19.01	-2.51		.61	.61	.763
		29.4	-1345.24	-544.31	14.07	5.42	21.02	291.31	-19.03	-.69		.80	.80	.714
710- 810	P2- 1	0.0	-1355.67	1820.34	1001.25	9.73	4.56	-879.36	-5.39	-.79		.27	.27	.220
		9.8	-1360.50	1998.31	251.80	9.73	5.18	-879.36	-5.41	-.84		.27	.27	.222
		15.2	-1365.32	2439.89	-557.85	9.73	5.99	-879.36	-5.43	-1.04		.27	.27	.228
		19.8	-1370.15	2945.09	-1307.10	9.73	6.79	-879.36	-5.45	-1.34		.28	.28	.237
		29.4	-1374.98	3515.94	-2076.55	9.73	7.60	-879.36	-5.47	-1.70		.28	.28	.248
711- 811	P2- 1	0.0	-1372.78	4193.91	-1710.40	-10.94	-.02	331.99	-5.46	-1.89		.16	.16	.252
		9.8	-1377.61	4225.21	-845.16	-10.94	.79	331.99	-5.48	-1.80		.16	.16	.251
		15.2	-1382.44	4320.15	20.08	-10.94	1.59	331.99	-5.50	-1.80		.16	.16	.251
		19.8	-1387.27	4477.74	885.32	-10.94	2.40	331.99	-5.52	-1.90		.16	.16	.255
		29.4	-1392.10	4696.95	1750.56	-10.94	3.20	331.99	-5.54	-2.09		.16	.16	.261
712- 812	P2- 1	0.0	2248.75	-5186.47	-255.34	-.52	-10.02	490.84	8.95	2.16		.18	.18	.380
		5.0	2243.72	-5446.99	-211.90	-.52	-9.22	490.84	8.93	2.48		.18	.18	.389
		15.2	2233.69	-6043.90	-170.46	-.52	-8.41	490.84	8.91	2.77		.17	.17	.398
		19.8	2234.20	-7277.22	-129.02	-.52	-7.61	490.84	8.89	3.03		.16	.16	.405
		29.4	2229.43	-7846.94	-87.58	-.52	-6.80	490.84	8.87	3.27		.16	.16	.412
801- 802	103- 1	0.0	-54.12	86.63	16.86	3.10	-.67	27.30	-3.71	-2.06		.75	.75	.280
		5.6	-54.12	43.74	-123.89	1.07	-.66	27.30	-3.71	-3.00		.48	.48	.299
		11.3	-54.12	-.01	-127.42	-.95	-.64	27.30	-3.71	-2.92		.47	.47	.295
		16.9	-54.12	-42.62	5.05	-2.98	-.62	27.30	-3.71	-.98		.73	.73	.245
		22.5	-54.12	-84.09	274.73	-5.01	-.61	27.30	-3.71	-6.56		1.00	1.00	.400

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 9

DATE 08/27/76

U.S. NAVY - ACAR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECT'N	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
M01= 004 100= 1		0.0	54.67	188.23	-108.14	.73	-1.11	2.22	3.75	4.95		.21	.21	.287
		5.6	54.66	114.19	-122.59	-.30	-1.08	2.22	3.75	3.82		.18	.18	.252
		11.3	54.65	42.24	-87.25	-1.34	-1.05	2.22	3.75	1.81		.26	.26	.188
		16.9	54.64	-26.50	57.46	-2.37	-.99	2.22	3.75	1.45		.38	.36	.176
		22.5	54.63	-91.57	252.74	-3.40	-.93	2.22	3.75	6.13		.51	.51	.325
M01= 901 JL0= 1		0.0	572.75	251.09	1349.83	-8.67	8.55	261.80	8.10	1.80		.50	.50	.334
		5.4	571.56	762.98	1727.68	.29	4.45	261.80	8.08	2.40		.29	.29	.357
		13.7	569.95	970.08	1370.29	6.51	.63	261.80	8.06	2.13		.40	.40	.304
		20.5	568.54	873.42	576.91	15.00	-2.95	261.80	8.04	1.21		.62	.62	.318
		27.4	567.15	484.95	-1212.40	22.63	-6.37	261.80	8.02	1.86		.84	.84	.332
M01= 905 200= 1		0.0	4.58	98.82	1227.19	13.95	-.62	30.88	.26	6.89		.84	.84	.227
		14.0	7.95	21.80	-469.92	6.40	-.31	30.88	.26	2.63		.44	.44	.092
		20.0	10.07	-10.74	-958.41	-.55	-.08	30.88	.26	5.34		.13	.13	.178
		41.9	10.14	-8.21	-510.30	-7.06	.10	30.88	.27	1.74		.47	.47	.064
		55.9	10.23	19.95	1391.40	-13.15	.22	30.88	.27	7.79		.79	.79	.256
M02= 003 150= 1		0.0	-54.35	-79.45	269.21	4.98	.50	-35.18	-3.73	-6.41		1.09	1.09	.396
		5.6	-54.35	-41.09	1.05	2.96	.58	-35.18	-3.73	-.94		.81	.81	.244
		11.3	-54.35	-1.59	-150.55	.95	.59	-35.18	-3.73	-2.97		.55	.55	.297
		16.9	-54.35	39.08	-124.88	-1.09	.61	-35.18	-3.73	-2.99		.57	.57	.299
		22.5	-54.35	80.64	17.37	-5.12	.63	-35.18	-3.73	-1.89		.84	.84	.275
M02= 804 140= 1		0.0	6.69	55.15	-69.07	-1.94	-.58	-8.85	.56	3.18		.49	.49	.120
		5.6	6.69	1.45	11.13	-1.03	-.35	-8.85	.56	.38		.33	.33	.031
		11.3	6.68	-14.07	50.01	-.12	-.11	-8.85	.56	1.74		.18	.18	.075
		16.9	6.68	-12.47	27.58	.79	.15	-8.85	.56	1.01		.28	.28	.052
		22.5	6.68	7.19	-56.18	1.69	.43	-8.85	.56	1.89		.44	.44	.079
M02= 805 140= 1		0.0	7.09	27.56	94.59	1.94	-.56	10.99	.60	3.29		.52	.52	.125
		5.6	7.08	-5.45	-6.07	1.04	-.35	10.99	.59	.24		.37	.37	.028
		11.3	7.08	-19.30	-45.41	.13	-.10	10.99	.59	1.65		.21	.21	.073
		16.9	7.07	-17.54	-23.43	-.78	.16	10.99	.59	.96		.32	.32	.052
		22.5	7.07	2.29	59.86	-1.69	.43	10.99	.59	2.00		.48	.48	.084
M03= 805 100= 1		0.0	-14.72	190.95	109.96	-.79	-1.07	.90	-1.28	-5.03		.19	.19	.235
		5.6	-14.73	119.15	128.75	.24	-1.05	.90	-1.28	-4.00		.16	.16	.200
		11.3	-14.74	49.46	77.76	1.27	-1.01	.90	-1.29	-2.10		.23	.23	.140
		16.9	-14.75	-17.19	-43.01	2.30	-.96	.90	-1.29	-1.06		.35	.35	.107
		22.5	-14.76	-79.65	-253.55	3.34	-.89	.90	-1.29	-5.63		.48	.48	.252
M03= 905 JL0= 1		0.0	358.27	997.45	-2062.31	1.28	2.29	-8.14	5.07	2.94		.08	.08	.269
		6.8	356.87	1015.08	-1827.80	-7.58	-1.80	-8.14	5.05	2.66		.22	.22	.260
		13.7	355.47	709.12	-965.86	-15.40	-5.62	-8.14	5.03	1.45		.47	.47	.221
		20.5	354.06	98.80	884.48	-22.89	-9.20	-8.14	5.01	.88		.70	.70	.202
		27.4	352.66	-796.35	2857.74	-29.92	-12.62	-8.14	4.99	3.77		.92	.92	.293

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
403	406 200	1 0.0	420.80	1155.25	-227.81	-5.50	-8.37	-20.18	11.06	6.58		.61	.61	.593
		14.0	420.84	65.06	396.38	-1.99	-4.64	-20.18	11.06	2.25		.34	.34	.456
		28.0	420.90	-416.55	455.57	1.23	-1.16	-28.18	11.06	3.45		.17	.17	.494
		41.9	420.96	-344.05	2.20	4.12	1.96	-28.18	11.07	1.93		.32	.32	.446
		55.9	421.04	215.81	-908.27	6.68	4.64	-28.18	11.07	5.22		.51	.51	.551
404	405 140	1 0.0	-13.89	-2.64	147.15	3.67	-.55	-2.56	-1.17	-4.92		.67	.67	.206
		5.6	-13.89	-30.54	-37.46	1.01	-.27	-2.56	-1.17	-1.63		.35	.35	.101
		11.3	-13.89	-39.43	-97.55	-.05	.01	-2.56	-1.17	-3.51		.05	.05	.161
		16.9	-13.89	-29.30	-31.31	-1.91	.29	-2.56	-1.17	-1.43		.37	.37	.095
		22.5	-13.89	-.15	160.24	-3.76	.57	-2.56	-1.17	-5.36		.68	.68	.220
404	406 160	1 0.0	69.56	-76.78	49.41	1.62	.06	2.96	4.77	2.08		.28	.28	.232
		5.6	69.55	-70.51	-39.01	.89	.13	2.96	4.77	1.84		.14	.14	.224
		11.3	69.55	-59.31	-58.50	-.22	.20	2.96	4.77	1.90		.07	.07	.226
		16.9	69.55	-43.16	-9.86	-1.22	.28	2.96	4.77	1.01		.21	.21	.196
		22.5	69.56	-22.07	106.06	-2.21	.35	2.96	4.77	2.47		.34	.34	.244
405	406 160	1 0.0	-3.56	-71.55	-13.45	-1.54	.11	5.86	-.24	-1.66		.28	.28	.066
		5.6	-3.57	-81.39	55.77	-.31	.18	5.86	-.25	-1.89		.14	.14	.074
		11.3	-3.57	-46.52	56.07	.50	.26	5.86	-.25	-1.66		.14	.14	.067
		16.9	-3.57	-26.70	-11.74	1.50	.33	5.86	-.24	-.67		.28	.28	.035
		22.5	-3.55	-1.95	-146.83	2.49	.40	5.86	-.24	-3.35		.41	.41	.120
406	901 200	1 0.0	-429.01	-472.51	-869.67	-7.80	6.02	-1.82	-11.28	-7.30		.52	.52	.847
		14.0	-428.97	-152.30	121.32	-4.93	3.74	-1.82	-11.28	-1.09		.29	.29	.591
		28.0	-428.93	278.38	467.17	-.36	1.41	-1.82	-11.27	-3.14		.08	.08	.675
		41.9	-428.83	327.49	254.54	3.10	-.80	-1.82	-11.27	-2.32		.17	.17	.641
		55.9	-428.74	9.08	-540.87	6.54	-2.99	-1.82	-11.27	-3.03		.37	.37	.670
406	906 160	1 0.1	-868.36	-1047.96	627.32	7.55	-9.70	-226.32	-12.50	-1.55		.49	.49	.500
		5.4	-868.76	-1569.96	25.25	7.53	-3.07	-226.32	-12.52	-2.00		.37	.37	.512
		13.7	-868.16	-1571.46	-576.42	7.55	2.92	-226.32	-12.54	-2.13		.37	.37	.517
		20.5	-867.56	-1196.89	-1178.89	7.53	8.51	-226.32	-12.56	-2.06		.46	.46	.516
		27.4	-868.02	-221.11	-1780.95	7.55	13.18	-226.32	-12.58	-2.28		.57	.57	.523
410	910 P2	1 0.0	-1375.11	3517.46	-2077.95	9.93	-23.51	531.13	-5.47	-1.70		.31	.31	.248
		5.8	-1369.13	1021.57	-2693.18	9.93	-22.67	531.13	-5.49	-1.38		.31	.31	.240
		13.7	-1365.15	-295.64	-3708.41	9.93	-21.83	531.13	-5.51	-1.55		.30	.30	.245
		20.5	-1360.16	-1964.17	-4523.64	9.93	-21.00	531.13	-5.53	-2.06		.30	.30	.260
		27.4	-1345.17	-3654.02	-5338.87	9.93	-20.16	531.13	-5.55	-2.70		.29	.29	.279
411	911 P2	1 0.0	-1392.26	4701.47	1746.26	-11.12	-39.32	-94.96	-5.54	-2.09		.34	.34	.261
		5.8	-1397.29	1507.11	2659.10	-11.12	-38.48	-94.96	-5.56	-1.27		.34	.34	.240
		13.7	-1402.31	-1618.56	3571.91	-11.12	-37.64	-94.96	-5.58	-1.63		.33	.33	.250
		20.5	-1407.32	-4675.59	4484.72	-11.12	-36.81	-94.96	-5.60	-2.70		.33	.33	.280
		27.4	-1412.34	-7663.92	5397.54	-11.12	-35.97	-94.96	-5.62	-3.91		.32	.32	.319

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
812- 912	M2- 1	0.0	2229.73	-7046.94	-83.53	-.52	55.53	-345.56	8.87	3.27		.50	.50	.412
		6.8	2224.72	-3416.81	-40.50	-.52	54.37	-345.56	8.85	1.42		.50	.50	.353
		13.7	2219.70	1081.95	2.54	-.52	55.20	-345.56	8.83	.45		.51	.51	.322
		20.5	2214.69	5049.36	45.57	-.52	56.04	-345.56	8.81	2.35		.52	.52	.381
		27.4	2209.67	10285.40	88.61	-.52	56.87	-345.56	8.79	4.29		.52	.52	.442
901- 902	169- 1	0.0	23.45	99.43	-5.30	2.86	-.73	33.62	1.11	1.44		.52	.52	.084
		6.8	23.45	45.52	-159.22	.95	-.65	33.62	1.11	2.40		.35	.35	.114
		13.2	23.45	-1.07	-158.43	-.97	-.54	33.62	1.11	2.29		.35	.35	.111
		19.5	23.45	-40.33	-5.95	-2.88	-.45	33.62	1.11	.59		.52	.52	.057
		26.4	23.45	-72.27	298.24	-4.80	-.36	33.62	1.11	4.44		.70	.70	.179
901- 904	169- 1	0.0	136.36	229.10	-141.06	.56	-1.10	1.87	6.43	3.89		.13	.13	.347
		6.8	136.34	145.32	-148.90	-.42	-1.01	1.87	6.43	2.99		.12	.12	.316
		13.2	136.33	66.86	-74.86	-1.40	-.92	1.87	6.43	1.47		.17	.17	.270
		19.8	136.33	-.28	75.70	-2.40	-.83	1.87	6.43	1.10		.25	.25	.256
		26.4	136.36	-82.09	305.43	-3.40	-.73	1.87	6.43	4.51		.34	.34	.367
901-1001	JL4- 1	0.0	67.56	1227.08	-1035.90	-14.97	.67	365.18	.96	2.04		.66	.66	.098
		6.8	66.15	1145.73	-80.00	-8.51	-2.63	365.18	.94	1.46		.48	.48	.079
		13.7	64.74	799.01	339.72	-1.99	-5.79	365.18	.92	1.10		.41	.41	.067
		20.5	63.34	201.05	263.29	3.67	-8.69	365.18	.90	.42		.50	.50	.045
		27.4	61.94	-593.55	-198.84	7.14	-10.42	365.18	.88	.80		.59	.59	.056
901-1002	169- 1	0.0	-.06	-4.71	269.28	5.58	.10	18.68	-.00	-2.41		.44	.44	.076
		9.5	-.13	4.62	-166.24	2.32	.07	18.68	-.00	-1.49		.24	.24	.047
		18.9	-.20	10.76	-265.79	-.56	.04	18.68	-.01	-2.56		.12	.12	.075
		28.4	-.30	11.60	-50.79	-3.09	-.02	18.68	-.01	-.47		.29	.29	.015
		37.8	-.41	9.63	382.63	-4.28	-.00	18.68	-.01	-3.43		.37	.37	.109
901-1004	169- 1	0.0	425.45	306.48	71.03	2.36	-3.90	20.80	14.13	2.85		.39	.39	.581
		9.5	425.36	-8.82	-120.44	1.05	-1.71	20.80	14.12	1.08		.23	.23	.526
		18.9	425.23	-86.29	-165.17	-.22	.32	20.80	14.12	1.67		.12	.12	.544
		28.4	425.09	54.04	-77.15	-1.28	2.08	20.80	14.11	.84		.25	.25	.518
		37.8	424.97	346.86	99.65	-1.71	2.88	20.80	14.11	3.23		.31	.31	.593
902- 903	169- 1	0.0	22.78	-72.69	277.65	4.65	.38	-32.10	1.07	4.15		.67	.67	.169
		6.8	22.78	-39.18	-13.44	2.72	.47	-32.10	1.07	.60		.49	.49	.056
		13.2	22.78	1.86	-152.81	.80	.56	-32.10	1.07	2.21		.32	.32	.107
		19.8	22.78	50.21	-140.47	-1.11	.66	-32.10	1.07	2.16		.35	.35	.106
		26.4	22.78	105.69	23.58	-3.03	.75	-32.10	1.07	1.57		.53	.53	.087
902- 904	169- 1	0.0	5.80	31.85	-82.05	-1.67	-.37	-10.21	.49	2.94		.46	.46	.110
		6.8	5.78	7.94	18.02	-.65	-.24	-10.21	.49	.66		.32	.32	.038
		13.2	5.77	-5.51	55.72	-.05	-.10	-10.21	.48	1.81		.19	.19	.074
		19.8	5.77	-8.50	26.18	.74	.03	-10.21	.48	.92		.30	.30	.046
		26.4	5.78	-1.03	-63.48	1.52	.16	-10.21	.49	2.12		.43	.43	.084

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 9

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
902= 905	149= 1	0.0	7.05	52.46	102.67	1.72	-.37	9.85	.59	3.60		.46	.46	.135
		6.6	7.03	6.51	-1.50	.40	-.24	9.85	.59	.29		.32	.32	.030
		13.2	7.03	-4.98	-40.86	.10	-.10	9.85	.59	1.38		.19	.19	.064
		19.8	7.03	-8.02	-17.23	-.09	.03	9.85	.59	.64		.28	.28	.041
		26.4	7.04	-.59	64.54	-1.47	.18	9.85	.59	2.29		.41	.41	.093
903= 905	149= 1	0.0	-160.90	225.92	107.33	-.98	-1.11	-.72	-7.59	-3.66		.14	.14	.030
		6.6	-160.92	144.95	145.53	-.00	-1.01	-.72	-7.59	-2.98		.10	.10	.584
		13.2	-160.93	68.30	107.86	.98	-.92	-.72	-7.59	-1.45		.13	.13	.533
		19.8	-160.92	-1.03	-9.32	1.98	-.83	-.72	-7.59	-.14		.21	.21	.473
		26.4	-160.90	-63.05	-205.87	2.95	-.74	-.72	-7.59	-3.11		.29	.29	.567
903=1002	150= 1	0.0	1.50	5.54	-330.95	-5.72	.07	-29.34	.04	2.96		.51	.51	.095
		4.5	1.25	11.20	143.47	-2.06	.04	-29.34	.04	1.29		.31	.31	.042
		10.9	1.16	13.99	279.91	.22	.01	-29.34	.04	2.51		.15	.15	.051
		26.4	1.06	11.65	105.81	2.74	-.05	-29.34	.04	.95		.31	.31	.031
		37.8	.95	6.05	-284.71	3.94	-.03	-29.34	.03	2.54		.39	.39	.083
903=1003	JL9= 1	0.0	78.41	-506.03	3098.42	21.31	5.50	-398.59	1.00	3.96		.88	.88	.160
		5.5	69.01	8.01	1624.48	14.64	2.21	-398.59	.98	2.07		.67	.67	.099
		13.7	67.59	58.66	664.67	8.33	-.95	-398.59	.96	.87		.49	.49	.061
		20.5	66.20	-141.69	241.03	2.06	-3.85	-398.59	.94	.36		.39	.39	.044
		27.4	64.80	-559.11	183.10	-.01	-5.58	-398.59	.92	.72		.41	.41	.055
903=1005	150= 1	0.0	425.13	472.91	.15	-2.02	-4.62	-57.83	14.12	4.23		.59	.59	.625
		4.5	425.03	74.30	153.76	-.69	-2.45	-57.83	14.11	1.53		.43	.43	.540
		10.9	425.90	-84.48	160.63	.55	-.40	-57.83	14.11	1.62		.30	.30	.543
		26.4	425.76	-25.45	34.75	1.01	1.36	-57.83	14.10	.39		.40	.40	.503
		37.8	425.65	185.87	-179.92	2.04	2.16	-57.83	14.10	2.32		.46	.46	.564
904= 905	149= 1	0.0	-12.89	-6.54	141.54	3.07	-.26	.19	-1.08	-4.73		.52	.52	.199
		6.6	-12.89	-21.87	-39.02	1.49	-.13	.19	-1.08	-1.50		.25	.25	.097
		13.2	-12.89	-26.95	-93.92	-.10	.00	.19	-1.08	-3.27		.02	.02	.153
		19.8	-12.89	-21.59	-23.36	-1.08	.13	.19	-1.08	-1.06		.29	.29	.083
		26.4	-12.89	-5.75	172.64	-3.27	.27	.19	-1.08	-5.78		.55	.55	.232
904= 906	149= 1	0.0	149.57	-50.76	100.62	2.05	-.31	-9.69	7.06	1.63		.26	.26	.297
		6.6	149.64	-71.78	-21.48	1.06	-.22	-9.69	7.06	1.08		.17	.17	.280
		13.2	149.62	-85.47	-67.52	.11	-.15	-9.69	7.06	1.58		.09	.09	.295
		19.8	149.62	-91.84	-38.64	-.83	-.03	-9.69	7.06	1.44		.15	.15	.291
		26.4	149.62	-90.84	64.01	-1.76	.06	-9.69	7.06	1.61		.24	.24	.296
905= 906	149= 1	0.0	-146.83	-51.76	35.51	-1.14	-.31	9.59	-6.93	-.91		.18	.18	.463
		6.6	-146.86	-72.71	87.43	-.17	-.22	9.59	-6.93	-1.65		.10	.10	.486
		13.2	-146.87	-86.34	63.31	.78	-.15	9.59	-6.93	-1.55		.14	.14	.488
		19.8	-146.88	-92.66	-35.74	1.72	-.03	9.59	-6.93	-1.44		.23	.23	.489
		26.4	-146.88	-91.65	-208.56	2.64	.06	9.59	-6.93	-3.30		.32	.32	.534

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
909-1009	100= 1	0.0	-425.99	-411.29	-209.63	-3.01	5.45	21.03	-14.08	-4.13		.40	.40	.794
		9.5	-425.04	-104.65	37.81	-1.56	1.95	21.03	-14.08	-1.00		.25	.25	.671
		18.9	-425.10	52.70	105.50	.18	.49	21.03	-14.08	-.97		.13	.13	.670
		28.4	-425.20	13.32	2.11	1.54	-.78	21.03	-14.08	-.12		.21	.21	.637
		37.8	-425.26	-112.16	-213.87	2.10	-1.26	21.03	-14.09	-2.16		.26	.26	.717
909-1005	100= 1	0.0	-425.25	-247.73	274.91	5.25	2.74	4.03	-14.19	-3.34		.30	.30	.768
		9.5	-425.34	-21.80	7.59	1.57	1.24	4.03	-14.19	-.21		.15	.15	.645
		18.9	-425.34	53.25	-81.97	.03	-.22	4.03	-14.19	-.80		.03	.03	.648
		28.4	-425.44	-64.65	-4.46	-1.33	-1.48	4.03	-14.19	-.58		.15	.15	.660
		37.8	-425.55	-270.65	187.64	-1.69	-1.99	4.03	-14.20	-2.95		.20	.20	.753
905-1005	JL4= 1	0.0	-107.20	-694.67	-2088.81	-6.49	-2.13	102.98	-1.52	-2.80		.26	.26	.144
		6.4	-109.65	-848.37	-1555.92	-6.49	-2.27	102.98	-1.54	-2.16		.26	.26	.125
		13.7	-110.04	-535.09	-1023.04	-6.49	-6.16	102.98	-1.56	-1.37		.32	.32	.100
		20.5	-111.45	307.34	-440.15	-6.49	9.23	102.98	-1.58	-.74		.38	.38	.081
		27.4	-112.86	1102.17	42.74	-6.49	9.56	102.98	-1.60	-1.40		.39	.39	.103
910-1010	P3= 1	0.0	-1394.65	-3655.81	-5540.56	10.28	105.27	997.19	-4.72	-2.33		.88	.88	.236
		6.4	-1400.54	4866.59	-6184.44	10.28	104.25	997.19	-4.74	-2.84		.89	.89	.255
		13.7	-1406.44	13467.78	-7028.82	10.28	105.23	997.19	-4.76	-5.48		.90	.90	.339
		20.5	-1412.34	22149.75	-7872.79	10.28	106.22	997.19	-4.78	-8.48		.90	.90	.435
		27.4	-1418.24	30912.51	-8716.77	10.28	107.20	997.19	-4.80	-11.58		.91	.91	.533
911-1011	P3= 1	0.0	-1411.88	-7655.52	5401.28	-11.55	116.81	-967.97	-4.77	-3.38		.97	.97	.273
		6.4	-1417.58	1454.06	6349.68	-11.55	117.79	-967.97	-4.79	-2.40		.98	.98	.243
		13.7	-1423.48	11082.44	7298.08	-11.55	118.78	-967.97	-4.81	-4.97		.98	.98	.325
		20.5	-1429.38	21476.80	8246.48	-11.55	119.76	-967.97	-4.83	-8.30		.99	.99	.431
		27.4	-1435.28	31351.55	9194.88	-11.55	120.74	-967.97	-4.85	-11.78		1.00	1.00	.542
912-1012	P3= 1	0.0	2204.59	10285.40	77.20	-.52	-205.35	242.10	7.46	3.71		1.43	1.43	.377
		6.4	2199.69	-6537.36	120.24	-.52	-204.37	242.10	7.44	2.36		1.43	1.43	.333
		13.7	2192.79	-23279.38	163.27	-.52	-203.39	242.10	7.42	8.39		1.42	1.42	.524
		20.5	2185.89	-39940.65	206.30	-.52	-202.40	242.10	7.40	14.40		1.41	1.41	.713
		27.4	2180.99	-56521.19	249.34	-.52	-201.42	242.10	7.38	20.38		1.41	1.41	.902
1001-1002	200= 1	0.0	-219.78	119.26	-259.65	-.32	-.23	-27.78	-5.78	-1.60		.10	.10	.341
		7.6	-219.78	94.74	-212.99	-.70	-.51	-27.78	-5.78	-1.30		.12	.12	.332
		15.2	-219.78	63.32	-151.87	-1.08	-.36	-27.78	-5.78	-.82		.14	.14	.318
		22.7	-219.78	25.01	-16.30	-1.46	-.46	-27.78	-5.78	-.17		.16	.16	.299
		30.3	-219.78	-20.19	133.72	-1.84	-.53	-27.78	-5.78	-.76		.18	.18	.315
1001-1004	200= 1	0.0	-207.87	490.35	-421.81	-1.30	-1.50	-83.80	-5.46	-3.62		.34	.34	.391
		7.6	-207.88	350.62	-295.65	-1.47	-1.57	-83.80	-5.46	-2.57		.35	.35	.358
		15.2	-207.89	204.41	-154.10	-1.64	-1.65	-83.80	-5.46	-1.43		.36	.36	.323
		22.7	-207.90	51.10	2.80	-1.81	-1.72	-83.80	-5.46	-.29		.37	.37	.287
		30.3	-207.89	-104.10	173.55	-1.98	-1.80	-83.80	-5.46	-1.15		.37	.37	.312

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
1002-1003	200- 1	0.0	-220.59	-41.26	211.43	2.45	.62	122.08	-5.80	-1.21		.47	.47	.329
		7.6	-220.59	11.97	8.60	2.07	.55	122.08	-5.80	-.07		.45	.45	.297
		15.2	-220.59	58.51	-164.99	1.69	.47	122.08	-5.80	.98		.43	.43	.323
		22.7	-220.59	97.76	-301.53	1.51	.40	122.08	-5.80	-1.77		.41	.41	.346
		30.3	-220.59	130.32	-403.61	.93	.32	122.08	-5.80	-2.37		.39	.39	.363
1002-1004	140- 1	0.0	7.24	159.22	9.46	-.05	-.71	-32.03	.45	3.18		.39	.39	.116
		7.6	7.26	99.61	8.67	.06	-.82	-32.03	.45	1.88		.40	.40	.075
		15.2	7.29	20.75	-1.14	.16	-.92	-32.03	.45	.39		.42	.42	.028
		22.7	7.32	-67.96	-20.53	.26	-1.03	-32.03	.46	1.33		.43	.43	.058
		30.3	7.30	-166.51	-48.34	.54	-1.13	-32.03	.46	3.25		.45	.45	.119
1002-1005	140- 1	0.0	7.15	213.96	-13.78	-.00	-.86	23.57	.45	4.03		.33	.33	.143
		7.6	7.16	151.01	-8.67	-.11	-.97	23.57	.45	2.47		.34	.34	.094
		15.2	7.21	56.42	5.85	-.21	-1.07	23.57	.45	.73		.36	.36	.039
		22.7	7.25	-63.82	29.76	-.51	-1.16	23.57	.45	1.32		.37	.37	.058
		30.3	7.22	-175.70	62.09	-.39	-1.28	23.57	.45	3.50		.39	.39	.126
1003-1005	200- 1	0.0	-222.87	490.07	527.47	1.58	-2.08	48.52	-5.86	-4.03		.27	.27	.423
		7.6	-222.88	397.82	376.55	1.75	-2.15	48.52	-5.86	-2.68		.28	.28	.380
		15.2	-222.89	98.23	209.80	1.92	-2.23	48.52	-5.86	-1.30		.29	.29	.336
		22.7	-222.90	-107.96	27.93	2.08	-2.31	48.52	-5.86	-.62		.30	.30	.319
		30.3	-222.89	-321.09	-167.80	2.21	-2.38	48.52	-5.86	-2.03		.31	.31	.365
1004-1005	140- 1	0.0	-13.86	-23.78	24.16	.24	.07	8.02	-.86	-.66		.11	.11	.058
		7.6	-13.86	-22.39	11.29	.09	-.04	8.02	-.86	-.47		.09	.09	.052
		15.1	-13.86	-30.65	10.18	-.06	-.14	8.02	-.86	-.61		.09	.09	.057
		22.7	-13.86	-46.52	22.85	-.22	-.25	8.02	-.86	-1.01		.12	.12	.069
		30.3	-13.86	-76.04	49.29	-.37	-.36	8.02	-.86	-1.70		.14	.14	.091
1004-1006	200- 1	0.0	400.37	502.01	-10.99	-.12	-2.30	-25.77	10.52	1.69		.19	.19	.420
		7.6	400.37	89.12	4.54	-.21	-2.38	-25.77	10.52	.50		.20	.20	.382
		15.1	400.35	-130.65	26.80	-.27	-2.46	-25.77	10.52	.75		.20	.20	.390
		22.7	400.34	-357.31	52.06	-.28	-2.53	-25.77	10.52	2.02		.21	.21	.430
		30.3	400.34	-590.85	77.54	-.28	-2.61	-25.77	10.52	3.33		.21	.21	.472
1005-1006	200- 1	0.0	387.50	108.54	-12.45	.19	-1.74	-23.05	10.19	.61		.16	.16	.374
		7.6	387.51	-52.97	-35.80	.28	-1.81	-23.05	10.19	.35		.16	.16	.366
		15.1	387.46	-221.36	-61.89	.33	-1.89	-23.05	10.19	1.29		.17	.17	.395
		22.7	387.47	-390.65	-92.97	.34	-1.97	-23.05	10.19	2.28		.17	.17	.427
		30.3	387.47	-578.60	-124.27	.34	-2.04	-23.05	10.19	3.31		.17	.17	.459

