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DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR  
COMBAT MANEUVERING R. (U) CREST ENGINEERING INC TULSA

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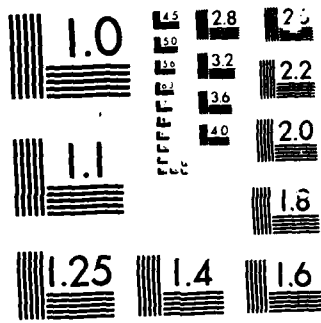
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DESIGN CALCULATIONS

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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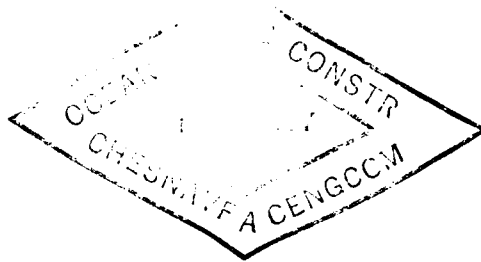
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DESIGN CALCULATIONS

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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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 ( $N36^{\circ} 13' 36''$ ,  $W 75^{\circ} 14' 59''$ ) 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 theoretical 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

$$C_D = 0.74 \quad C_M = 1.34$$

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:

$$D_{eff} = (D_{act} + 2.0") \left( \frac{1.02}{0.74} \right)$$

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. <sup>2</sup>
Top Deck Area	364.0 ft. <sup>2</sup>

1.5.D Structural Steel Weight

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



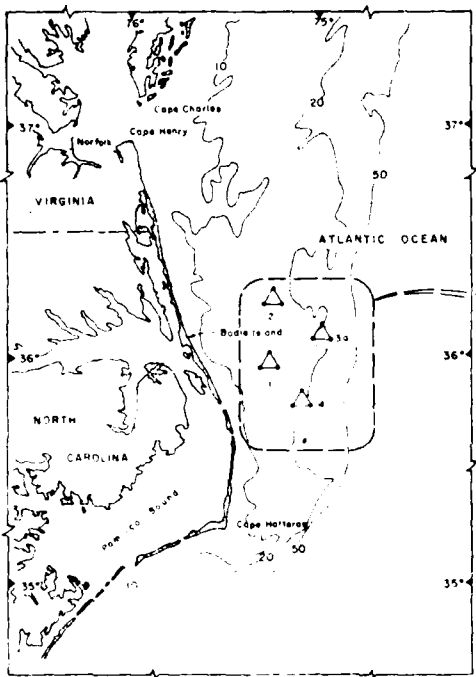
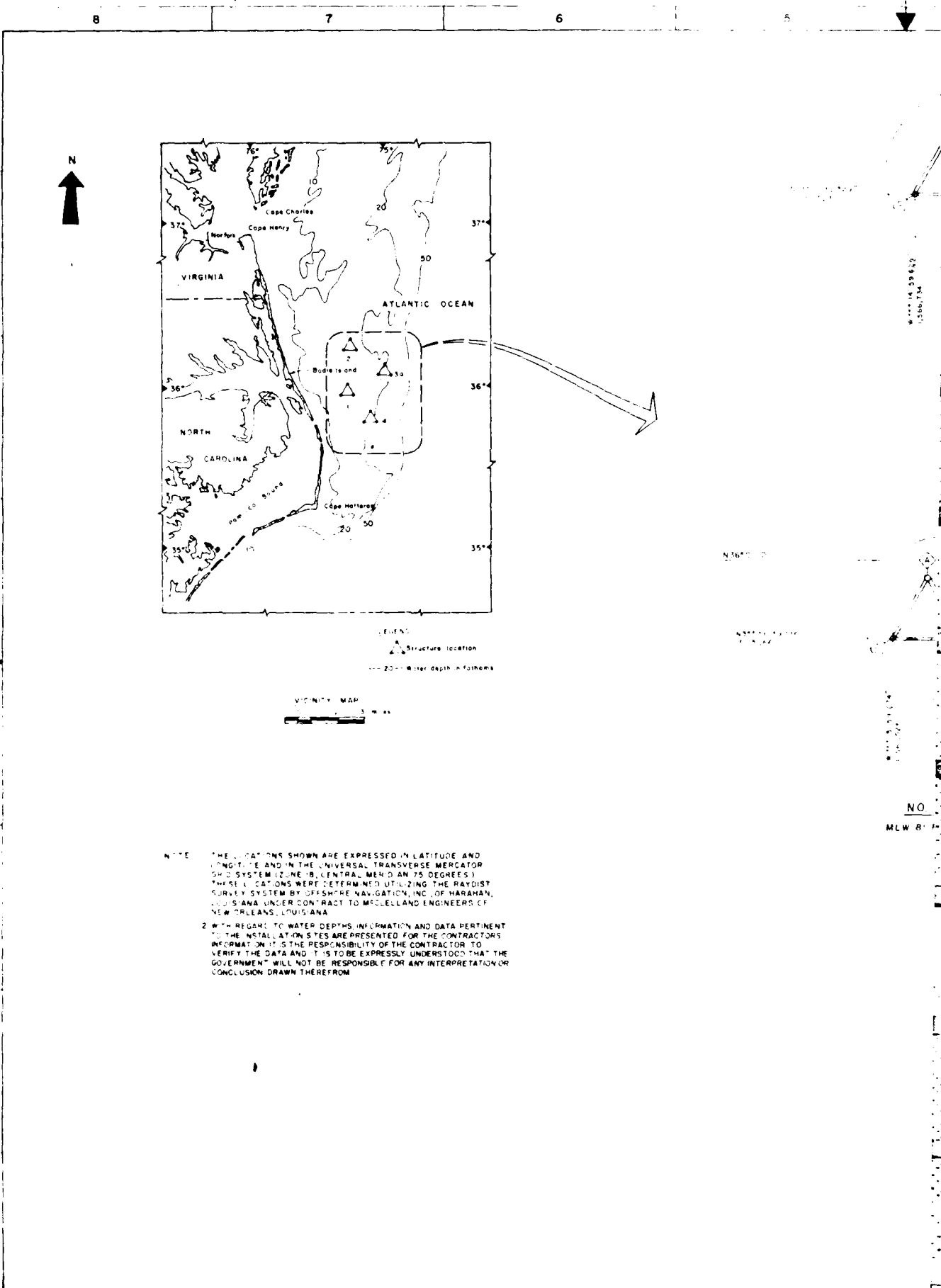
SECTION 2.0  
STRUCTURAL DRAWINGS

## 2.1 INTRODUCTION

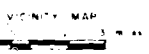
A few selected structural engineering drawings are included in this chapter for reference to the design calculations. The Introduction to each Section in this report lists the appropriate drawings pertinent to that particular section. Reference then can be made to this section of the report for a reduced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



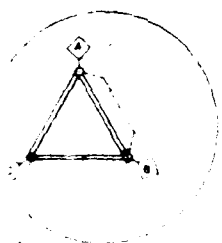
NOTE: THE LOCATIONS SHOWN ARE EXPRESSED IN LATITUDE AND LONGITUDE AND IN THE UNIVERSAL TRANSVERSE MERCATOR GRID SYSTEM (ZONE 18, CENTRAL MERIDIAN 75 DEGREES). THESE LOCATIONS WERE DETERMINED UTILIZING THE RADIST SURVEY SYSTEM BY OFFSHORE NAVIGATION, INC. OF HARAHAN, LOUISIANA UNDER CONTRACT TO MOELLEND 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.

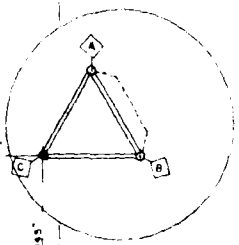
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 MLW B



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NO.	DESCRIPTION



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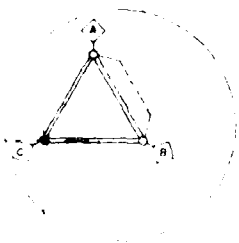
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N36° 00' 00"

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MLW 105 FT



**NO. 1**  
MLW 81 FT

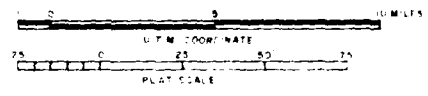


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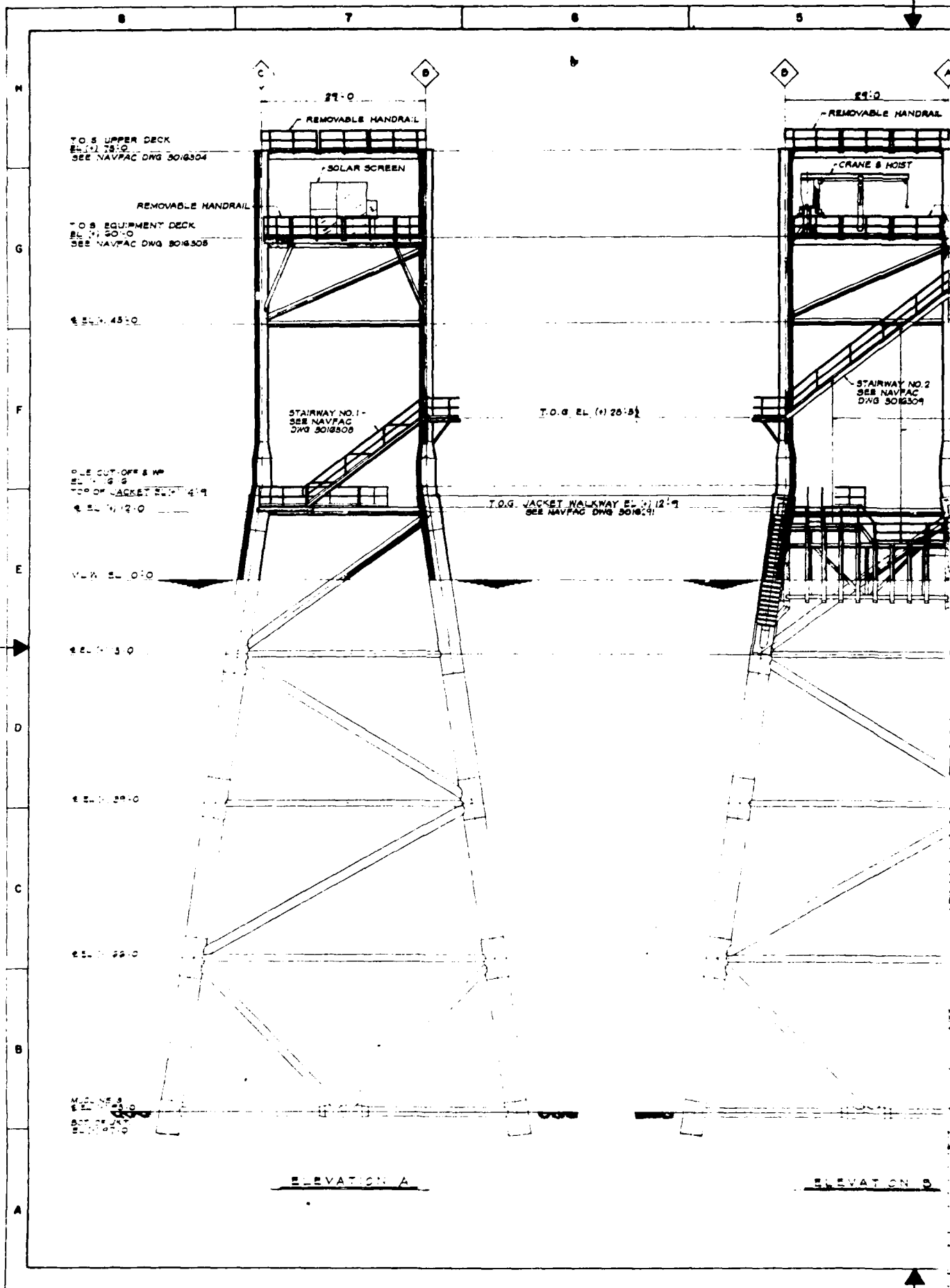
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**SCALES**



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H  
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A



TO S UPPER DECK  
EL. 29'-0"  
SEE NAVFAC DWG 3016304

REMOVABLE HANDRAIL  
TO S EQUIPMENT DECK  
EL. 30'-0"  
SEE NAVFAC DWG 3016305

EL. 45'-0"

P.L.E. CUT-OFF & HP  
EL. 12'-7"  
TOP OF JACKET SHEET 4'-7"  
EL. 12'-0"

V.L.W. EL. 0'-0"

EL. 13'-0"

EL. 28'-0"

EL. 29'-0"

W/OUT 1/2"  
EL. 29'-0"  
SEE NAVFAC DWG 3016304

29'-0"

REMOVABLE HANDRAIL

SOLAR SCREEN

STAIRWAY NO. 1  
SEE NAVFAC  
DWG 3016306

T.O.G. EL. (H) 26'-8"

T.O.G. JACKET WALKWAY EL. 12'-7"  
SEE NAVFAC DWG 3016309

29'-0"