STRAN GROUP SUMMARY REPORT

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MKL 93.0 FEET - 50 YR STORM

MEMBER GROUP I D	THREE MOST RESTRICTIVE MEMBERS / FIRST / MEMBER NO.	MAX. U. CK	LD. CN.	/ SECOND / MEMBER NO.	MAX. U. CK	LD. CN.	/ THIRD / MEMBER NO.	MAX. U. CK	LD. CN.	TOTAL	NUMBER OF MEMBERS IN GROUP WITH UNITY CK GT 1.33	WITH UNITY CK GT 1.00	WITH UNITY CK LT .50
A1A	201= 204	.70	7	201= 202	.59	7	204= 206	.52	8	10	0	0	6
[illegible]	306= 406	1.01	7	305= 405	.79	8	206= 306	.73	7	9	0	1	3
A08	202= 204	.07	7	102= 104	.07	7	204= 205	.06	8	6	0	0	6
120	206= 301	.64	8	201= 305	.63	7	203= 306	.49	9	3	0	0	1
A21	203= 205	.65	7	205= 206	.59	8				2	0	0	0
123	301= 306	.75	7	301= 303	.64	6	303= 306	.59	7	3	0	0	0
0L4	404= 506	.69	7	403= 503	.62	8	401= 501	.73	9	3	0	0	0
F1	405= 512	.69	7	512= 712	.58	7	511= 711	.47	8	6	0	0	4
105	504= 506	.75	7	501= 504	.73	9	503= 505	.57	8	6	0	0	2
0L5	506= 606	.70	7	505= 605	.67	8	501= 601	.67	7	3	0	0	0
206	406= 406	.68	6	505= 645	.66	8	506= 644	.65	7	12	0	0	1
125	502= 505	.21	6	504= 505	.20	9	502= 504	.12	8	3	0	0	3
0L6	606= 656	.61	7	656= 706	.54	7	646= 656	.54	7	9	0	0	4
137	701= 702	.44	8	702= 703	.40	8	701= 704	.36	6	6	0	0	6
0L7	706= 806	.62	7	705= 805	.75	8	701= 801	.41	9	3	0	0	1
127	704= 705	.22	9	702= 705	.21	6	702= 704	.14	7	3	0	0	3
F2	812= 912	.51	7	712= 812	.48	7	811= 911	.45	8	6	0	0	5
108	801= 804	.47	6	804= 806	.44	7	801= 802	.40	9	6	0	0	6
0L8	806= 906	.53	7	805= 905	.44	6	801= 901	.36	9	3	0	0	2
148	804= 805	.22	9	802= 805	.22	6	802= 804	.12	9	3	0	0	3
109	903= 905	.66	6	904= 906	.58	7	905= 906	.53	9	6	0	0	2
0L9	903=1003	.17	8	906=1006	.14	9	901=1001	.10	6	3	0	0	3
109	905=1005	.91	6	906=1005	.83	8	906=1004	.79	9	6	0	0	1
149	902= 905	.24	6	904= 905	.23	9	902= 904	.11	9	3	0	0	3
F3	912=1012	.99	7	911=1011	.85	8	910=1010	.53	9	3	0	0	0
200	1004=1006	.67	7	1005=1006	.65	7	1005=1005	.60	8	6	0	0	2
140	1002=1005	.16	7	1002=1004	.15	6	1004=1005	.11	8	3	0	0	3

TOTAL MEMBERS	135	0	1	70

STRAN UNITY CHECK SUMMARY REPORT

DATE 08/27/76

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

THREE HIGHEST UNITY CHECKS G.I. 1.00

MEMBER NUMBER	MEMBER GROUP ID	/---FIRST HIGHEST--- UNITY CHECK	LD. CN.	/---SECOND HIGHEST--- UNITY CHECK	LD. CN.	/---THIRD HIGHEST--- UNITY CHECK	LD. CN.
506- 406	UNL	1.01	7	.86	4	.81	6

STRAN MEMBER STRESS REPORT NO. 1

DATE 08/27/76

U.S. NAVY - ACHK PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
101- 102	A10-V1	.440	.010	.127	.304	7	0.0	-5.72	.01	357.07	93.47	.428	8	.428	6
101- 104	A10-V1	.435	.018	.153	.267	8	0.0	-6.75	-.01	431.92	-82.17	.416	6	.408	7
101- 201	DAL-V1	.074	.010	.018	.046	9	15.0	-24.22	-120.68	694.11	-1090.07	.069	8	.039	6
102- 103	A10-V1	.365	.009	.149	.205	7	14.5	-3.57	-.02	419.90	63.14	.323	9	.276	8
102- 104	A10-V1	.070	.006	.004	.061	7	14.5	-.06	-.00	-2.57	9.75	.055	6	.049	9
102- 105	A10-V1	.041	.006	.015	.020	8	10.9	1.19	-.00	-9.57	3.25	.040	7	.034	6
103- 103	A10-V1	.502	.008	.176	.176	7	0.0	-2.96	-.01	495.18	-54.96	.294	9	.266	6
103- 203	DAL-V1	.069	.009	.051	.049	9	15.0	-23.22	97.63	1004.15	1264.26	.088	8	.047	7
104- 105	A10-V1	.049	.007	.004	.037	7	0.0	1.48	.01	2.49	-5.96	.044	8	.043	9
104- 106	A10-V1	.279	.018	.120	.142	8	14.5	-6.20	.04	337.98	-43.88	.269	6	.190	7
105- 106	A10-V1	.300	.018	.176	.106	8	14.5	-6.90	.02	495.20	-32.68	.262	9	.181	6
106- 206	DAL-V1	.132	.007	.109	.017	7	15.0	-16.97	14.01	-2354.58	921.90	.111	6	.079	9
201- 202	A10-V1	.586	.003	.199	.324	7	0.0	29.50	.05	559.44	99.87	.562	6	.551	8
201- 204	A10-V1	.702	.103	.236	.502	7	0.0	-75.02	-.01	665.05	93.06	.664	6	.585	8
201- 301	DAL-V1	.626	.027	.591	.008	7	15.0	-66.45	-110.76	12024.31	-1357.06	.562	9	.470	6
201- 303	120-V1	.633	.006	.121	.507	7	32.6	4.80	5.58	697.16	-1428.37	.549	6	.261	8
202- 203	A10-V1	.512	.003	.219	.229	7	14.5	29.51	-.05	616.55	70.68	.445	9	.409	6
202- 204	A10-V1	.074	.006	.004	.063	7	14.5	-.06	-.00	-2.59	10.08	.058	6	.051	9
202- 205	A10-V1	.055	.007	.007	.041	7	14.5	-.78	-.00	4.46	-6.57	.052	8	.047	5
203- 205	A21-V1	.649	.004	.568	.217	7	0.0	39.60	-.03	1750.43	-106.25	.524	6	.470	9
203- 303	DAL-V1	.514	.055	.560	.001	8	15.0	-135.66	389.45	-11314.11	-359.93	.609	7	.581	9
203- 306	120-V1	.492	.154	.186	.152	9	32.6	125.24	20.90	635.64	-574.18	.460	7	.412	8
204- 205	A10-V1	.063	.010	.005	.048	8	14.5	-1.13	-.00	3.54	7.65	.048	7	.044	6
204- 206	A10-V1	.518	.116	.225	.178	8	14.5	54.06	.05	628.91	-54.92	.449	6	.401	7
205- 210	A21-V1	.595	.004	.558	.155	8	14.5	-44.32	.01	1706.56	-74.65	.449	9	.375	6
206- 301	120-V1	.636	.217	.121	.298	8	32.6	-113.99	-25.56	582.73	-879.65	.508	9	.446	7
206- 306	DAL-V1	.728	.056	.665	.009	7	15.0	-141.17	334.07	13490.79	-1551.35	.682	9	.610	8
301- 303	120-V1	.657	.113	.013	.511	6	29.0	-44.55	10.70	145.42	-927.06	.616	8	.595	7
301- 306	120-V1	.755	.251	.269	.234	7	29.0	-109.56	-9.93	684.62	-636.53	.750	6	.665	8
301- 401	DAL-V1	.697	.015	.667	.015	7	20.5	-35.40	-1099.83	-13628.64	2051.99	.695	9	.587	6
303- 306	120-V1	.590	.115	.235	.241	7	29.0	65.46	-20.29	598.72	606.08	.570	8	.531	9
303- 403	DAL-V1	.790	.056	.768	.003	8	20.5	-130.76	-835.18	14747.78	1011.46	.702	6	.694	9
306- 406	DAL-V1	1.008	.041	.904	.014	7	20.5	-210.66	501.75	-18394.89	2281.16	.856	9	.811	6
401- 501	JL3-V1	.730	.295	.034	.402	9	4.6	1211.08	-520.58	-6099.77	-21037.42	.724	7	.551	8
401- 510	M1-V1	.523	.210	.075	.041	9	0.0	-1550.40	-701.26	-6124.50	4583.40	.265	7	.262	6
403- 503	JL4-V1	.816	.459	.111	.246	8	4.6	1665.77	710.69	-10013.77	14905.93	.767	6	.765	9
403- 511	M1-V1	.472	.340	.130	.002	8	4.6	-2164.55	694.85	-8626.20	970.15	.429	9	.340	9
406- 506	JL4-V1	.859	.570	.277	.012	7	4.6	2341.46	298.93	-14251.65	2975.04	.819	9	.725	6
406- 512	M1-V1	.604	.406	.198	.000	7	0.0	-2578.17	373.66	-13406.01	-196.24	.545	9	.508	6
501- 502	120-V1	.375	.208	.019	.151	9	15.1	-177.17	228.27	-202.57	565.75	.347	6	.325	7
501- 504	120-V1	.732	.335	.525	.072	9	0.0	290.41	103.33	1266.78	-597.17	.720	7	.647	8
501- 601	JL3-V1	.674	.253	.058	.363	7	0.0	-1054.72	209.83	6525.32	20185.75	.672	9	.519	8
502- 602	M10-V1	.497	.242	.105	.140	6	0.0	204.06	-205.95	905.90	-1046.46	.447	8	.312	9
502- 503	120-V1	.361	.230	.021	.110	9	0.0	-181.04	-176.11	-211.03	481.45	.300	7	.193	8
502- 504	120-V1	.120	.014	.053	.054	8	0.0	-6.41	-100.75	154.24	135.82	.114	6	.113	9
502- 505	120-V1	.215	.054	.064	.097	6	0.0	-26.95	-55.39	-182.59	-223.55	.210	8	.148	7
503- 505	120-V1	.573	.233	.333	.007	8	0.0	-201.90	-27.40	1189.06	-172.06	.508	9	.472	6
503- 603	JL3-V1	.674	.359	.088	.227	8	0.0	1475.24	391.07	-8356.87	15430.28	.644	6	.622	7

STRAN MEMBER STRESS REPORT NO. 1

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
503- 645	200-01	.656	.533	.322	.001	8	0.0	502.04	11.11	1822.50	117.91	.810	9	.795	7
504- 505	105-01	.196	.052	.042	.102	9	15.1	-26.00	-1.05	-139.35	217.53	.193	7	.136	6
504- 506	105-01	.752	.389	.355	.007	7	15.1	-537.34	74.21	1267.36	180.76	.653	9	.614	6
505- 506	105-01	.544	.176	.314	.054	6	15.1	152.77	-53.99	1199.55	495.22	.526	8	.490	7
506- 606	3L5-01	.701	.490	.195	.015	7	0.0	2011.58	426.60	-10275.58	2611.41	.680	9	.607	8
506- 644	200-01	.654	.515	.239	.100	7	0.0	562.51	90.50	1607.93	1036.73	.810	9	.648	6
510- 710	P1-01	.321	.211	.077	.033	9	0.0	-1359.21	-878.67	-6240.25	4075.52	.245	7	.195	6
511- 711	P1-01	.473	.358	.113	.002	8	0.0	-2164.07	599.53	-8819.22	1026.21	.429	6	.336	9
512- 712	P1-01	.503	.405	.177	.000	7	0.0	-2380.96	396.34	-11966.59	-184.77	.534	9	.490	6
601- 641	JL6-01	.505	.277	.024	.204	9	0.0	1136.98	-712.44	-3705.25	-10848.97	.500	7	.351	8
603- 643	JL6-01	.525	.355	.051	.119	8	0.0	1457.78	666.79	-4693.97	7155.57	.501	6	.452	9
604- 644	JL6-01	.508	.484	.113	.006	7	0.0	2009.20	451.17	-5856.65	1307.54	.549	9	.529	8
641- 651	JL6-01	.383	.276	.015	.089	9	0.0	1134.44	-712.44	-2197.22	-4905.49	.376	7	.197	8
642- 703	200-01	.511	.242	.021	.248	6	21.9	204.96	-208.03	419.14	-1457.45	.493	8	.256	7
643- 653	JL6-01	.409	.354	.017	.038	8	0.0	1455.23	666.79	-1514.65	2283.26	.392	6	.290	9
644- 704	200-01	.658	.548	.000	.109	9	21.9	-551.01	-65.70	-38.52	-875.86	.641	7	.548	8
645- 706	200-01	.603	.551	.002	.130	7	21.9	-554.15	116.03	-99.56	811.84	.654	9	.651	8
646- 656	JL6-01	.543	.489	.054	.000	7	0.0	2006.59	431.03	-2721.09	85.08	.522	9	.479	6
651- 701	JL6-01	.315	.289	.021	.006	9	0.0	1136.11	-1377.00	-1175.51	-612.95	.293	7	.130	8
653- 703	JL6-01	.443	.365	.021	.059	6	7.1	-1496.42	-672.58	-2035.93	3454.95	.441	8	.270	7
656- 706	JL6-01	.543	.487	.007	.049	7	7.1	2001.08	430.49	973.79	-2651.33	.525	9	.457	6
701- 702	137-01	.458	.226	.016	.196	8	18.8	-66.11	20.39	-86.24	317.53	.388	6	.382	9
701- 704	137-01	.364	.150	.014	.220	6	18.8	-56.05	-19.75	-80.05	-314.67	.305	8	.200	7
701- 801	JL7-01	.409	.290	.017	.101	9	15.2	586.34	-404.45	1129.69	2730.05	.376	7	.207	6
701- 810	200-01	.745	.549	.152	.044	7	0.0	-401.14	8.88	-816.37	-440.04	.653	9	.610	6
702- 703	137-01	.401	.265	.065	.053	8	18.8	-76.04	-23.87	149.54	127.72	.389	9	.324	7
702- 704	127-01	.135	.050	.000	.106	7	0.0	-8.85	6.56	1.03	100.34	.136	9	.050	8
702- 705	127-01	.211	.050	.000	.160	6	0.0	-14.71	-1.61	-.23	-151.66	.203	8	.123	7
703- 705	137-01	.270	.077	.017	.176	7	18.8	-22.65	15.81	-80.00	254.97	.258	9	.187	8
703- 801	200-01	.619	.310	.029	.280	6	0.0	-200.22	8.53	-550.47	1636.88	.554	8	.267	7
705- 803	JL7-01	.751	.594	.081	.075	8	8.8	1214.95	-288.09	2797.15	-2091.72	.752	6	.558	9
706- 705	12 -01	.222	.057	.000	.164	9	0.0	-16.71	1.67	5.20	155.31	.219	7	.215	8
706- 706	12 -01	.245	.168	.063	.061	6	18.8	-49.19	26.27	130.76	-135.30	.255	7	.230	8
705- 706	127-01	.267	.140	.107	.040	7	18.8	-40.96	-20.08	173.49	106.66	.262	6	.196	8
706- 803	2 -01	.542	.548	.150	.164	9	0.0	-480.32	.41	-926.85	1043.74	.825	8	.716	7
706- 806	JL7-01	.421	.668	.114	.019	7	8.8	1396.82	-280.69	3058.38	-1248.12	.802	9	.667	6
710- 810	P2-01	.248	.201	.034	.012	9	20.4	-1374.98	-879.36	3513.94	-2076.55	.183	7	.090	8
711- 811	P2-01	.405	.322	.077	.006	8	20.4	-2199.94	-568.26	6961.82	1915.82	.351	6	.281	9
712- 812	P2-01	.475	.383	.092	.000	7	20.4	-2016.85	-247.76	8021.15	-113.32	.412	9	.408	6
801- 802	100-01	.400	.215	.018	.169	9	22.5	-54.12	27.30	-84.09	274.73	.319	8	.316	7
801- 804	100-01	.474	.252	.012	.210	6	22.5	-64.10	-30.46	-71.92	-330.92	.383	7	.376	8
801- 901	JL6-01	.357	.261	.012	.084	9	8.8	571.36	261.80	762.98	1727.08	.350	7	.169	6
801- 903	200-01	.552	.286	.001	.245	8	55.9	-224.06	27.08	-76.55	1605.45	.501	8	.456	9
802- 803	100-01	.340	.213	.017	.166	9	0.0	-54.33	-35.18	-79.45	269.21	.311	7	.275	8
802- 804	140-01	.120	.020	.012	.088	9	0.0	8.09	-8.65	33.13	-89.07	.117	7	.031	6
802- 805	100-01	.219	.045	.000	.174	8	0.0	-12.58	-8.79	-2.16	-184.50	.211	8	.129	7
803- 805	100-01	.351	.145	.154	.012	8	0.0	-47.04	7.15	219.77	55.40	.252	9	.222	7
803- 903	JL6-01	.443	.345	.006	.095	8	27.4	845.08	-156.02	-586.54	2434.62	.441	6	.293	9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
803= 908	200=01	.660	.600	.277	.002	6	0.0	-471.69	27.58	-1139.45	-103.86	.776	7	.645	8
804= 805	140=01	.220	.050	.000	.170	9	22.5	-13.69	-2.56	-.15	160.24	.210	7	.200	6
804= 806	140=01	.445	.271	.137	.034	7	22.5	-69.07	16.49	195.85	-108.64	.425	6	.301	8
805= 806	100=01	.257	.007	.124	.046	6	22.5	36.32	-10.98	201.47	123.10	.220	8	.176	7
806= 901	200=01	.547	.546	.108	.134	9	0.0	-429.01	-1.82	-972.51	-849.67	.657	7	.606	8
810= 910	300=01	.527	.454	.066	.007	7	15.7	921.23	320.40	1725.29	565.69	.523	9	.494	6
810= 910	P2=01	.279	.193	.027	.058	9	27.4	-1395.17	551.13	-3654.02	-533K.67	.218	7	.151	8
811= 911	P2=01	.447	.329	.116	.006	8	27.4	-2220.26	-655.86	-10319.68	2373.74	.394	6	.319	9
812= 912	P2=01	.508	.387	.121	.000	7	27.4	-2057.24	628.50	-10500.05	-78.54	.442	9	.429	6
901= 902	100=01	.479	.340	.005	.134	6	20.4	-116.75	-9.00	-56.15	-321.48	.324	8	.262	7
901= 904	100=01	.515	.378	.006	.129	7	20.4	-124.94	-17.19	-63.33	-309.35	.367	9	.356	6
901=1001	300=01	.095	.002	.012	.085	6	0.0	3.14	67.75	-841.98	2246.28	.098	9	.095	7
901=1002	100=01	.452	.333	.005	.094	8	37.8	-237.50	73.13	-76.33	330.76	.381	6	.121	7
901=1004	100=01	.735	.643	.105	.009	7	37.8	-432.52	-25.92	-301.40	-91.39	.593	9	.478	6
902= 903	100=01	.431	.313	.001	.117	6	20.4	-107.67	20.57	-23.22	-278.68	.299	8	.247	7
902= 904	100=01	.110	.017	.012	.001	9	0.0	5.00	-10.21	31.85	-82.05	.106	7	.035	8
902= 905	100=01	.243	.045	.001	.197	6	0.0	-11.84	-6.21	-12.59	-166.48	.230	8	.142	7
903= 905	100=01	.661	.478	.185	.000	8	0.0	-164.12	9.21	263.72	-6.07	.650	9	.372	7
903=1002	100=01	.504	.352	.008	.154	6	0.0	-243.41	-22.12	-112.86	469.86	.413	8	.112	7
903=1003	300=01	.168	.052	.000	.116	8	0.0	104.77	-659.14	92.47	2849.64	.160	6	.160	9
903=1005	100=01	.914	.725	.191	.000	6	0.0	-486.66	2.64	-506.00	-2.99	.812	7	.700	8
904= 905	100=01	.252	.049	.000	.183	9	20.4	-12.69	.19	-5.76	172.64	.224	7	.202	6
904= 906	100=01	.579	.416	.150	.012	7	20.4	-143.46	25.14	249.58	-83.99	.327	6	.247	9
905= 906	100=01	.534	.427	.024	.062	9	20.4	-146.08	9.59	-91.05	-208.56	.518	8	.401	6
906=1004	100=01	.794	.652	.129	.034	9	0.0	-424.99	21.03	-411.29	-209.63	.639	7	.461	8
906=1005	100=01	.858	.712	.119	.003	8	37.8	-478.67	17.62	-522.70	53.89	.768	9	.674	6
906=1006	300=01	.144	.055	.009	.080	9	0.0	-107.20	102.98	-694.87	-2088.81	.142	7	.109	6
910=1010	P3=01	.555	.107	.340	.027	9	27.4	-1418.24	997.19	30912.51	-8716.77	.491	7	.177	8
911=1011	P3=01	.850	.264	.594	.002	8	27.4	-2242.84	-2044.18	51260.69	3066.35	.801	6	.542	9
912=1012	P3=01	.993	.313	.661	.000	7	27.4	-2655.67	146.28	54045.00	-30.12	.902	9	.886	6
1001=1002	200=01	.341	.294	.009	.037	9	0.0	-219.78	-27.78	119.28	-259.65	.279	7	.240	6
1001=1004	200=01	.341	.278	.070	.044	9	0.0	-207.67	-65.80	490.55	-421.81	.334	7	.213	6
1002=1003	200=01	.550	.452	.001	.036	8	30.5	-358.72	66.98	367.83	332.32	.427	6	.363	9
1002=1004	100=01	.150	.002	.111	.037	6	0.0	1.11	30.44	-215.09	-124.98	.149	8	.133	7
1002=1005	100=01	.155	.017	.141	.000	7	0.0	-6.58	-23.24	-236.59	1.87	.154	6	.143	9
1003=1005	200=01	.604	.455	.146	.004	8	0.0	-340.56	20.74	665.45	-125.61	.462	6	.423	9
1004=1005	100=01	.113	.031	.062	.019	8	0.0	-11.60	23.50	-119.71	66.71	.105	6	.091	9
1004=1006	200=01	.674	.524	.139	.011	7	30.5	-392.75	27.52	609.24	-202.57	.584	6	.472	9
1005=1006	200=01	.652	.506	.145	.001	7	30.5	-379.17	28.11	616.05	59.08	.596	6	.459	9

STRAN MEMBER STRESS REPORT NO. 2

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS: FORCE FA KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
101- 102	A1B-01	.440	7	0.0	-5.72	.01	357.07	93.47	.058	9	.005	7	49.5	55.2	.428	8
101- 104	A1B-01	.435	6	0.0	-6.75	-.01	451.92	-82.17	.060	9	.004	6	49.4	55.2	.416	6
101- 201	DBL-01	.074	9	15.0	-24.22	-120.68	694.11	-1090.07	.026	8	.019	8	17.5	17.5	.069	8
102- 103	A1B-01	.503	7	14.5	-5.57	-.02	419.90	83.14	.059	7	.003	7	49.5	55.2	.323	9
102- 104	A1B-01	.070	7	14.5	-.66	-.00	-2.57	9.75	.005	9	.001	7	50.9	108.3	.055	6
102- 105	A1B-01	.041	6	10.9	1.19	-.00	-9.57	5.25	.006	7	.000	7	50.9	108.3	.040	7
103- 105	A1B-01	.502	7	0.0	-2.96	-.01	495.18	-54.96	.062	7	.003	7	49.4	55.2	.294	9
103- 203	DBL-01	.064	9	15.0	-23.22	97.63	1004.15	1264.26	.022	9	.018	9	17.5	17.5	.068	8
104- 105	A1B-01	.049	7	0.0	1.46	.01	2.49	-5.96	.006	9	.001	7	50.9	108.4	.044	8
104- 106	A1B-01	.279	6	14.5	-6.20	.04	537.96	-43.58	.102	7	.003	8	49.5	55.2	.269	6
105- 106	A1B-01	.300	6	14.5	-6.90	.02	495.20	-32.68	.061	9	.001	8	49.5	55.2	.262	9
105- 206	DBL-01	.132	7	15.0	-15.97	14.01	-2356.56	921.90	.022	7	.021	7	17.5	17.5	.111	6
201- 202	A1B-01	.556	7	0.0	29.50	.05	559.44	99.87	.083	9	.005	7	49.5	55.2	.502	6
201- 204	A1B-01	.702	7	0.0	-75.82	-.01	865.65	93.06	.086	7	.005	6	49.4	55.2	.694	6
201- 301	DBL-01	.625	7	15.0	-68.45	-110.76	12024.31	-1557.06	.094	9	.090	7	17.5	17.5	.562	9
201- 303	120-01	.533	7	52.0	4.80	3.58	697.16	-1428.37	.128	7	.127	7	73.7	92.2	.509	6
202- 203	A1B-01	.512	7	14.5	29.51	-.05	616.53	70.68	.083	7	.004	7	49.5	55.2	.445	9
202- 204	A1B-01	.074	7	14.5	-.86	-.00	-2.59	10.08	.005	7	.001	7	50.9	108.3	.058	6
202- 205	A1B-01	.055	7	14.5	-.78	-.00	4.46	-6.57	.006	9	.001	9	50.9	108.3	.052	8
203- 205	A1B-01	.649	7	0.0	32.60	-.03	1750.43	-106.25	.144	7	.003	7	40.3	48.0	.524	6
203- 303	DBL-01	.614	6	15.0	-135.86	389.45	-11314.11	-359.93	.140	7	.115	7	17.5	17.5	.609	7
203- 306	120-01	.492	9	52.0	125.24	20.90	655.84	-574.18	.098	9	.091	9	73.7	92.2	.460	7
204- 205	A1B-01	.063	8	14.5	-1.13	-.00	3.54	7.65	.006	7	.001	8	50.9	108.4	.048	7
204- 206	A1B-01	.513	8	14.5	54.06	.05	626.91	-54.92	.126	9	.003	8	49.5	55.2	.449	6
205- 206	A1B-01	.595	8	14.5	-44.52	.01	1706.56	-74.65	.143	9	.002	8	40.3	48.0	.469	9
205- 301	120-01	.655	8	52.0	-115.99	-25.56	502.73	-879.65	.109	8	.101	8	73.7	92.2	.508	9
206- 306	DBL-01	.724	7	15.0	-141.17	334.07	13490.79	-1551.35	.133	9	.119	9	17.5	17.5	.682	9
301- 303	120-01	.537	6	29.0	-49.55	10.70	145.42	-927.06	.113	7	.110	7	64.2	64.2	.516	6
301- 305	120-01	.755	7	29.0	-109.36	-9.93	804.82	-636.53	.069	8	.086	8	64.2	64.2	.750	6
301- 401	DBL-01	.647	7	28.5	-55.40	-1099.83	-13628.54	2051.99	.208	7	.163	7	33.3	33.3	.495	9
303- 306	120-01	.570	7	29.0	83.46	-20.29	594.72	608.08	.068	9	.061	9	64.2	64.2	.570	8
303- 403	DBL-01	.790	8	28.5	-136.76	-835.16	14747.76	1011.46	.260	7	.189	7	33.3	33.3	.702	6
306- 406	DBL-01	1.008	7	28.5	-214.66	301.75	-16394.89	2281.16	.187	7	.155	7	33.3	33.3	.856	9
401- 501	JBL-01	.730	9	4.0	1211.08	-520.36	-8099.77	-21037.42	.092	7	.085	7	2.7	3.4	.724	7
401- 502	PIL-01	.525	9	0.0	-1530.40	-701.20	-9124.30	4583.40	.028	6	.021	6	3.8	3.8	.285	7
403- 503	JBL-01	.810	6	4.0	1403.77	710.89	-10013.77	14905.93	.130	6	.122	6	2.7	3.4	.767	6
403- 511	PIL-01	.472	8	4.0	-2104.56	694.85	-8826.20	970.15	.026	8	.018	6	3.8	3.8	.429	6
406- 506	JBL-01	.859	7	4.0	2341.46	298.93	-14231.65	2475.04	.104	9	.101	9	2.7	3.4	.819	9
406- 512	PIL-01	.604	7	0.0	-2578.17	373.66	-13406.01	-196.24	.022	7	.017	7	3.8	3.8	.545	9
501- 502	120-01	.375	9	15.1	-177.17	228.27	-202.57	565.75	.149	6	.096	6	26.7	33.4	.347	6
501- 504	120-01	.752	9	0.0	290.41	105.35	1208.76	-597.17	.123	6	.085	6	26.7	33.4	.720	7
501- 601	JBL-01	.674	7	0.0	-1054.72	209.83	6325.32	20185.75	.111	6	.106	6	3.6	4.5	.672	9
501- 602	PIL-01	.467	6	0.0	284.66	-205.95	905.90	-1046.46	.119	7	.084	7	28.4	28.4	.447	8
502- 503	120-01	.501	9	0.0	-161.64	-178.11	-211.05	481.45	.118	9	.076	9	26.7	33.4	.300	7
502- 504	120-01	.120	6	0.0	-6.41	-100.75	134.24	135.82	.112	7	.065	7	33.5	33.5	.114	6
502- 505	120-01	.215	6	0.0	-26.95	-55.34	-102.54	-225.55	.103	7	.060	7	33.5	33.5	.210	8
503- 503	120-01	.573	6	0.0	-201.90	-27.40	1169.06	-172.06	.042	9	.041	9	26.7	33.4	.508	9
503- 603	JBL-01	.674	6	0.0	1475.24	391.07	-8366.67	13430.28	.112	9	.106	9	3.6	4.5	.648	6

STRAN MEMBER STRESS REPORT NO. 2

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS: FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
503= 645	2[illegible]=V1	.755	6	0.0	502.04	11.11	1822.50	117.91	.078	9	.060	9	28.4	28.4	.810	9
504= 505	105=V1	.195	4	15.1	-26.00	-1.05	-159.35	217.53	.052	8	.037	8	33.5	33.5	.193	7
505= 506	105=V1	.752	7	15.1	-537.34	74.21	1207.56	180.76	.090	8	.063	8	20.7	33.4	.653	9
506= 506	105=V1	.544	6	15.1	152.77	-53.99	1199.35	495.22	.072	7	.053	7	20.7	33.4	.526	8
507= 506	J[illegible]=V1	.701	7	0.0	2011.58	426.80	-10275.58	2611.41	.065	7	.058	7	3.6	4.5	.680	9
508= 644	2[illegible]=V1	.551	7	0.0	502.51	90.50	1607.93	1035.73	.096	6	.073	6	20.4	28.4	.510	9
51 = 710	M1=V1	.361	4	0.0	-1539.21	-478.67	-6240.25	4075.52	.042	6	.027	6	21.4	21.4	.285	7
511= 711	M1=V1	.473	6	0.0	-2104.07	549.53	-8619.22	1028.21	.040	9	.030	8	21.4	21.4	.429	6
512= 712	M1=V1	.503	7	0.0	-2500.96	346.34	-11968.39	-169.77	.037	7	.033	7	21.4	21.4	.534	9
513= 641	JL6=V1	.505	4	0.0	1134.98	-712.44	-3705.25	-10848.97	.112	6	.094	6	3.6	4.5	.500	7
514= 643	JL6=V1	.565	6	0.0	1457.76	666.79	-4693.97	7155.57	.104	9	.090	9	3.6	4.5	.501	6
515= 646	JL6=V1	.669	7	0.0	2004.20	451.17	-5836.65	1547.54	.052	7	.045	7	3.6	4.5	.589	9
516= 651	JL6=V1	.593	4	0.0	1134.44	-712.44	-2197.22	-4905.49	.104	6	.086	6	3.6	4.5	.376	7
517= 7[illegible]2=V1		.511	6	21.9	254.96	-206.03	419.14	-1457.45	.118	7	.084	7	30.7	30.7	.493	8
518= 653	JL6=V1	.469	6	0.0	1455.23	666.79	-1514.65	2283.26	.095	9	.081	9	3.6	4.5	.592	6
519= 711	2[illegible]=V1	.554	4	21.9	-551.61	-83.70	-38.52	-675.86	.091	8	.067	6	30.7	30.7	.641	7
520= 7[illegible]2=V1		.563	7	21.9	-554.16	114.85	-99.56	811.84	.069	9	.052	9	30.7	30.7	.654	9
521= 656	JL6=V1	.545	7	0.0	2006.59	451.03	-2721.09	65.08	.046	7	.039	7	3.6	4.5	.522	9
522= 711	JL6=V1	.315	4	0.0	1109.11	-1377.00	-1175.51	-612.95	.093	6	.060	6	4.2	5.3	.293	7
523= 703	JL6=V1	.443	6	7.1	-1492.42	-672.58	-2055.93	3454.93	.077	9	.052	9	4.2	5.3	.441	8
524= 706	JL6=V1	.543	7	7.1	2001.06	450.49	973.79	-2651.33	.036	7	.029	9	4.2	5.3	.525	9
701= 702	13[illegible]=V1	.439	6	10.8	-66.11	20.39	-86.24	317.53	.074	9	.058	9	82.3	41.1	.388	6
702= 704	13[illegible]=V1	.304	6	10.8	-38.03	-19.75	-80.03	-314.67	.068	6	.056	6	82.3	41.2	.305	8
703= 601	JL[illegible]=V1	.409	4	13.2	508.34	-404.45	1129.69	2730.05	.072	6	.054	9	15.9	19.9	.376	7
704= 6[illegible]2=V1		.745	7	0.0	-481.14	8.58	-815.37	-440.04	.043	8	.042	8	68.4	68.4	.653	9
705= 703	13[illegible]=V1	.401	6	10.8	-76.84	-23.87	149.34	127.72	.069	9	.057	9	82.3	41.1	.389	9
706= 704	12[illegible]=V1	.139	7	0.0	-8.85	6.56	1.03	100.34	.034	7	.028	7	49.0	49.0	.136	9
707= 705	12[illegible]=V1	.211	6	0.0	-14.71	-1.61	-.25	-151.66	.040	8	.038	8	49.0	49.0	.203	8
708= 705	13[illegible]=V1	.270	7	10.8	-22.65	13.81	-80.00	254.97	.046	7	.038	7	82.3	41.2	.258	9
709= 6[illegible]2=V1		.619	6	0.0	-261.22	6.53	-530.47	1636.86	.053	9	.051	8	68.4	68.4	.554	8
710= 6[illegible]=V1		.753	8	0.0	1214.93	-268.09	2797.15	-2691.72	.066	8	.056	8	15.9	19.9	.752	6
711= 705	12[illegible]=V1	.222	4	0.0	-18.71	1.67	5.20	155.31	.044	7	.042	7	49.0	49.0	.219	7
712= 706	13[illegible]=V1	.293	6	10.8	-44.19	26.27	130.76	-135.30	.063	6	.047	6	82.3	41.1	.255	7
713= 706	13[illegible]=V1	.287	7	10.8	-40.96	-20.06	173.64	106.66	.045	7	.033	7	82.3	41.1	.262	6
714= 603	2[illegible]=V1	.542	4	0.0	-480.52	.41	-926.85	1043.74	.041	7	.041	7	68.4	68.4	.525	8
715= 656	JL[illegible]=V1	.821	7	0.0	1596.82	-200.69	3058.30	-1248.12	.058	7	.051	7	15.9	19.9	.802	9
71[illegible]= 610	M2=V1	.248	4	20.4	-1374.96	-479.30	3513.94	-2076.55	.040	6	.024	6	22.3	22.3	.183	7
711= 611	M2=V1	.405	6	20.4	-2194.94	-568.26	6461.82	1915.82	.024	6	.014	6	22.3	22.3	.351	6
712= 612	M2=V1	.475	7	20.4	-2515.95	-247.76	6021.15	-113.32	.018	6	.011	6	22.3	22.3	.412	9
701= 602	10[illegible]=V1	.400	4	22.5	-54.12	27.30	-84.09	274.73	.069	9	.052	9	98.7	49.4	.319	8
702= 604	10[illegible]=V1	.474	6	22.5	-84.10	-30.46	-71.92	-330.92	.074	6	.056	6	98.7	49.4	.383	7
703= 901	JL6=V1	.357	4	6.6	571.56	261.80	762.98	1727.06	.060	6	.051	6	10.5	20.6	.350	7
704= 903	2[illegible]=V1	.502	8	55.9	-224.66	27.08	-76.55	1605.45	.049	9	.044	9	78.3	78.3	.501	6
705= 603	10[illegible]=V1	.345	4	0.0	-54.33	-35.16	-79.45	269.21	.078	9	.057	9	98.7	49.4	.311	7
706= 604	10[illegible]=V1	.120	4	0.0	5.69	-4.85	33.13	-69.07	.034	7	.025	9	58.8	58.8	.117	7
707= 605	10[illegible]=V1	.219	6	0.0	-12.56	-4.79	-2.16	-164.50	.045	6	.038	6	58.8	58.8	.211	8
708= 903	10[illegible]=V1	.351	8	0.0	-47.06	7.15	219.77	65.40	.045	7	.034	7	98.7	49.4	.252	9
709= 903	JL6=V1	.443	6	27.4	695.88	-156.02	-508.54	2434.62	.051	6	.048	9	10.5	20.6	.441	6

STRAN MEMBER STRESS REPORT NO. 2

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 95.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD CN	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS: FORCE FA KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
803=906	200=01	.880	6	0.0	-471.89	27.58	-1159.45	-103.86	.036	9	.032	9	78.3	78.3	.778	7
804=805	140=01	.220	9	22.5	-15.49	-2.56	-.15	160.24	.038	9	.036	9	56.8	56.8	.210	7
805=806	100=01	.443	7	22.5	-69.07	16.49	195.65	-108.64	.057	6	.043	6	98.7	49.4	.425	6
806=810	100=01	.257	6	22.5	36.32	-10.98	201.47	125.10	.047	7	.033	7	98.7	49.4	.226	6
808=911	200=01	.647	9	0.0	-429.01	-1.82	-972.51	-869.67	.054	6	.046	6	78.3	78.3	.657	7
809=910	JL6=01	.527	7	13.7	921.23	526.40	1723.29	565.89	.087	6	.056	6	10.5	20.6	.523	9
810=910	P2=01	.279	9	27.4	-1395.17	551.13	-3654.02	-5538.87	.028	6	.018	6	23.2	23.2	.218	7
811=911	P2=01	.447	6	27.4	-2220.26	-665.86	-10319.66	2375.74	.048	6	.036	6	23.2	23.2	.394	6
812=912	P2=01	.508	7	27.4	-2657.24	628.50	-10500.65	-78.54	.067	6	.044	6	23.2	23.2	.442	9
901=902	100=01	.479	6	20.4	-116.75	-9.00	-56.15	-321.46	.049	9	.036	9	106.2	53.1	.324	8
902=903	100=01	.515	7	20.4	-129.94	-17.19	-63.33	-309.35	.043	6	.035	6	106.2	53.1	.367	9
903=1001	JL6=01	.098	6	0.0	5.14	67.75	-541.99	2246.28	.046	9	.034	9	10.5	20.6	.098	9
904=1002	100=01	.452	8	57.0	-237.50	73.13	-78.33	550.76	.060	6	.038	6	66.8	66.8	.381	6
905=1004	100=01	.755	7	57.0	-452.52	-25.92	-301.40	-91.39	.049	6	.033	6	66.8	66.8	.593	9
906=903	100=01	.431	6	20.4	-107.67	20.57	-23.22	-278.68	.047	9	.035	9	106.2	53.1	.299	8
908=909	100=01	.110	9	0.0	5.80	-10.21	31.85	-62.05	.033	9	.024	9	69.0	69.0	.106	7
909=905	100=01	.243	6	0.0	-11.84	-6.21	-12.59	-186.48	.038	8	.032	8	69.0	69.0	.230	8
910=905	100=01	.661	8	0.0	-164.12	9.21	263.72	-8.07	.025	7	.020	7	106.2	53.1	.630	9
911=1002	100=01	.504	6	0.0	-245.41	-22.12	-112.56	469.85	.033	9	.027	9	66.8	66.8	.413	6
912=1003	JL6=01	.105	8	0.0	104.77	-659.14	92.47	2869.64	.073	6	.049	8	10.5	20.6	.100	6
913=1005	100=01	.914	6	0.0	-486.56	2.64	-506.00	-2.99	.044	9	.031	9	66.8	66.8	.812	7
914=915	100=01	.232	9	20.4	-12.89	.19	-5.76	172.64	.037	6	.032	6	69.0	69.0	.224	7
916=916	100=01	.579	7	20.4	-143.46	25.14	249.56	-83.99	.044	6	.031	6	106.1	53.1	.527	6
915=916	100=01	.554	9	20.4	-146.58	9.59	-91.65	-208.56	.032	7	.023	7	106.1	53.1	.519	6
916=1004	100=01	.794	9	0.0	-424.99	21.03	-411.29	-209.63	.037	6	.024	6	66.8	66.8	.659	7
916=1005	100=01	.434	8	57.0	-476.87	17.82	-522.70	55.89	.026	6	.020	6	66.8	66.8	.768	9
916=1006	JL6=01	.144	9	0.0	-107.20	102.96	-694.67	-2088.81	.076	6	.051	6	10.5	20.6	.142	7
911=1010	P3=01	.555	9	27.4	-1418.24	997.19	30912.51	-8716.77	.057	9	.047	9	23.4	23.4	.491	7
911=1011	P3=01	.850	6	27.4	-2242.84	-2084.16	51260.89	3066.35	.118	6	.093	6	23.4	23.4	.801	6
912=1012	P3=01	.943	7	27.4	-2435.67	145.28	59645.00	-50.12	.117	6	.091	6	23.4	23.4	.902	9
1001=1002	200=01	.341	9	0.0	-219.76	-27.76	119.28	-259.65	.031	8	.021	8	84.9	42.5	.279	7
1001=1004	200=01	.341	9	0.0	-207.87	-85.80	490.35	-421.81	.057	6	.035	6	84.9	42.5	.334	7
1002=1003	200=01	.550	8	30.3	-338.72	66.98	367.83	332.32	.043	9	.025	9	84.9	42.5	.427	6
1002=1004	100=01	.150	6	0.0	1.11	30.44	-215.09	-124.98	.040	6	.025	6	60.4	60.4	.149	8
1002=1005	100=01	.155	7	0.0	-6.38	-25.24	-256.59	1.87	.032	9	.020	9	60.4	60.4	.154	6
1003=1005	200=01	.604	8	0.0	-348.38	20.74	665.43	-125.61	.025	7	.017	7	84.9	42.5	.462	6
1004=1005	100=01	.115	6	0.0	-11.80	25.50	-119.71	68.71	.029	6	.017	6	60.4	60.4	.105	6
1005=1006	200=01	.574	7	30.3	-392.75	27.52	604.24	-202.57	.016	7	.012	7	84.9	42.4	.564	6
1005=1006	200=01	.652	7	30.3	-374.17	28.11	616.85	59.08	.015	8	.010	8	84.9	42.4	.596	6

STRAN MEMBER STRESS REPORT NO. 3

U.S. NAVY - ACAP PLATFORMS - PLATFORM NO. 2 - WL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
101- 102	A10-V1	.440	7	0.0	-.23	4.01	8.72	.76	-6.87	49.5	55.2	.428	8	.428	6
101- 104	A10-V1	.438	6	0.0	-.42	4.85	-7.67	-.67	-7.34	49.4	55.2	.416	6	.406	7
101- 201	BRL-V1	.074	9	15.0	-.27	-2.02	0.00	9.68	5.97	17.5	17.5	.069	8	.039	6
102- 103	A10-V1	.363	7	14.5	-.22	4.71	5.89	-.57	7.24	49.5	55.2	.323	9	.276	8
102- 104	A06-V1	.070	7	14.5	-.09	-.12	1.74	-.10	.17	50.9	108.3	.055	6	.049	9
102- 105	A10-V1	.041	8	10.9	.17	-.46	.56	-.01	.06	50.9	108.3	.040	7	.034	6
103- 105	A10-V1	.362	7	0.0	-.16	5.56	-5.13	-.45	-7.02	49.4	55.2	.294	9	.246	6
103- 203	BRL-V1	.069	9	15.0	-.25	-2.53	0.00	-10.21	7.17	17.5	17.5	.068	8	.047	7
104- 105	A10-V1	.049	7	0.0	.21	.12	-1.06	-.05	-.22	50.9	108.4	.044	8	.043	9
104- 106	A10-V1	.279	6	14.5	-.36	3.79	-4.09	.41	11.75	49.5	55.2	.269	6	.190	7
105- 106	A10-V1	.300	8	14.5	-.43	5.56	-3.05	.22	7.53	49.5	55.2	.262	9	.181	6
105- 206	BRL-V1	.152	7	15.0	-.19	-3.46	0.00	-5.75	-17.09	17.5	17.5	.111	6	.079	9
201- 202	A10-V1	.568	7	0.0	1.82	6.28	9.32	.85	-9.93	49.5	55.2	.562	6	.551	8
201- 204	A10-V1	.702	7	0.0	-4.68	7.47	8.68	.74	-10.56	49.4	55.2	.684	6	.545	8
201- 301	BRL-V1	.426	7	15.0	-.75	-16.93	0.00	14.92	60.27	17.5	17.5	.562	9	.470	6
201- 303	120-V1	.633	7	32.6	.17	19.83	0.00	31.80	11.88	73.7	92.2	.589	6	.261	8
202- 203	A10-V1	.512	7	14.5	1.82	6.92	6.59	-.64	10.27	49.5	55.2	.445	9	.409	6
202- 204	A10-V1	.074	7	14.5	-.12	-.12	1.80	-.10	.17	50.9	108.3	.056	6	.051	9
202- 205	A06-V1	.055	7	14.5	-.11	.21	-1.17	.04	.18	50.9	108.3	.052	8	.047	6
203- 205	A21-V1	.669	7	0.0	1.84	11.62	-6.25	-.76	-23.62	40.3	48.0	.524	6	.470	9
203- 303	BRL-V1	.614	6	15.0	-1.47	-17.71	0.00	-1.35	-5[illegible].50	17.5	17.5	.609	7	.541	9
203- 306	120-V1	.492	9	32.6	4.43	10.69	0.00	12.97	10.73	73.7	92.2	.460	7	.412	8
204- 205	A06-V1	.063	8	14.5	-.16	.16	1.37	-.05	.19	50.9	108.4	.048	7	.044	6
204- 206	A10-V1	.518	6	14.5	3.34	7.06	-5.12	.52	15.37	49.5	55.2	.449	6	.401	7
205- 206	A21-V1	.595	6	14.5	-2.06	11.33	-4.34	.55	20.19	40.3	48.0	.469	9	.375	6
205- 301	120-V1	.655	8	32.6	-4.03	-15.17	0.00	24.54	5.16	73.7	92.2	.504	9	.440	7
205- 305	BRL-V1	.728	7	15.0	-1.55	-21.24	0.00	14.45	78.07	17.5	17.5	.682	9	.610	8
301- 303	120-V1	.537	6	29.0	-2.50	-10.55	0.00	16.49	2.89	64.2	64.2	.616	8	.563	7
301- 306	120-V1	.755	7	29.0	-5.68	-16.51	0.00	7.63	4.42	64.2	64.2	.750	6	.685	8
301- 401	BRL-V1	.647	7	28.5	-.39	-21.56	0.00	-9.56	-102.46	33.3	33.3	.695	9	.597	6
302- 306	120-V1	.540	7	29.0	3.30	15.02	0.00	-7.51	3.99	64.2	64.2	.570	8	.531	9
303- 403	BRL-V1	.740	6	28.5	-1.52	-23.12	0.00	-18.99	100.61	33.3	33.3	.702	6	.644	9
305- 406	BRL-V1	1.006	7	28.5	-2.30	-29.00	0.00	-10.66	-123.76	33.3	33.3	.856	9	.811	6
401- 501	JL3-V1	.733	9	4.6	8.47	15.76	0.00	84.64	-45.06	2.7	3.4	.724	7	.551	8
401- 513	P1-V1	.525	9	0.0	-6.04	-3.58	0.00	8.62	-1.91	3.8	3.8	.285	7	.202	6
403- 503	JL3-V1	.815	6	4.6	13.18	11.28	0.00	-47.70	-137.10	2.7	3.4	.767	6	.765	9
403- 511	P1-V1	.472	6	4.6	-9.76	-4.15	0.00	.82	-18.04	3.8	3.8	.429	6	.340	9
406- 506	JL3-V1	.859	7	4.6	16.36	9.13	0.00	-10.57	-126.46	2.7	3.4	.819	9	.725	6
406- 512	P1-V1	.504	7	0.0	-11.65	-6.27	0.00	-.12	20.07	3.8	3.8	.545	9	.508	6
501- 502	120-V1	.375	9	15.1	-5.87	-5.38	0.00	-11.15	-1.91	26.7	33.4	.347	6	.325	7
501- 504	120-V1	.732	9	0.0	9.62	12.56	0.00	-5.81	-7.92	26.7	33.4	.720	7	.647	8
501- 601	JL3-V1	.674	7	0.0	-7.27	-13.29	0.00	118.56	-31.57	3.0	4.5	.672	9	.519	8
501- 602	290-V1	.487	6	0.0	6.96	7.75	0.00	-15.86	-8.60	28.4	28.4	.447	8	.312	9
502- 503	120-V1	.361	9	0.0	-6.02	-4.71	0.00	9.94	1.16	26.7	33.4	.300	7	.193	8
502- 504	120-V1	.120	8	0.0	-.36	-3.37	0.00	1.14	-1.57	33.5	33.5	.114	6	.113	9
502- 505	120-V1	.215	8	0.0	-1.40	-5.09	0.00	-4.49	.51	33.5	33.5	.210	8	.108	7
503- 505	120-V1	.575	8	0.0	-6.64	-10.76	0.00	-1.96	-7.85	26.7	33.4	.508	9	.472	6
503- 603	JL3-V1	.674	8	0.0	10.32	9.94	0.00	94.42	57.16	3.0	4.5	.644	6	.622	7

STRAN MEMBER STRESS REPORT NO. 3

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
503= 645	200=01	.456	8	0.0	15.50	10.22	0.00	1.24	-14.93	28.4	28.4	.810	9	.795	7
504= 505	105=01	.196	9	15.1	-1.55	-4.56	0.00	-4.90	.33	33.5	33.5	.193	7	.136	6
504= 506	105=01	.752	7	15.1	-11.17	-11.46	0.00	-.45	8.75	26.7	33.4	.653	9	.614	6
505= 506	105=01	.540	6	15.1	5.06	11.62	0.00	-4.97	7.98	26.7	33.4	.526	8	.490	7
505= 615	JL5=01	.701	7	0.0	14.07	8.66	0.00	17.30	67.13	3.6	4.5	.680	9	.607	8
506= 644	205=01	.454	7	0.0	14.79	10.71	0.00	10.56	-12.59	28.4	28.4	.810	9	.686	6
510= 710	P1=01	.321	9	0.0	-6.05	-3.49	0.00	10.09	24.48	21.4	21.4	.285	7	.195	6
511= 711	P1=01	.475	8	0.0	-4.76	-4.15	0.00	-1.70	45.29	21.4	21.4	.429	6	.336	9
512= 712	P1=01	.583	7	0.0	-11.00	-5.60	0.00	-.12	55.95	21.4	21.4	.534	9	.490	6
601= 641	JL6=01	.505	9	0.0	7.95	7.20	0.00	-86.70	23.15	3.6	4.5	.500	7	.331	8
603= 643	JL6=01	.525	8	0.0	10.20	5.58	0.00	69.83	46.29	3.6	4.5	.501	6	.452	9
604= 646	JL6=01	.604	7	0.0	14.06	5.76	0.00	17.30	46.27	3.6	4.5	.584	9	.529	8
651= 651	JL6=01	.303	9	0.0	7.94	5.58	0.00	-76.32	16.26	3.6	4.5	.376	7	.197	8
652= 713	205=01	.511	8	21.9	6.96	6.49	0.00	15.92	6.78	30.7	30.7	.493	8	.256	7
653= 653	JL6=01	.409	8	0.0	10.18	1.72	0.00	63.77	39.00	3.6	4.5	.392	6	.290	9
654= 701	205=01	.658	9	21.9	-14.50	-5.79	0.00	9.57	-5.04	30.7	30.7	.641	7	.546	8
655= 716	205=01	.665	7	21.9	-14.57	-4.58	0.00	-8.84	-5.81	30.7	30.7	.654	9	.631	8
656= 655	JL6=01	.543	7	0.0	14.04	1.71	0.00	17.30	40.54	3.6	4.5	.522	9	.479	6
701= 701	JL6=01	.315	9	0.0	8.30	.83	0.00	-16.82	12.03	4.2	5.3	.293	7	.130	8
703= 703	JL6=01	.443	6	7.1	-10.44	-2.52	0.00	-13.92	-5.51	4.2	5.3	.441	8	.270	7
656= 706	JL6=01	.543	7	7.1	14.00	1.77	0.00	17.30	.42	4.2	5.3	.525	9	.457	6
701= 702	157=01	.438	8	18.8	-4.53	-7.51	0.00	-6.19	-.53	82.3	41.1	.388	6	.362	9
701= 704	157=01	.364	6	18.8	-2.81	-7.41	0.00	6.17	-.51	82.3	41.2	.305	8	.200	7
701= 801	JL7=01	.409	9	13.2	8.52	5.76	0.00	-5.75	-2.81	15.9	19.9	.376	7	.207	6
701= 806	205=01	.745	7	0.0	-12.12	-5.19	0.00	-7.31	7.94	68.4	68.4	.635	9	.610	6
702= 703	157=01	.401	8	18.8	-5.27	-4.48	0.00	-4.13	1.12	82.3	41.1	.389	9	.324	7
702= 704	127=01	.136	7	0.0	-.74	-3.56	0.00	2.46	-.63	49.0	49.0	.136	9	.030	8
702= 705	127=01	.211	6	0.0	-1.24	-5.07	0.00	-4.06	-.66	49.0	49.0	.203	8	.123	7
703= 705	157=01	.270	7	18.8	-1.55	-6.10	0.00	-4.17	-.35	82.3	41.2	.258	9	.147	8
705= 801	205=01	.619	6	0.0	-8.84	-9.63	0.00	17.02	3.62	68.4	68.4	.554	8	.247	7
3= 803	JL7=01	.754	8	6.6	17.19	4.94	0.00	-.05	.78	15.9	19.9	.752	6	.556	9
4= 705	127=01	.222	9	0.0	-1.40	-5.20	0.00	4.51	-.67	49.0	49.0	.219	7	.215	8
4= 706	157=01	.293	6	18.8	-3.37	-4.29	0.00	4.09	.93	82.3	41.1	.255	7	.230	8
5= 706	157=01	.267	7	18.8	-2.81	-4.65	0.00	-2.74	1.15	82.3	41.1	.262	6	.146	8
5= 803	205=01	.842	9	0.0	-12.10	-7.81	0.00	10.57	7.66	68.4	68.4	.825	8	.716	7
5= 806	JL7=01	.821	7	6.6	19.76	4.20	0.00	-6.42	3.71	15.9	19.9	.802	9	.647	6
6= 810	P2=01	.248	9	25.4	-5.47	-1.70	0.00	9.73	7.60	22.3	22.3	.183	7	.040	8
711= 811	P2=01	.403	8	26.4	-4.75	-3.01	0.00	-1.13	6.65	22.3	22.3	.351	6	.261	9
712= 812	P2=01	.475	7	26.4	-10.41	-3.34	0.00	-.12	9.69	22.3	22.3	.412	9	.408	6
801= 812	105=01	.400	9	22.5	-3.71	-6.56	0.00	-5.01	.61	98.7	49.4	.319	8	.316	7
801= 804	105=01	.474	6	22.5	-4.40	-7.73	0.00	5.30	-.30	98.7	49.4	.383	7	.376	8
801= 901	JL6=01	.357	9	6.6	8.06	2.40	0.00	.29	4.45	16.5	20.6	.350	7	.149	6
801= 903	200=01	.562	8	55.9	-5.91	-8.99	0.00	-12.34	-2.15	78.3	78.3	.501	6	.256	9
802= 803	105=01	.396	9	0.0	-3.73	-6.41	0.00	4.95	.56	98.7	49.4	.311	7	.275	8
802= 804	105=01	.120	9	0.0	.56	3.18	0.00	-1.94	-.58	58.8	58.8	.117	7	.031	6
802= 805	105=01	.219	6	0.0	-1.06	-5.50	0.00	-3.39	-.53	58.8	58.8	.211	8	.129	7
804= 805	105=01	.351	6	0.0	-5.23	-5.23	0.00	.56	-1.24	98.7	49.4	.252	9	.222	7
5= 903	JL6=01	.443	8	27.4	9.84	5.18	0.00	-20.12	-18.56	16.5	20.6	.441	6	.293	9

STRAN MEMBER STRESS REPORT NO. 3

DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
803= 906	200=01	.460	6	0.0	-12.40	-6.40	0.00	-.66	7.25	78.3	78.3	.776	7	.665	8
804= 805	100=01	.220	9	22.5	-1.17	-5.56	0.00	-3.76	.57	58.8	58.8	.210	7	.200	6
804= 806	100=01	.443	7	22.5	-4.74	-5.11	0.00	2.18	1.03	98.7	49.4	.425	6	.301	8
805= 806	100=01	.257	6	22.5	2.49	5.39	0.00	-.96	1.15	98.7	49.4	.226	8	.176	7
806= 901	200=01	.847	9	0.0	-11.28	-7.30	0.00	-7.80	6.02	78.3	78.3	.657	7	.606	8
806= 906	JL6=01	.527	7	13.7	15.03	2.31	0.00	-6.68	-5.00	16.5	20.6	.523	9	.494	6
810= 910	P2=01	.279	9	27.4	-5.55	-2.70	0.00	9.93	-20.16	23.2	23.2	.218	7	.131	8
811= 911	P2=01	.447	6	27.4	-5.43	-4.41	0.00	-1.42	-50.95	23.2	23.2	.394	6	.319	9
812= 912	P2=01	.508	7	27.4	-10.49	-4.34	0.00	-.12	-54.72	23.2	23.2	.442	9	.429	6
901= 902	100=01	.479	6	26.4	-5.51	-4.72	0.00	5.09	-.44	106.2	53.1	.324	8	.262	7
901= 904	100=01	.515	7	26.4	-8.13	-4.57	0.00	3.45	.20	106.2	53.1	.367	9	.356	6
901=1001	JL4=01	.099	6	0.0	.04	3.05	0.00	18.20	1.88	16.5	20.6	.098	9	.095	7
901=1002	100=01	.452	6	37.8	-7.47	-3.04	0.00	-3.92	-1.03	66.8	66.8	.381	6	.121	7
901=1004	100=01	.755	7	37.8	-14.35	-2.62	0.00	1.79	-2.40	66.8	66.8	.593	9	.476	6
902= 903	100=01	.431	6	26.4	-5.08	-4.05	0.00	3.86	.27	106.2	53.1	.249	8	.247	7
902= 904	100=01	.110	9	0.0	.49	2.94	0.00	-1.67	-.37	69.0	69.0	.106	7	.055	8
902= 905	100=01	.243	6	0.0	-.99	-0.25	0.00	-3.03	-.21	69.0	69.0	.230	8	.142	7
903= 905	100=01	.661	8	0.0	-7.74	-3.62	0.00	.09	-1.24	106.2	53.1	.630	9	.372	7
903=1002	100=01	.504	6	0.0	-8.06	-4.33	0.00	5.30	1.23	66.8	66.8	.413	8	.112	7
903=1003	JL4=01	.168	6	0.0	1.48	3.68	0.00	16.30	8.85	16.5	20.6	.160	6	.160	9
903=1005	100=01	.914	6	0.0	-16.12	-4.53	0.00	-.45	4.38	66.8	66.8	.812	7	.700	8
904= 905	100=01	.232	9	26.4	-1.08	-5.78	0.00	-3.27	.27	69.0	69.0	.224	7	.202	6
904= 906	100=01	.579	7	26.4	-8.77	-3.61	0.00	1.85	1.21	106.1	53.1	.327	6	.297	9
905= 906	100=01	.534	9	26.4	-8.95	-3.30	0.00	2.64	.06	106.1	53.1	.518	8	.401	6
905=1004	100=01	.794	9	0.0	-14.06	-4.13	0.00	-3.01	5.45	66.8	66.8	.639	7	.491	8
905=1005	100=01	.859	6	37.8	-15.86	-2.93	0.00	-.27	-2.51	66.8	66.8	.768	9	.674	6
906=1006	JL4=01	.144	9	0.0	-1.52	-2.80	0.00	-6.49	-2.13	16.5	20.6	.142	7	.109	6
910=1010	P3=01	.533	9	27.4	-4.80	-11.58	0.00	10.28	107.20	23.4	23.4	.491	7	.177	8
911=1011	P3=01	.650	6	27.4	-7.59	-13.52	0.00	-2.09	149.44	23.4	23.4	.601	6	.542	9
912=1012	P3=01	.943	7	27.4	-8.96	-21.51	0.00	-.12	215.52	23.4	23.4	.902	9	.866	6
1001=1002	200=01	.341	9	0.0	-5.78	-1.60	0.00	-.32	-.23	84.9	42.5	.279	7	.200	6
1001=1004	200=01	.391	9	0.0	-5.46	-3.62	0.00	-1.30	-1.50	84.9	42.5	.334	7	.213	6
1002=1003	200=01	.559	6	30.3	-8.90	-2.77	0.00	-1.51	1.13	84.9	42.5	.427	6	.343	9
1002=1004	100=01	.159	6	0.0	.07	4.67	0.00	-.66	1.39	60.4	60.4	.149	8	.133	7
1002=1005	100=01	.154	7	0.0	-.80	-4.44	0.00	-.02	1.29	60.4	60.4	.154	6	.143	9
1003=1005	200=01	.504	8	0.0	-8.95	-3.79	0.00	-.34	-2.71	84.9	42.5	.462	6	.423	9
1004=1005	100=01	.113	6	0.0	-.72	-2.57	0.00	.41	.65	60.4	60.4	.105	6	.091	9
1004=1006	200=01	.674	7	30.3	-10.52	-3.59	0.00	1.10	2.44	84.9	42.4	.584	6	.472	9
1005=1006	200=01	.652	7	30.3	-9.97	-3.47	0.00	-.55	1.94	84.9	42.4	.596	6	.459	9

APPENDIX B.3

SAPCHK - Primary Joints

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

I N P U T D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
201	301	30,000	1,250	1	-0,00	36
201	303	12,750	,500	1	62,70	36
203	303	30,000	1,250	1	-0,00	36
203	306	12,750	,500	1	62,70	36
206	306	30,000	1,250	1	-0,00	36
206	301	12,750	,500	1	62,70	36
201	301	30,000	1,250	2	-0,00	36
206	301	12,750	,500	2	62,70	36
301	306	12,750	,500	1	90,00	36
301	401	30,000	1,250	1	-0,00	36
301	306	12,750	,750	1	90,00	36
203	303	30,000	1,500	2	-0,00	36
201	303	12,750	1,000	2	62,70	36
301	303	12,750	,750	2	90,00	36
303	403	30,000	1,250	1	-0,00	36
301	303	12,750	,500	2	90,00	36
206	306	30,000	1,250	2	-0,00	36
203	306	12,750	,750	2	62,70	36
303	306	12,750	,750	2	90,00	36
306	406	30,000	1,250	1	-0,00	36
303	306	12,750	,750	2	90,00	36
401	501	48,000	1,750	2	-0,00	36
501	504	16,000	,750	1	81,82	36
501	502	16,000	,750	1	81,82	36
501	642	20,000	1,000	1	62,34	36
501	601	48,000	1,750	1	-0,00	36
501	504	16,000	,750	1	81,82	36
501	502	16,000	,750	1	81,82	36
501	642	20,000	1,000	1	62,34	36
403	503	48,000	1,750	2	-0,00	36
502	503	16,000	,750	2	81,82	36
503	505	16,000	,750	1	81,82	36
503	645	20,000	1,000	1	62,34	36
503	603	48,000	1,750	1	-0,00	36
502	503	16,000	,750	2	81,82	36
503	505	16,000	,750	1	81,82	36
503	645	20,000	1,000	1	62,34	36
406	506	48,000	1,750	2	-0,00	36
505	506	16,000	,750	2	81,82	36
504	506	16,000	,750	2	81,82	36
506	644	20,000	1,000	1	62,34	36
506	606	48,000	1,750	1	-0,00	36
505	506	16,000	,750	2	81,82	36
504	506	16,000	,750	2	81,82	36
506	644	20,000	1,000	1	62,34	36
651	701	47,000	1,500	2	-0,00	36
701	702	12,750	,375	1	81,82	36
644	701	20,000	,750	2	35,82	36
701	704	12,750	,375	1	81,82	36
701	806	20,000	,750	1	64,87	36
701	801	47,000	1,500	1	-0,00	36
701	702	12,750	,375	1	81,82	36