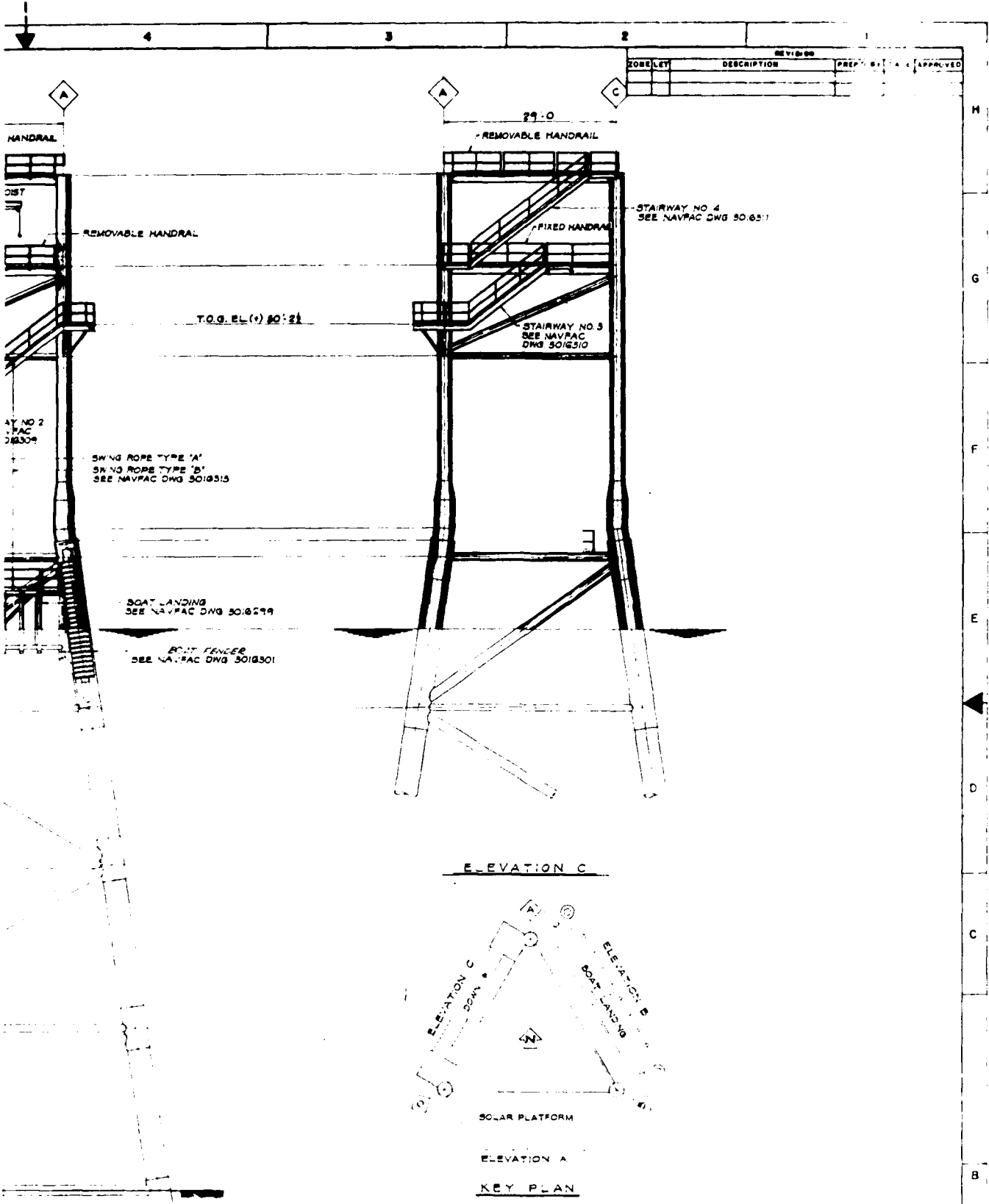
REMOVABLE HANDRAIL

CRANE & HOIST

STAIRWAY NO. 2  
SEE NAVFAC  
DWG 3016309

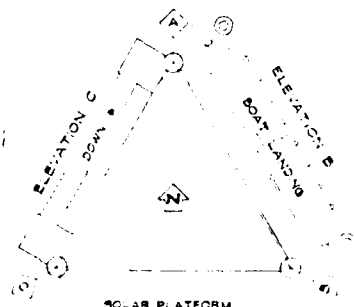
ELEVATION A

ELEVATION B



REVISION			
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ELEVATION C



SOLAR PLATFORM

ELEVATION A

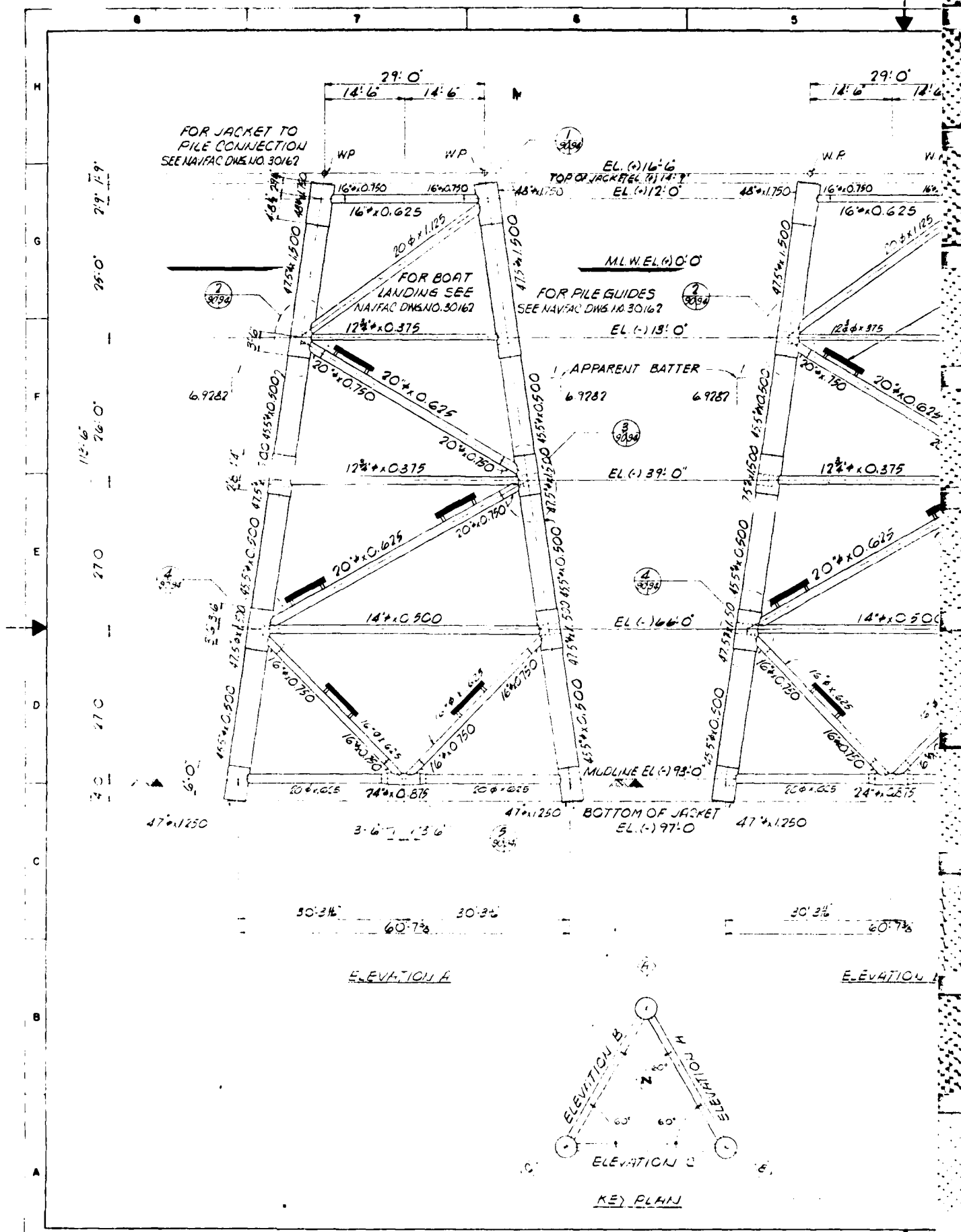
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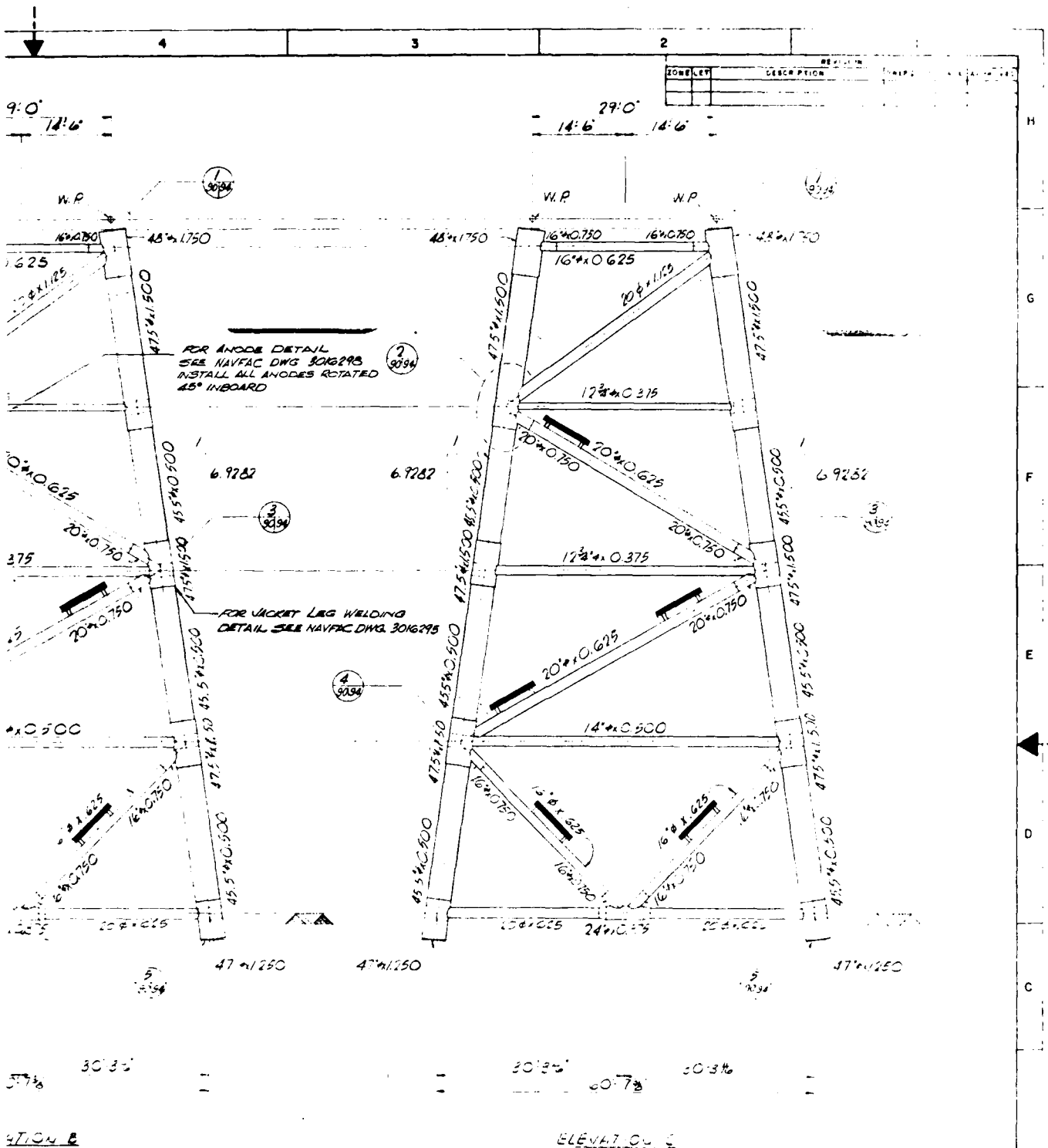
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GRAPHIC SCALE

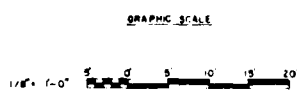


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DRAWN BY: [blank] CHECKED BY: [blank]	DATE: [blank]	ACNR PLATFORM 2 EAST COAST, USA
OCEAN ENGR & CONSTR PROJ OFF PROJ- EIC [blank] DIV [blank]	APPROVED HEAD PFD-1 [blank]	NAVPAC DRAWING NO. 3016289
DIR ENGR & DES DIV	APPROVED [blank]	CONSTRUCTION CONTROL NO. 000011 TO C. C. 92
ETD FOR COMMANDER, NAVPAC	SCALE: 1/4" = 1'-0"	SPEC. IN DWG SHEET 14 OF 21