644	701	20,000	.750	2	35,82	36
701	704	12,750	.375	1	81,82	36
701	806	20,000	.750	1	64,87	36
653	703	47,000	1,500	2	-0,00	36
642	703	20,000	.750	2	45,98	36
702	703	12,750	.375	2	81,82	36
703	801	20,000	.750	1	64,87	36
703	705	12,750	.375	1	81,82	36
703	803	47,000	1,500	1	-0,00	36
642	703	20,000	.750	2	45,98	36
702	703	12,750	.375	2	81,82	36
703	801	20,000	.750	1	64,87	36
703	705	12,750	.375	1	81,82	36
706	806	47,000	1,500	1	-0,00	36
645	706	20,000	.750	2	45,98	36
705	706	12,750	.375	2	81,82	36
706	803	20,000	.750	1	64,87	36
704	706	12,750	.375	2	81,82	36
656	706	47,000	1,500	2	-0,00	36
645	706	20,000	.750	2	45,98	36
705	706	12,750	.375	2	81,82	36
706	803	20,000	.750	1	64,87	36
704	706	12,750	.375	2	81,82	36
701	801	47,000	1,500	2	-0,00	36
801	804	12,750	.375	1	81,82	36
703	801	20,000	.750	2	50,50	36
801	802	12,750	.375	1	81,82	36
801	903	20,000	.750	1	69,03	36
801	901	47,000	1,500	1	-0,00	36
801	804	12,750	.375	1	81,82	36
703	801	20,000	.750	2	50,50	36
801	802	12,750	.375	1	81,82	36
801	903	20,000	.750	1	69,03	36
703	803	47,000	1,500	2	-0,00	36
802	803	12,750	.375	2	81,82	36
706	803	20,000	.750	2	50,50	36
803	805	12,750	.375	1	81,82	36
803	906	20,000	.750	1	69,03	36
803	903	47,000	1,500	1	-0,00	36
802	803	12,750	.375	2	81,82	36
706	803	20,000	.750	2	50,50	36
803	805	12,750	.375	1	81,82	36
803	906	20,000	.750	1	69,03	36
706	806	47,000	1,500	2	-0,00	36
805	806	12,750	.375	2	81,82	36
701	806	20,000	.750	2	50,50	36
804	806	12,750	.375	2	81,82	36
806	901	20,000	.750	1	69,03	36
806	906	47,000	1,500	1	-0,00	36
805	806	12,750	.375	2	81,82	36
701	806	20,000	.750	2	50,50	36
804	806	12,750	.375	2	81,82	36
806	901	20,000	.750	1	69,03	36
801	901	47,000	1,375	2	-0,00	36
806	901	20,000	.625	2	52,67	36
901	902	14,000	.500	1	81,82	36
901	904	14,000	.500	1	81,82	36
901	1004	16,000	.750	1	51,98	36
901	1002	16,000	.750	1	51,98	36
901	1001	47,000	1,375	1	-0,00	36
806	901	20,000	.625	2	52,67	36
901	902	14,000	.500	1	81,82	36
901	904	14,000	.500	1	81,82	36
901	1004	16,000	.750	1	51,98	36
901	1002	16,000	.750	1	51,98	36
803	903	47,000	1,375	2	-0,00	36

801	903	20,000	.500	2	52,67	36
902	903	14,000	.500	2	81,82	36
903	905	14,000	.500	1	81,82	36
903	1005	16,000	.750	1	51,98	36
903	1002	16,000	.750	1	51,98	36
903	1003	47,000	1,375	1	-0,00	36
801	903	20,000	.500	2	52,67	36
902	903	14,000	.500	2	81,82	36
903	905	14,000	.500	1	81,82	36
903	1005	16,000	.750	1	51,98	36
903	1002	16,000	.750	1	51,98	36
806	906	47,000	1,375	2	-0,00	36
803	906	20,000	.625	2	52,67	36
905	906	14,000	.500	2	81,82	36
904	906	14,000	.500	2	81,82	36
906	1005	16,000	.750	1	51,98	36
906	1004	16,000	.750	1	51,98	36
906	1006	47,000	1,375	1	-0,00	36
803	906	20,000	.625	2	52,67	36
905	906	14,000	.500	2	81,82	36
904	906	14,000	.500	2	81,82	36
906	1005	16,000	.750	1	51,98	36
906	1004	16,000	.750	1	51,98	36
901	1001	46,000	1,250	2	-0,00	36
1001	1002	20,000	.625	1	81,82	36
1001	1004	20,000	.625	1	81,82	36
903	1003	46,000	1,250	2	-0,00	36
1002	1003	20,000	.625	2	81,82	36
1003	1005	20,000	.625	1	81,82	36
906	1006	46,000	1,250	2	-0,00	36
1004	1006	20,000	.625	2	81,81	36
1005	1006	20,000	.625	2	81,81	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1,275000E+01	5,000000E-01	1,924226E+01	5,671276E+01	3,600000E+01
2	1,275000E+01	7,500000E-01	2,827434E+01	8,014525E+01	3,600000E+01
3	1,275000E+01	1,000000E+00	3,691372E+01	1,006532E+02	3,600000E+01
4	1,600000E+01	7,500000E-01	3,593197E+01	1,308850E+02	3,600000E+01
5	2,000000E+01	1,000000E+00	5,969027E+01	2,700984E+02	3,600000E+01
6	1,275000E+01	3,750000E-01	1,457896E+01	4,381725E+01	3,600000E+01
7	2,000000E+01	7,500000E-01	4,535675E+01	2,104127E+02	3,600000E+01
8	2,000000E+01	7,550000E-01	4,564727E+01	2,116549E+02	3,600000E+01
9	2,000000E+01	6,250000E-01	3,804273E+01	1,786967E+02	3,600000E+01
10	1,400000E+01	5,000000E-01	2,120575E+01	6,910801E+01	3,600000E+01
11	2,000000E+01	5,000000E-01	3,063053E+01	1,456864E+02	3,600000E+01

LOAD CASE	LOAD FACTOR
6	1,330
7	1,330
8	1,330
9	1,330

END OF INFORMATION READ - FORCE

600 RECORDS TO BE SORTED

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-STRESS- AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201	301	201	6	30.00	1.250	.521	1.793		
			201 303	12.75	.500	.032	8.200	2.785	9.625
201	301	201	7	30.00	1.250	.570	1.828		
			201 303	12.75	.500	.317	12.144	4.213	9.625
201	301	201	8	30.00	1.250	.432	.273		
			201 303	12.75	.500	.241	2.783	1.020	9.625
201	301	201	9	30.00	1.250	.403	.420		
			201 303	12.75	.500	.122	1.800	.649	9.625
203	303	203	6	30.00	1.250	.056	2.044		
			203 306	12.75	.500	6.709	5.008	3.881	9.625
203	303	203	7	30.00	1.250	.019	2.278		
			203 306	12.75	.500	7.267	6.206	4.468	9.625
203	303	203	8	30.00	1.250	1.149	.514		
			203 306	12.75	.500	7.307	9.647	5.645	9.625
203	303	203	9	30.00	1.250	1.092	.409		
			203 306	12.75	.500	6.578	8.743	5.102	9.625
206	306	206	6	30.00	1.250	1.021	1.113		
			206 301	12.75	.500	6.254	6.961	4.393	9.625
206	306	206	7	30.00	1.250	1.214	1.524		
			206 301	12.75	.500	8.935	10.536	6.476	9.625
206	306	206	8	30.00	1.250	.182	2.720		
			206 301	12.75	.500	5.855	8.377	4.742	9.625
206	306	206	9	30.00	1.250	.018	3.232		
			206 301	12.75	.500	8.107	6.245	4.755	9.625
201	301	301	6	30.00	1.250	.558	11.527		
			206 301	12.75	.500	6.183	5.899	4.011	9.625
			301 306	12.75	.500	4.781	10.921	6.281	9.625

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR	
201	301	301	7		30.00	1.250	.606	15.531			
			206	301	12.75	.500	8.865	6.724	5.164	9.040	
			301	306	12.75	.500	5.683	8.815	5.799	9.040	
201	301	301	8		30.00	1.250	.468	10.799			
			206	301	12.75	.500	5.924	18.605	8.226	9.625	BRACE STRESS EXCEEDS 20 KSI
			301	306	12.75	.500	4.866	14.396	7.705	9.625	
201	301	301	9		30.00	1.250	.439	14.062			
			206	301	12.75	.500	8.179	6.079	4.722	9.314	
			301	306	12.75	.500	4.652	12.265	6.767	9.314	
301	401	301	6		30.00	1.250	1.238	11.627			
			301	306	12.75	.750	3.253	7.728	6.589	9.588	
301	401	301	7		30.00	1.250	.315	15.655			
			301	306	12.75	.750	3.868	6.238	6.063	9.068	
301	401	301	8		30.00	1.250	.034	11.896			
			301	306	12.75	.750	3.311	10.187	8.099	9.625	
301	401	301	9		30.00	1.250	1.017	15.259			
			301	306	12.75	.750	3.166	8.679	7.107	9.016	
203	303	303	6		30.00	1.500	.077	12.349			
			201	303	12.75	1.000	.053	14.734	8.339	11.003	
			301	303	12.75	.750	1.745	11.709	6.727	11.003	
203	303	303	7		30.00	1.500	.046	13.433			
			201	303	12.75	1.000	.130	15.791	8.977	10.842	
			301	303	12.75	.750	.337	12.099	6.218	10.842	
203	303	303	8		30.00	1.500	.997	12.418			
			201	303	12.75	1.000	.089	6.455	3.689	10.855	
			301	303	12.75	.750	1.810	11.714	6.762	10.855	
203	303	303	9		30.00	1.500	.948	11.755			
			201	303	12.75	1.000	.027	4.713	2.673	10.991	
			301	303	12.75	.750	.256	10.697	5.477	10.991	
303	403	303	6		30.00	1.250	.263	14.107			
			301	303	12.75	.500	2.565	16.546	7.644	9.336	

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
303	403	303	7	30.00	1.250	.147	15.237		
			301 303	12.75	.500	.496	17.098	7.037	9.166
303	403	303	8	30.00	1.250	1.230	14.968		
			301 303	12.75	.500	2.659	16.554	7.685	9.029
303	403	303	9	30.00	1.250	1.209	14.270		
			301 303	12.75	.500	.377	15.117	6.198	9.150
206	306	306	6	30.00	1.250	1.057	14.027		
			203 306	12.75	.750	4.613	4.658	4.619	9.216
			303 306	12.75	.750	2.848	7.645	6.296	9.216
206	306	306	7	30.00	1.250	1.250	17.429		
			203 306	12.75	.750	4.993	6.110	5.542	8.614
			303 306	12.75	.750	2.244	10.630	7.725	8.614
206	306	306	8	30.00	1.250	.218	15.556		
			203 306	12.75	.750	4.924	7.610	6.269	9.101
			303 306	12.75	.750	3.024	5.712	5.241	9.101
206	306	306	9	30.00	1.250	.054	17.608		
			203 306	12.75	.750	4.429	10.690	7.591	8.784
			303 306	12.75	.750	2.161	8.705	6.531	8.784
306	406	306	6	30.00	1.250	1.637	15.557		
			303 306	12.75	.750	2.848	7.645	6.296	8.863
306	406	306	7	30.00	1.250	1.920	19.365		
			303 306	12.75	.750	2.244	10.630	7.725	8.177
306	406	306	8	30.00	1.250	.201	15.567		
			303 306	12.75	.750	3.024	5.712	5.241	9.101
306	406	306	9	30.00	1.250	.311	17.619		
			303 306	12.75	.750	2.161	8.705	6.531	8.739
401	501	501	6	48.00	1.750	.172	9.003		
			501 504	16.00	.750	7.520	8.615	6.606	8.733
			501 502	16.00	.750	1.455	7.582	3.682	8.733
			501 642	20.00	1.000	4.434	5.124	4.527	8.733

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
401	501	501	7		48.00	1.750	4.167	6.269		
			501	504	16.00	.750	8.742	9.637	7.527	8.733
			501	502	16.00	.750	3.700	4.632	3.410	8.733
			501	642	20.00	1.000	.189	6.173	3.066	8.733
401	501	501	8		48.00	1.750	.724	8.618		
			501	504	16.00	.750	6.939	9.699	6.807	8.733
			501	502	16.00	.750	.533	6.408	2.824	8.733
			501	642	20.00	1.000	4.240	4.495	4.134	8.733
401	501	501	9		48.00	1.750	4.763	7.721		
			501	504	16.00	.750	8.082	10.714	7.692	8.733
			501	502	16.00	.750	4.931	4.233	3.756	8.733
			501	642	20.00	1.000	.187	6.311	3.132	8.733
501	601	501	6		48.00	1.750	.868	8.097		
			501	504	16.00	.750	7.520	8.615	6.606	8.733
			501	502	16.00	.750	1.455	7.582	3.682	8.733
			501	642	20.00	1.000	4.434	5.124	4.527	8.733
501	601	501	7		48.00	1.750	4.089	7.457		
			501	504	16.00	.750	8.742	9.637	7.527	8.733
			501	502	16.00	.750	3.700	4.632	3.410	8.733
			501	642	20.00	1.000	.189	6.173	3.066	8.733
501	601	501	8		48.00	1.750	1.298	7.771		
			501	504	16.00	.750	6.939	9.699	6.807	8.733
			501	502	16.00	.750	.533	6.408	2.824	8.733
			501	642	20.00	1.000	4.240	4.495	4.134	8.733
501	601	501	9		48.00	1.750	4.530	6.947		
			501	504	16.00	.750	8.082	10.714	7.692	8.733
			501	502	16.00	.750	4.931	4.233	3.756	8.733
			501	642	20.00	1.000	.187	6.311	3.132	8.733
403	503	503	6		48.00	1.750	6.919	6.001		
			502	503	16.00	.750	.853	3.740	1.872	8.691
			503	505	16.00	.750	5.059	7.073	4.963	8.691
			503	645	20.00	1.000	9.357	5.571	7.024	8.691
403	503	503	7		48.00	1.750	4.341	8.641		
			502	503	16.00	.750	3.844	2.857	2.749	8.681
			503	505	16.00	.750	3.759	7.782	4.715	8.681
			503	645	20.00	1.000	9.289	5.746	7.077	8.681

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
403	503	503	8		48.00	1.750	7.408	6.330		
			502	503	16.00	.750	.069	5.114	2.107	8.566
			503	505	16.00	.750	5.619	9.179	6.051	8.566
			503	645	20.00	1.000	9.751	6.762	7.781	8.566
403	503	503	9		48.00	1.750	4.672	8.432		
			502	503	16.00	.750	5.055	2.863	3.251	8.663
			503	505	16.00	.750	4.086	9.142	5.403	8.663
			503	645	20.00	1.000	9.040	6.604	7.376	8.663
503	603	503	6		48.00	1.750	5.472	5.419		
			502	503	16.00	.750	.853	3.740	1.872	8.733
			503	505	16.00	.750	5.059	7.073	4.963	8.733
			503	645	20.00	1.000	9.357	5.571	7.024	8.733
503	603	503	7		48.00	1.750	2.983	7.751		
			502	503	16.00	.750	3.844	2.857	2.749	8.733
			503	505	16.00	.750	3.759	7.782	4.715	8.733
			503	645	20.00	1.000	9.289	5.746	7.077	8.733
503	603	503	8		48.00	1.750	5.802	5.578		
			502	503	16.00	.750	.069	5.114	2.107	8.733
			503	505	16.00	.750	5.619	9.179	6.051	8.733
			503	645	20.00	1.000	9.751	6.762	7.781	8.733
503	603	503	9		48.00	1.750	3.233	7.471		
			502	503	16.00	.750	5.055	2.863	3.251	8.733
			503	505	16.00	.750	4.086	9.142	5.403	8.733
			503	645	20.00	1.000	9.040	6.604	7.376	8.733
406	506	506	6		48.00	1.750	7.881	4.196		
			505	506	16.00	.750	4.252	9.914	5.785	8.733
			504	506	16.00	.750	7.810	7.827	6.406	8.733
			506	644	20.00	1.000	6.540	6.918	6.368	8.733
406	506	506	7		48.00	1.750	9.208	5.125		
			505	506	16.00	.750	2.963	9.905	5.249	8.476
			504	506	16.00	.750	9.388	9.781	7.852	8.476
			506	644	20.00	1.000	9.424	7.087	7.786	8.476
406	506	506	8		48.00	1.750	7.494	4.438		
			505	506	16.00	.750	4.810	8.807	5.565	8.733
			504	506	16.00	.750	7.218	6.262	5.525	8.733
			506	644	20.00	1.000	6.541	6.163	6.004	8.733

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSUR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLH STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
406	506	506	9	48,00	1,750	8,714	4,962		
			505 506	16,00	,750	3,309	7,972	4,607	8,576
			504 506	16,00	,750	8,716	7,879	6,802	8,576
			506 644	20,00	1,000	9,244	6,162	7,257	8,576
506	606	506	6	48,00	1,750	6,985	2,995		
			505 506	16,00	,750	4,252	9,914	5,785	8,733
			504 506	16,00	,750	7,810	7,827	6,406	8,733
			506 644	20,00	1,000	6,540	6,918	6,368	8,733
506	606	506	7	48,00	1,750	7,911	3,737		
			505 506	16,00	,750	2,963	9,905	5,249	8,733
			504 506	16,00	,750	9,388	9,781	7,852	8,733
			506 644	20,00	1,000	9,424	7,087	7,786	8,733
506	606	506	8	48,00	1,750	6,665	3,446		
			505 506	16,00	,750	4,810	8,807	5,565	8,733
			504 506	16,00	,750	7,218	6,262	5,525	8,733
			506 644	20,00	1,000	6,541	6,163	6,004	8,733
506	606	506	9	48,00	1,750	7,501	3,828		
			505 506	16,00	,750	3,309	7,972	4,607	8,733
			504 506	16,00	,750	8,716	7,879	6,802	8,733
			506 644	20,00	1,000	9,244	6,162	7,257	8,733
651	701	701	6	47,00	1,500	1,181	,918		
			701 702	12,75	,375	4,145	3,732	1,883	7,930
			644 701	20,00	,750	8,612	4,772	2,901	7,930
			701 704	12,75	,375	2,607	2,493	1,219	7,930
			701 806	20,00	,750	6,319	4,522	4,576	7,930
651	701	701	7	47,00	1,500	5,205	,225		
			701 702	12,75	,375	3,358	2,930	1,504	7,930
			644 701	20,00	,750	12,407	3,395	3,353	7,930
			701 704	12,75	,375	,506	1,535	,486	7,930
			701 806	20,00	,750	10,167	4,408	6,134	7,930
651	701	701	8	47,00	1,500	1,474	,932		
			701 702	12,75	,375	4,535	2,309	1,640	7,930
			644 701	20,00	,750	8,602	4,750	2,894	7,930
			701 704	12,75	,375	1,960	3,586	1,322	7,930
			701 806	20,00	,750	6,164	4,982	4,708	7,930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
651	701	701	9	47.00	1.500	5.518	.202		
			701 702	12.75	.375	4.184	2.943	1.706	7.930
			644 701	20.00	.750	12.162	3.217	3.261	7.930
			701 704	12.75	.375	.525	3.970	1.068	7.930
			701 806	20.00	.750	10.184	5.637	6.668	7.930
701	801	701	6	47.00	1.500	.640	.799		
			701 702	12.75	.375	4.145	3.732	1.883	7.930
			644 701	20.00	.750	8.612	4.772	2.901	7.930
			701 704	12.75	.375	2.607	2.493	1.219	7.930
			701 806	20.00	.750	6.319	4.522	4.576	7.930
701	801	701	7	47.00	1.500	2.463	.311		
			701 702	12.75	.375	3.358	2.930	1.504	7.930
			644 701	20.00	.750	12.407	3.395	3.353	7.930
			701 704	12.75	.375	.506	1.535	.486	7.930
			701 806	20.00	.750	10.167	4.408	6.134	7.930
701	801	701	8	47.00	1.500	.389	.848		
			701 702	12.75	.375	4.535	2.309	1.640	7.930
			644 701	20.00	.750	8.602	4.750	2.894	7.930
			701 704	12.75	.375	1.960	3.586	1.322	7.930
			701 806	20.00	.750	6.164	4.982	4.708	7.930
701	801	701	9	47.00	1.500	2.757	.364		
			701 702	12.75	.375	4.184	2.943	1.706	7.930
			644 701	20.00	.750	12.162	3.217	3.261	7.930
			701 704	12.75	.375	.525	3.970	1.068	7.930
			701 806	20.00	.750	10.184	5.637	6.668	7.930
653	703	703	6	47.00	1.500	6.960	1.697		
			642 703	20.00	.750	5.842	7.207	3.966	7.930
			702 703	12.75	.375	4.878	3.139	1.919	7.930
			703 801	20.00	.750	5.737	8.178	5.898	7.930
			703 705	12.75	.375	.984	2.448	.817	7.930
653	703	703	7	47.00	1.500	3.863	1.449		
			642 703	20.00	.750	.255	6.580	2.149	7.930
			702 703	12.75	.375	3.327	2.194	1.322	7.930
			703 801	20.00	.750	.327	6.693	3.003	7.930
			703 705	12.75	.375	1.549	2.603	.990	7.930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLM STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
653	703	703	8		47.00	1.500	7.062	1.546		
			642	703	20.00	.750	5.575	7.027	3.832	7.930
			702	703	12.75	.375	5.271	4.485	2.333	7.930
			703	801	20.00	.750	5.501	8.731	6.037	7.930
			703	705	12.75	.375	1.018	4.778	1.378	7.930
653	703	703	9		47.00	1.500	3.870	1.295		
			642	703	20.00	.750	.250	6.420	2.097	7.930
			702	703	12.75	.375	4.148	2.411	1.571	7.930
			703	801	20.00	.750	.144	6.855	2.996	7.930
			703	705	12.75	.375	1.684	4.543	1.483	7.930
703	803	703	6		47.00	1.500	5.561	1.473		
			642	703	20.00	.750	5.842	7.207	3.966	7.930
			702	703	12.75	.375	4.878	3.139	1.919	7.930
			703	801	20.00	.750	5.737	8.178	5.898	7.930
			703	705	12.75	.375	.984	2.448	.817	7.930
703	803	703	7		47.00	1.500	3.790	1.204		
			642	703	20.00	.750	.255	6.580	2.149	7.930
			702	703	12.75	.375	3.327	2.194	1.328	7.930
			703	801	20.00	.750	.327	6.693	3.003	7.930
			703	705	12.75	.375	1.549	2.603	.990	7.930
703	803	703	8		47.00	1.500	5.673	1.419		
			642	703	20.00	.750	5.575	7.027	3.832	7.930
			702	703	12.75	.375	5.271	4.485	2.333	7.930
			703	801	20.00	.750	5.501	8.731	6.037	7.930
			703	705	12.75	.375	1.018	4.778	1.378	7.930
703	803	703	9		47.00	1.500	3.862	1.189		
			642	703	20.00	.750	.250	6.420	2.097	7.930
			702	703	12.75	.375	4.148	2.411	1.571	7.930
			703	801	20.00	.750	.144	6.855	2.996	7.930
			703	705	12.75	.375	1.684	4.543	1.483	7.930
706	806	706	6		47.00	1.500	5.338	.736		
			645	706	20.00	.750	12.308	.927	3.861	7.930
			705	706	12.75	.375	2.445	4.433	1.640	7.930
			706	803	20.00	.750	11.180	6.269	7.354	7.930
			704	706	12.75	.375	3.374	4.294	1.831	7.930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-STRESS- AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
706	806	706	7	47.00	1.500	6.521	1.209		
			645 706	20.00	.750	12.218	3.887	4.768	7.930
			705 706	12.75	.375	2.810	4.648	1.779	7.930
			706 803	20.00	.750	10.442	7.574	7.605	7.930
			704 706	12.75	.375	1.792	5.249	1.676	7.930
706	806	706	8	47.00	1.500	5.044	.723		
			645 706	20.00	.750	12.838	2.053	4.369	7.930
			705 706	12.75	.375	2.475	2.269	1.134	7.930
			706 803	20.00	.750	11.026	4.985	6.740	7.930
			704 706	12.75	.375	2.716	3.441	1.470	7.930
706	806	706	9	47.00	1.500	6.249	1.178		
			645 706	20.00	.750	11.902	4.302	4.807	7.930
			705 706	12.75	.375	2.919	2.521	1.301	7.930
			706 803	20.00	.750	10.149	6.634	7.080	7.930
			704 706	12.75	.375	1.788	3.819	1.336	7.930
656	706	706	6	47.00	1.500	8.234	.570		
			645 706	20.00	.750	12.308	.927	3.861	7.930
			705 706	12.75	.375	2.445	4.433	1.640	7.930
			706 803	20.00	.750	11.180	6.269	7.358	7.930
			704 706	12.75	.375	3.374	4.294	1.831	7.930
656	706	706	7	47.00	1.500	9.333	1.195		
			645 706	20.00	.750	12.218	3.887	4.768	7.930
			705 706	12.75	.375	2.810	4.648	1.779	7.930
			706 803	20.00	.750	10.442	7.574	7.605	7.930
			704 706	12.75	.375	1.792	5.249	1.676	7.930
656	706	706	8	47.00	1.500	7.954	.599		
			645 706	20.00	.750	12.838	2.053	4.369	7.930
			705 706	12.75	.375	2.475	2.269	1.134	7.930
			706 803	20.00	.750	11.026	4.985	6.740	7.930
			704 706	12.75	.375	2.716	3.441	1.470	7.930
656	706	706	9	47.00	1.500	8.946	1.237		
			645 706	20.00	.750	11.902	4.302	4.807	7.930
			705 706	12.75	.375	2.919	2.521	1.301	7.930
			706 803	20.00	.750	10.149	6.634	7.080	7.930
			704 706	12.75	.375	1.788	3.819	1.336	7.930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLM STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
701	801	801	6		47.00	1.500	.615	.765		
			801	804	12.75	.375	4.399	2.841	1.733	7.930
			703	801	20.00	.750	5.731	3.525	3.056	7.930
			801	802	12.75	.375	1.108	4.232	1.270	7.930
			801	903	20.00	.750	5.047	4.057	3.982	7.930
701	801	801	7		47.00	1.500	2.488	.877		
			801	804	12.75	.375	3.709	2.704	1.535	7.930
			703	801	20.00	.750	.321	6.338	2.272	7.930
			801	802	12.75	.375	3.056	1.884	1.183	7.930
			801	903	20.00	.750	.116	5.368	2.405	7.930
701	801	801	8		47.00	1.500	.414	.738		
			801	804	12.75	.375	3.858	4.236	1.934	7.930
			703	801	20.00	.750	5.506	3.797	3.077	7.930
			801	802	12.75	.375	1.510	2.659	.994	7.930
			801	903	20.00	.750	4.963	3.730	3.802	7.930
701	801	801	9		47.00	1.500	2.731	.756		
			801	804	12.75	.375	3.750	4.954	2.078	7.930
			703	801	20.00	.750	.138	6.416	2.240	7.930
			801	802	12.75	.375	3.712	2.059	1.382	7.930
			801	903	20.00	.750	.218	5.851	2.662	7.930
801	901	801	6		47.00	1.500	.602	.929		
			801	804	12.75	.375	4.399	2.841	1.733	7.930
			703	801	20.00	.750	5.731	3.525	3.056	7.930
			801	802	12.75	.375	1.108	4.232	1.270	7.930
			801	903	20.00	.750	5.047	4.057	3.982	7.930
801	901	801	7		47.00	1.500	2.540	.820		
			801	804	12.75	.375	3.709	2.704	1.535	7.930
			703	801	20.00	.750	.321	6.338	2.272	7.930
			801	802	12.75	.375	3.056	1.884	1.183	7.930
			801	903	20.00	.750	.116	5.368	2.405	7.930
801	901	801	8		47.00	1.500	.720	.751		
			801	804	12.75	.375	3.858	4.236	1.934	7.930
			703	801	20.00	.750	5.506	3.797	3.077	7.930
			801	802	12.75	.375	1.510	2.659	.994	7.930
			801	903	20.00	.750	4.963	3.730	3.802	7.930

SAPCHK = CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR = S.NAVY 27-771-01 93 FT MLM STNUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/= =S T R E S S = =/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
801	901	801	9		47.00	1.500	2,671	.600		
			801	804	12.75	.375	3.750	4.954	2,078	7,930
			703	801	20.00	.750	.138	6.416	2,240	7,930
			801	802	12.75	.375	3.712	2,059	1,382	7,930
			801	903	20.00	.750	.218	5.851	2,662	7,930
703	803	803	6		47.00	1.500	5,586	.408		
			802	803	12.75	.375	1,759	3,904	1,349	7,930
			706	803	20.00	.755	11.114	1,858	4,252	7,930
			803	805	12.75	.375	3,697	1,434	1,231	7,930
			803	906	20.00	.755	10,338	5,406	6,928	7,930
703	803	803	7		47.00	1.500	3,816	.776		
			802	803	12.75	.375	3,074	2,117	1,242	7,930
			706	803	20.00	.755	10,382	2,299	4,166	7,930
			803	805	12.75	.375	1,371	2,342	.886	7,930
			803	906	20.00	.755	9,383	4,726	6,209	7,930
703	803	803	8		47.00	1.500	5,647	.266		
			802	803	12.75	.375	2,159	4,787	1,655	7,930
			706	803	20.00	.755	10,949	.944	3,884	7,930
			803	805	12.75	.375	3,229	5,233	2,018	7,930
			803	906	20.00	.755	10,272	6,294	7,292	7,930
703	803	803	9		47.00	1.500	3,836	.660		
			802	803	12.75	.375	3,727	1,887	1,345	7,930
			706	803	20.00	.755	10,075	1,911	3,933	7,930
			803	805	12.75	.375	1,284	5,028	1,501	7,930
			803	906	20.00	.755	9,219	5,554	6,502	7,930
803	903	803	6		47.00	1.500	3,218	.730		
			802	803	12.75	.375	1,759	3,904	1,349	7,930
			706	803	20.00	.750	11,185	1,869	4,251	7,930
			803	805	12.75	.375	3,697	1,434	1,231	7,930
			803	906	20.00	.750	10,404	5,438	6,925	7,930
803	903	803	7		47.00	1.500	1,637	.967		
			802	803	12.75	.375	3,074	2,117	1,242	7,930
			706	803	20.00	.750	10,448	2,313	4,165	7,930
			803	805	12.75	.375	1,371	2,342	.886	7,930
			803	906	20.00	.750	9,443	4,754	6,206	7,930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
803	903	803	8		47.00	1.500	3.271	.670		
			802	803	12.75	.375	2.159	4.787	1.655	7.930
			706	803	20.00	.750	11.019	.949	3.882	7.930
			803	805	12.75	.375	3.229	5.233	2.018	7.930
			803	906	20.00	.750	10.338	6.331	7.289	7.930
803	903	803	9		47.00	1.500	1.671	.977		
			802	803	12.75	.375	3.727	1.687	1.345	7.930
			706	803	20.00	.750	10.139	1.923	3.931	7.930
			803	805	12.75	.375	1.284	5.028	1.501	7.930
			803	906	20.00	.750	9.278	5.587	6.499	7.930
706	806	806	6		47.00	1.500	5.313	.471		
			805	806	12.75	.375	2.491	5.388	1.878	7.930
			701	806	20.00	.750	6.311	6.976	4.425	7.930
			804	806	12.75	.375	4.991	4.132	2.182	7.930
			806	901	20.00	.750	5.860	7.529	5.860	7.930
706	806	806	7		47.00	1.500	6.496	.130		
			805	806	12.75	.375	.324	5.219	1.31	7.930
			701	806	20.00	.750	10.163	4.275	4.74	7.930
			804	806	12.75	.375	4.738	5.111	2.35	7.930
			806	901	20.00	.750	9.502	7.053	7.240	7.930
706	806	806	8		47.00	1.500	5.069	.510		
			805	806	12.75	.375	2.034	2.918	1.182	7.930
			701	806	20.00	.750	6.170	6.777	4.311	7.930
			804	806	12.75	.375	4.434	2.097	1.565	7.930
			806	901	20.00	.750	5.860	6.622	5.462	7.930
706	806	806	9		47.00	1.500	6.274	.230		
			805	806	12.75	.375	.244	3.351	.853	7.930
			701	806	20.00	.750	10.191	4.482	4.824	7.930
			804	806	12.75	.375	4.771	2.471	1.735	7.930
			806	901	20.00	.750	9.459	6.200	6.847	7.930
806	906	806	6		47.00	1.500	3.950	.384		
			805	806	12.75	.375	2.491	5.388	1.878	7.930
			701	806	20.00	.750	6.311	6.976	4.425	7.930
			804	806	12.75	.375	4.991	4.132	2.182	7.930
			806	901	20.00	.750	5.860	7.529	5.860	7.930