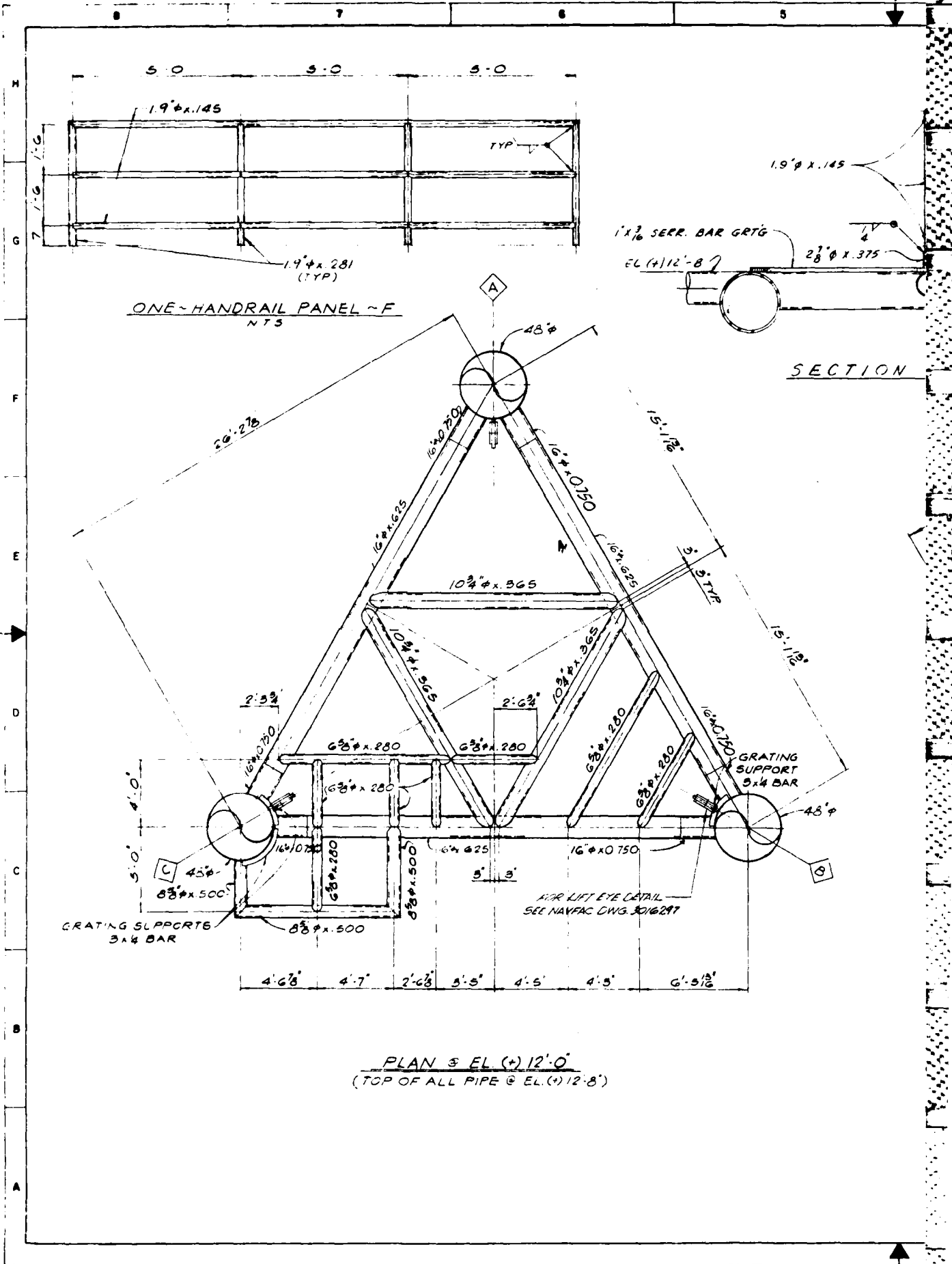


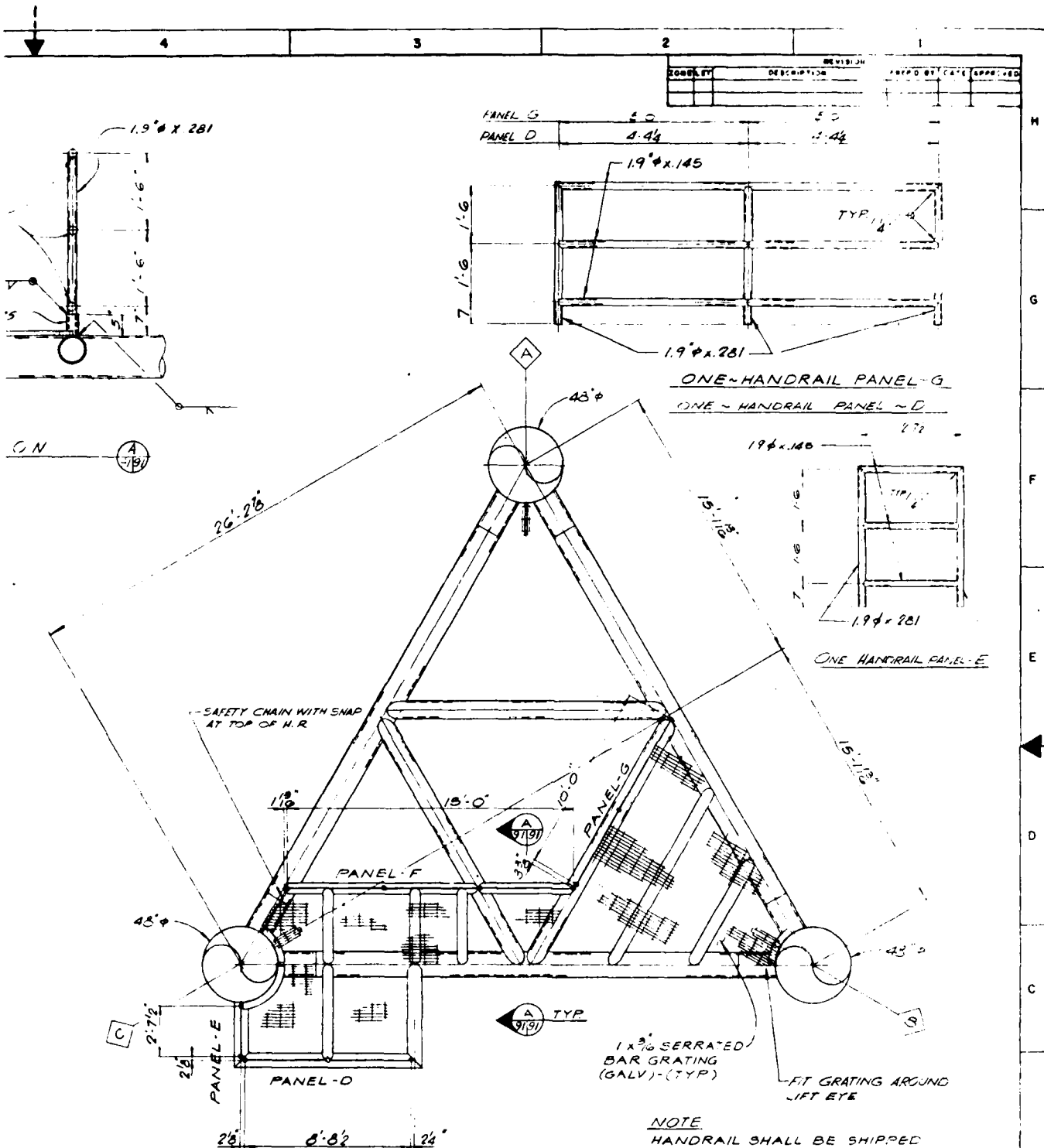
FOR SEVERAL NOTES SEE NAVFAC DWG 3016293  
 ALL JOINTS ARE TO BE ASTM A-333 GRADE A OR API 5L  
 STEEL ENDS OF BRACES TO BE A-53 GRADE B OR API GRADE B



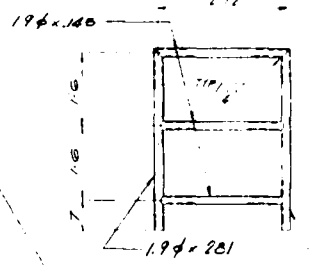
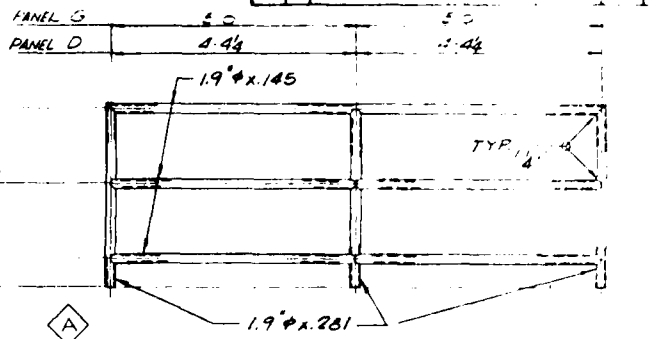
CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS-ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.	
DESIGNED BY: [Signature]	CHECKED BY: [Signature]	JACKET ELEVATIONS	
APPROVED HEAD PFD: [Signature]	DATE: [Date]	ACMR PLATFORM 2	EAST COAST USA
APPROVED: [Signature]	DATE: [Date]	NAVFAC DRAWING NO: 3016290	
FPD FOR COMMANDER, NAVFAC	SCALE: 1/8" = 1'-0"	CONSTR CONTR NO: 02247-78-0-20	SHEET 30 OF 85







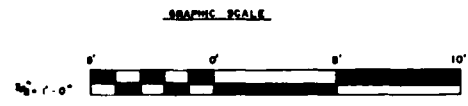
NO.	REVISION	DATE	BY	APP'D



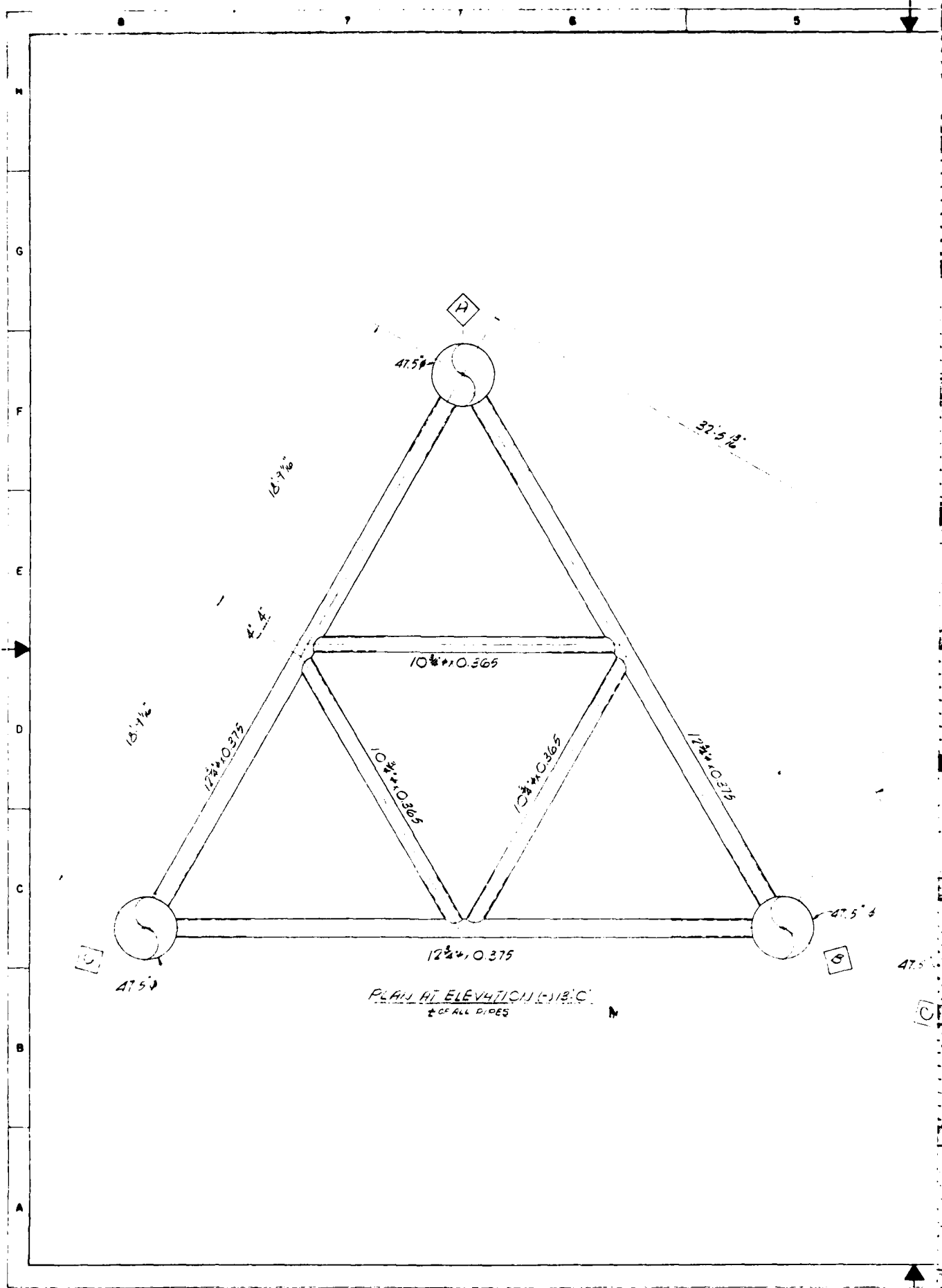
ONE-HANDRAIL PANEL-G  
 ONE-HANDRAIL PANEL-D  
 ONE-HANDRAIL PANEL-E

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

**NOTE**  
 HANDRAIL SHALL BE SHIPPED  
 LOOSE & FIELD INSTALLED.



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DRAWN BY: <b>238</b> CHECKED BY: <b> </b> DATE: <b> </b>	<b>JACKET</b> <b>PLAN AT EL (+) 12'-0"</b>		
OCEAN ENGR & CONST PROJ OFF IPO- EIC <b> </b> RVS <b> </b> DIR ENGR & DES DIV <b> </b>	ACNR PLATFORM 2 EAST COAST USA	SIZE CODE IDENT NO <b>F 00091 3016291</b>	NAVFAC Drawing NO <b>3016291</b>
APPROVED HEAD PROJ-1 <b> </b> DATE <b> </b>	APPROVED <b> </b> DATE <b> </b>	CONSTR CONTR NO <b> </b>	SHEET 11 OF 21
EPD FOR COMMANDER, NAVFAC		SCALE <b>3/8" = 1'-0"</b>	SPEC 2-78 DIBD



PLAN AT ELEVATION 113.0'  
 ± OF ALL DIMES

M  
G  
F  
E  
D  
C  
B  
A

6

6

6

A

47.5'

47.5'

47.5'

47.5'

18'-7 1/8"

18'-7 1/8"

4'-4"

32'-5 1/8"