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	806	7	47.00	1.500	4.310	.490		
			805 806	12.75	.375	.324	5.219	1.316	7.930
			701 806	20.00	.750	10.163	4.275	4.744	7.930
			804 806	12.75	.375	4.738	5.111	2.353	7.930
			806 901	20.00	.750	9.502	7.053	7.240	7.930
806	906	806	8	47.00	1.500	3.762	.342		
			805 806	12.75	.375	2.034	2.918	1.182	7.930
			701 806	20.00	.750	6.170	6.777	4.311	7.930
			804 806	12.75	.375	4.434	2.097	1.565	7.930
			806 901	20.00	.750	5.860	6.622	5.462	7.930
806	906	806	9	47.00	1.500	4.120	.517		
			805 806	12.75	.375	.244	3.351	.853	7.930
			701 806	20.00	.750	10.191	4.482	4.824	7.930
			804 806	12.75	.375	4.771	2.471	1.735	7.930
			806 901	20.00	.750	9.459	6.200	6.847	7.930
801	901	901	6	47.00	1.375	.684	1.126		
			806 901	20.00	.625	6.993	4.786	3.706	7.447
			901 902	14.00	.500	5.506	3.603	3.171	7.447
			901 904	14.00	.500	3.239	2.997	2.168	7.447
			901 1004	16.00	.750	7.139	1.525	3.108	7.447
			901 1002	16.00	.750	6.719	2.155	3.274	7.447
801	901	901	7	47.00	1.375	2.792	.689		
			806 901	20.00	.625	11.358	2.958	4.452	7.447
			901 902	14.00	.500	1.959	1.003	1.032	7.447
			901 904	14.00	.500	6.133	2.585	3.040	7.447
			901 1004	16.00	.750	12.028	2.129	5.197	7.447
			901 1002	16.00	.750	.262	1.838	.801	7.447
801	901	901	8	47.00	1.375	.754	1.004		
			806 901	20.00	.625	6.981	4.829	3.716	7.447
			901 902	14.00	.500	5.019	2.477	2.613	7.447
			901 904	14.00	.500	2.891	3.231	2.127	7.447
			901 1004	16.00	.750	6.868	1.678	3.152	7.447
			901 1002	16.00	.750	6.597	1.849	3.112	7.447
801	901	901	9	47.00	1.375	2.878	.599		
			806 901	20.00	.625	11.270	3.027	4.453	7.447
			901 902	14.00	.500	1.106	1.444	.885	7.447
			901 904	14.00	.500	6.450	3.893	3.596	7.447
			901 1004	16.00	.750	11.868	2.419	5.250	7.447
			901 1002	16.00	.750	.002	2.058	.791	7.447

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLH STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
901	1001	901	6	47,00	1,375	,016	1,098		
			806 901	20,00	,625	6,993	4,786	3,706	7,447
			901 902	14,00	,500	5,506	3,603	3,171	7,447
			901 904	14,00	,500	3,239	2,997	2,168	7,447
			901 1004	16,00	,750	7,139	1,325	3,108	7,447
			901 1002	16,00	,750	6,719	2,155	3,274	7,447
901	1001	901	7	47,00	1,375	,297	,733		
			806 901	20,00	,625	11,338	2,958	4,452	7,447
			901 902	14,00	,500	1,959	1,003	1,032	7,447
			901 904	14,00	,500	6,133	2,585	3,040	7,447
			901 1004	16,00	,750	12,028	2,129	5,197	7,447
			901 1002	16,00	,750	,262	1,638	,801	7,447
901	1001	901	8	47,00	1,375	,028	1,036		
			806 901	20,00	,625	6,981	4,629	3,716	7,447
			901 902	14,00	,500	5,019	2,477	2,613	7,447
			901 904	14,00	,500	2,891	3,231	2,127	7,447
			901 1004	16,00	,750	6,868	1,678	3,158	7,447
			901 1002	16,00	,750	6,597	1,849	3,11_	7,447
901	1001	901	9	47,00	1,375	,343	,735		
			806 901	20,00	,625	11,270	3,027	4,453	7,447
			901 902	14,00	,500	1,106	1,444	,885	7,447
			901 904	14,00	,500	6,430	3,893	3,596	7,447
			901 1004	16,00	,750	11,868	2,419	5,250	7,447
			901 1002	16,00	,750	,002	2,058	,791	7,447
803	903	903	6	47,00	1,375	3,530	1,060		
			801 903	20,00	,500	7,490	11,275	4,771	7,447
			902 903	14,00	,500	5,077	4,047	3,174	7,447
			903 905	14,00	,500	8,426	1,735	3,551	7,447
			903 1005	16,00	,750	13,544	3,866	6,416	7,447
			903 1002	16,00	,750	6,774	3,692	3,884	7,447
803	903	903	7	47,00	1,375	1,809	1,229		
			801 903	20,00	,500	,165	9,545	2,517	7,447
			902 903	14,00	,500	1,923	1,082	1,047	7,447
			903 905	14,00	,500	7,953	1,620	3,345	7,447
			903 1005	16,00	,750	12,206	3,412	5,755	7,447
			903 1002	16,00	,750	,299	2,599	1,107	7,447

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
803	903	903	8	47.00	1.375	3.530	1.147		
			801 903	20.00	.500	7.335	11.032	4.670	7.447
			902 903	14.00	.500	4.594	4.392	3.124	7.447
			903 905	14.00	.500	7.739	3.818	4.028	7.447
			903 1005	16.00	.750	13.268	4.063	6.391	7.447
			903 1002	16.00	.750	6.663	3.690	3.843	7.447
803	903	903	9	47.00	1.375	1.789	1.358		
			801 903	20.00	.500	.334	9.552	2.560	7.447
			902 903	14.00	.500	1.074	1.570	.918	7.447
			903 905	14.00	.500	7.588	3.659	3.920	7.447
			903 1005	16.00	.750	11.859	3.613	5.705	7.447
			903 1002	16.00	.750	.036	2.529	.984	7.447
903	1003	903	6	47.00	1.375	.499	1.246		
			801 903	20.00	.500	7.490	11.275	4.771	7.447
			902 903	14.00	.500	5.077	4.047	3.174	7.447
			903 905	14.00	.500	8.426	1.735	3.551	7.447
			903 1005	16.00	.750	13.544	3.866	6.416	7.447
			903 1002	16.00	.750	6.774	3.692	3.88[illegible]	7.447
903	1003	903	7	47.00	1.375	.329	1.305		
			801 903	20.00	.500	.165	9.545	2.517	7.447
			902 903	14.00	.500	1.923	1.082	1.047	7.447
			903 905	14.00	.500	7.953	1.620	3.345	7.447
			903 1005	16.00	.750	12.206	3.412	5.755	7.447
			903 1002	16.00	.750	.299	2.599	1.107	7.447
903	1003	903	8	47.00	1.375	.532	1.324		
			801 903	20.00	.500	7.335	11.032	4.670	7.447
			902 903	14.00	.500	4.594	4.392	3.124	7.447
			903 905	14.00	.500	7.739	3.818	4.028	7.447
			903 1005	16.00	.750	13.268	4.063	6.391	7.447
			903 1002	16.00	.750	6.663	3.690	3.843	7.447
903	1003	903	9	47.00	1.375	.357	1.426		
			801 903	20.00	.500	.334	9.552	2.560	7.447
			902 903	14.00	.500	1.074	1.570	.918	7.447
			903 905	14.00	.500	7.588	3.659	3.920	7.447
			903 1005	16.00	.750	11.859	3.613	5.705	7.447
			903 1002	16.00	.750	.036	2.529	.984	7.447

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	906	6	47.00	1.375	4.269	.170		
			803 906	20.00	.625	12.393	.385	3.943	7.447
			905 906	14.00	.500	7.680	4.221	4.146	7.447
			904 906	14.00	.500	3.600	3.282	2.393	7.447
			906 1005	16.00	.750	13.602	2.695	5.987	7.447
			906 1004	16.00	.750	7.143	3.367	3.893	7.447
806	906	906	7	47.00	1.375	4.660	.794		
			803 906	20.00	.625	11.251	4.945	5.069	7.447
			905 906	14.00	.500	7.288	4.642	4.154	7.447
			904 906	14.00	.500	6.765	3.810	3.684	7.447
			906 1005	16.00	.750	12.272	3.011	5.624	7.447
			906 1004	16.00	.750	11.993	3.838	5.840	7.447
806	906	906	8	47.00	1.375	4.121	.425		
			803 906	20.00	.625	12.331	1.095	4.154	7.447
			905 906	14.00	.500	6.996	2.400	3.279	7.447
			904 906	14.00	.500	3.243	1.603	1.689	7.447
			906 1005	16.00	.750	13.318	2.369	5.759	7.447
			906 1004	16.00	.750	6.883	2.945	3.637	7.447
806	906	906	9	47.00	1.375	4.511	.822		
			803 906	20.00	.625	11.068	5.224	5.104	7.447
			905 906	14.00	.500	6.926	3.296	3.564	7.447
			904 906	14.00	.500	7.056	1.608	3.027	7.447
			906 1005	16.00	.750	11.919	2.850	5.434	7.447
			906 1004	16.00	.750	11.828	3.527	5.661	7.447
906	1006	906	6	47.00	1.375	.530	.471		
			803 906	20.00	.625	12.393	.385	3.943	7.447
			905 906	14.00	.500	7.680	4.221	4.146	7.447
			904 906	14.00	.500	3.600	3.282	2.393	7.447
			906 1005	16.00	.750	13.602	2.695	5.987	7.447
			906 1004	16.00	.750	7.143	3.367	3.893	7.447
906	1006	906	7	47.00	1.375	.595	.960		
			803 906	20.00	.625	11.251	4.945	5.069	7.447
			905 906	14.00	.500	7.288	4.642	4.154	7.447
			904 906	14.00	.500	6.765	3.810	3.684	7.447
			906 1005	16.00	.750	12.272	3.011	5.624	7.447
			906 1004	16.00	.750	11.993	3.838	5.840	7.447

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
906	1006	906	8	47.00	1.375	.474	.641		
			803 906	20.00	.625	12.331	1.095	4.154	7.447
			905 906	14.00	.500	6.996	2.400	3.279	7.447
			904 906	14.00	.500	3.243	1.603	1.689	7.447
			906 1005	16.00	.750	13.318	2.369	5.759	7.447
			906 1004	16.00	.750	6.883	2.945	3.637	7.447
906	1006	906	9	47.00	1.375	.544	1.008		
			803 906	20.00	.625	11.068	5.224	5.104	7.447
			905 906	14.00	.500	6.926	3.296	3.564	7.447
			904 906	14.00	.500	7.056	1.608	3.027	7.447
			906 1005	16.00	.750	11.919	2.850	5.434	7.447
			906 1004	16.00	.750	11.828	3.527	5.661	7.447
901	1001	1001	6	46.00	1.250	.014	.175		
			1001 1002	20.00	.625	.219	6.089	2.992	7.062
			1001 1004	20.00	.625	.358	6.339	3.178	7.062
901	1001	1001	7	46.00	1.250	.366	.353		
			1001 1002	20.00	.625	5.925	2.305	3.948	7.062
			1001 1004	20.00	.625	5.875	4.097	4.773	7.062
901	1001	1001	8	46.00	1.250	.001	.157		
			1001 1002	20.00	.625	.067	5.314	2.552	7.062
			1001 1004	20.00	.625	.043	5.496	2.627	7.062
901	1001	1001	9	46.00	1.250	.352	.327		
			1001 1002	20.00	.625	5.777	1.599	3.541	7.062
			1001 1004	20.00	.625	5.464	3.620	4.349	7.062
903	1003	1003	6	46.00	1.250	.592	.499		
			1002 1003	20.00	.625	9.360	3.200	6.027	7.062
			1003 1005	20.00	.625	9.569	4.069	6.539	7.062
903	1003	1003	7	46.00	1.250	.400	.326		
			1002 1003	20.00	.625	6.296	1.948	3.957	7.062
			1003 1005	20.00	.625	6.530	3.801	4.948	7.062
903	1003	1003	8	46.00	1.250	.564	.488		
			1002 1003	20.00	.625	8.904	2.774	5.605	7.062
			1003 1005	20.00	.625	8.947	3.790	6.107	7.062

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE - PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
903	1003	1003	9	46.00	1.250	.369	.297		
			1002 1003	20.00	.625	5.798	2.373	3.919	7.062
			1003 1005	20.00	.625	5.858	4.029	4.733	7.062
906	1006	1006	6	46.00	1.250	.563	.521		
			1004 1006	20.00	.625	9.275	3.306	6.036	7.062
			1005 1006	20.00	.625	8.738	3.943	6.079	7.062
906	1006	1006	7	46.00	1.250	.635	.593		
			1004 1006	20.00	.625	10.324	3.593	6.677	7.062
			1005 1006	20.00	.625	9.967	3.468	6.446	7.062
906	1006	1006	8	46.00	1.250	.564	.512		
			1004 1006	20.00	.625	9.257	2.610	5.697	7.062
			1005 1006	20.00	.625	8.988	3.569	6.022	7.062
906	1006	1006	9	46.00	1.250	.642	.576		
			1004 1006	20.00	.625	10.523	3.335	6.651	7.062
			1005 1006	20.00	.625	10.185	3.313	6.477	7.062

END OF JOINT CHECK

END OF RUN - SAPCHK

APPENDIX B.4

SAPACHK - Secondary Joints

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

INPUT DATA

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
501	502	16.000	.500	2	-0.00	36
502	504	10.750	.365	1	60.00	36
502	505	10.750	.365	1	60.00	36
503	505	16.000	.500	2	-0.00	36
502	505	10.750	.365	2	60.00	36
504	505	10.750	.365	2	60.00	36
504	506	16.000	.500	1	-0.00	36
502	504	10.750	.365	2	60.00	36
504	505	10.750	.365	1	60.00	36
701	702	12.750	.375	2	-0.00	36
702	704	10.750	.365	1	60.00	36
702	705	10.750	.365	1	60.00	36
703	705	12.750	.375	2	-0.00	36
702	705	10.750	.365	2	60.00	36
704	705	10.750	.365	2	60.00	36
704	706	12.750	.375	1	-0.00	36
702	704	10.750	.365	2	60.00	36
704	705	10.750	.365	1	60.00	36
801	802	12.750	.375	2	-0.00	36
802	805	10.750	.365	1	60.00	36
802	804	10.750	.365	1	60.00	36
803	805	12.750	.375	2	-0.00	36
802	805	10.750	.365	2	60.00	36
804	805	10.750	.365	2	60.00	36
804	806	12.750	.375	1	-0.00	36
802	804	10.750	.365	2	60.00	36
804	805	10.750	.365	1	60.00	36
901	902	14.000	.500	2	-0.00	36
902	904	10.750	.365	1	60.00	36
902	905	10.750	.365	1	60.00	36
901	904	14.000	.500	2	-0.00	36
902	904	10.750	.365	2	60.00	36
904	905	10.750	.365	1	60.00	36
905	906	14.000	.500	1	-0.00	36
902	905	10.750	.365	2	60.00	36
904	905	10.750	.365	2	60.00	36
1001	1002	24.000	.875	2	-0.00	36
901	1002	16.000	.750	2	46.20	36
1002	1004	14.000	.375	1	60.00	36
1002	1003	24.000	.875	1	-0.00	36
903	1002	16.000	.750	2	46.20	36
1002	1005	14.000	.375	1	60.00	36
1003	1005	24.000	.875	2	-0.00	36
903	1005	16.000	.750	2	46.20	36
1002	1005	14.000	.375	2	60.00	36
1005	1006	24.000	.875	1	-0.00	36
906	1005	16.000	.750	2	46.20	36
1004	1005	14.000	.375	2	60.00	36
1001	1004	24.000	.875	2	-0.00	36
901	1004	16.000	.750	2	46.20	36
1002	1004	14.000	.375	2	60.00	36
1004	1006	24.000	.875	1	-0.00	36

996	1004	16.000	.750	2	46.20	36
1004	1005	16.000	.375	1	60.00	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.075000E+01	3.650000E-01	1.190829E+01	2.990404E+01	3.600000E+01
2	1.600000E+01	7.500000E-01	3.593197E+01	1.308850E+02	3.600000E+01
3	1.400000E+01	3.750000E-01	1.605158E+01	5.325145E+01	3.600000E+01

LOAD CASE	LOAD FACTOR
6	1.330
7	1.330
8	1.330
9	1.330

END OF INFORMATION READ - FORCE

216 RECORDS TO BE SORTED

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-STRESS- AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
501	502	502	6	16.00	.500	2.148	5.842		
			502 504	10.75	.365	.541	6.150	4.052	7.914
			502 505	10.75	.365	2.263	9.652	7.172	7.914
501	502	502	7	16.00	.500	5.460	6.595		
			502 504	10.75	.365	.747	5.495	3.773	7.914
			502 505	10.75	.365	1.533	6.695	4.954	7.914
501	502	502	8	16.00	.500	.786	5.738		
			502 504	10.75	.365	.580	6.386	4.218	7.914
			502 505	10.75	.365	2.256	9.684	7.188	7.914
501	502	502	9	16.00	.500	7.277	6.568		
			502 504	10.75	.365	.747	5.789	3.950	7.748
			502 505	10.75	.365	1.447	6.648	4.876	7.748
503	505	505	6	16.00	.500	7.466	2.235		
			502 505	10.75	.365	2.264	2.321	2.713	7.914
			504 505	10.75	.365	1.632	5.297	4.160	7.914
503	505	505	7	16.00	.500	5.550	2.371		
			502 505	10.75	.365	1.535	4.608	3.68[illegible]	7.914
			504 505	10.75	.365	2.224	8.712	6.578	7.914
503	505	505	8	16.00	.500	8.292	2.457		
			502 505	10.75	.365	2.260	2.691	2.935	7.914
			504 505	10.75	.365	1.623	5.524	4.293	7.914
503	505	505	9	16.00	.500	6.033	2.738		
			502 505	10.75	.365	1.449	4.748	3.721	7.914
			504 505	10.75	.365	2.183	8.639	6.510	7.914
504	506	504	6	16.00	.500	11.527	5.926		
			502 504	10.75	.365	.541	5.861	2.660	7.251
			504 505	10.75	.365	1.632	6.021	4.600	7.251
504	506	504	7	16.00	.500	13.856	4.828		
			502 504	10.75	.365	.749	4.403	3.109	7.082
			504 505	10.75	.365	2.224	5.559	4.660	7.082

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLR STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
504	506	504	8		16.00	.500	10.651	5.669		
			502	504	10.75	.365	.580	3.446	2.430	7.407
			504	505	10.75	.365	1.623	5.300	4.157	7.407
504	506	504	9		16.00	.500	12.866	4.091		
			502	504	10.75	.365	.748	3.988	2.856	7.320
			504	505	10.75	.365	2.183	4.040	4.199	7.320
701	702	702	6		12.75	.375	4.145	7.696		
			702	704	10.75	.365	.027	.222	.201	8.880
			702	705	10.75	.365	1.235	5.072	5.060	8.880
701	702	702	7		12.75	.375	3.358	6.388		
			702	704	10.75	.365	.743	3.356	3.291	8.880
			702	705	10.75	.365	.677	3.018	2.967	8.880
701	702	702	8		12.75	.375	4.535	7.509		
			702	704	10.75	.365	.012	.819	.673	8.880
			702	705	10.75	.365	1.233	5.074	5.060	8.880
701	702	702	9		12.75	.375	4.184	6.160		
			702	704	10.75	.365	.736	3.488	3.390	8.880
			702	705	10.75	.365	.661	3.075	3.000	8.880
703	705	705	6		12.75	.375	.984	3.404		
			702	705	10.75	.365	1.238	5.948	4.151	8.880
			704	705	10.75	.365	1.251	5.838	4.072	8.880
703	705	705	7		12.75	.375	1.554	6.099		
			702	705	10.75	.365	.675	2.138	2.251	8.880
			704	705	10.75	.365	1.410	5.222	5.316	8.880
703	705	705	8		12.75	.375	1.018	3.642		
			702	705	10.75	.365	1.235	5.986	4.180	8.880
			704	705	10.75	.365	1.248	3.784	4.026	8.880
703	705	705	9		12.75	.375	1.683	6.291		
			702	705	10.75	.365	.659	2.124	2.228	8.880
			704	705	10.75	.365	1.403	5.103	5.214	8.880
704	706	704	6		12.75	.375	3.374	4.025		
			702	704	10.75	.365	.027	.865	.722	8.880
			704	705	10.75	.365	1.251	5.413	5.349	8.880

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSUR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
704	706	704	7		12.75	.375	1.787	2.080		
			702	704	10.75	.365	.742	2.066	2.246	8.880
			704	705	10.75	.365	1.410	5.564	5.431	8.880
704	706	704	8		12.75	.375	2.712	4.294		
			702	704	10.75	.365	.012	.132	.116	8.880
			704	705	10.75	.365	1.248	5.200	5.174	8.880
704	706	704	9		12.75	.375	1.790	1.863		
			702	704	10.75	.365	.735	1.924	2.124	8.880
			704	705	10.75	.365	1.403	5.197	5.290	8.880
801	802	802	6		12.75	.375	1.108	7.346		
			802	805	10.75	.365	1.056	5.501	5.272	8.880
			802	804	10.75	.365	.046	.276	.260	8.880
801	802	802	7		12.75	.375	3.056	6.635		
			802	805	10.75	.365	.610	3.247	3.101	8.880
			802	804	10.75	.365	.571	2.924	2.809	8.880
801	802	802	8		12.75	.375	1.510	7.361		
			802	805	10.75	.365	1.054	5.498	5.267	8.880
			802	804	10.75	.365	.043	.085	.751	8.880
801	802	802	9		12.75	.375	3.712	6.557		
			802	805	10.75	.365	.545	3.295	3.129	8.880
			802	804	10.75	.365	.502	3.178	3.008	8.880
803	805	805	6		12.75	.375	3.697	2.619		
			802	805	10.75	.365	1.054	3.445	3.602	8.880
			804	805	10.75	.365	1.014	3.679	3.923	8.880
803	805	805	7		12.75	.375	1.374	5.513		
			802	805	10.75	.365	.608	2.011	2.097	8.880
			804	805	10.75	.365	1.175	5.350	5.240	8.880
803	805	805	8		12.75	.375	3.229	2.797		
			802	805	10.75	.365	1.047	3.673	3.762	8.880
			804	805	10.75	.365	1.004	3.674	3.749	8.880
803	805	805	9		12.75	.375	1.287	5.633		
			802	805	10.75	.365	.594	2.003	2.080	8.880
			804	805	10.75	.365	1.166	5.358	5.240	8.880

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLA STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
804	806	804	6		12.75	.375	4.993	4.665		
			802	804	10.75	.365	.046	.743	.638	8.880
			804	805	10.75	.365	1.014	5.212	5.004	8.880
804	806	804	7		12.75	.375	4.739	2.189		
			802	804	10.75	.365	.570	1.495	2.055	8.880
			804	805	10.75	.365	1.175	5.048	4.945	8.880
804	806	804	8		12.75	.375	4.436	4.624		
			802	804	10.75	.365	.043	.285	.264	8.880
			804	805	10.75	.365	1.004	4.811	4.671	8.880
804	806	804	9		12.75	.375	4.771	2.084		
			802	804	10.75	.365	.501	1.094	1.966	8.880
			804	805	10.75	.365	1.186	4.922	4.886	8.880
901	902	902	6		14.00	.500	5.506	4.722		
			902	904	10.75	.365	.079	.770	.514	9.341
			902	905	10.75	.365	.994	6.250	4.374	9.341
901	902	902	7		14.00	.500	1.959	4.470		
			902	904	10.75	.365	.492	2.642	1.890	9.341
			902	905	10.75	.365	.604	3.632	2.556	9.341
901	902	902	8		14.00	.500	5.019	4.710		
			902	904	10.75	.365	.070	1.018	.659	9.341
			902	905	10.75	.365	.991	6.171	4.323	9.341
901	902	902	9		14.00	.500	1.106	4.440		
			902	904	10.75	.365	.487	2.943	2.070	9.341
			902	905	10.75	.365	.592	3.601	2.531	9.341
901	904	904	6		14.00	.500	3.239	5.514		
			902	904	10.75	.365	.079	.949	.623	9.341
			904	905	10.75	.365	.915	5.576	3.796	9.341
901	904	904	7		14.00	.500	6.124	4.569		
			902	904	10.75	.365	.491	2.306	1.685	9.341
			904	905	10.75	.365	1.088	5.114	3.736	9.341
901	904	904	8		14.00	.500	2.891	5.299		
			902	904	10.75	.365	.070	.562	.260	9.341
			904	905	10.75	.365	.910	4.696	3.502	9.341

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLR STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-STRESS- AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
901	904	904	9	14.00	.500	6.430	4.510		
			902 904	10.75	.365	.485	2.123	1.570	9.341
			904 905	10.75	.365	1.082	4.731	3.500	9.341
905	906	905	6	14.00	.500	7.660	2.883		
			902 905	10.75	.365	.997	3.162	2.496	9.341
			904 905	10.75	.365	.915	3.672	2.862	9.341
905	906	905	7	14.00	.500	7.286	1.203		
			902 905	10.75	.365	.603	2.170	1.667	9.341
			904 905	10.75	.365	1.088	5.672	4.198	9.341
905	906	905	8	14.00	.500	6.996	2.772		
			902 905	10.75	.365	.908	3.494	2.693	9.341
			904 905	10.75	.365	.910	3.843	2.861	9.341
905	906	905	9	14.00	.500	6.924	.908		
			902 905	10.75	.365	.591	2.292	1.734	9.341
			904 905	10.75	.365	1.082	5.776	4.136	9.341
1001	1002	1002	6	24.00	.875	.131	.873		
			901 1002	16.00	.750	6.707	2.786	4.863	8.816
			1002 1004	14.00	.375	.069	4.672	1.692	8.733
1001	1002	1002	7	24.00	.875	3.546	.528		
			901 1002	16.00	.750	.253	2.981	1.744	8.816
			1002 1004	14.00	.375	.397	3.664	1.443	8.733
1001	1002	1002	8	24.00	.875	.040	.850		
			901 1002	16.00	.750	6.610	2.594	4.710	8.816
			1002 1004	14.00	.375	.017	4.069	1.459	8.733
1001	1002	1002	9	24.00	.875	3.457	.581		
			901 1002	16.00	.750	.011	2.924	1.593	8.816
			1002 1004	14.00	.375	.451	3.185	1.289	8.733
1002	1003	1002	6	24.00	.875	5.602	.168		
			903 1002	16.00	.750	6.782	2.271	4.621	8.816
			1002 1005	14.00	.375	.774	3.820	1.626	8.733
1002	1003	1002	7	24.00	.875	3.768	.441		
			903 1002	16.00	.750	.308	2.254	1.377	8.816
			1002 1005	14.00	.375	.397	4.443	1.721	8.733

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLR STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-S T R E S S - AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1002	1003	1002	8	24.00	.875	5.328	.315		
			903 1002	16.00	.750	6.651	2.479	4.669	8.816
			1002 1005	14.00	.375	.758	5.250	1.417	8.733
1002	1003	1002	9	24.00	.875	3.470	.607		
			903 1002	16.00	.750	.026	2.206	1.211	8.816
			1002 1005	14.00	.375	.445	4.026	1.568	8.733
1003	1005	1005	6	24.00	.875	5.727	1.002		
			903 1005	16.00	.750	13.553	1.206	7.428	8.816
			1002 1005	14.00	.375	.777	1.496	.796	8.733
1003	1005	1005	7	24.00	.875	3.908	.972		
			903 1005	16.00	.750	12.216	1.677	7.014	8.816
			1002 1005	14.00	.375	.392	3.039	1.218	8.733
1003	1005	1005	8	24.00	.875	5.354	1.062		
			903 1005	16.00	.750	13.258	1.626	7.509	8.816
			1002 1005	14.00	.375	.756	1.766	.886	8.733
1003	1005	1005	9	24.00	.875	3.506	1.021		
			903 1005	16.00	.750	11.846	1.976	6.992	8.816
			1002 1005	14.00	.375	.450	3.499	1.402	8.733
1005	1006	1005	6	24.00	.875	5.229	.433		
			906 1005	16.00	.750	13.591	2.988	8.413	8.816
			1004 1005	14.00	.375	.741	1.647	.695	8.733
1005	1006	1005	7	24.00	.875	5.965	.413		
			906 1005	16.00	.750	12.264	2.914	7.710	8.816
			1004 1005	14.00	.375	.848	1.807	.753	8.733
1005	1006	1005	8	24.00	.875	5.379	.360		
			906 1005	16.00	.750	13.327	2.500	8.016	8.816
			1004 1005	14.00	.375	.723	.784	.524	8.733
1005	1006	1005	9	24.00	.875	6.096	.508		
			906 1005	16.00	.750	11.928	2.516	7.326	8.816
			1004 1005	14.00	.375	.865	1.702	.900	8.733
1001	1004	1004	6	24.00	.875	.214	1.014		
			901 1004	16.00	.750	7.150	2.223	4.780	8.816
			1002 1004	14.00	.375	.069	4.569	1.655	8.733

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1001	1004	1004	7	24.00	.875	3.516	.639		
			901 1004	16.00	.750	12.037	2.406	7.321	8.816
			1002 1004	14.00	.375	.392	3.004	1.205	8.733
1001	1004	1004	8	24.00	.875	.026	.830		
			901 1004	16.00	.750	6.879	2.453	4.768	8.816
			1002 1004	14.00	.375	.017	4.690	1.681	8.733
1001	1004	1004	9	24.00	.875	3.270	.578		
			901 1004	16.00	.750	11.855	2.756	7.420	8.816
			1002 1004	14.00	.375	.455	3.252	1.315	8.733
1004	1006	1004	6	24.00	.875	5.551	.574		
			906 1004	16.00	.750	7.133	2.700	5.029	8.816
			1004 1005	14.00	.375	.741	2.488	1.138	8.733
1004	1006	1004	7	24.00	.875	6.178	.945		
			906 1004	16.00	.750	11.984	2.107	7.132	8.816
			1004 1005	14.00	.375	.848	.876	.600	8.733
1004	1006	1004	8	24.00	.875	5.540	.482		
			906 1004	16.00	.750	6.892	2.604	4.857	8.816
			1004 1005	14.00	.375	.723	2.574	1.163	8.733
1004	1006	1004	9	24.00	.875	6.298	.852		
			906 1004	16.00	.750	11.836	1.845	6.916	8.816
			1004 1005	14.00	.375	.865	.664	.529	8.733