10'-4 1/8" ± 0.365

10'-4 1/8" ± 0.365

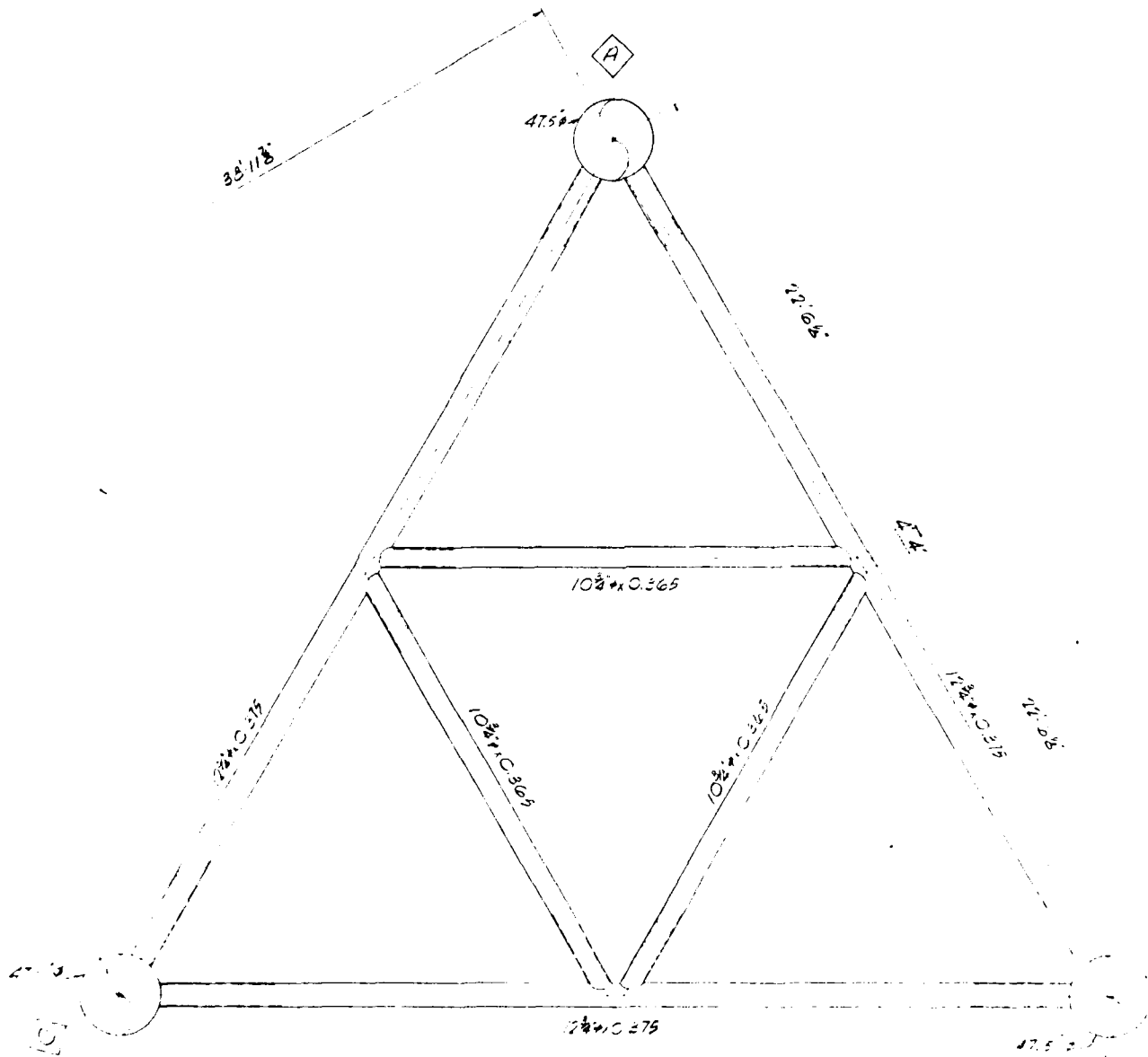
10'-4 1/8" ± 0.365

12'-4 1/8" ± 0.375

12'-4 1/8" ± 0.375

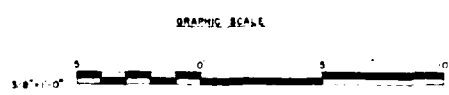
12'-4 1/8" ± 0.375

ZONE/LET	DESCRIPTION	DATE	APPROVED

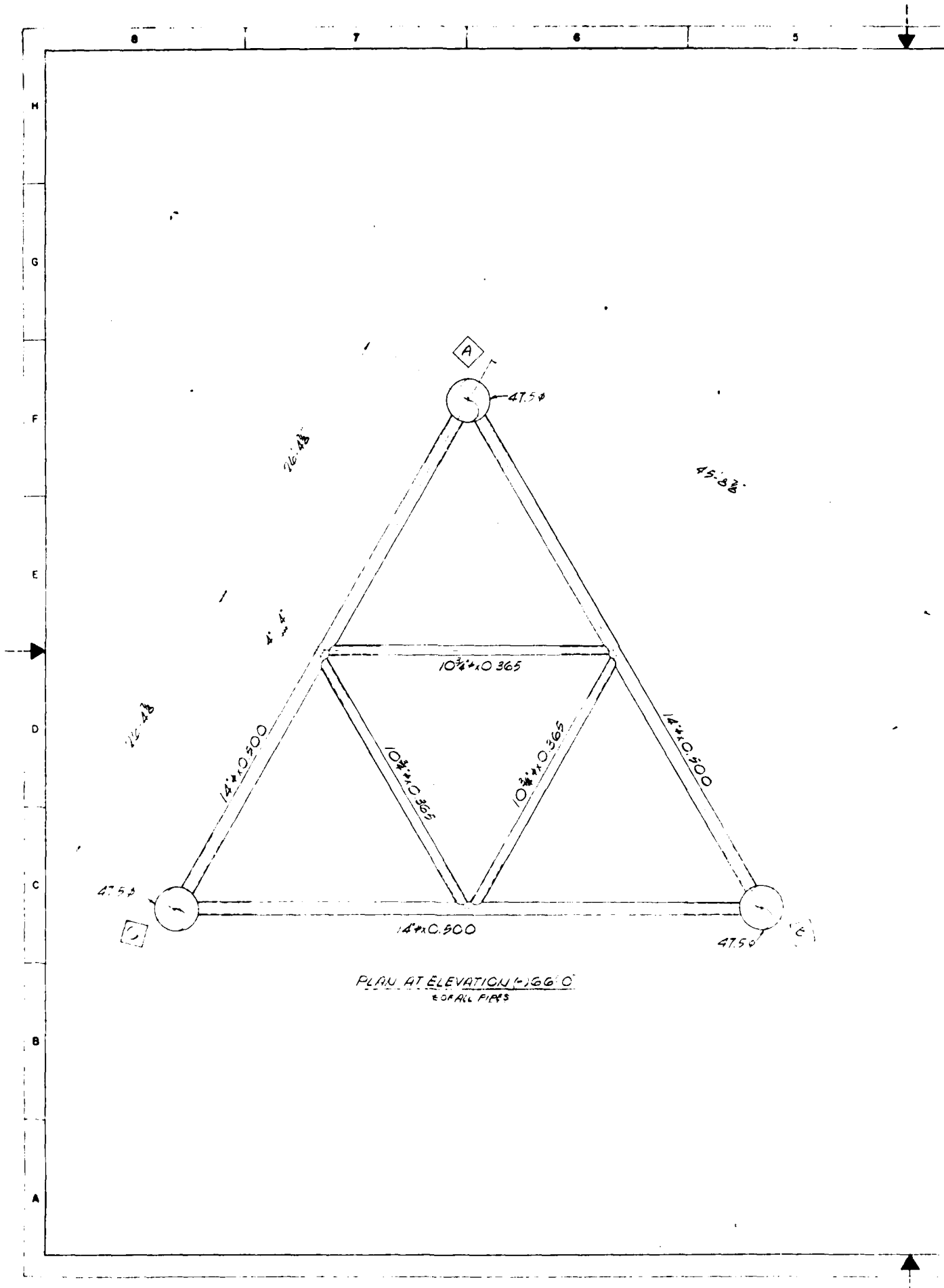


PLANT ELEVATION 473.10  
 0.5' HLL 1.10'

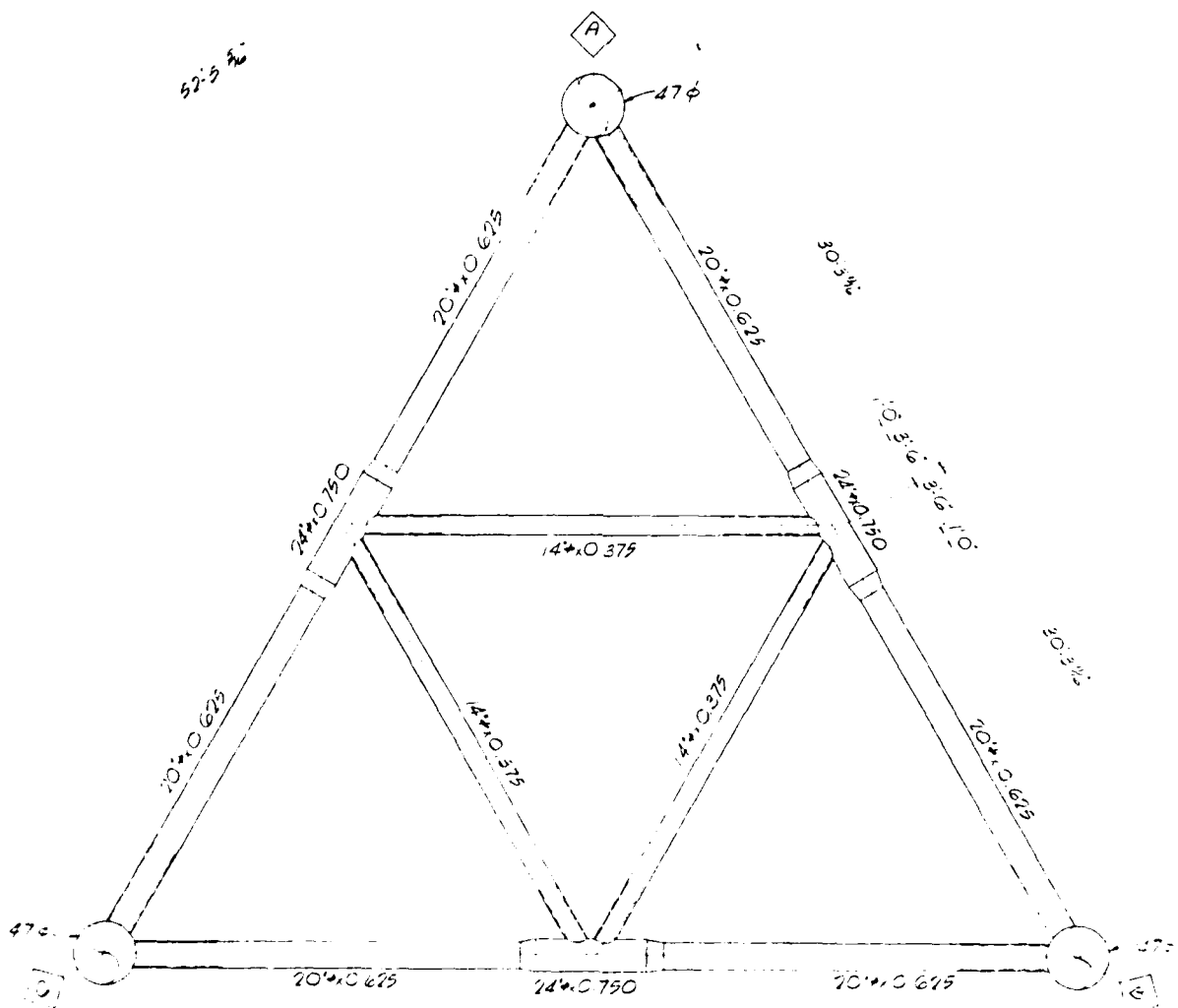
FOR GENERAL NOTES SEE NAVFAC DRAWINGS



CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS AND ENGINEERS		DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.	
DRAWN BY: [Name]		JACKET PLAN AT EL. (-)13'-0"8"(-)39'-0"	
CHECKED BY: [Name]		A/C M/R PLATFORM 2 EAST COAST USA	
APPROVED HEAD OFFICE	DATE	SIZE	LINE IDENT. NO.
F	80091	NAVFAC DRAWING NO.	3016292
APPROVED	DATE	CONSTR. CENTER NO.	NO. 18 C 2 80
SPEC. FOR COMMANDER, NAVFAC	SCALE 3/8" = 1'-0"	SPEC. 2176 C 100	SHEET 12 OF 24

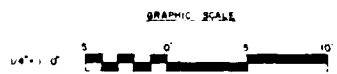


ZONE/LET	DESCRIPTION	DATE	APPROVED



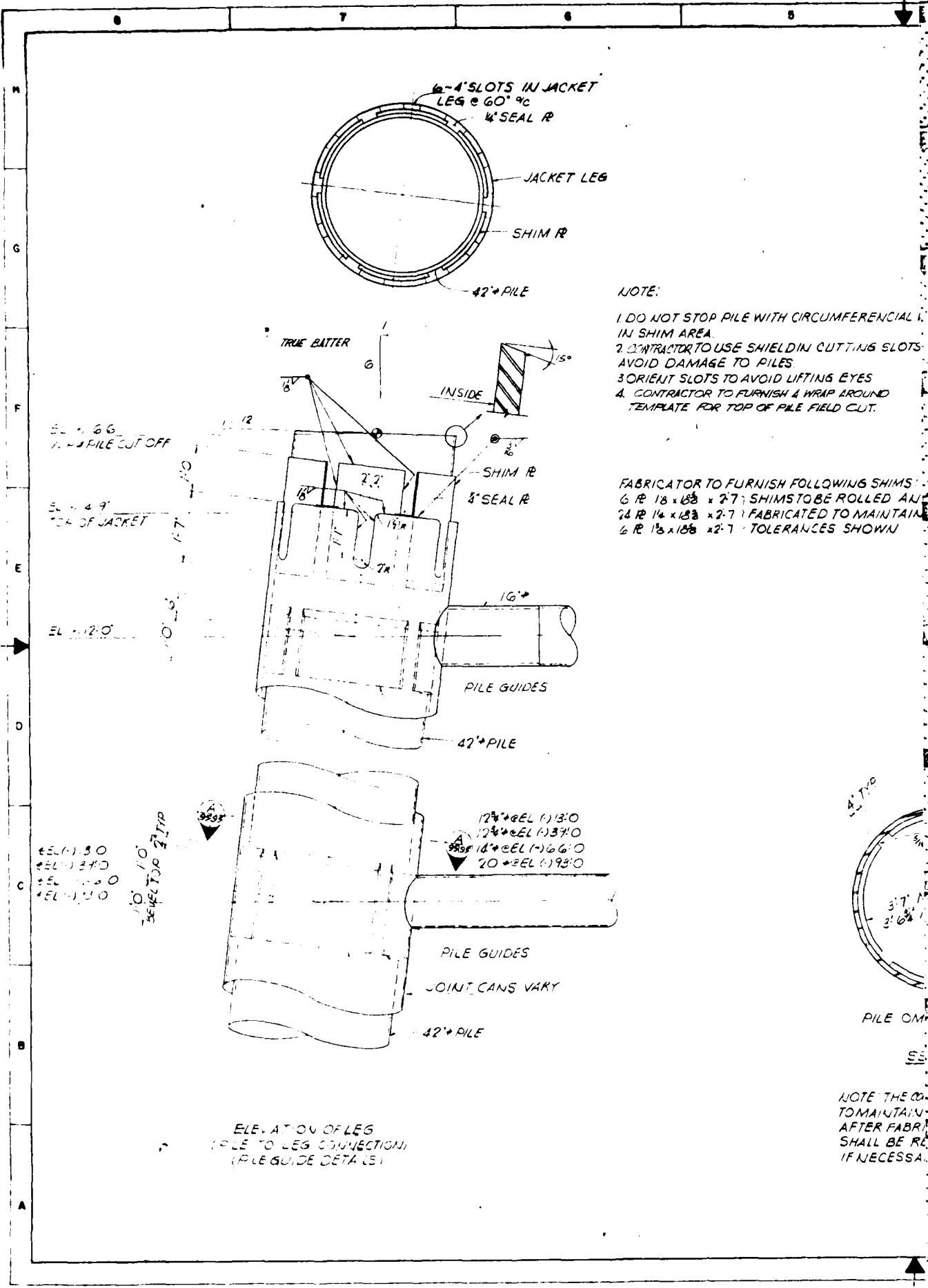
PLAN AT ELEVATION (-) 13'-0"  
OF ALL RISES

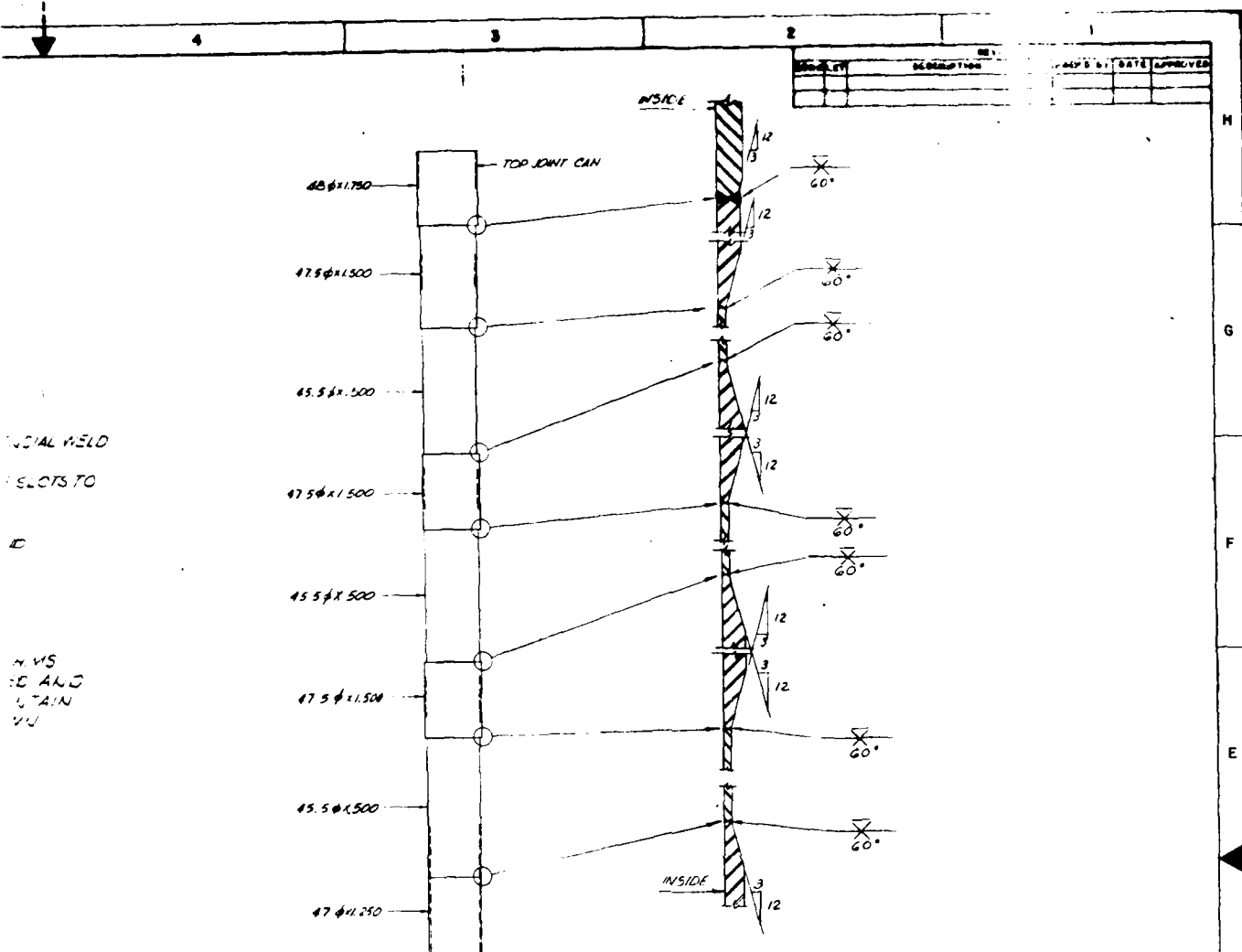
FOR SEVERAL NOTES SEE DRAWING 3016293



CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS & ENGINEERS		DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.	
DESIGNED BY: [Signature]	DATE: [Date]	JACKET PLAN AT EL (-) 13'-0" (-) 13'-0"	
APPROVED HEAD OFFICE: [Signature]	DATE: [Date]	ACMR PLATFORM 2	EAST GUANTANAMO
APPROVED: [Signature]	DATE: [Date]	SIZE: F	CHESAPEAKE DIVISION NO. 3016293
EPD FOR COMMANDER NAVFAC		SCALE: 1/4" = 1'-0"	SHEET 11 OF 85

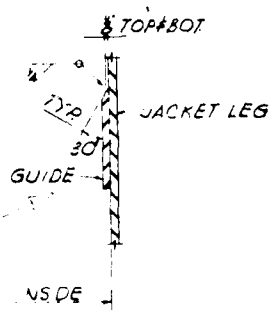
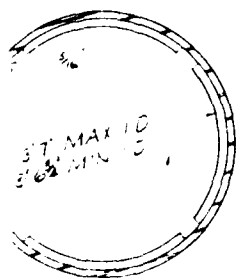
H  
G  
F  
E  
D  
C  
B  
A





WELD  
SLOTS TO  
ID  
HVS  
TO AND  
STAIN  
VU

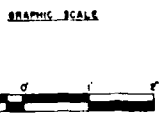
TYPICAL JACKET LEG WELDING  
N.T.S



BE OMITTED FOR CLARITY

SECTION (A)

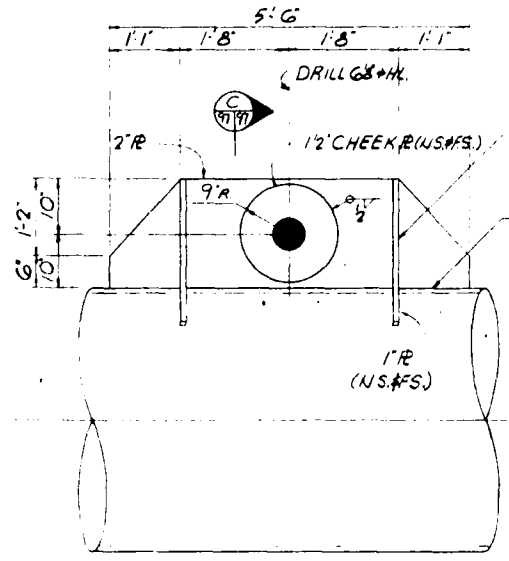
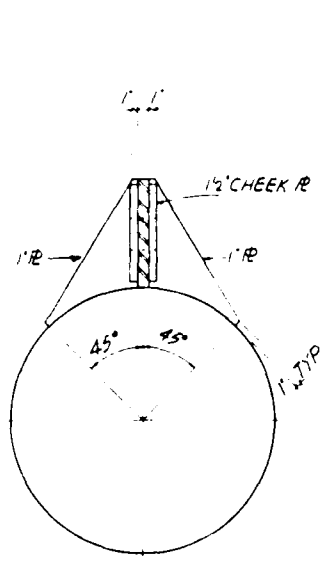
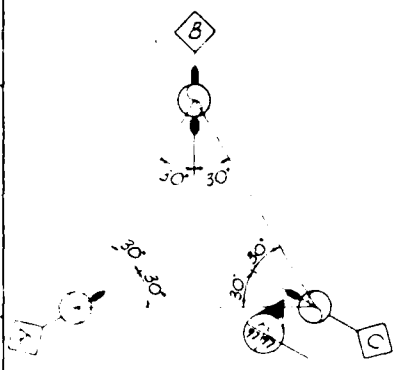
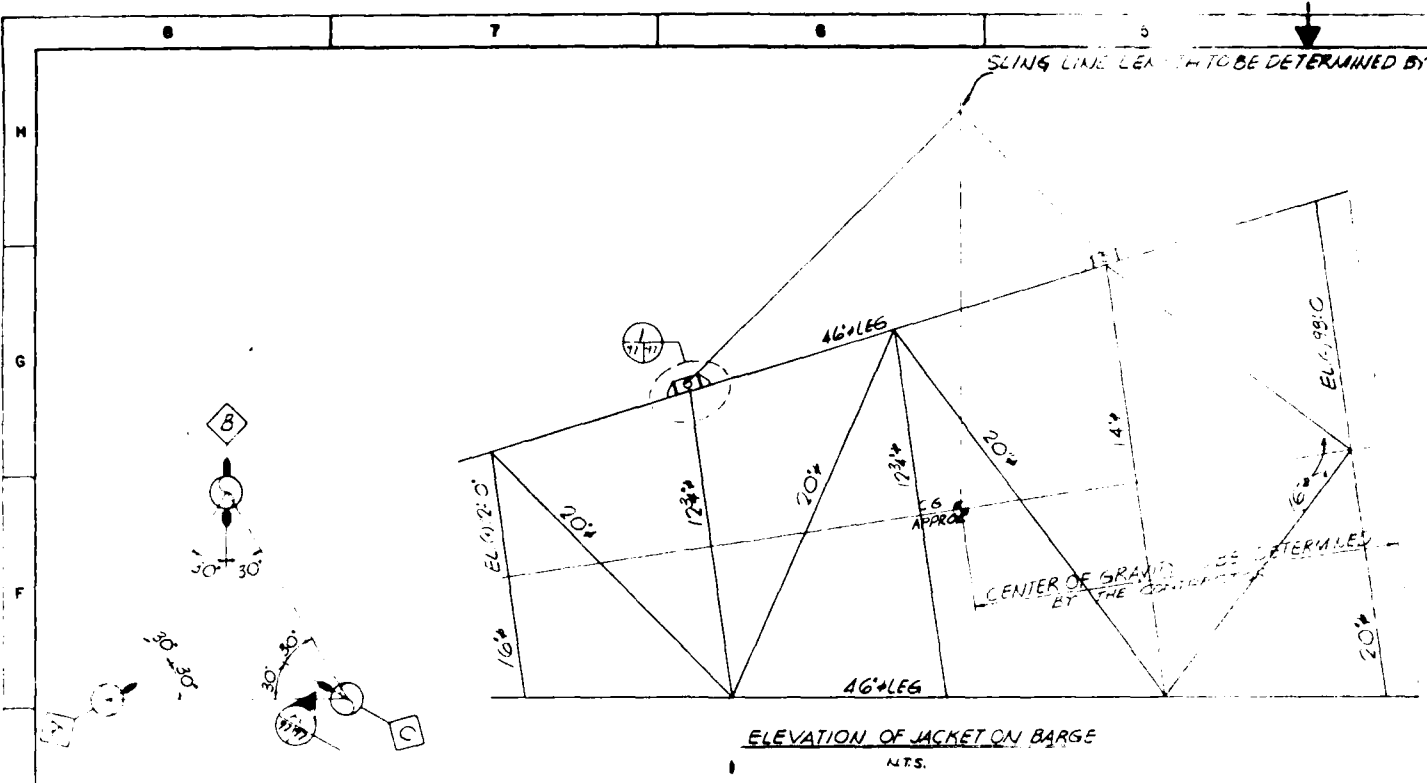
THE CONTRACTOR SHALL SIZE SHIM PLATES  
TO OBTAIN DIAMETER TOLERANCES SHOWN  
FABRICATION & LOAD OUT TOLERANCES  
BE RECHECKED & PILE GUIDES REPLACED  
IF NECESSARY



CREST ENGINEERING, INC JULIA, OKLAHOMA ARCHITECTS - ENGINEERS		DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.	
DESIGNED BY: [Signature]		PROJECT: JACKET	
CHECKED BY: [Signature]		PILE SHIMS & LEG CONNECTION	
DATE: [Blank]		A. C. N. B. PLATFORM 2 EAST COAST U.S.A.	
APPROVED HEAD P.O. [Signature]		SIZE: F	CODE IDENT NO: 80081
DATE: [Blank]		NAVFAC DRAWING NO: 3016295	
APPROVED: [Signature]		CONTRACT NO. 124477 TO C-080	
DATE: [Blank]		SCALE: 1/4\"/>	

H  
G  
F  
E  
D  
C  
B  
A

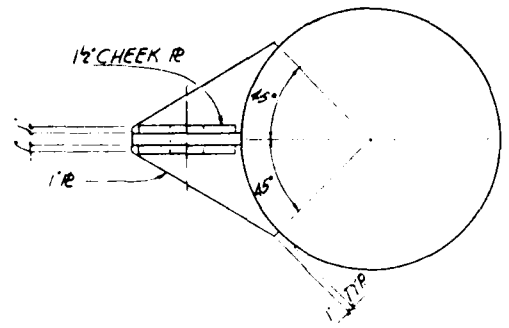
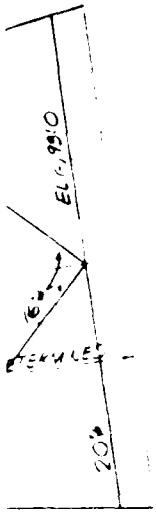




THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE LIFTING INSTALLATION. THE PAD EYE LOCATIONS # SIZE SHOWN AS TYPICAL MUST BE TO BE SURE THEY ARE ADEQUATE COMPATIBLE WITH THE INS. EQUIPMENT TO BE USED. THE CONTRACTOR MUST DETERMINE THE LOCATION OF GRAVITY LOCATION & THE LOAD.

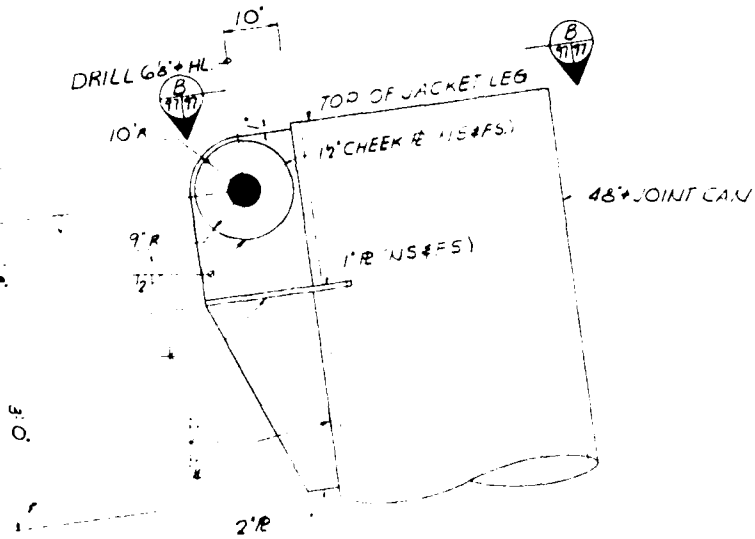
DETERMINED BY THE CONTRACTOR

NO.	DESCRIPTION	DATE	APPROVED



VIEW B (1/17/77)

THE CONTRACTORS  
 SHALL BE RESPONSIBLE TO REVIEW & APPROVE  
 THE INSTALLATION PROCEDURE  
 & LOCATIONS & SIZES ARE  
 TYPICAL & MUST BE REVIEWED  
 IF THEY ARE ADEQUATE &  
 TO BE USED THE CONTRACTOR  
 DETERMINE THE CENTER  
 LOCATION OF THE HOOK

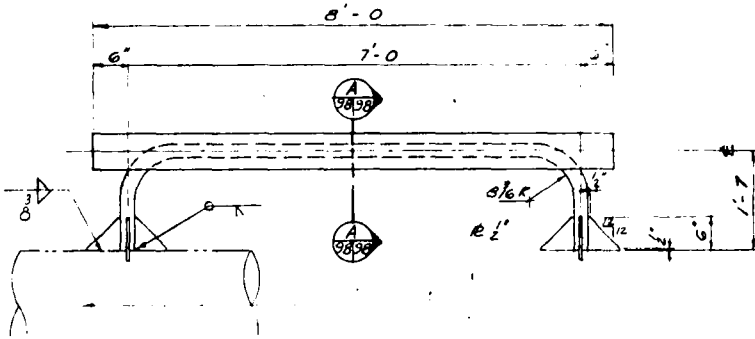
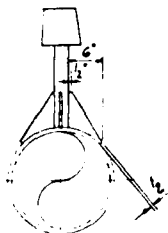


SECTION A (1/17/77)