END OF JOINT CHECK

END OF RUN - SAPCHK

APPENDIX B.5

LIFT ANALYSIS

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MCDONNELL-ECI ICES EXECUTIVE SYSTEM

MAC REL. 2.3 - RELEASED 2/5/73
TIME=16.19.41, 8/23/76
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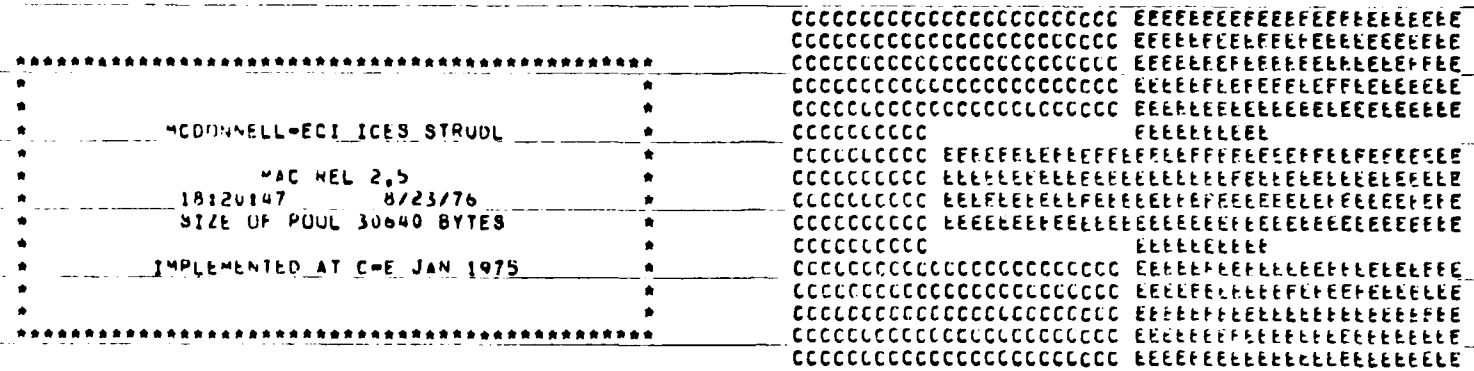
STRUDL 'ACMR' 'LIFTING ANALYSIS -- PLATFORM #2 -- U.S.NAVY'



TYPE SPACE FRAME

UNIT FT

JOINT COORDINATES

401	-54.94	14.75	0.
403	-57.03	0.	25.05
406	-54.94	-14.75	0.
501	-52.18	15.15	0.
502	-53.27	7.58	13.08
503	-54.36	0.	26.15
504	-52.18	0.	0.
505	-53.27	-7.58	13.08
506	-52.18	-15.15	0.
701	-26.09	18.76	0.
702	-27.53	9.38	16.19

703	-28,79	0,	32,37	S
704	-26,09	0,	0,	
705	-27,53	-9,38	16,19	
706	-26,09	-18,76	0,	
801	0,	22,51	0,	
802	-1,14	11,40	19,68	
803	-3,24	0,	36,86	
804	0,	0,	0,	
805	-1,62	-11,26	19,43	
806	0,	-22,51	0,	
901	27,09	26,41	0,	
902	25,19	13,21	22,79	
903	23,29	0,	45,58	S
904	27,09	0,	0,	
905	25,19	-13,21	22,79	
906	27,09	-26,41	0,	
1001	54,18	30,31	0,	
1002	52,01	15,16	26,16	
1003	49,83	0,	52,31	
1004	54,18	0,	0,	
1005	52,01	-15,16	26,16	
1006	54,18	-30,31	0,	
1101	58,20	30,89	0,	
1103	53,76	0,	53,25	
1106	58,20	-30,89	0,	

MEMBER INCIDENCES

1	401	501
2	403	503
3	406	506
4	501	701
5	503	703
6	506	706
7	701	801
8	703	803
9	706	806
10	801	901
11	803	903
12	806	906
13	901	1001
14	903	1003
15	906	1006
16	1001	1101
17	1003	1103
18	1006	1106
19	506	701
20	503	706
21	501	703
22	701	806
23	706	803
24	703	801

25	806	901
26	803	906
27	801	903
28	901	1004
29	906	1004
30	903	1005
31	906	1005
32	903	1002
33	901	1002
34	501	504
35	504	506
36	506	505
37	505	503
38	503	502
39	502	501
40	701	704
41	704	706
42	706	705
43	705	703
44	703	702
45	702	701
46	801	804
47	804	806
48	806	805
49	805	803

50	803	802
51	802	801
52	901	904
53	904	906
54	906	905
55	905	903
56	903	902
57	902	901
58	1001	1004
59	1004	1006
60	1006	1005
61	1005	1003
62	1003	1002
63	1002	1001
64	502	504
65	504	505
66	505	502
67	702	704
68	704	705
69	705	702
70	802	804
71	804	805
72	805	802
73	902	904
74	904	905

75 905 902

76 1002 1004

77 1004 1005

78 1005 1002

JOINT RELEASES

703 903 MOM X MOM Y MOM Z FOR Y

UNIT IN KIPS

MEMBER PROPERTIES PRISMATICS

1 TO 3 =
AX 254.27 IX 136171.28 IY 68085.64 IZ 68085.64 SY 2836.90 SZ 2836.90

4 TO 6 =
AX 214.41 IX 111093.36 IY 55546.68 IZ 55546.68 SY 2363.69 SZ 2363.69

7 TO 15 =
AX 71.47 IX 36995.38 IY 18497.69 IZ 18497.69 SY 804.25 SZ 804.25

16 TO 18 =
AX 175.73 IX 88047.86 IY 44023.93 IZ 44023.93 SY 1914.08 SZ 1914.08

19 TO 21 =
AX 66.71 IX 5962.80 IY 2981.40 IZ 2981.40 SY 298.14 SZ 298.14

22 TO 27 58 TO 63 =
AX 58.04 IX 3574.08 IY 1787.04 IZ 1787.04 SY 178.71 SZ 178.71

28 TO 33 =
AX 30.19 IX 1787.12 IY 893.56 IZ 893.56 SY 111.70 SZ 111.70

34 TO 39 =
AX 24.55 IX 1463.86 IY 731.93 IZ 731.93 SY 91.49 SZ 91.49

40 TO 51 =
AX 14.58 IX 558.64 IY 279.32 IZ 279.32 SY 43.81 SZ 43.81

52 TO 57 =
AX 21.20 IX 967.40 IY 483.70 IZ 483.70 SY 69.10 SZ 69.10

64 TO 75 =
AX 11.91 IX 321.46 IY 160.73 IZ 160.73 SY 29.90 SZ 29.90

76 TO 78 =

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    AX 10.05  IX   745.50  IY  372.75  IZ  372.75  SY  53.25 SZ  53.25
CONSTANTS
 E 30000.     ALL
UNIT FT LBS
LOADING 1 'JACKET DEAD LOAD FOR LIFTING --PLATFORM #2'
MEMBER LOADS
1 TO 3  FOR Z GLO UNI     W =-864.43
4 TO 6  FOR Z GLO UNI FR W =-864.43  LA 0.0   LB 0.19
4 TO 6  FOR Z GLO UNI FR W =-728.92  LA 0.19  LB 1.0
7 TO 9  FOR Z GLO UNI FR W =-728.92  LA 0.0   LB 0.135
7 TO 9  FOR Z GLO UNI FR W =-242.97  LA 0.135 LB 0.833
7 TO 9  FOR Z GLO UNI FR W =-728.92  LA 0.833 LB 1.0
10 TO 12  FOR Z GLO UNI FR W =-728.92  LA 0.0   LB 0.10
10 TO 12  FOR Z GLO UNI FR W =-242.97  LA 0.10  LB 0.87
10 TO 12  FOR Z GLO UNI FR W =-610.77  LA 0.87  LB 1.0
13 TO 15  FOR Z GLO UNI FR W =-610.77  LA 0.0   LB 0.13
13 TO 15  FOR Z GLO UNI FR W =-242.97  LA 0.13  LB 0.93
13 TO 15  FOR Z GLO UNI FR W =-597.42  LA 0.93  LB 1.0
16 TO 18  FOR Z GLO UNI     W =-597.42
19 TO 21  FOR Z GLO UNI     W =-226.78
22 TO 27  FOR Z GLO UNI     W =-129.32
28 TO 33  FOR Z GLO UNI     W =-102.62
34 TO 39  FOR Z GLO UNI     W  -82.71
40 TO 51  FOR Z GLO UNI     W  -49.52
52 TO 57  FOR Z GLO UNI     W  -72.09
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58 TO 63 FOR Z GLO UNI = -129.32

64 TO 75 FOR Z GLO UNI = -40.44

76 TO 78 FOR Z GLO UNI = -54.51

LOADING LIST ALL

STIFFNESS ANALYSIS

STATICS CHECK FAILED FOR JOINT 403 LOADING 1 COUNT 1

DOF	1	2	3	4	5	6
UNBALANCE	-3.37201D-08	-7.25717D 00	7.28028D-08	4.54702D 01	-1.60955D-02	-1.28470D 02
FORCE	0.0	0.0	0.0	0.0	0.0	0.0
TOLERANCE	7.40560D 00	9.72870D 00	1.52886D 01	5.26919D 02	5.15824D 02	1.25683D 02

STATICS CHECK FAILED FOR JOINT 1101 LOADING 1 COUNT 4

DOF	1	2	3	4	5	6
UNBALANCE	-2.50230D 00	-3.00054D 01	-2.06004D 01	1.68328D 02	-1.12548D 03	1.57691D 03
FORCE	0.0	0.0	0.0	0.0	0.0	0.0
TOLERANCE	7.40560D 00	9.72870D 00	1.52886D 01	5.26919D 02	5.15824D 02	1.25683D 02

STATICS CHECK FAILED FOR JOINT 1103 LOADING 1 COUNT 5

DOF	1	2	3	4	5	6
UNBALANCE	1.54578D 00	-3.90095D 01	-1.78491D 01	-7.02381D 02	-7.58372D 02	2.29474D 03
FORCE	0.0	0.0	0.0	0.0	0.0	0.0
TOLERANCE	7.40560D 00	9.72870D 00	1.52886D 01	5.26919D 02	5.15824D 02	1.25683D 02

STATICS CHECK FAILED FOR JOINT 1106 LOADING 1 COUNT 5

DOF	1	2	3	4	5	6
UNBALANCE	-9.89712D 00	7.08465D 01	4.76596D 01	3.60147D 02	2.34551D 03	-3.24695D 03
FORCE	0.0	0.0	0.0	0.0	0.0	0.0
TOLERANCE	7.40560D 00	9.72870D 00	1.52886D 01	5.26919D 02	5.15824D 02	1.25683D 02

OUTPUT DECIMAL 2

UNIT IN KIP

LIST FORCES REACTIONS ALL

****
RESULTS OF LATEST ANALYSES
****

PROBLEM = ACMR TITLE = LIFTING ANALYSIS -- PLATFORM #2 -- U.S.NAVY

ACTIVE UNITS INCH KIPS RAD FAHR SEC LBM

LOADING = 1 JACKET DEAD LOAD FOR LIFTING --PLATFORM #2

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
1	401	0.00	0.00	0.01	0.00	-0.09	0.02
1	501	-0.00	-0.00	2.40	-0.00	40.22	0.02
2	403	-0.00	-0.01	0.00	-0.01	-0.00	-0.14
2	503	0.95	0.01	2.31	0.01	39.99	-0.12
3	406	-0.00	0.00	-0.01	0.00	0.09	0.02
3	506	0.00	-0.00	2.42	-0.00	40.49	0.02
4	501	21.92	0.91	15.03	285.41	7.89	-2.86
4	701	-21.92	-0.91	6.85	-285.41	-897.35	289.35
5	503	-15.85	-0.21	0.06	-26.97	456.62	-47.75
5	703	16.54	0.21	19.24	26.97	2654.95	-10.43
6	506	5.37	-0.40	2.20	309.95	83.71	-83.48
6	706	-5.37	0.40	17.68	-309.95	2449.76	-41.57
7	70	21.43	-1.42	3.70	-825.50	-190.89	-302.82
7	801	-21.43	1.42	6.57	825.50	596.80	-144.81
8	703	11.03	1.43	17.96	-668.73	-2771.52	40.62
8	803	-8.50	-1.43	-8.02	668.73	-1585.70	411.72
9	706	19.49	0.58	17.40	486.63	-2541.21	144.14
9	806	-19.49	-0.58	-7.13	-486.63	-1384.39	38.78
10	801	19.81	-0.21	7.10	-690.77	-690.70	64.02
10	901	-19.81	0.21	2.19	690.77	-107.39	-133.41
11	803	-8.09	-4.27	-3.50	-373.78	1406.17	-497.59
11	903	10.37	4.27	12.30	373.78	1163.76	-904.46
12	806	9.30	0.07	5.65	-961.98	-62.74	59.72

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
12	906	-9,30	-0,07	3,64	961,98	-257,38	-37,78
13	901	0,89	0,28	5,08	-34,50	-97,36	36,14
13	1001	-0,89	-0,28	3,55	34,50	-70,96	54,46
14	903	2,99	2,75	7,49	-235,89	-1048,56	921,53
14	1003	-0,87	-2,75	0,88	235,89	43,96	-17,25
15	906	0,61	0,50	5,84	-492,75	153,70	45,52
15	1006	-0,61	-0,50	4,80	492,75	106,67	51,51
16	1001	0,01	0,03	2,45	-0,01	-59,00	-0,15
16	1101	-0,01	-0,03	-0,02	0,01	-1,14	1,58
17	1003	0,56	0,04	2,37	0,15	-57,03	-0,50
17	1103	-0,00	-0,04	-0,02	-0,15	-0,76	2,40
18	1006	0,02	-0,07	2,38	-0,02	-59,18	-0,10
18	1106	-0,02	0,07	0,05	0,02	2,37	-3,25
19	506	-9,12	0,25	3,82	-5,06	-95,37	69,14
19	701	9,12	-0,25	5,88	3,06	621,28	57,67
20	503	17,43	-1,77	3,96	75,03	-428,17	-115,71
20	706	-25,36	-1,12	3,17	-75,03	224,57	-55,35
21	501	-35,69	1,16	2,40	-46,98	-134,52	85,84
21	705	43,03	1,63	3,27	46,98	357,31	-206,19
22	701	-12,62	-0,19	-3,66	60,96	1709,66	-57,65
22	806	12,62	0,19	9,97	-60,96	2285,09	-56,39
23	706	-7,49	-1,12	1,49	-58,82	-96,89	-50,40
23	803	12,51	-0,97	1,72	58,82	164,15	6,72
24	703	-19,62	1,71	2,20	-17,10	-232,59	278,57
24	801	15,43	0,47	2,00	17,10	174,81	83,21
25	806	4,12	0,03	3,13	-38,09	-110,23	10,26
25	901	-4,12	-0,03	4,11	38,09	436,77	7,02
26	803	15,46	-1,54	2,24	7,10	-242,64	-148,19
26	906	-20,48	-1,15	2,21	-7,10	232,77	19,66
27	801	-17,53	0,98	1,41	-28,08	-120,21	66,38
27	903	25,42	1,61	1,88	28,08	277,31	-276,34
28	901	2,13	-0,01	1,81	-2,65	-73,04	-1,80
28	1004	-2,13	0,01	2,07	2,65	153,30	-2,15
29	906	-1,35	0,01	1,88	-0,41	-86,31	2,89
29	1004	1,33	-0,01	2,00	0,41	114,63	3,55
30	903	-21,28	-0,82	2,29	82,50	-226,94	-24,65
30	1005	19,28	-0,05	0,93	-82,50	-81,71	-149,01
31	906	24,27	0,95	0,85	44,88	3,49	212,77
31	1005	-21,59	-1,78	1,83	-44,88	218,75	406,68
32	903	-26,48	0,18	1,50	95,81	-130,56	65,28
32	1002	24,49	0,70	1,72	-95,81	181,03	-183,07
33	901	25,90	1,37	1,59	67,09	-107,11	126,90
33	1002	-25,22	-0,55	1,09	-67,09	-7,95	305,30
34	501	15,44	0,21	0,83	0,64	-73,79	25,64

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
34	504	-13.44	-0.21	0.43	-0.64	37.59	12.22
35	504	10.97	0.01	2.02	-1.23	-70.48	-12.99
35	506	-10.97	-0.01	-0.77	1.23	-182.76	15.09
36	506	-8.04	1.45	0.14	4.79	-25.67	213.00
36	505	9.12	-2.07	-0.24	-4.79	-8.48	106.94
37	505	-11.36	-1.19	0.27	0.84	7.67	-75.52
37	503	12.44	0.57	-0.37	-0.84	-65.70	-84.45
38	503	3.59	1.06	0.13	-17.25	-14.88	99.69
38	502	-4.67	-0.43	-0.03	17.25	-0.09	56.18
39	502	8.87	-0.26	-0.10	-4.77	4.40	-26.44
39	501	-9.95	0.89	0.21	4.77	23.77	-78.45
40	701	25.36	0.13	0.36	6.05	-17.28	10.15
40	704	-25.36	-0.13	0.57	-6.05	41.52	12.50
41	704	22.44	-0.03	1.12	3.50	-67.38	-6.40
41	706	-22.44	0.03	-0.20	-3.50	-81.17	-0.01
42	706	-54.17	0.46	0.11	-0.36	-11.96	88.75
42	705	54.97	-0.92	-0.20	0.36	-22.98	66.54
43	705	-57.55	-0.51	-0.20	2.60	24.59	-54.13
43	703	58.15	0.05	0.13	-2.60	13.29	-28.92
44	703	-20.07	0.61	-0.01	-2.29	5.04	62.24
44	702	19.27	-0.15	0.08	2.29	4.91	23.90
45	702	-16.20	0.15	0.05	0.72	1.15	3.16
45	701	15.40	0.31	0.03	-0.72	-3.01	-20.52
46	801	13.51	0.11	0.11	0.48	23.41	18.19
46	804	-13.31	-0.11	1.01	-0.48	98.12	11.94
47	804	10.75	-0.07	1.09	9.19	-46.51	-12.05
47	806	-10.75	0.07	0.03	-9.19	-96.09	-8.15
48	806	-12.51	1.74	-0.23	-4.89	39.91	242.23
48	805	13.47	-2.30	0.14	4.89	9.40	302.96
49	805	-18.20	0.54	0.13	2.43	-25.51	166.60
49	803	19.17	-1.09	-0.22	-2.43	-21.60	59.22
50	803	4.71	-0.69	-0.25	2.41	47.96	-51.06
50	802	-5.66	1.25	0.37	-2.41	35.76	-210.12
51	802	7.77	-0.77	-0.00	-4.21	2.12	-186.49
51	801	-6.74	1.32	0.07	4.21	6.97	-96.07
52	901	9.27	0.17	-0.07	-2.93	111.47	27.61
52	904	-9.27	-0.17	1.97	2.93	211.72	26.46
53	904	3.65	-0.17	1.05	2.48	-18.66	-27.85
53	906	-3.65	0.17	0.85	-2.48	-12.29	-27.48
54	906	-48.22	3.62	-0.26	-34.04	47.00	454.55
54	905	49.86	-4.56	0.10	34.04	9.55	841.57
55	905	-59.10	2.74	0.56	28.39	-101.29	701.51
55	903	60.74	-3.68	-0.72	-28.39	-101.25	515.86
56	903	-42.54	-2.67	-0.56	23.42	63.08	-248.71

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
56	902	40,89	3,62	0,52	-23,42	76,54	-747,01
57	902	-41,32	-2,69	-0,03	-36,10	18,42	-697,30
57	901	59,68	3,63	0,19	36,10	17,27	-303,78
58	1001	8,58	-0,00	0,46	-54,73	229,52	0,90
58	1004	-8,38	0,00	3,46	54,73	314,46	-1,57
59	1004	1,00	0,05	2,07	44,88	-108,55	10,51
59	1006	-1,00	-0,05	1,85	-44,88	66,75	9,37
60	1006	-8,20	5,89	0,05	-23,14	-11,73	564,31
60	1005	11,58	-5,85	-0,58	23,14	-66,41	1207,12
61	1005	-1,98	1,89	0,32	4,64	-128,37	865,10
61	1003	5,36	-5,84	-0,65	-4,64	-48,91	177,14
62	1003	10,09	-1,95	0,15	65,09	29,08	-58,60
62	1002	-13,47	3,91	0,17	-65,09	-25,15	-1006,86
63	1002	-15,59	-2,37	0,02	-61,94	8,13	-930,16
63	1001	10,01	4,32	0,31	61,94	43,91	-285,80
64	502	-4,23	-0,05	0,08	-0,70	-8,87	0,08
64	504	3,70	-0,25	-0,03	0,70	-0,83	17,88
65	504	0,74	-0,04	-0,02	-1,14	-1,58	-14,96
65	505	-0,21	0,34	-0,03	1,14	0,69	-19,30
66	505	5,55	0,03	0,52	2,65	-12,13	2,70
66	502	-3,55	-0,03	0,30	-2,65	10,09	2,79
67	702	-2,50	-0,15	0,04	-0,64	-5,45	-7,78
67	704	1,85	-0,23	0,02	0,64	3,28	16,30
68	704	-0,29	0,07	0,02	-2,81	-7,48	-8,92
68	705	0,94	0,31	-0,09	2,81	-4,41	-18,33
69	705	2,67	-0,02	0,36	2,36	-14,27	-0,33
69	702	-2,67	0,02	0,40	-2,36	18,91	-5,13
70	802	-5,54	-0,70	0,12	-2,22	-18,64	-115,07
70	804	4,74	0,24	-0,07	2,22	-7,71	-15,32
71	804	2,04	0,72	-0,19	-6,43	15,33	38,16
71	805	-1,25	-0,27	0,11	6,43	25,39	95,29
72	805	3,55	-1,98	3,94	3,35	-502,86	-246,11
72	802	-3,54	1,55	-3,13	-3,35	-459,02	-234,07
73	902	-10,27	-1,36	0,32	-7,71	-56,90	-260,52
73	904	9,35	0,82	-0,23	7,71	-29,75	-85,16
74	904	5,56	1,31	-0,32	-9,53	34,94	107,12
74	905	-4,64	-0,77	0,23	9,53	53,06	222,12
75	905	4,57	0,06	11,51	7,05	-1770,29	12,57
75	902	-4,57	-0,06	-10,44	-7,05	-1710,07	7,93
76	1002	-18,62	-1,41	0,42	-10,27	-70,80	-269,68
76	1004	17,19	0,58	-0,29	10,27	-58,64	-92,47
77	1004	5,67	1,52	0,01	-0,55	-23,94	126,95
77	1005	-4,24	-0,50	-0,15	0,55	-4,74	201,41
78	1005	12,85	-0,36	16,02	5,45	-2817,82	-70,49

MEMBER FORCES

MEMBER	JOINT	FORCE			MOMENT		
		AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
78	1002	-12.83	0.36	-14.37	-5.45	-2711.95	-61.71

RESULTANT JOINT LOADS = SUPPORTS

JOINT		FORCE			MOMENT		
		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
703	GLOBAL	25.11	-0.00	161.06	0.01	-0.00	0.00
903	GLOBAL	-25.10	0.00	160.52	0.00	0.00	-0.00
		0		321.58 K			

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FINISH
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APPENDIX B.6

MATERIAL LISTING

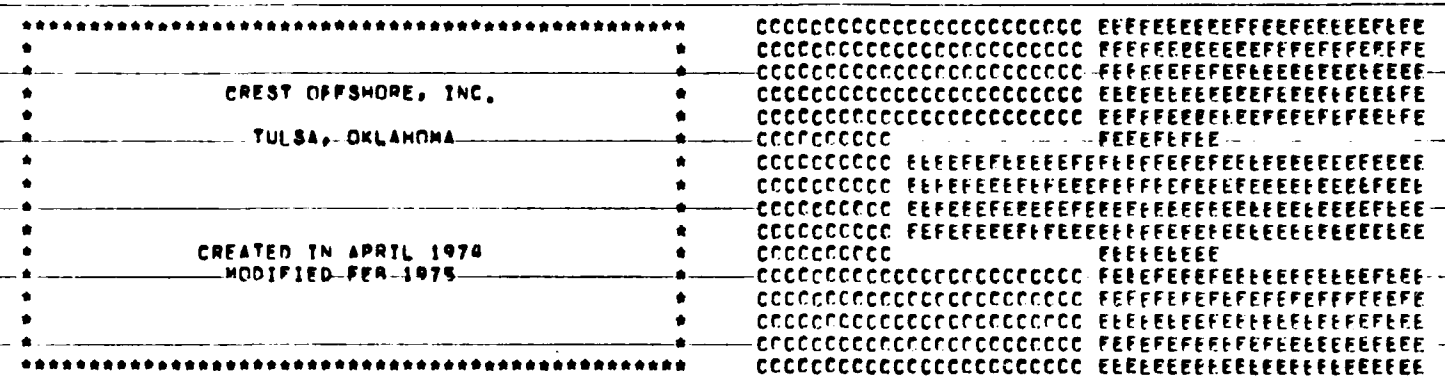
LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

1	30.000	1.750	0.0	3	5.000	SHT.1 LEG CAN
1	30.000	1.000	0.0	3	9.083	SHT.1 LEG CAN
1	30.000	1.500	0.0	3	5.000	SHT.1 LEG CAN
1	30.000	1.000	0.0	1	8.053	SHT.1 LEG CAN
1	30.000	1.000	0.0	2	5.657	SHT.1 LEG CAN
1	30.000	1.500	0.0	1	4.395	SHT.1 LEG CAN
1	30.000	1.500	0.0	2	6.791	SHT.1 LEG CAN
1	30.000	1.000	0.0	3	18.969	SHT.1 LEG CAN
3	5.320	5.320	1.000	3	0.0	SHT.1 LEG CONE
1	42.000	1.000	0.0	3	5.000	SHT.1 LEG CAN
2	18.000	50.000	0.0	5	26.375	SHT.1 HORIZBRACE
2	21.000	73.000	0.0	1	26.667	SHT.1 HORIZBRACE
1	12.750	0.500	0.0	3	24.333	SHT.1 DIAGBRACE
1	12.750	1.000	0.0	3	2.667	SHT.1 DIAGBRACE
1	12.750	0.750	0.0	3	2.667	SHT.1 DIAGBRACE
1	12.750	0.500	0.0	3	22.293	SHT.1 HORIZBRACE
1	12.750	0.750	0.0	6	2.437	SHT.1 HORIZBRACE
1	8.625	0.322	0.0	2	13.788	SHT.1 DIAGBRACE
2	8.000	24.000	0.0	3	4.583	SHT.2 BRACES
2	6.000	15.500	0.0	3	7.750	SHT.2 BRACES
2	8.000	24.000	0.0	3	14.500	SHT.2 BRACES
2	6.000	15.500	0.0	1	8.000	SHT.2 BRACES
2	8.000	24.000	0.0	2	4.229	SHT.2 BRACES
2	12.000	27.000	0.0	1	5.000	SHT.2 BRACES
2	12.000	27.000	0.0	1	3.667	SHT.2 BRACES
3	0.333	136.000	0.375	1	0.0	SHT.2 FLRPLTSUPPT.
3	19.660	19.660	0.276	1	0.0	SHT.2 FLRPLT .250THK
2	6.000	15.500	0.0	1	2.917	SHT.3 BRACES
2	6.000	15.500	0.0	1	5.750	SHT.3 BRACES
2	6.000	15.500	0.0	1	8.750	SHT.3 BRACES
2	6.000	15.500	0.0	1	11.583	SHT.3 BRACES
2	8.000	24.000	0.0	1	14.500	SHT.3 BRACES
2	6.000	15.500	0.0	2	2.750	SHT.3 BRACES
2	6.000	15.500	0.0	2	5.833	SHT.3 BRACES
2	6.000	15.500	0.0	2	8.917	SHT.3 BRACES
2	18.000	50.000	0.0	1	7.917	SHT.3 BRACES
2	6.000	15.500	0.0	2	11.917	SHT.3 BRACES
2	8.000	24.000	0.0	2	14.583	SHT.3 BRACES
2	6.000	15.500	0.0	1	4.333	SHT.3 BRACES
2	6.000	15.500	0.0	1	7.167	SHT.3 BRACES
2	6.000	15.500	0.0	1	10.000	SHT.3 BRACES
2	6.000	15.500	0.0	1	13.000	SHT.3 BRACES
2	12.000	27.000	0.0	2	3.270	SHT.3 BRACES
2	8.000	24.000	0.0	2	3.270	SHT.3 BRACES
2	8.000	24.000	0.0	2	4.000	SHT.3 BRACES
2	8.000	24.000	0.0	2	4.229	SHT.3 BRACES
2	12.000	27.000	0.0	2	10.167	SHT.3 BRACES
2	12.000	27.000	0.0	1	18.250	SHT.3 BRACES
2	6.000	15.500	0.0	2	4.917	SHT.3 BRACES
2	6.000	15.500	0.0	7	10.750	SHT.3 BRACES
2	6.000	15.500	0.0	4	3.000	SHT.3 BRACES
3	1.000	1.000	0.250	4	0.0	SHT.3 BRACES
3	0.302	1.406	0.500	14	0.0	SHT.3 BRACES
3	25.270	25.270	0.276	1	0.0	SHT.3 FLRPLT .250THK
3	0.667	10.080	0.500	3	0.0	SHT.4 LEG POINT
3	3.640	3.640	0.500	3	0.0	SHT.4 LEG POINT
3	1.000	1.000	0.500	3	0.0	SHT.4 LEG POINT
3	0.667	3.208	0.750	6	0.0	SHT.4 LEG POINT
3	1.790	1.790	0.750	6	0.0	SHT.4 LEG POINT