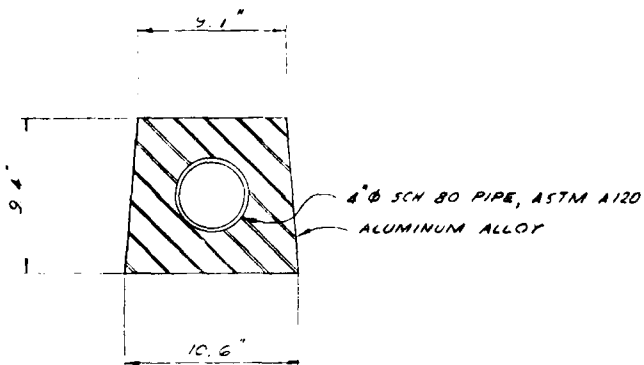
GRAPHIC SCALE




CREST ENGINEERING, INC. TULSA, OKLAHOMA ARCHITECTS & ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING CENTER CHEESAPEAKE DIVISION WASHINGTON, D.C.	
DRAWN BY: J. J. [unclear]		PROJECT: [unclear]	
OCEAN ENGINEERING CONSULTANTS, INC. 1100 BAYVIEW DRIVE SUITE 200 FARMINGTON, CT 06030		A.C.M. - PLATFORM E EAST COAST U.S.A.	
APPROVED BY: [unclear]	DATE: [unclear]	DESK: [unclear]	NAVYAC DRAWING NO: 3016297
APPROVED: [unclear]	DATE: [unclear]	NO. 80091	CONTRACT NO. [unclear]
SPEC FOR COMMANDER NAVYAC		SCALE: 3/4" = 1'-0"	SHEET 37 OF 45



ANODE DETAIL  
SCALE: 1" = 1'-0"



SECTION   
SCALE: 3" = 1'-0"

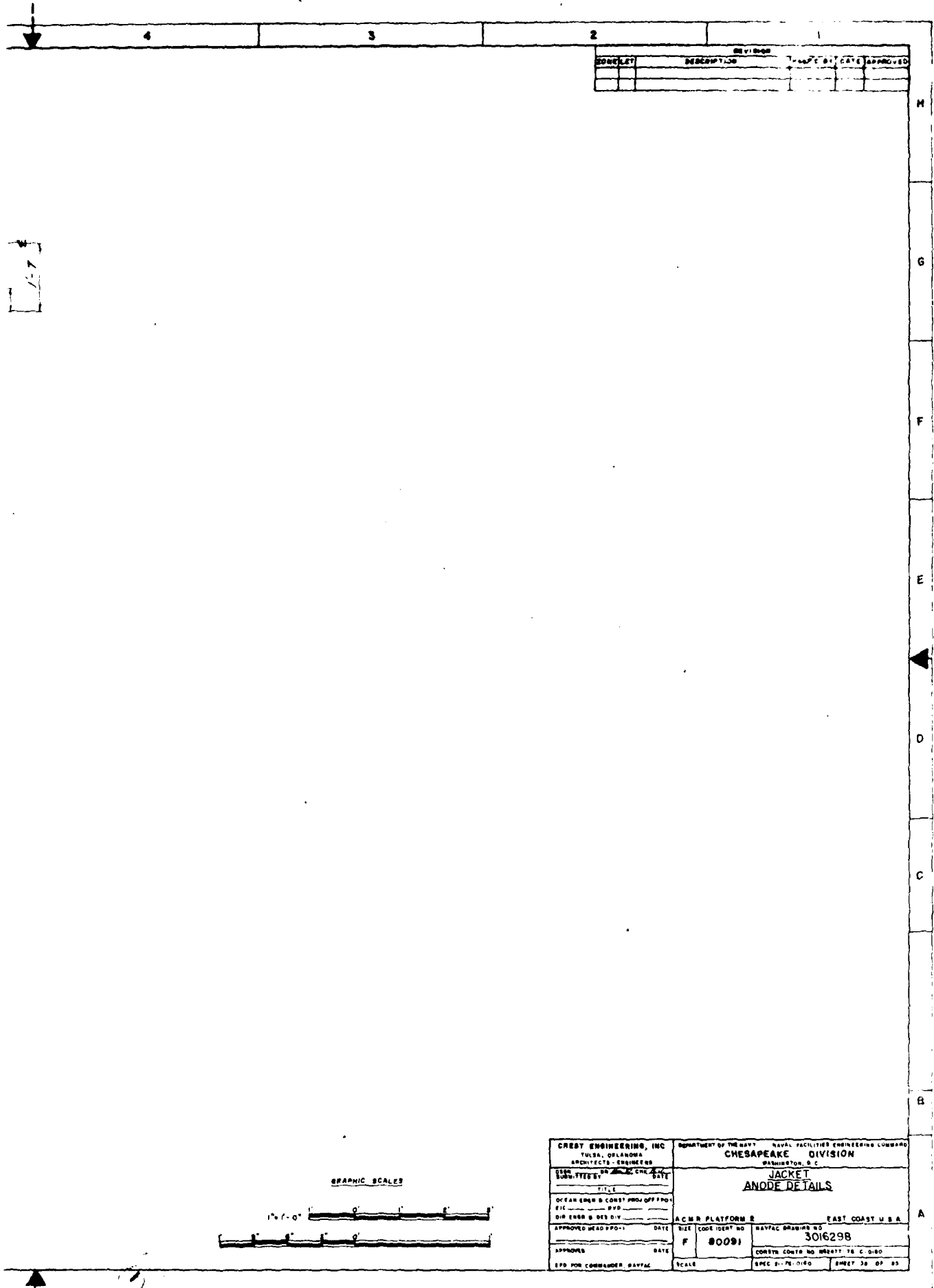
ANODE WEIGHT LBS EACH

ALUM NUM 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

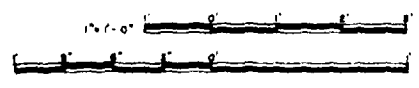
1



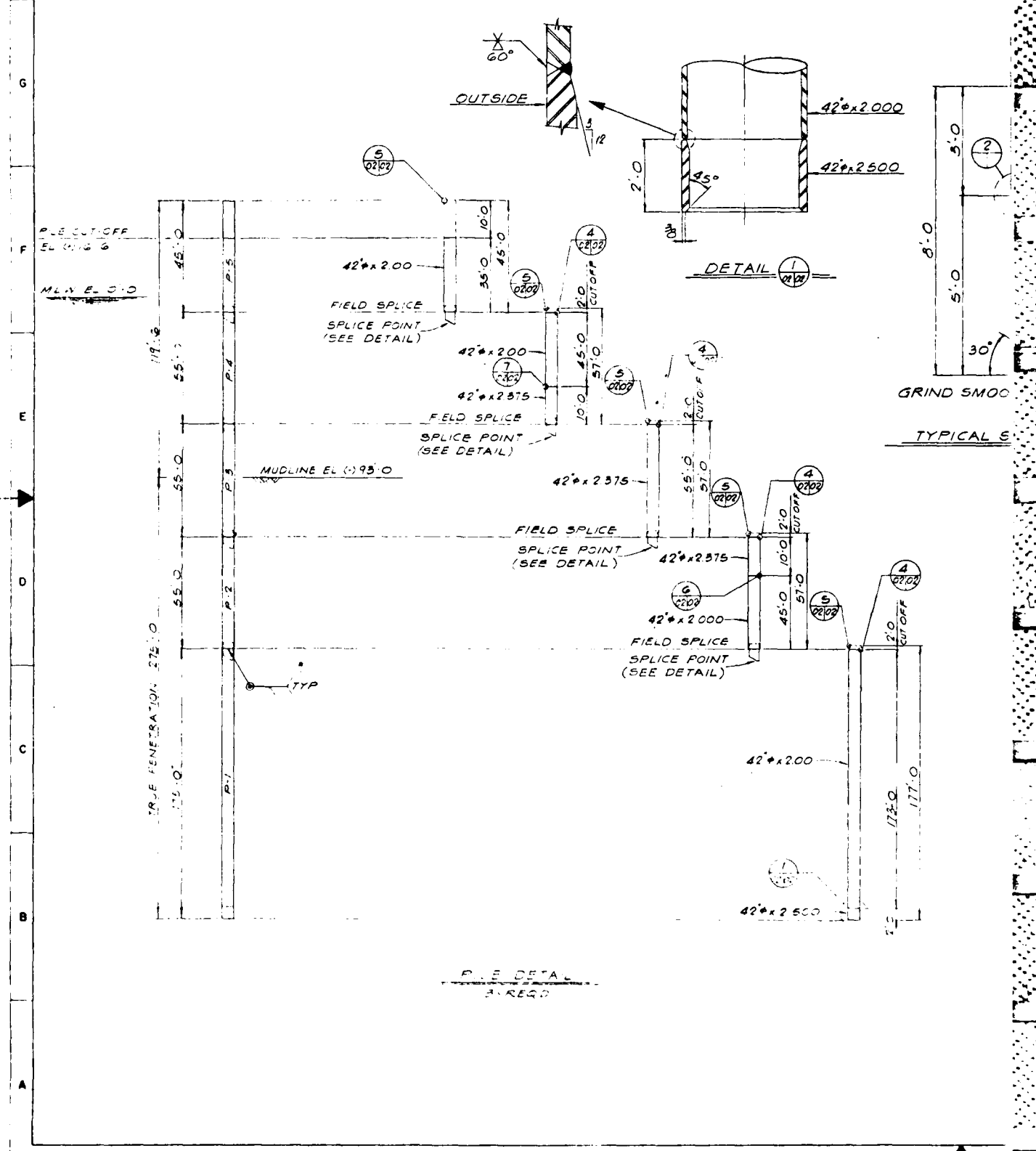
REVISION		DATE	APPROVED
NO.	DESCRIPTION		

<b>CREST ENGINEERING, INC.</b> TULSA, OKLAHOMA ARCHITECTS - ENGINEERS		DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND <b>CHESAPEAKE DIVISION</b> WASHINGTON, D. C.	
DRAWN BY: <b>CHN</b> CHECKED BY: <b>CHN</b> DATE: <b>5/11/60</b>		<b>JACKET</b> <b>ANODE DE TAILS</b>	
TITLE:		<b>ACMR PLATFORM 2</b>	
OCEAN ENGR & CONST PROJ OFF PROJ NO:		<b>EAST COAST U.S.A.</b>	
DIR ENGR & DES DIV:		NAVFAC DRAWING NO: <b>301629B</b>	
APPROVED HEAD (PO-1):		CONTR CONTR NO: <b>00091</b>	
APPROVED:		DATE:	
EPS FOR COMMANDER, NAVFAC		SCALE:	
		NAVFAC CONTR NO: <b>00091</b>	
		SHEET 38 OF 83	

GRAPHIC SCALES

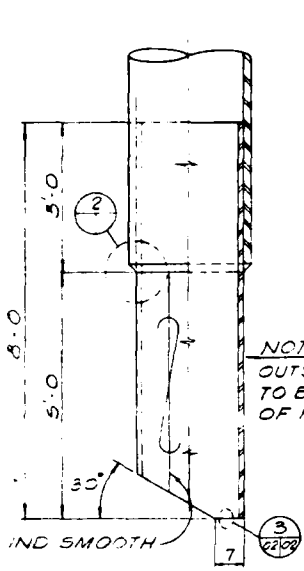


NOTE  
 1. MARK TOP END OF EACH SECTION OF  
 PILES NEAR CUTS DE AS FOLLOWS  
 (A) MARK IN PILE (MP);  
 (B) LOWER SECTION, 1<sup>ST</sup> ADD ON 2<sup>ND</sup> AND ON ETC.  
 2. CONTRACTOR TO FURNISH PILE LIFT EYES.



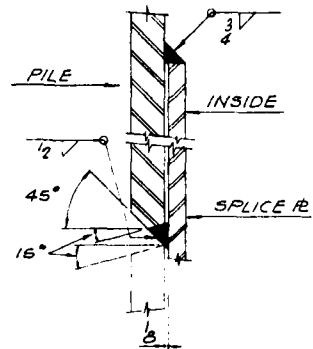
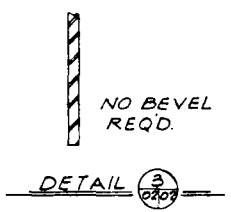
P. E. DETAIL  
 P. REGD

4	3	2	
REVISION			
NOBELIT	DESCRIPTION	DATE	APPROVED

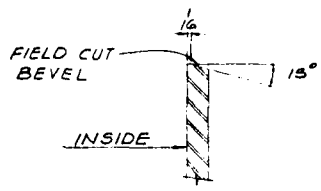


TYPICAL SPLICE POINT DETAIL

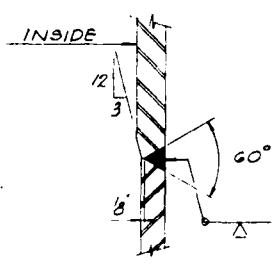
NOTE:  
OUTSIDE DIAMETER OF STABBING POINT  
TO BE  $\frac{1}{4}$  LESS THAN INSIDE DIAMETER  
OF PILING SECTION.



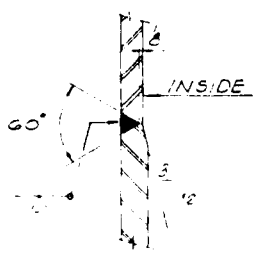
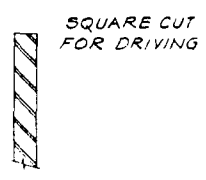
DETAIL 2  
22102



DETAIL 4  
22102



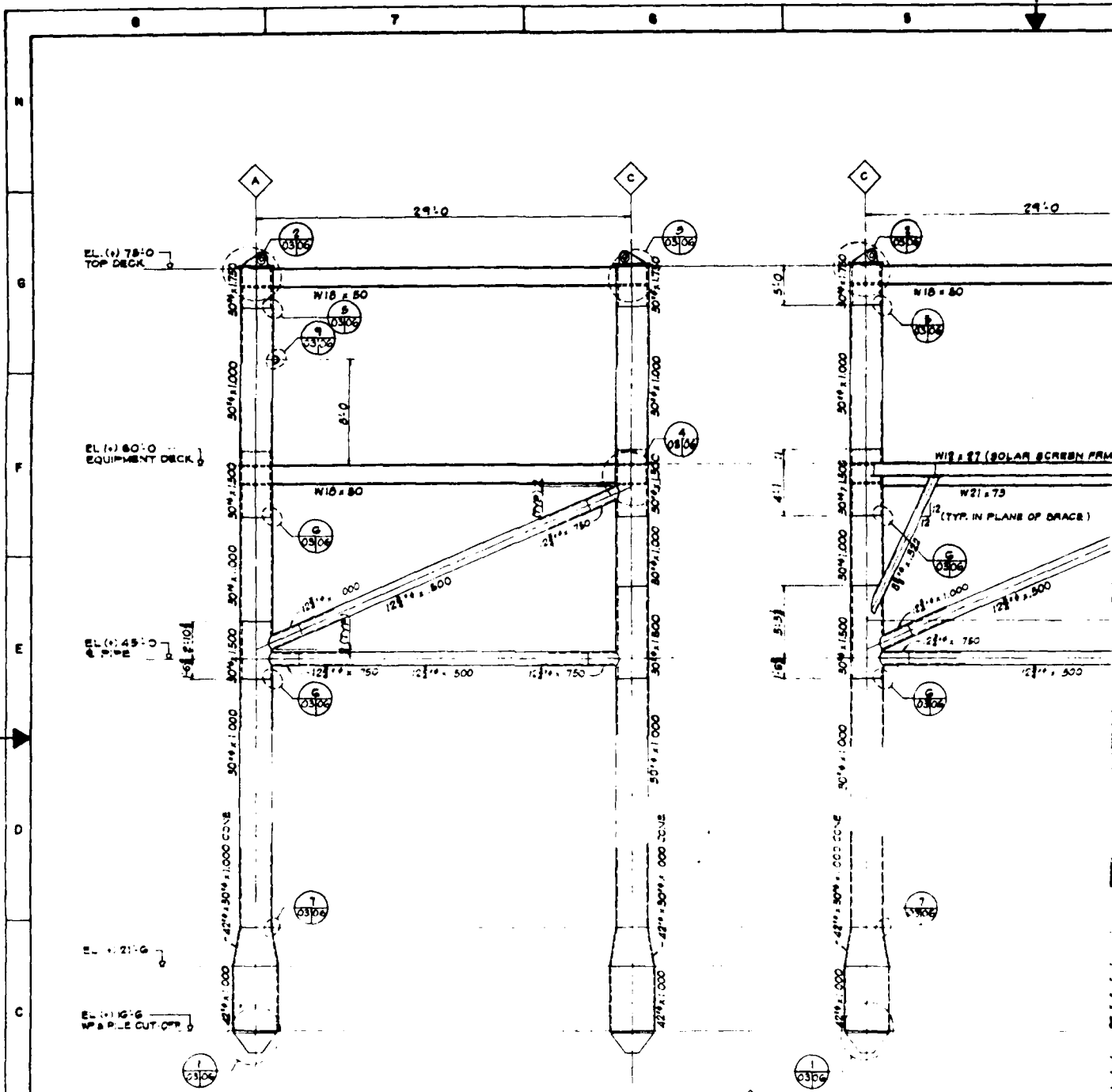
DETAIL 6  
22102



DETAIL 7  
22102

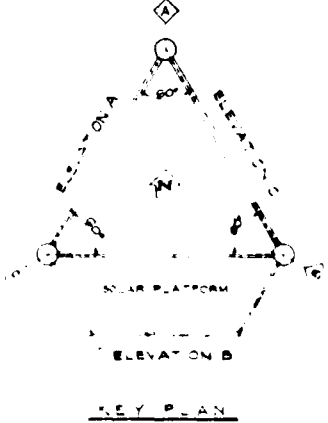
NOTE  
ALL PILING MATERIAL NOT USED  
SHALL BE SALVAGED

CREST ENGINEERING, INC. TULSA, OKLAHOMA ARCHITECTS & ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.	
DESIGN DRAWING NO. 3016302		JACKET PILE DETAILS	
APPROVED FOR CONSTRUCTION BY: [Signature]		A.C.N.R. PLATFORM 2 EAST COAST U.S.A.	
APPROVED FOR PROJECT: [Signature]	DATE: [Date]	NAVFAC DRAWING NO. 3016302	
APPROVED: [Signature]	DATE: [Date]	CONSTRUCTION NO. [Number]	SCALE: NONE
EDD FOR COMMANDER NAVFAC		SPEC. 2 TO 3.4.	SHEET 42 OF 53



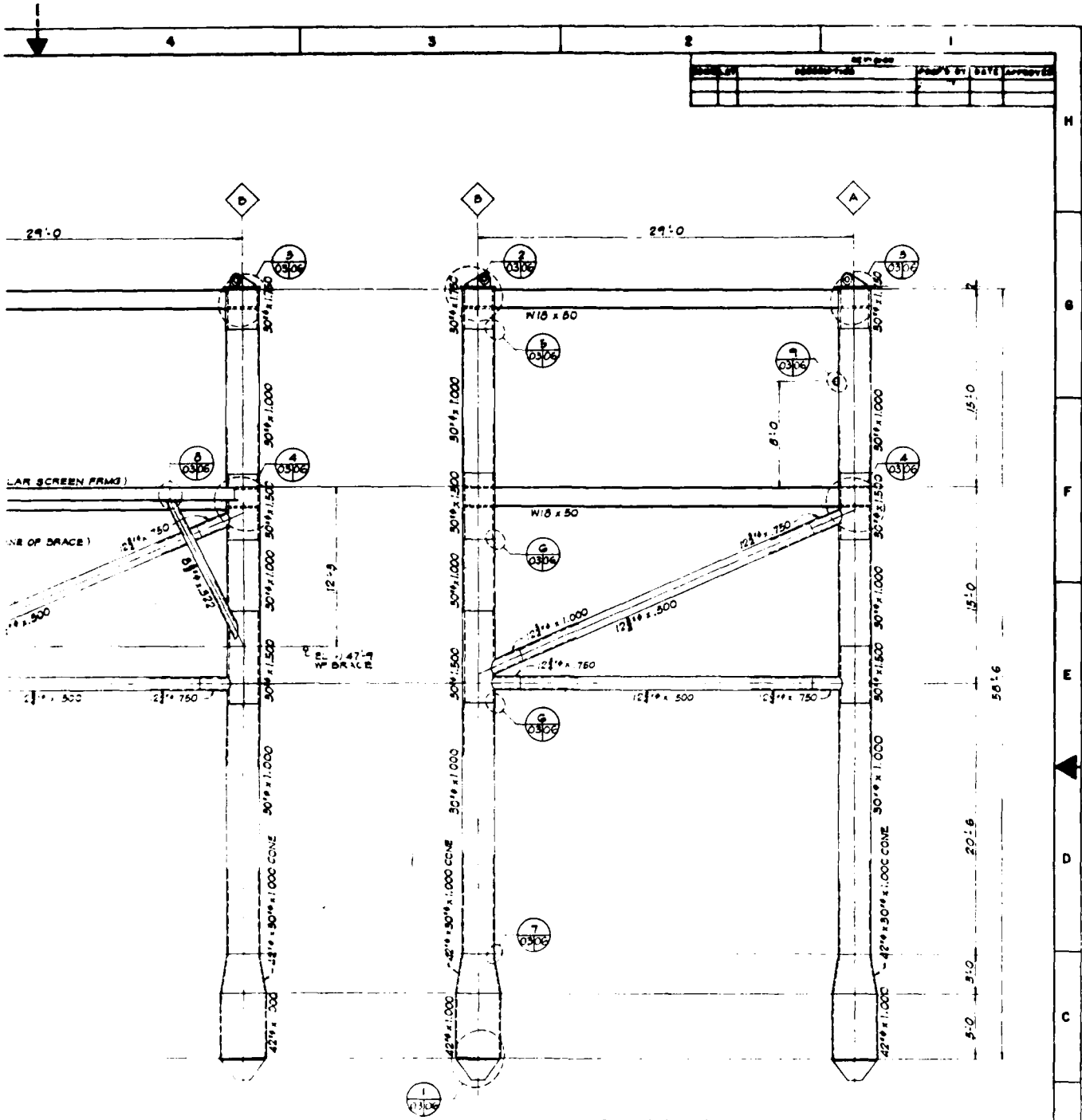
ELEVATION A

ELEVATION B



KEY PLAN

1



ELEVATION B

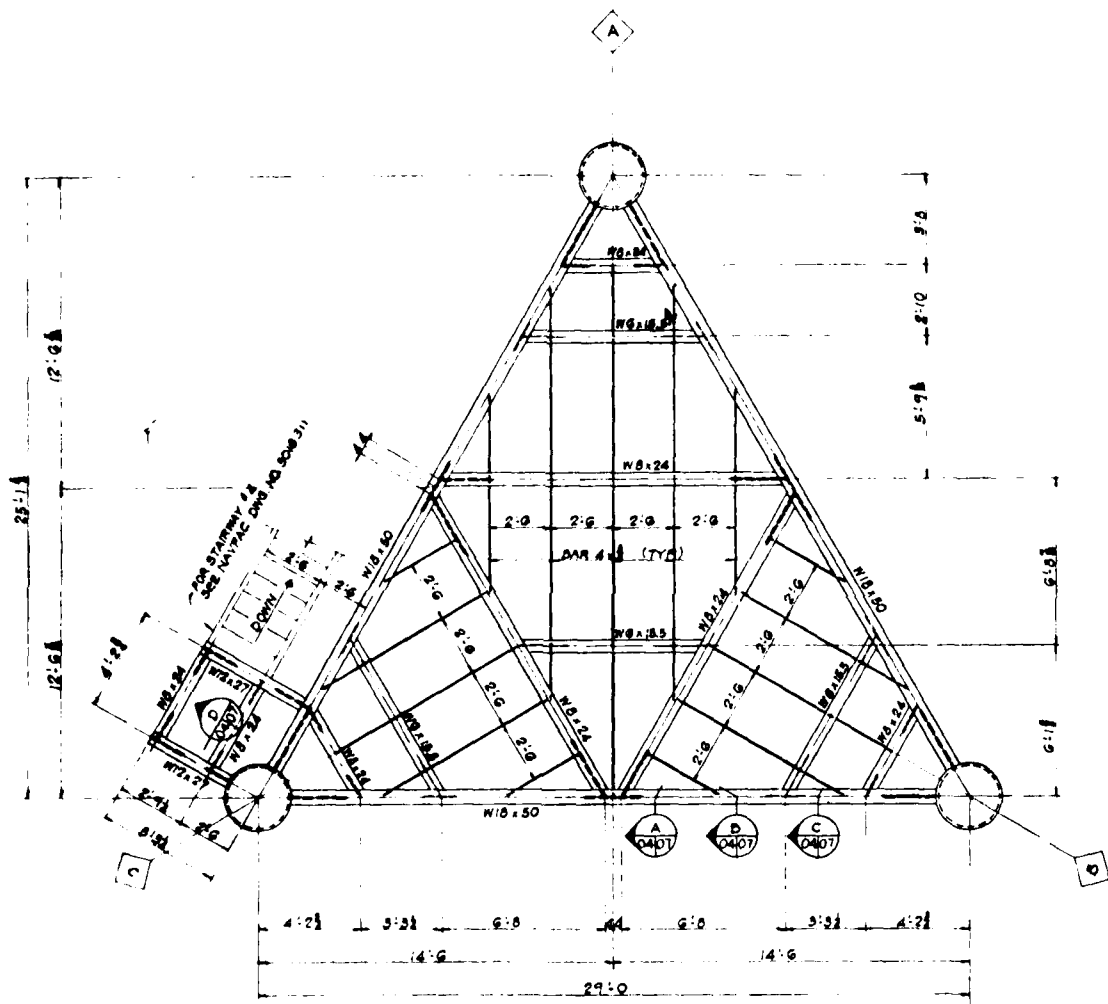
ELEVATION C



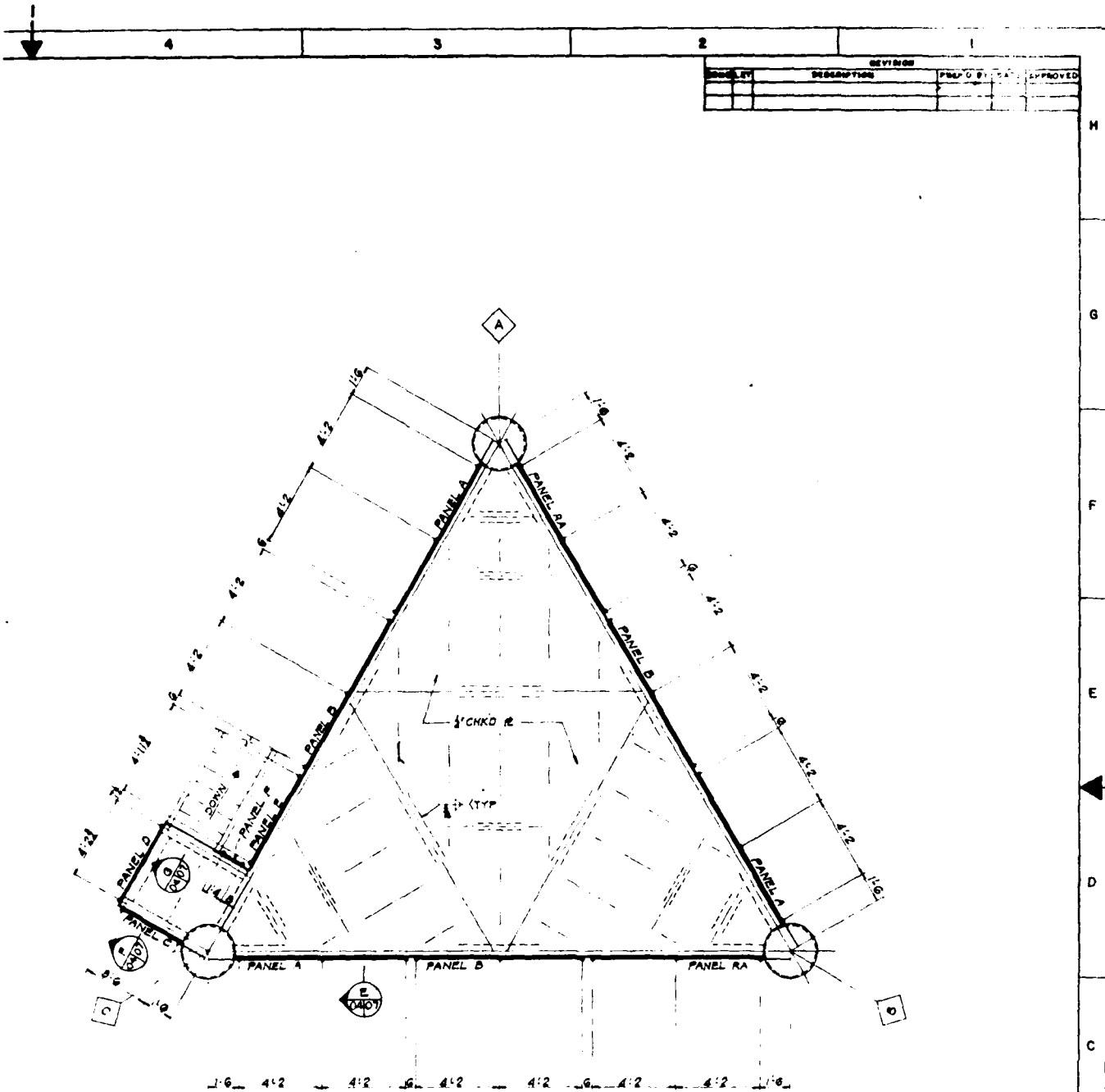
CREST ENGINEERING, INC. TULSA, OKLAHOMA ARCHITECTS - ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D. C.	
PROJECT NO. 80091		SUPERSTRUCTURE ELEVATIONS	
DRAWN BY: [blank]		CHECKED BY: [blank]	
DATE: [blank]		DATE: [blank]	
APPROVED BY: [blank]		APPROVED BY: [blank]	
DATE: [blank]		DATE: [blank]	
SCALE: 1/4" = 1'-0"		SHEET 13 OF 17	