3	0.500	10.340	0.125	3	0.0	SHT.4 LEG POINT
1	2.210	3.583	1.250	3	0.0	SHT.4 LIFTLUG
	1.740	1.740	1.250	6	0.0	SHT.4 LIFTLUG
	2.360	2.360	1.000	3	0.0	SHT.4 LIFTLUG
3	0.738	0.738	1.000	6	0.0	SHT.4 LIFTLUG
3	0.667	1.104	1.000	6	0.0	SHT.4 LIFTLUG
3	0.875	1.208	0.750	2	0.0	SHT.4
1	2.375	0.154	0.0	51	0.489	SHT.5 HANDRAIL DET.
3	0.323	0.489	0.250	34	0.0	SHT.5 HANDRAIL DET.
3	0.281	0.489	0.250	15	0.0	SHT.5 HANDRAIL DET.
1	2.375	0.154	0.0	62	0.083	SHT.5 HANDRAIL DET.
3	0.333	183.000	0.250	1	0.0	SHT.5 HANDRAIL DET.
1	1.900	0.145	0.0	1	590.000	SHT.5 HANDRAIL DET.
1	4.500	0.337	0.0	1	50.500	ANTENNA MOUNT
3	0.375	0.375	0.250	2	0.0	ANTENNA MOUNT
3	0.917	1.000	0.375	15	0.0	ANTENNA MOUNT
5	3.000	3.000	0.375	1	40.000	ANTENNA MOUNT
5	3.000	3.000	0.250	4	1.333	BATTERY BOX TIE DOWN
5	4.000	3.000	0.375	2	8.000	SOLAR PANEL SUPPORT
5	4.000	3.000	0.375	2	3.667	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	11.333	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	3	10.417	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	9.600	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	4.375	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	5.229	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	7	0.583	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	1.333	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	2	1.833	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	2.333	SOLAR PANEL SUPPORT
1	8.625	0.500	0.0	2	27.000	STAIRWAY NO.1
1	6.625	0.500	0.0	1	12.000	STAIRWAY NO.1
1	6.625	0.500	0.0	3	5.667	STAIRWAY NO.1
4	5.790	5.790	0.0	1	7.360	STAIRWAY NO.1
1	4.500	0.337	0.0	3	5.667	STAIRWAY NO.1
4	0.910	2.500	0.0	25	7.360	STAIRWAY NO.1
3	0.333	12.000	0.250	1	0.0	STAIRWAY NO.1
1	8.625	0.500	0.0	2	0.750	STAIRWAY NO.1
3	0.167	2.450	0.250	1	0.0	STAIRWAY NO.1
3	0.167	0.708	0.500	50	0.0	STAIRWAY NO.1
4	0.625	3.218	0.0	1	7.360	STAIRWAY NO.1
3	0.833	1.250	0.500	2	0.0	STAIRWAY NO.1
5	2.500	2.500	0.250	4	3.218	STAIRWAY NO.1
3	0.333	25.208	0.250	2	0.0	STAIRWAY NO.1
1	1.900	0.145	0.0	1	131.000	STAIRWAY NO.1
1	1.900	0.281	0.0	1	65.000	STAIRWAY NO.1
6	12.000	25.000	0.0	2	37.000	STAIRWAY NO.2
3	0.333	35.239	0.250	2	0.0	STAIRWAY NO.2
3	0.333	16.360	0.250	1	0.0	STAIRWAY NO.2
3	0.333	23.000	0.250	1	0.0	STAIRWAY NO.2
4	0.906	2.500	0.0	35	7.360	STAIRWAY NO.2
5	2.500	2.500	0.250	14	2.500	STAIRWAY NO.2
6	12.000	25.000	0.0	1	16.360	STAIRWAY NO.2
1	1.900	0.145	0.0	1	53.000	STAIRWAY NO.2
2	12.000	27.000	0.0	3	3.750	STAIRWAY NO.2
4	4.010	4.010	0.0	1	7.360	STAIRWAY NO.2
	4.500	0.337	0.0	3	5.000	STAIRWAY NO.2
1	1.900	0.145	0.0	1	176.000	STAIRWAY NO.2
6	12.000	25.000	0.0	2	16.667	STAIRWAY NO.3
3	0.333	16.333	0.250	2	0.0	STAIRWAY NO.3
6	12.000	25.000	0.0	2	5.000	STAIRWAY NO.3
6	12.000	25.000	0.0	1	3.000	STAIRWAY NO.3
3	0.333	5.000	0.250	2	0.0	STAIRWAY NO.3
4	0.906	2.500	0.0	15	7.360	STAIRWAY NO.3
5	2.500	2.500	0.250	8	2.500	STAIRWAY NO.3
1	1.900	0.145	0.0	1	128.000	STAIRWAY NO.3
6	10.000	15.300	0.0	2	25.500	STAIRWAY NO.4

3	0.333	25.000	0.250	2	0.0	STAIRWAY NO.4
4	0.906	2.500	0.0	24	7.[illegible]	STAIRWAY NO.4
	1.900	0.145	0.0	1	135.[illegible]	STAIRWAY NO.4
5	2.500	2.500	0.250	1	2.[illegible]	STAIRWAY NO.4
3	0.250	2.500	0.375	1	0.0	STAIRWAY NO.4
5	2.500	2.500	0.250	10	2.500	STAIRWAY NO.4
1	2.375	0.154	0.0	3	7.720	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	6.750	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	4	3.000	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	1.083	ANTI-CLIMB DEVICE
3	0.208	48.500	0.375	2	0.0	SAFETY LADDER
3	0.208	0.750	0.375	16	0.0	SAFETY LADDER
1	2.375	0.154	0.0	1	14.000	CONDUIT PIPE
6	12.000	20.700	0.0	3	1.250	NAV-AID SUPPORT BRKT

MATERIAL LISTING PROGRAM



U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
42.000 O.D. X 1.000 WT	3	5.00	15.00	6574.4
30.000 O.D. X 1.750 WT	3	5.00	15.00	7927.4
30.000 O.D. X 1.500 WT	2	6.79	13.58	6207.0
30.000 O.D. X 1.500 WT	3	5.00	15.00	6855.0
30.000 O.D. X 1.500 WT	1	4.39	4.39	2008.5
30.000 O.D. X 1.000 WT	3	18.97	56.91	17641.9
30.000 O.D. X 1.000 WT	3	9.08	27.25	8447.6
30.000 O.D. X 1.000 WT	1	8.05	8.05	2496.5
30.000 O.D. X 1.000 WT	2	5.66	11.31	3507.5
12.750 O.D. X 1.000 WT	3	2.67	8.00	1005.0
12.750 O.D. X 0.750 WT	3	2.67	8.00	769.8
12.750 O.D. X 0.750 WT	6	2.44	14.62	1406.8
12.750 O.D. X 0.500 WT	3	24.33	73.00	4779.8
12.750 O.D. X 0.500 WT	3	22.29	66.88	4379.0
8.625 O.D. X 0.500 WT	2	27.00	54.00	2345.1
8.625 O.D. X 0.500 WT	2	0.75	1.50	65.1
8.625 O.D. X 0.322 WT	2	13.79	27.58	788.1
6.625 O.D. X 0.500 WT	1	12.00	12.00	392.9
6.625 O.D. X 0.500 WT	3	5.67	17.00	556.6
4.500 O.D. X 0.337 WT	1	50.50	50.50	757.4
4.500 O.D. X 0.337 WT	3	5.67	17.00	255.0
4.500 O.D. X 0.337 WT	3	5.00	15.00	225.0
2.375 O.D. X 0.154 WT	1	14.00	14.00	51.2
2.375 O.D. X 0.154 WT	3	7.72	23.16	84.7
2.375 O.D. X 0.154 WT	1	6.75	6.75	24.7
2.375 O.D. X 0.154 WT	4	3.00	12.00	43.9
2.375 O.D. X 0.154 WT	1	1.08	1.08	4.0
2.375 O.D. X 0.154 WT	51	0.49	24.94	91.2
2.375 O.D. X 0.154 WT	62	0.08	5.15	18.8
1.900 O.D. X 0.281 WT	1	65.00	65.00	316.1
1.900 O.D. X 0.145 WT	1	590.00	590.00	1605.0
1.900 O.D. X 0.145 WT	1	176.00	176.00	478.8
1.900 O.D. X 0.145 WT	1	135.00	135.00	367.2
1.900 O.D. X 0.145 WT	1	131.00	131.00	356.4
1.900 O.D. X 0.145 WT	1	128.00	128.00	348.2

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
1.900 O.D. X 0.145 WT	1	53.00	53.00	144.2

TOTAL WEIGHT OF PIPE MEMBERS = 83325.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W SHAPE

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
W 21 X 73.00	1	26.67	26.67	1946.7
W 18 X 50.00	5	26.38	131.88	6593.8
W 18 X 50.00	1	7.92	7.92	395.8
W 12 X 27.00	1	18.25	18.25	492.8
W 12 X 27.00	2	10.17	20.33	549.0
W 12 X 27.00	1	5.00	5.00	135.0
W 12 X 27.00	3	3.75	11.25	303.8
W 12 X 27.00	1	3.67	3.67	99.0
W 12 X 27.00	2	3.27	6.54	176.6
W 8 X 24.00	2	14.58	29.17	700.0
W 8 X 24.00	4	14.50	58.00	1392.0
W 8 X 24.00	3	4.58	13.75	330.0
W 8 X 24.00	4	4.23	16.92	406.0
W 8 X 24.00	2	4.00	8.00	192.0
W 8 X 24.00	2	3.27	6.54	157.0
W 6 X 15.50	1	13.00	13.00	201.5
W 6 X 15.50	2	11.92	23.83	369.4
W 6 X 15.50	1	11.58	11.58	179.5
W 6 X 15.50	7	10.75	75.25	1166.4
W 6 X 15.50	1	10.00	10.00	155.0
W 6 X 15.50	2	8.92	17.83	276.4
W 6 X 15.50	1	8.75	8.75	135.6
W 6 X 15.50	1	8.00	8.00	124.0
W 6 X 15.50	3	7.75	23.25	360.4
W 6 X 15.50	1	7.17	7.17	111.1
W 6 X 15.50	2	5.83	11.67	180.8
W 6 X 15.50	1	5.75	5.75	89.1
W 6 X 15.50	2	4.92	9.83	152.4
W 6 X 15.50	1	4.33	4.33	67.2
W 6 X 15.50	4	3.00	12.00	186.0
W 6 X 15.50	1	2.92	2.92	45.2
W 6 X 15.50	2	2.75	5.50	85.3

TOTAL WEIGHT OF W-SHAPE MEMBERS= 17754.6

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)	
2.21 X 3.58 X 1.250	3	23.76	1212.5	
1.78 X 1.78 X 1.250	6	18.17	927.2	
5.32 X 5.32 X 1.000	3	84.91	3467.0	
2.36 X 2.36 X 1.000	3	16.71	682.3	
0.67 X 1.10 X 1.000	6	4.42	180.4	
0.74 X 0.74 X 1.000	6	3.27	133.4	
1.79 X 1.79 X 0.750	6	19.22	588.8	
0.67 X 3.21 X 0.750	6	12.84	393.2	
0.88 X 1.21 X 0.750	2	2.11	64.7	
5.64 X 5.64 X 0.500	3	39.75	811.5	
0.67 X 10.08 X 0.500	3	20.17	411.8	
0.83 X 1.25 X 0.500	2	2.08	42.5	
1.00 X 1.00 X 0.500	3	3.00	61.2	
0.30 X 1.41 X 0.500	14	5.94	121.4	
0.17 X 0.71 X 0.500	50	5.91	120.7	
0.33 X 136.00 X 0.375	1	45.29	693.5	
0.21 X 48.50 X 0.375	2	20.18	308.9	
0.92 X 1.00 X 0.375	15	13.75	210.6	
0.25 X 2.50 X 0.375	1	0.63	9.6	
0.21 X 0.75 X 0.375	16	2.50	38.2	
25.27 X 25.27 X 0.276	1	638.57	7196.7	= 1/4" Checkered Floor Plate
19.66 X 19.66 X 0.276	1	386.52	4356.0	= 1/4" Checkered Floor Plate
0.33 X 183.00 X 0.250	1	60.94	622.1	
0.33 X 35.24 X 0.250	2	23.47	239.6	
0.33 X 25.21 X 0.250	2	16.79	171.4	
0.33 X 25.00 X 0.250	2	16.65	170.0	
0.33 X 23.00 X 0.250	1	7.66	78.2	
0.33 X 16.36 X 0.250	1	5.45	55.6	
0.33 X 16.33 X 0.250	2	10.88	111.0	
0.33 X 12.00 X 0.250	1	4.00	40.8	
0.33 X 5.00 X 0.250	2	3.33	34.0	
1.00 X 1.00 X 0.250	4	4.00	40.8	
0.17 X 2.45 X 0.250	1	0.41	4.2	
0.32 X 0.49 X 0.250	34	5.37	54.8	
0.38 X 0.38 X 0.250	2	0.28	2.9	

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
0.28 X 0.49 X 0.290	15	2.06	21.0
0.50 X 10.38 X 0.125	3	15.51	79.2

TOTAL WEIGHT OF PLATES = 23757.8

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
5.000 X 3.000 X 0.375	1	11.33	11.33	110.3
5.000 X 3.000 X 0.375	3	10.42	31.25	304.1
5.000 X 3.000 X 0.375	1	9.60	9.60	93.4
5.000 X 3.000 X 0.375	1	5.23	5.23	50.9
5.000 X 3.000 X 0.375	1	4.38	4.38	42.6
5.000 X 3.000 X 0.375	1	2.33	2.33	22.7
5.000 X 3.000 X 0.375	2	1.83	3.67	35.7
5.000 X 3.000 X 0.375	1	1.33	1.33	13.0
5.000 X 3.000 X 0.375	7	0.58	4.08	39.7
4.000 X 3.000 X 0.375	2	8.00	16.00	155.3
4.000 X 3.000 X 0.375	2	3.67	7.33	62.0
3.000 X 3.000 X 0.375	1	40.00	40.00	287.1
3.000 X 3.000 X 0.250	4	1.33	5.33	26.1
2.500 X 2.500 X 0.250	4	3.22	12.87	52.0
2.500 X 2.500 X 0.250	33	2.50	82.50	333.4

TOTAL WEIGHT OF ANGLES = 1608.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (-POUNDS-)
5.79 X 5.79	1	7.36	33.52	246.7
4.01 X 4.01	1	7.36	16.08	118.3
0.91 X 2.50	25	7.36	56.87	418.6
0.91 X 2.50	74	7.36	167.61	1233.6
0.63 X 3.22	1	7.36	2.01	14.8

TOTAL WEIGHT OF GRATING = 2032.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

CHANNELS

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
C 12 X 25.00	2	37.00	74.00	1850.0
C 12 X 25.00	2	16.67	33.33	833.3
C 12 X 25.00	1	16.36	16.36	409.0
C 12 X 25.00	2	5.00	10.00	250.0
C 12 X 25.00	1	3.00	3.00	75.0
C 12 X 20.70	3	1.25	3.75	77.6
C 10 X 15.30	2	25.50	51.00	780.3

TOTAL WEIGHT OF CHANNELS = 4275.3

TOTAL WEIGHT = 132752.7

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 1.000 WT	15.00	6574.43
30.000 O.D. X 1.750 WT	15.00	7927.39
30.000 O.D. X 1.500 WT	32.98	15070.58
30.000 O.D. X 1.000 WT	103.52	32093.53
12.750 O.D. X 1.000 WT	8.00	1005.00
12.750 O.D. X 0.750 WT	22.62	2176.58
12.750 O.D. X 0.500 WT	139.88	9158.79
8.625 O.D. X 0.500 WT	55.50	2410.29
8.625 O.D. X 0.322 WT	27.58	788.14
6.625 O.D. X 0.500 WT	29.00	949.45
4.500 O.D. X 0.337 WT	82.50	1237.31
2.375 O.D. X 0.154 WT	87.08	318.39
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	1213.00	3299.81
W SHAPE		
W 21 X 73.00	26.67	1946.69
W 18 X 50.00	139.79	6989.60
W 12 X 27.00	65.04	1756.11

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W 8 X 24.00	132.37	3176.90
W 6 X 15.50	250.67	3885.35

CHANNELS

C 12 X 25.00	136.69	3417.35
C 12 X 20.70	3.75	77.62
C 10 X 15.30	51.00	780.30

ANGLE

5.000 X 3.000 X 0.375	73.20	712.23
4.000 X 3.000 X 0.375	23.33	197.26
3.000 X 3.000 X 0.375	40.00	287.11
3.000 X 3.000 X 0.250	5.33	26.08
2.500 X 2.500 X 0.250	95.37	385.38

PLATE

1.250 THICKNESS	41.92	2139.71
1.000 THICKNESS	109.30	4463.16
0.750 THICKNESS	34.18	1046.67
0.500 THICKNESS	76.86	1569.18
0.375 THICKNESS	82.34	1260.83
0.250 THICKNESS	1186.36 (1025 SF$_T$^{2})*	13199.09 - (11552.7#)*
0.125 THICKNESS	15.51	79.17

* 1/4" Checkered floor Plate

GRATING

7.360 LBS PER SQ FT	276.10	2032.10

TOTAL WEIGHT 132752.69 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

1	30.000	1.750	0.0	3	5.000	SHT.1 LEG CAN
1	30.000	1.000	0.0	3	9.083	SHT.1 LEG CAN
1	30.000	1.500	0.0	3	5.000	SHT.1 LEG CAN
1	30.000	1.000	0.0	1	8.053	SHT.1 LEG CAN
1	30.000	1.000	0.0	2	5.657	SHT.1 LEG CAN
1	30.000	1.500	0.0	1	4.395	SHT.1 LEG CAN
1	30.000	1.500	0.0	2	6.791	SHT.1 LEG CAN
1	30.000	1.000	0.0	3	18.969	SHT.1 LEG CAN
3	5.320	5.320	1.000	3	0.0	SHT.1 LEG CONE
1	42.000	1.000	0.0	3	5.000	SHT.1 LEG CAN
2	18.000	50.000	0.0	5	26.375	SHT.1 HORIZBRACE
2	21.000	73.000	0.0	1	26.667	SHT.1 HORIZBRACE
1	12.750	0.500	0.0	3	24.333	SHT.1 DIAGBRACE
1	12.750	1.000	0.0	3	2.667	SHT.1 DIAGBRACE
1	12.750	0.750	0.0	3	2.667	SHT.1 DIAGBRACE
1	12.750	0.500	0.0	3	22.293	SHT.1 HORIZBRACE
1	12.750	0.750	0.0	6	2.437	SHT.1 HORIZBRACE
1	8.625	0.322	0.0	2	13.788	SHT.1 DIAGBRACE
2	8.000	24.000	0.0	3	4.583	SHT.2 BRACES
2	6.000	15.500	0.0	3	7.750	SHT.2 BRACES
2	8.000	24.000	0.0	3	14.500	SHT.2 BRACES
2	6.000	15.500	0.0	1	8.000	SHT.2 BRACES
2	8.000	24.000	0.0	2	4.229	SHT.2 BRACES
2	12.000	27.000	0.0	1	5.000	SHT.2 BRACES
2	12.000	27.000	0.0	1	3.667	SHT.2 BRACES
3	0.333	136.000	0.375	1	0.0	SHT.2 FLRPLTSUPPT.
3	19.660	19.660	0.276	1	0.0	SHT.2 FLRPLT .250THK
2	6.000	15.500	0.0	1	2.917	SHT.3 BRACES
2	6.000	15.500	0.0	1	5.750	SHT.3 BRACES
2	6.000	15.500	0.0	1	8.750	SHT.3 BRACES
2	6.000	15.500	0.0	1	11.583	SHT.3 BRACES
2	8.000	24.000	0.0	1	14.500	SHT.3 BRACES
2	6.000	15.500	0.0	2	2.750	SHT.3 BRACES
2	6.000	15.500	0.0	2	5.833	SHT.3 BRACES
2	6.000	15.500	0.0	2	8.917	SHT.3 BRACES
2	18.000	50.000	0.0	1	7.917	SHT.3 BRACES
2	6.000	15.500	0.0	2	11.917	SHT.3 BRACES
2	8.000	24.000	0.0	2	14.583	SHT.3 BRACES
2	6.000	15.500	0.0	1	4.333	SHT.3 BRACES
2	6.000	15.500	0.0	1	7.167	SHT.3 BRACES
2	6.000	15.500	0.0	1	10.000	SHT.3 BRACES
2	6.000	15.500	0.0	1	13.000	SHT.3 BRACES
2	12.000	27.000	0.0	2	3.270	SHT.3 BRACES
2	8.000	24.000	0.0	2	3.270	SHT.3 BRACES
2	8.000	24.000	0.0	2	4.000	SHT.3 BRACES
2	8.000	24.000	0.0	2	4.229	SHT.3 BRACES
2	12.000	27.000	0.0	2	10.167	SHT.3 BRACES
2	12.000	27.000	0.0	1	18.250	SHT.3 BRACES
2	6.000	15.500	0.0	2	4.917	SHT.3 BRACES
2	6.000	15.500	0.0	7	10.750	SHT.3 BRACES
2	6.000	15.500	0.0	4	3.000	SHT.3 BRACES
3	1.000	1.000	0.250	4	0.0	SHT.3 BRACES
3	0.302	1.406	0.500	14	0.0	SHT.3 BRACES
3	25.270	25.270	0.276	1	0.0	SHT.3 FLRPLT .250THK
3	0.667	10.080	0.500	3	0.0	SHT.4 LEG POINT
3	3.640	3.640	0.500	3	0.0	SHT.4 LEG POINT
3	1.000	1.000	0.500	3	0.0	SHT.4 LEG POINT
3	0.667	3.208	0.750	6	0.0	SHT.4 LEG POINT
3	1.790	1.790	0.750	6	0.0	SHT.4 LEG POINT

3	0.500	10.340	0.125	3	0.0	SHT.4 LEG POINT
7	2.210	3.583	1.250	3	0.0	SHT.4 LIFTLUG
	1.740	1.740	1.250	6	0.0	SHT.4 LIFTLUG
3	2.360	2.360	1.000	3	0.0	SHT.4 LIFTLUG
3	0.738	0.738	1.000	6	0.0	SHT.4 LIFTLUG
3	0.667	1.104	1.000	6	0.0	SHT.4 LIFTLUG
3	0.875	1.208	0.750	2	0.0	SHT.4
1	2.375	0.154	0.0	51	0.489	SHT.5 HANDRAIL DET.
3	0.323	0.489	0.250	34	0.0	SHT.5 HANDRAIL DET.
3	0.241	0.489	0.250	15	0.0	SHT.5 HANDRAIL DET.
1	2.375	0.154	0.0	62	0.083	SHT.5 HANDRAIL DET.
3	0.333	183.000	0.250	1	0.0	SHT.5 HANDRAIL DET.
1	1.900	0.145	0.0	1	590.000	SHT.5 HANDRAIL DET.
1	4.500	0.337	0.0	1	50.500	ANTENNA MOUNT
3	0.375	0.375	0.250	2	0.0	ANTENNA MOUNT
3	0.917	1.000	0.375	15	0.0	ANTENNA MOUNT
5	3.000	3.000	0.375	1	40.000	ANTENNA MOUNT
5	3.000	3.000	0.250	4	1.333	BATTERY BOX TIE DOWN
5	4.000	3.000	0.375	2	8.000	SOLAR PANEL SUPPORT
5	4.000	3.000	0.375	2	3.667	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	11.333	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	3	10.417	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	9.600	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	4.375	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	5.229	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	7	0.583	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	1.333	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	2	1.833	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	2.333	SOLAR PANEL SUPPORT
1	8.625	0.500	0.0	2	27.000	STAIRWAY NO.1
1	6.625	0.500	0.0	1	12.000	STAIRWAY NO.1
1	6.625	0.500	0.0	3	5.667	STAIRWAY NO.1
4	5.790	5.790	0.0	1	7.360	STAIRWAY NO.1
1	4.500	0.337	0.0	3	5.667	STAIRWAY NO.1
4	0.910	2.500	0.0	25	7.360	STAIRWAY NO.1
3	0.333	12.000	0.250	1	0.0	STAIRWAY NO.1
1	8.625	0.500	0.0	2	0.750	STAIRWAY NO.1
3	0.167	2.450	0.250	1	0.0	STAIRWAY NO.1
3	0.167	0.708	0.500	50	0.0	STAIRWAY NO.1
4	0.625	3.218	0.0	1	7.360	STAIRWAY NO.1
3	0.833	1.250	0.500	2	0.0	STAIRWAY NO.1
5	2.500	2.500	0.250	4	3.218	STAIRWAY NO.1
3	0.333	25.208	0.250	2	0.0	STAIRWAY NO.1
1	1.900	0.145	0.0	1	131.000	STAIRWAY NO.1
1	1.900	0.281	0.0	1	65.000	STAIRWAY NO.1
6	12.000	25.000	0.0	2	37.000	STAIRWAY NO.2
3	0.333	35.239	0.250	2	0.0	STAIRWAY NO.2
3	0.333	16.360	0.250	1	0.0	STAIRWAY NO.2
3	0.333	23.000	0.250	1	0.0	STAIRWAY NO.2
4	0.906	2.500	0.0	35	7.360	STAIRWAY NO.2
5	2.500	2.500	0.250	14	2.500	STAIRWAY NO.2
6	12.000	25.000	0.0	1	16.360	STAIRWAY NO.2
1	1.900	0.145	0.0	1	53.000	STAIRWAY NO.2
2	12.000	27.000	0.0	3	3.750	STAIRWAY NO.2
4	4.010	4.010	0.0	1	7.360	STAIRWAY NO.2
1	4.500	0.337	0.0	3	5.000	STAIRWAY NO.2
1	1.900	0.145	0.0	1	176.000	STAIRWAY NO.2
6	12.000	25.000	0.0	2	16.667	STAIRWAY NO.3
3	0.333	16.333	0.250	2	0.0	STAIRWAY NO.3
6	12.000	25.000	0.0	2	5.000	STAIRWAY NO.3
6	12.000	25.000	0.0	1	3.000	STAIRWAY NO.3
3	0.333	5.000	0.250	2	0.0	STAIRWAY NO.3
4	0.906	2.500	0.0	15	7.360	STAIRWAY NO.3
5	2.500	2.500	0.250	8	2.500	STAIRWAY NO.3
1	1.900	0.145	0.0	1	128.000	STAIRWAY NO.3
6	10.000	15.300	0.0	2	25.500	STAIRWAY NO.4

3	0.333	25.000	0.250	2	0.0	STAIRWAY NO.4
8	0.906	2.500	0.0	24	0.0	STAIRWAY NO.4
1	1.900	0.145	0.0	1	13[illegible].0	STAIRWAY NO.4
5	2.500	2.500	0.250	1	2.500	STAIRWAY NO.4
3	0.250	2.500	0.375	1	0.0	STAIRWAY NO.4
5	2.500	2.500	0.250	10	2.500	STAIRWAY NO.4
1	2.375	0.154	0.0	3	7.720	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	6.750	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	4	3.000	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	1.083	ANTI-CLIMB DEVICE
3	0.208	48.500	0.375	2	0.0	SAFETY LADDER
3	0.208	0.750	0.375	16	0.0	SAFETY LADDER
1	2.375	0.154	0.0	1	14.000	CONDUIT PIPE
6	12.000	20.700	0.0	3	1.250	NAV-AID SUPPORT BRKT

MATERIAL LISTING PROGRAM

CREST OFFSHORE, INC.

TULSA, OKLAHOMA

CREATED IN APRIL 1974
MODIFIED FEB 1975

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
42.000 O.D. X 1.000 WT	3	5.00	15.00	6574.4
30.000 O.D. X 1.750 WT	3	5.00	15.00	7927.4
30.000 O.D. X 1.500 WT	2	6.79	13.58	6207.0
30.000 O.D. X 1.500 WT	3	5.00	15.00	6855.0
30.000 O.D. X 1.500 WT	1	4.39	4.39	2008.5
30.000 O.D. X 1.000 WT	3	18.97	56.91	17641.9
30.000 O.D. X 1.000 WT	3	9.08	27.25	8447.6
30.000 O.D. X 1.000 WT	1	8.05	8.05	2496.5
30.000 O.D. X 1.000 WT	2	5.66	11.31	3507.5
12.750 O.D. X 1.000 WT	3	2.67	8.00	1005.0
12.750 O.D. X 0.750 WT	3	2.67	8.00	769.8
12.750 O.D. X 0.750 WT	6	2.44	14.62	1406.8
12.750 O.D. X 0.500 WT	3	24.33	73.00	4779.8
12.750 O.D. X 0.500 WT	3	22.29	66.88	4379.0
8.625 O.D. X 0.500 WT	2	27.00	54.00	2345.1
8.625 O.D. X 0.500 WT	2	0.75	1.50	65.1
8.625 O.D. X 0.322 WT	2	13.79	27.58	788.1
6.625 O.D. X 0.500 WT	1	12.00	12.00	392.9
6.625 O.D. X 0.500 WT	3	5.67	17.00	556.6
4.500 O.D. X 0.337 WT	1	50.50	50.50	757.4
4.500 O.D. X 0.337 WT	3	5.67	17.00	255.0
4.500 O.D. X 0.337 WT	3	5.00	15.00	225.0
2.375 O.D. X 0.154 WT	1	14.00	14.00	51.2
2.375 O.D. X 0.154 WT	3	7.72	23.16	84.7
2.375 O.D. X 0.154 WT	1	6.75	6.75	24.7
2.375 O.D. X 0.154 WT	4	3.00	12.00	43.9
2.375 O.D. X 0.154 WT	1	1.08	1.08	4.0
2.375 O.D. X 0.154 WT	51	0.49	24.94	91.2
2.375 O.D. X 0.154 WT	62	0.08	5.15	18.8
1.900 O.D. X 0.281 WT	1	65.00	65.00	316.1
1.900 O.D. X 0.145 WT	1	590.00	590.00	1605.0
1.900 O.D. X 0.145 WT	1	176.00	176.00	478.8
1.900 O.D. X 0.145 WT	1	135.00	135.00	367.2
1.900 O.D. X 0.145 WT	1	131.00	131.00	356.4
1.900 O.D. X 0.145 WT	1	128.00	128.00	348.2

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
1.900 O.D. X 0.145 WT	1	53.00	53.00	148.2

TOTAL WEIGHT OF PIPE MEMBERS = 83325.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W SHAPE

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
W 21 X 73.00	1	26.67	26.67	1946.7
W 18 X 50.00	5	26.38	131.88	6593.8
W 18 X 50.00	1	7.92	7.92	395.8
W 12 X 27.00	1	18.25	18.25	492.8
W 12 X 27.00	2	10.17	20.33	549.0
W 12 X 27.00	1	5.00	5.00	135.0
W 12 X 27.00	3	3.75	11.25	303.8
W 12 X 27.00	1	3.67	3.67	99.0
W 12 X 27.00	2	3.27	6.54	176.6
W 8 X 24.00	2	14.58	29.17	700.0
W 8 X 24.00	4	14.50	58.00	1392.0
W 8 X 24.00	3	4.58	13.75	330.0
W 8 X 24.00	4	4.23	16.92	406.0
W 8 X 24.00	2	4.00	8.00	192.0
W 8 X 24.00	2	3.27	6.54	157.0
W 6 X 15.50	1	13.00	13.00	201.5
W 6 X 15.50	2	11.92	23.83	369.4
W 6 X 15.50	1	11.58	11.58	179.5
W 6 X 15.50	7	10.75	75.25	1166.4
W 6 X 15.50	1	10.00	10.00	155.0
W 6 X 15.50	2	8.92	17.83	276.4
W 6 X 15.50	1	8.75	8.75	135.6
W 6 X 15.50	1	8.00	8.00	124.0
W 6 X 15.50	3	7.75	23.25	360.4
W 6 X 15.50	1	7.17	7.17	111.1
W 6 X 15.50	2	5.83	11.67	180.8
W 6 X 15.50	1	5.75	5.75	89.1
W 6 X 15.50	2	4.92	9.83	152.4
W 6 X 15.50	1	4.33	4.33	67.2
W 6 X 15.50	4	3.00	12.00	186.0
W 6 X 15.50	1	2.92	2.92	45.2
W 6 X 15.50	2	2.75	5.50	85.3

TOTAL WEIGHT OF W-SHAPE MEMBERS= 17754.6

U.S.NAVY-ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT.)	TOTAL WEIGHT (POUNDS)	
2.21 X 3.58 X 1.250	3	23.76	1212.5	
1.74 X 1.74 X 1.250	6	18.17	927.2	
5.32 X 5.32 X 1.000	3	84.91	3467.0	
2.36 X 2.36 X 1.000	3	16.71	682.3	
0.67 X 1.10 X 1.000	6	4.42	180.4	
0.74 X 0.74 X 1.000	6	3.27	133.4	
1.79 X 1.79 X 0.750	6	19.22	588.8	
0.67 X 3.21 X 0.750	6	12.84	393.2	
0.88 X 1.21 X 0.750	2	2.11	64.7	
3.64 X 3.64 X 0.500	3	39.75	811.5	
0.67 X 10.08 X 0.500	3	20.17	411.8	
0.83 X 1.25 X 0.500	2	2.08	42.5	
1.00 X 1.00 X 0.500	3	3.00	61.2	
0.30 X 1.41 X 0.500	14	5.94	121.4	
0.17 X 0.71 X 0.500	50	5.91	120.7	
0.33 X 136.00 X 0.375	1	45.29	693.5	
0.21 X 48.50 X 0.375	2	20.18	308.9	
0.92 X 1.00 X 0.375	15	13.75	210.6	
0.25 X 2.50 X 0.375	1	0.63	9.6	
0.21 X 0.75 X 0.375	16	2.50	38.2	
25.27 X 25.27 X 0.276	1	638.57	7196.7	— 1/4" Checkered Floor Plate
19.66 X 19.66 X 0.276	1	386.52	4356.0	— 1/4" Checkered Floor Plate
0.33 X 183.00 X 0.250	1	60.94	622.1	
0.33 X 35.24 X 0.250	2	23.47	239.6	
0.33 X 25.21 X 0.250	2	16.79	171.4	
0.33 X 25.00 X 0.250	2	16.65	170.0	
0.33 X 23.00 X 0.250	1	7.66	78.2	
0.33 X 16.36 X 0.250	1	5.45	55.6	
0.33 X 16.33 X 0.250	2	10.88	111.0	
0.33 X 12.00 X 0.250	1	4.00	40.8	
0.33 X 5.00 X 0.250	2	3.33	34.0	
1.00 X 1.00 X 0.250	4	4.00	40.8	
0.17 X 2.45 X 0.250	1	0.41	4.2	
0.32 X 0.49 X 0.250	34	5.37	54.8	
0.38 X 0.38 X 0.250	2	0.28	2.9	

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
0.28 X 0.49 X 0.250	15	2.06	21.0
0.50 X 10.34 X 0.125	3	15.51	79.2

TOTAL WEIGHT OF PLATES = 23757.8

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT.)	TOTAL WEIGHT (POUNDS)
5.79 X 5.79	1	7.36	33.52	246.7
4.01 X 4.01	1	7.36	16.08	118.3
0.91 X 2.50	25	7.36	56.87	418.6
0.91 X 2.50	74	7.36	167.61	1233.6
0.63 X 3.22	1	7.36	2.01	14.8

TOTAL WEIGHT OF GRATING = 2032.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
5.000 X 3.000 X 0.375	1	11.33	11.33	110.3
5.000 X 3.000 X 0.375	3	10.42	31.25	304.1
5.000 X 3.000 X 0.375	1	9.60	9.60	93.4
5.000 X 3.000 X 0.375	1	5.23	5.23	50.9
5.000 X 3.000 X 0.375	1	4.38	4.38	42.6
5.000 X 3.000 X 0.375	1	2.33	2.33	22.7
5.000 X 3.000 X 0.375	2	1.83	3.67	35.7
5.000 X 3.000 X 0.375	1	1.33	1.33	13.0
5.000 X 3.000 X 0.375	7	0.58	4.08	39.7
4.000 X 3.000 X 0.375	2	8.00	16.00	135.3
4.000 X 3.000 X 0.375	2	3.67	7.33	62.0
3.000 X 3.000 X 0.375	1	40.00	40.00	287.1
3.000 X 3.000 X 0.250	4	1.33	5.33	26.1
2.500 X 2.500 X 0.250	4	3.22	12.87	52.0
2.500 X 2.500 X 0.250	33	2.50	82.50	333.4

TOTAL WEIGHT OF ANGLES = 1608.1

U.S.NAVY ACHR PLATFORMS SUPERSTRUCTURE 27-771-01 - BILL OF MATERIALS & WEIGHT

CHANNELS

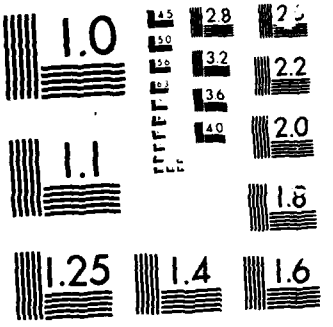
NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
C 12 X 25.00	2	37.00	74.00	1850.0
C 12 X 25.00	2	16.67	33.33	833.3
C 12 X 25.00	1	16.36	16.36	409.0
C 12 X 25.00	2	5.00	10.00	250.0
C 12 X 25.00	1	3.00	3.00	75.0
C 12 X 20.70	3	1.25	3.75	77.6
C 10 X 15.30	2	25.50	51.00	780.3

TOTAL WEIGHT OF CHANNELS = 4275.3

TOTAL WEIGHT = 132752.7

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614 7/7

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 1.000 WT	15.00	6574.43
30.000 O.D. X 1.750 WT	15.00	7927.39
30.000 O.D. X 1.500 WT	32.98	15070.58
30.000 O.D. X 1.000 WT	103.52	32093.53
12.750 O.D. X 1.000 WT	8.00	1005.00
12.750 O.D. X 0.750 WT	22.62	2176.58
12.750 O.D. X 0.500 WT	139.88	9158.79
8.625 O.D. X 0.500 WT	55.50	2410.29
8.625 O.D. X 0.322 WT	27.58	788.14
6.625 O.D. X 0.500 WT	29.00	949.45
4.500 O.D. X 0.337 WT	82.50	1237.31
2.375 O.D. X 0.154 WT	87.08	318.39
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	1213.00	3299.81
W SHAPE		
W 21 X 73.00	26.67	1946.69
W 18 X 50.00	139.79	6989.60
W 12 X 27.00	65.04	1756.11

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W 8 X 24.00	132.37	3176.90
W 6 X 15.50	250.67	3885.35

CHANNELS

C 12 X 25.00	136.60	3417.35
C 12 X 20.70	3.75	77.62
C 10 X 15.30	51.00	780.30

ANGLE

5.000 X 3.000 X 0.375	73.20	712.23
4.000 X 3.000 X 0.375	23.33	197.26
3.000 X 3.000 X 0.375	40.00	287.11
3.000 X 3.000 X 0.250	5.33	26.08
2.500 X 2.500 X 0.250	95.37	385.38

PLATE

1.250 THICKNESS	41.92	2139.71
1.000 THICKNESS	109.30	8463.16
0.750 THICKNESS	34.18	1046.67
0.500 THICKNESS	76.86	1569.18
0.375 THICKNESS	82.34	1260.83
0.250 THICKNESS	1186.36 (1025 FT²)*	13199.09 - (11552.7#)*
0.125 THICKNESS	15.51	79.17

* 1/4" Checkered Floor Plate

GRATING

7.360 LBS PER SQ FT	276.10	2032.10

TOTAL WEIGHT 132752.69 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

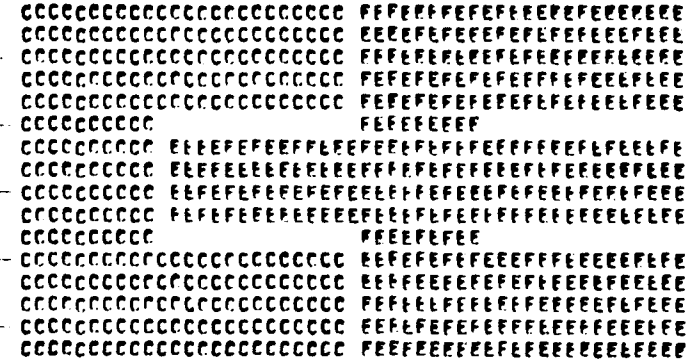
1	48.000	1.750	0.0	3	7.500	SHT.1	JKTCAN
1	47.500	1.500	0.0	3	24.050	SHT.1	JKTLEG
1	45.500	0.500	0.0	3	18.440	SHT.1	JKTLEG
1	47.500	1.500	0.0	3	7.000	SHT.1	JKTCAN
1	45.500	0.500	0.0	3	21.110	SHT.1	JKTLEG
1	47.500	1.500	0.0	3	7.000	SHT.1	JKTCAN
1	45.500	0.500	0.0	3	21.780	SHT.1	JKTLEG
1	47.000	1.250	0.0	3	6.000	SHT.1	JKTLEG
1	16.000	0.750	0.0	6	2.458	SHT.1	JKTHORIZBRC
1	16.000	0.625	0.0	3	26.970	SHT.1	JKTHORIZBRC
1	20.000	1.125	0.0	3	38.150	SHT.1	JKTDIAGBRC
1	20.000	0.750	0.0	3	2.750	SHT.1	JKTDIAGBRC
1	20.000	0.750	0.0	3	3.417	SHT.1	JKTDIAGBRC
1	20.000	0.625	0.0	3	43.680	SHT.1	JKTDIAGBRC
1	12.750	0.375	0.0	3	33.770	SHT.1	JKTHORIZBRC
1	12.750	0.375	0.0	3	41.350	SHT.1	JKTHORIZBRC
1	20.000	0.750	0.0	3	2.667	SHT.1	JKTDIAGBRC
1	20.000	0.625	0.0	3	57.760	SHT.1	JKTDIAGBRC
1	14.000	0.500	0.0	3	49.320	SHT.1	JKTHORIZBRC
1	16.000	0.750	0.0	6	3.083	SHT.1	JKTDIAGBRC
1	16.000	0.750	0.0	6	3.250	SHT.1	JKTDIAGBRC
1	16.000	0.625	0.0	6	35.450	SHT.1	JKTDIAGBRC
1	20.000	0.625	0.0	6	24.130	SHT.1	JKTHORIZBRC
1	24.000	0.875	0.0	3	7.000	SHT.1	JKTHORIZBRC
3	1.250	6.280	0.750	6	0.0	SHT.1	JKTHORIZBRC
1	2.875	0.375	0.0	12	0.500	SHT.3	(+)12=0
3	0.250	4.500	0.250	1	0.0	SHT.3	(+)12=0
1	10.750	0.365	0.0	3	14.833	SHT.3	(+)12=0
1	6.625	0.280	0.0	1	54.750	SHT.3	(+)12=0
1	8.625	0.500	0.0	1	18.420	SHT.3	(+)12=0
4	5.000	9.167	0.0	1	7.360	SHT.3	(+)12=0
4	4.000	17.000	0.0	1	7.360	SHT.3	(+)12=0
4	9.080	9.080	0.0	1	7.360	SHT.3	(+)12=0
1	10.750	0.365	0.0	3	17.750	SHT. 4	(=)13=0
1	10.750	0.365	0.0	3	21.583	SHT. 4	(=)39=0
1	10.750	0.365	0.0	3	25.333	SHT. 5	(=)66=0
1	14.000	0.375	0.0	3	28.500	SHT. 5	(=)93=0
3	1.552	2.583	1.375	6	0.0	SHIM PLATES	
3	1.552	2.583	1.250	24	0.0	SHIM PLATES	
3	1.552	2.583	1.125	6	0.0	SHIM PLATES	
3	1.500	2.460	0.625	12	0.0	PILE GUIDES	
3	2.000	2.460	0.625	48	0.0	PILE GUIDES	
3	3.544	3.544	0.625	3	0.0	FLOODING SYSTEM	
3	0.500	1.500	0.500	6	0.0	FLOODING SYSTEM	
5	4.000	6.000	0.375	6	4.000	FLOODING SYSTEM	
1	10.750	0.365	0.0	3	0.500	FLOODING SYSTEM	
3	0.437	0.437	0.250	3	0.0	FLOODING SYSTEM	
1	2.375	0.154	0.0	3	103.500	FLOODING SYSTEM	
1	3.500	0.216	0.0	11	1.000	FLOODING SYSTEM	
1	3.500	0.216	0.0	11	1.250	FLOODING SYSTEM	
3	1.250	1.250	0.375	2	0.0	FLOODING SYSTEM	
3	1.000	1.000	0.375	1	0.0	FLOODING SYSTEM	
3	1.667	5.500	2.000	2	0.0	LIFTING EYES DET.1	
3	1.330	1.330	1.500	4	0.0	LIFTING EYES DET.1	
3	1.437	2.250	1.000	8	0.0	LIFTING EYES DET.1	
3	1.667	5.500	2.000	3	0.0	LIFTING EYES SEC.A	
3	1.330	1.330	1.500	6	0.0	LIFTING EYES SEC.A	
3	1.437	2.250	1.000	6	0.0	LIFTING EYES SEC.A	
3	1.000	1.000	0.500	40	0.0	ANODE GUSSETS	

MATERIAL LISTING PROGRAM

CREST OFFSHORE, INC.

TULSA, OKLAHOMA

CREATED IN APRIL 1974
MODIFIED FEB 1975



U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27=771=01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
48.000 O.D. X 1.750 WT	3	7.50	22.50	19467.7
47.500 O.D. X 1.500 WT	3	24.05	72.15	53219.1
47.500 O.D. X 1.500 WT	6	7.00	42.00	30980.0
47.000 O.D. X 1.250 WT	3	6.00	18.00	11004.1
45.500 O.D. X 0.500 WT	3	21.78	65.34	15716.1
45.500 O.D. X 0.500 WT	3	21.11	63.33	15232.6
45.500 O.D. X 0.500 WT	3	18.44	55.32	13306.0
24.000 O.D. X 0.875 WT	3	7.00	21.00	4542.5
20.000 O.D. X 1.125 WT	3	38.15	114.45	25979.9
20.000 O.D. X 0.750 WT	3	3.42	10.25	1582.1
20.000 O.D. X 0.750 WT	3	2.75	8.25	1273.3
20.000 O.D. X 0.750 WT	3	2.67	8.00	1234.9
20.000 O.D. X 0.625 WT	3	57.76	173.28	22431.2
20.000 O.D. X 0.625 WT	3	43.68	131.04	16963.2
20.000 O.D. X 0.625 WT	6	24.13	144.78	18741.9
16.000 O.D. X 0.750 WT	6	3.25	19.50	2384.2
16.000 O.D. X 0.750 WT	6	3.08	18.50	2261.7
16.000 O.D. X 0.750 WT	6	2.46	14.75	1803.2
16.000 O.D. X 0.625 WT	6	35.45	212.70	21849.7
16.000 O.D. X 0.625 WT	3	26.97	80.91	8311.5
14.000 O.D. X 0.500 WT	3	49.32	147.96	10676.5
14.000 O.D. X 0.375 WT	3	28.50	85.50	4670.0
12.750 O.D. X 0.375 WT	3	41.35	124.05	6154.0
12.750 O.D. X 0.375 WT	3	33.77	101.31	5025.9
10.750 O.D. X 0.365 WT	3	25.33	76.00	3079.6
10.750 O.D. X 0.365 WT	3	21.58	64.75	2623.7
10.750 O.D. X 0.365 WT	3	17.75	53.25	2157.8
10.750 O.D. X 0.365 WT	3	14.83	44.50	1803.2
10.750 O.D. X 0.365 WT	3	0.50	1.50	60.8
8.625 O.D. X 0.500 WT	1	18.42	18.42	800.0
6.625 O.D. X 0.280 WT	1	54.75	54.75	1039.8
3.500 O.D. X 0.216 WT	11	1.25	13.75	104.3
3.500 O.D. X 0.216 WT	11	1.00	11.00	83.4
2.875 O.D. X 0.375 WT	12	0.50	6.00	60.1
.375 O.D. X 0.154 WT	3	103.50	310.50	1135.3

TOTAL WEIGHT OF PIPE MEMBERS = 327758.2

U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
1.67 X 5.50 X 2.000	5	45.84	3743.8
1.33 X 1.33 X 1.500	10	17.69	1083.4
1.55 X 2.58 X 1.375	6	24.05	1350.5
1.55 X 2.58 X 1.250	24	96.21	4910.8
1.55 X 2.58 X 1.125	6	24.05	1104.9
1.44 X 2.25 X 1.000	14	45.27	1848.3
1.25 X 6.28 X 0.750	6	47.10	1442.4
3.54 X 3.54 X 0.625	3	37.68	961.6
2.00 X 2.46 X 0.625	48	236.16	6027.0
1.50 X 2.46 X 0.625	12	44.28	1130.1
1.00 X 1.00 X 0.500	60	60.00	1225.0
0.50 X 1.50 X 0.500	6	4.50	91.9
1.25 X 1.25 X 0.375	2	3.13	47.9
1.00 X 1.00 X 0.375	1	1.00	15.3
0.25 X 4.50 X 0.250	1	1.13	11.5
0.44 X 0.44 X 0.250	3	0.57	5.8

TOTAL WEIGHT OF PLATES = 25000.2

U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
9.08 X 9.08	1	7.36	82.45	606.8
4.00 X 17.00	1	7.36	68.00	500.5
5.00 X 9.17	1	7.36	45.83	337.3

TOTAL WEIGHT OF GRATING = 1444.6

U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
4.000 X 6.000 X 0.375	6	4.00	24.00	294.8

TOTAL WEIGHT OF ANGLES = 294.8

TOTAL WEIGHT = 354497.8

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
48.000 O.D. x 1.750 WT	22.50	19467.71
47.500 O.D. x 1.500 WT	114.15	84199.13
47.000 O.D. x 1.250 WT	18.00	11004.15
45.500 O.D. x 0.500 WT	185.99	44254.69
24.000 O.D. x 0.875 WT	21.00	4542.47
20.000 O.D. x 1.125 WT	114.45	25979.93
20.000 O.D. x 0.750 WT	26.50	4090.28
20.000 O.D. x 0.625 WT	449.10	58136.29
16.000 O.D. x 0.750 WT	52.75	6449.16
16.000 O.D. x 0.625 WT	293.61	30161.21
14.000 O.D. x 0.500 WT	147.96	10676.54
14.000 O.D. x 0.375 WT	85.50	4669.99
12.750 O.D. x 0.375 WT	225.36	11179.85
10.750 O.D. x 0.365 WT	240.00	9724.97
8.625 O.D. x 0.500 WT	18.42	799.96
6.625 O.D. x 0.280 WT	54.75	1039.82
3.500 O.D. x 0.216 WT	24.75	187.68
2.875 O.D. x 0.375 WT	6.00	60.13
2.375 O.D. x 0.154 WT	310.50	1135.31

BILL OF MATERIALS SUMMARY
U.S.NAVY ACHR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE		
6.000 X 6.000 X 0.375	24.00	294.77
PLATE		
2.000 THICKNESS	45.84	3743.80
1.500 THICKNESS	17.69	1083.45
1.375 THICKNESS	24.05	1350.47
1.250 THICKNESS	96.21	4910.79
1.125 THICKNESS	24.05	1104.93
1.000 THICKNESS	45.27	1848.34
0.750 THICKNESS	47.10	1442.44
0.625 THICKNESS	318.12	8118.67
0.500 THICKNESS	64.50	1316.87
0.375 THICKNESS	4.13	63.16
0.250 THICKNESS	1.70	17.33
GRATING		
7.360 LBS PER SQ FT	196.28	1444.63

TOTAL WEIGHT 354497.75 LBS

LIST OF INPUT DATA ** U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

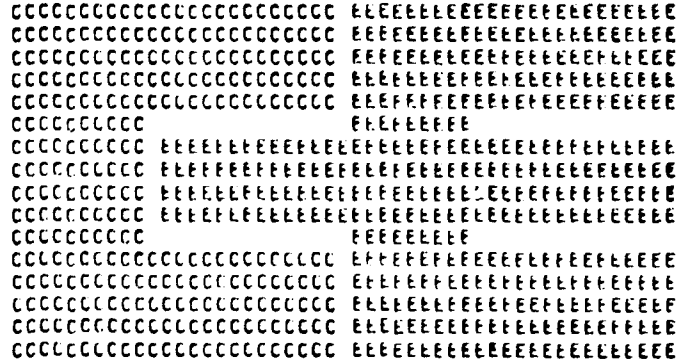
1	6.625	0.432	0.0	2	12.833	BOAT LANDING
1	6.625	0.432	0.0	3	8.583	BOAT LANDING
1	6.625	0.432	0.0	2	2.667	BOAT LANDING
1	6.625	0.432	0.0	14	3.833	BOAT LANDING
1	6.625	0.432	0.0	4	13.360	BOAT LANDING
1	6.625	0.432	0.0	4	10.440	BOAT LANDING
1	4.500	0.337	0.0	3	4.083	BOAT LANDING
1	4.500	0.337	0.0	5	10.250	BOAT LANDING
1	12.750	0.843	0.0	2	15.000	BOAT LANDING
1	6.625	0.432	0.0	6	5.167	BOAT LANDING
1	6.625	0.432	0.0	4	5.667	BOAT LANDING
1	6.625	0.432	0.0	1	3.500	BOAT LANDING
1	8.625	0.500	0.0	6	4.333	BOAT LANDING
1	8.625	0.500	0.0	4	3.500	BOAT LANDING
1	6.625	0.432	0.0	1	9.750	BOAT LANDING
1	8.625	0.500	0.0	1	10.917	BOAT LANDING
1	8.625	0.500	0.0	4	21.750	BOAT LANDING
1	12.750	0.843	0.0	2	1.917	BOAT LANDING
1	2.375	0.218	0.0	10	0.333	BOAT LANDING
1	1.900	0.281	0.0	1	65.000	BOAT LANDING
1	12.750	0.843	0.0	2	2.000	BOAT LANDING
4	4.000	10.250	0.0	1	7.360	BOAT LANDING
4	3.000	4.000	0.0	2	7.360	BOAT LANDING
4	4.000	10.250	0.0	1	7.360	BOAT LANDING
3	1.167	1.167	0.500	2	0.0	BOAT LANDING
1	1.900	0.145	0.0	1	75.000	BOAT LANDING
6	6.000	8.200	0.0	2	3.750	BOAT LANDING
6	6.000	8.200	0.0	2	4.250	BOAT LANDING
4	0.510	2.500	0.0	3	7.360	BOAT LANDING
4	0.708	2.792	0.0	1	7.360	BOAT LANDING
5	2.000	2.000	0.250	1	3.000	BOAT LANDING
4	0.583	2.500	0.0	3	7.360	BOAT LANDING
5	1.000	1.000	0.125	1	3.000	BOAT LANDING
3	4.790	4.500	0.750	2	0.0	BOAT LANDING
3	3.167	2.500	0.750	2	0.0	BOAT LANDING
3	1.500	2.000	0.750	2	0.0	BOAT LANDING
1	12.750	0.843	0.0	2	4.000	BOAT LANDING
1	12.750	0.843	0.0	2	1.000	BOAT LANDING
1	10.750	0.500	0.0	2	1.333	BOAT LANDING
1	4.500	0.337	0.0	2	4.000	BOAT LANDING
6	12.000	20.700	0.0	2	1.250	BOAT LANDING
3	0.583	0.750	0.500	16	0.0	BOAT LANDING

MATERIAL LISTING PROGRAM

CREST OFFSHORE, INC.

TULSA, OKLAHOMA

CREATED IN APRIL 1974
MODIFIED FEB 1975



U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
12.750 O.D. X 0.843 WT	2	15.00	30.00	3219.1
12.750 O.D. X 0.843 WT	2	4.00	8.00	858.4
12.750 O.D. X 0.843 WT	2	2.00	4.00	429.2
12.750 O.D. X 0.843 WT	2	1.92	3.83	411.4
12.750 O.D. X 0.843 WT	2	1.00	2.00	214.6
10.750 O.D. X 0.500 WT	2	1.33	2.67	146.1
8.625 O.D. X 0.500 WT	4	21.75	87.00	3778.3
8.625 O.D. X 0.500 WT	1	10.92	10.92	474.1
8.625 O.D. X 0.500 WT	6	4.33	26.00	1129.1
8.625 O.D. X 0.500 WT	4	3.50	14.00	608.0
6.625 O.D. X 0.432 WT	4	13.36	53.44	1528.4
6.625 O.D. X 0.432 WT	2	12.83	25.67	734.1
6.625 O.D. X 0.432 WT	4	10.44	41.76	1194.3
6.625 O.D. X 0.432 WT	1	9.75	9.75	278.9
6.625 O.D. X 0.432 WT	3	8.58	25.75	736.5
6.625 O.D. X 0.432 WT	4	5.67	22.67	648.3
6.625 O.D. X 0.432 WT	6	5.17	31.00	886.7
6.625 O.D. X 0.432 WT	14	3.83	53.66	1534.7
6.625 O.D. X 0.432 WT	1	3.50	3.50	100.1
6.625 O.D. X 0.432 WT	2	2.67	5.33	152.6
4.500 O.D. X 0.337 WT	5	10.25	51.25	768.6
4.500 O.D. X 0.337 WT	3	4.08	12.25	183.7
4.500 O.D. X 0.337 WT	2	4.00	8.00	120.0
2.375 O.D. X 0.218 WT	10	0.33	3.33	16.7
1.900 O.D. X 0.281 WT	1	65.00	65.00	316.1
1.900 O.D. X 0.145 WT	1	75.00	75.00	204.0

TOTAL WEIGHT OF PIPE MEMBERS = 20671.9

U,S,NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ, FT)	TOTAL WEIGHT (POUNDS)
4,79 X 4,50 X 0,750	2	43,11	1320,2
3,17 X 2,50 X 0,750	2	15,83	484,9
1,50 X 2,00 X 0,750	2	6,00	183,7
1,17 X 1,17 X 0,500	2	2,72	55,6
0,58 X 0,75 X 0,500	16	7,00	142,8

TOTAL WEIGHT OF PLATES = 2187,4

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

GRATING

NUMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
4.00 X 10.25	2	7.36	82.00	603.5
3.00 X 4.00	2	7.36	24.00	176.6
0.71 X 2.79	1	7.36	1.98	14.5
0.58 X 2.50	3	7.36	4.37	32.2
0.51 X 2.50	3	7.36	3.82	28.2

TOTAL WEIGHT OF GRATING = 855.0

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
2.000 X 2.000 X 0.250	1	3.00	3.00	9.6
1.000 X 1.000 X 0.125	1	3.00	3.00	2.4

TOTAL WEIGHT OF ANGLES = 12.0

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

CHANNELS

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
C 12 X 20.70	2	1.25	2.50	51.7
C 6 X 8.20	2	4.25	8.50	69.7
C 6 X 8.20	2	3.75	7.50	61.5

TOTAL WEIGHT OF CHANNELS = 182.9

TOTAL WEIGHT = 23909.2

BILL OF MATERIALS SUMMARY
U.S.NAVY ACHR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

NUMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
12.750 O.D. X 0.843 WT	47.83	5132.74
10.750 O.D. X 0.500 WT	2.67	146.06
8.625 O.D. X 0.500 WT	137.91	5989.45
6.625 O.D. X 0.432 WT	272.55	7794.44
4.500 O.D. X 0.337 WT	71.50	1072.31
2.375 O.D. X 0.218 WT	3.33	16.74
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	75.00	204.03
CHANNELS		
C 12 X 20.70	2.50	51.75
C 6 X 8.20	16.00	131.20
ANGLE		
2.000 X 2.000 X 0.250	3.00	9.57
1.000 X 1.000 X 0.125	3.00	2.39

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE		
0.750 THICKNESS	64.94	1988.94
0.500 THICKNESS	9.72	198.45
GRATING		
7.360 LBS PER SQ FT	116.17	855.04
TOTAL WEIGHT		23909.20 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

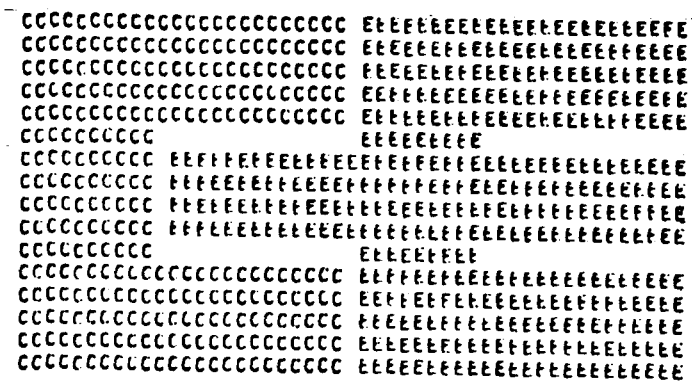
1	18,000	0.750	0.0	2	1,917	BARGE FENDER
1	18,000	0.750	0.0	2	21,458	BARGE FENDER
1	16,000	0.750	0.0	2	4,000	BARGE FENDER
1	16,000	0.750	0.0	2	2,187	BARGE FENDER
3	4,500	6.000	1.000	2	0.0	BARGE FENDER
3	2,250	3.000	0.750	4	0.0	BARGE FENDER
3	5,333	5.750	0.750	2	0.0	BARGE FENDER
3	1,333	1,333	0.750	2	0.0	BARGE FENDER
3	1,333	4,417	0.750	4	0.0	BARGE FENDER
3	2,250	1,875	0.750	2	0.0	BARGE FENDER
3	2,833	2,833	0.500	2	0.0	BARGE FENDER
3	1,380	1,380	0.750	4	0.0	BARGE FENDER

MATERIAL LISTING PROGRAM

CREST OFFSHORE, INC.

TULSA, OKLAHOMA

CREATED IN APRIL 1974
MODIFIED FEB 1975



U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
18.000 O.D. X 0.750 WT	2	21.46	42.92	5935.4
18.000 O.D. X 0.750 WT	2	1.92	3.83	530.3
16.000 O.D. X 0.750 WT	2	4.00	8.00	978.1
16.000 O.D. X 0.750 WT	2	2.19	4.37	534.8

TOTAL WEIGHT OF PIPE MEMBERS = 7978.6

U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
4.50 X 6.00 X 1.000	2	54.00	2205.0
3.33 X 3.75 X 0.750	2	25.00	765.5
2.25 X 3.00 X 0.750	4	27.00	826.9
1.33 X 4.42 X 0.750	4	23.55	721.3
2.25 X 1.88 X 0.750	2	8.44	258.4
[illegible]8 X 1.38 X 0.750	4	7.62	233.3
[illegible].33 X 1.33 X 0.750	2	3.55	108.8
2.83 X 2.83 X 0.500	2	16.05	327.7

TOTAL WEIGHT OF PLATES = 5446.9

TOTAL WEIGHT = 13425.5

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
18,000 O.D. X 0.750 WT	46.75	6465.68
16.000 O.D. X 0.750 WT	12.37	1512.95
PLATE		
1.000 THICKNESS	54.00	2205.00
0.750 THICKNESS	95.16	2914.21
0.500 THICKNESS	16.05	327.72
TOTAL WEIGHT		13425.55 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATF RH JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

1	42.000	2.000	0.0	3	10.000	PILE SECTION
1	42.000	2.000	0.0	3	35.000	PILE SECTION
1	42.000	2.000	0.0	3	47.000	PILE SECTION
1	42.000	2.375	0.0	3	10.000	PILE SECTION
1	42.000	2.375	0.0	3	57.000	PILE SECTION
1	42.000	2.375	0.0	3	12.000	PILE SECTION
1	42.000	2.000	0.0	3	45.000	PILE SECTION
1	42.000	2.000	0.0	3	173.000	PILE SECTION
1	42.000	2.500	0.0	3	2.000	PILE SECTION
1	39.750	0.625	0.0	6	8.000	PILE SPLICE POINT
1	37.000	0.625	0.0	6	8.000	PILE SPLICE POINT

MATERIAL LISTING PROGRAM

CREST OFFSHORE, INC.

TULSA, OKLAHOMA

CREATED IN APRIL 1974
MODIFIED FEB 1975

U.S.NAVY ACMR PLATFORM JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

U.S.NAVY ACMR PLATFORM JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
42.000 O.D. X 2.500 WT	3	2.00	6.00	6333.9
42.000 O.D. X 2.375 WT	3	57.00	171.00	172032.9
42.000 O.D. X 2.375 WT	3	12.00	36.00	36217.5
42.000 O.D. X 2.375 WT	3	10.00	30.00	30181.2
42.000 O.D. X 2.000 WT	3	173.00	519.00	443854.1
42.000 O.D. X 2.000 WT	3	47.00	141.00	120584.6
42.000 O.D. X 2.000 WT	3	45.00	135.00	115453.8
42.000 O.D. X 2.000 WT	3	35.00	105.00	89797.1
42.000 O.D. X 2.000 WT	3	10.00	30.00	25656.3
39.750 O.D. X 0.625 WT	6	8.00	48.00	12547.5
37.000 O.D. X 0.625 WT	6	8.00	48.00	11665.4

TOTAL WEIGHT OF PIPE MEMBERS = 1064323.0

TOTAL WEIGHT = 1064323.0

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 2.500 WT	6.00	6333.89
42.000 O.D. X 2.375 WT	237.00	238431.56
42.000 O.D. X 2.000 WT	930.00	795345.38
39.750 O.D. X 0.625 WT	48.00	12547.54
37.000 O.D. X 0.625 WT	48.00	11665.60
TOTAL WEIGHT		1064323.00 LBS

END
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