2





**UPPER DECK FRMG. PLAN**  
TOP OF STEEL EL. (1) 78'-0"



1:6 4:2 4:2 4:2 4:2 4:2 4:2 4:2 4:2 1:6

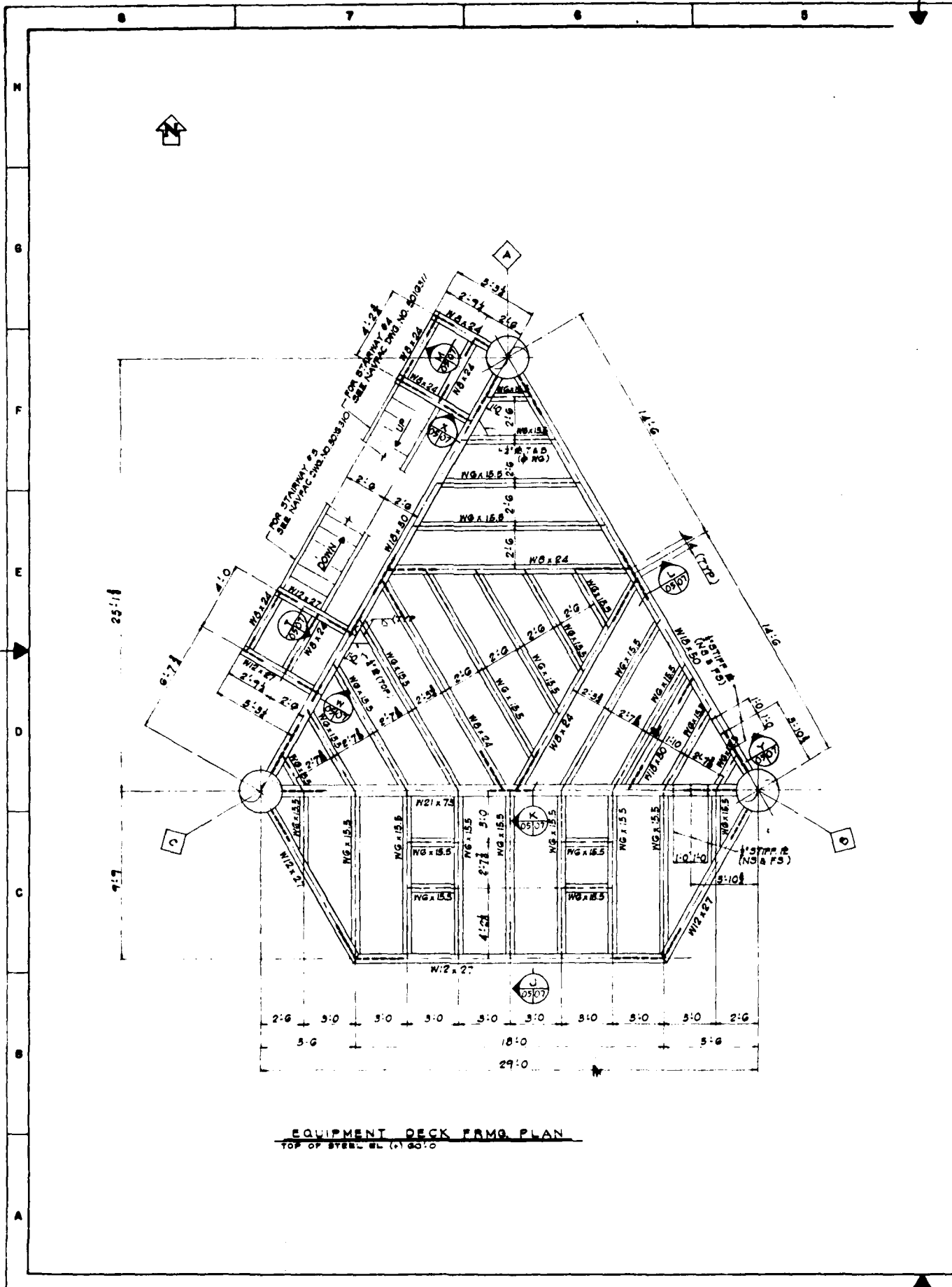
FOR HANDRAIL PANEL DETAILS SEE NAVFAC DIVS. NO 3016307

**UPPER DECK PLATE & H. R. LAYOUT**  
TOP OF STEEL BL. (C) 75:0

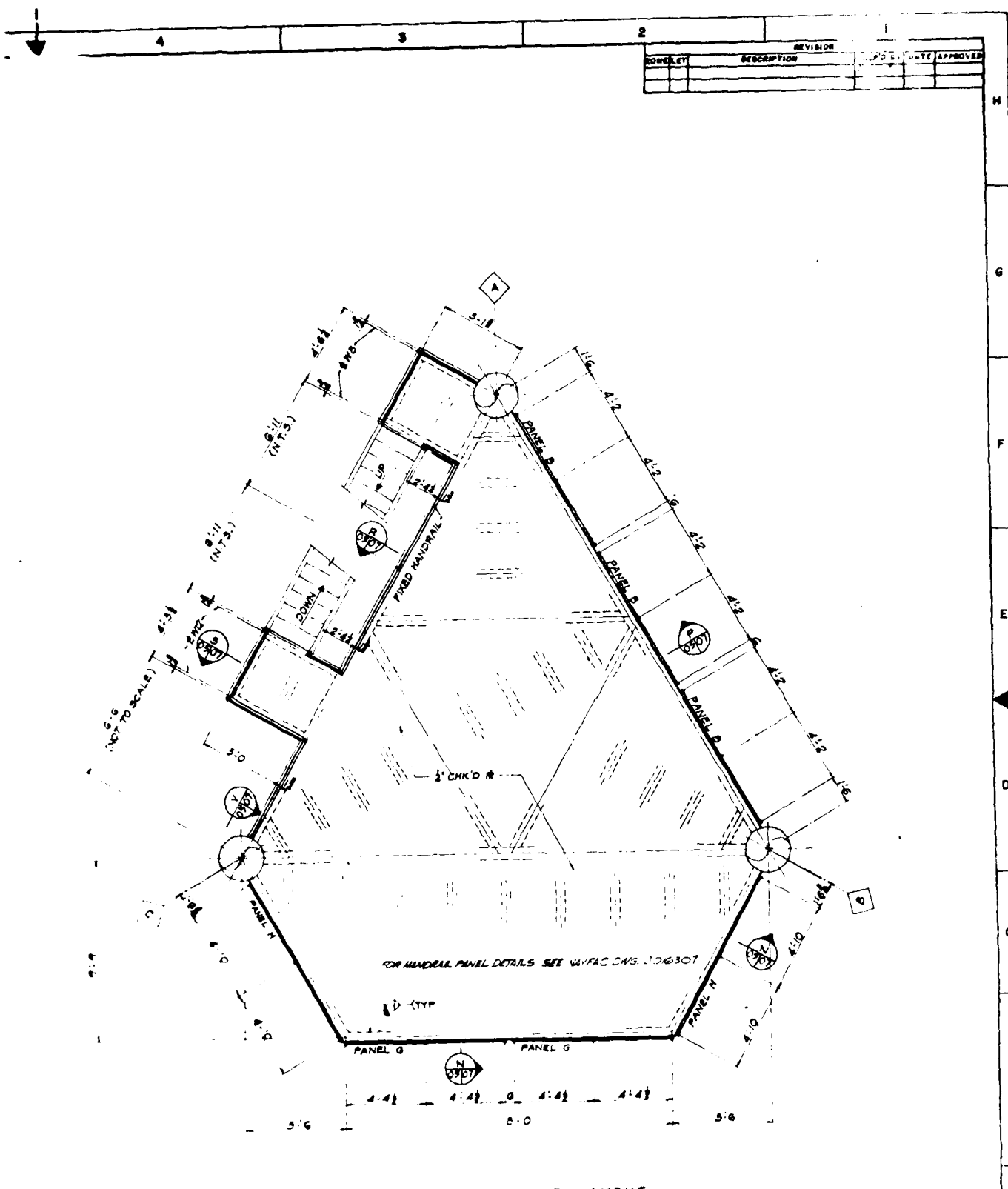
GRAPHIC SCALE

0 1 2 3 4 5 6 7 8 9 10

CREST ENGINEERING, INC. TALLAH. Ocala, FLORIDA ARCHITECTS - ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION GREENSBORO, D. C.	
DATE: 12/15/54	BY: [Signature]	SUPERSTRUCTURE UPPER DECK FRMG. B DECK PLATE & H. R. LAYOUT	
DESIGNED BY: [Signature]	DATE: [Signature]	SHIP PLATFORM: EAST COAST, USA	NAVAL DRAWING NO: 3016304
APPROVED HEAD: [Signature]	DATE: [Signature]	DESIGNER: [Signature]	ENGINEER: [Signature]
APPROVED: [Signature]	DATE: [Signature]	SCALE: 1/4" = 1'-0"	SHEET 44 OF 51



**EQUIPMENT DECK FRAME PLAN**  
TOP OF STEEL BL. (+) 60'-0"



REVISOR		DATE	APPROVED
NO. 1	DESCRIPTION		

**EQUIPMENT DECK PLATE & M. R. LAYOUT**  
 YSP OF SYMBL. EC. (1) 3016

GREAT ENGINEERING, INC. TULSA, OKLAHOMA ARCHITECTS - ENGINEERS 1950 WEST 10TH AVENUE TULSA, OKLA. 74107	DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND <b>CHESAPEAKE DIVISION</b> WASHINGTON, D. C. <b>SUPERSTRUCTURE</b> <b>EQUIPMENT DECK FRMG. A</b> <b>DECK PLATE &amp; M. R. LAYOUT</b>
DESIGN BY: [blank] DRAWN BY: [blank] CHECKED BY: [blank] APPROVED BY: [blank]	ACTION PLATFORM: [blank] EAST COAST, U.S.A. DRAWING NUMBER: <b>3016305</b> SHEET: <b>F 80081</b> SCALE: 1/4" = 1'-0" DATE: [blank]



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

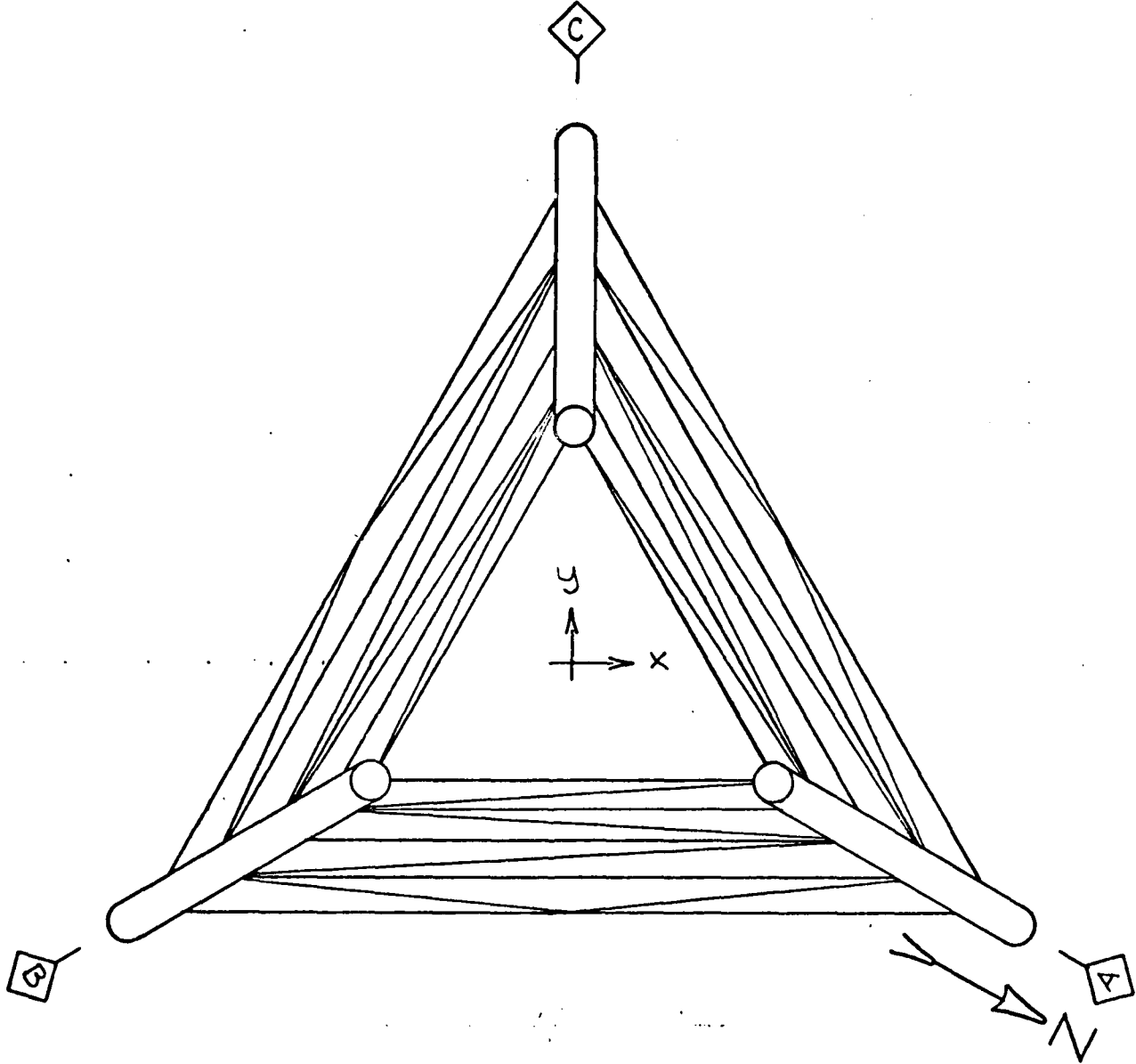
member. Therefore, Member 701-703 is that member of the model connecting Joint 701 to Joint 703. The member start is Joint 701 and the member end is Joint 703, and therefore, the local (member) x - axis is positive toward Joint 703.

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

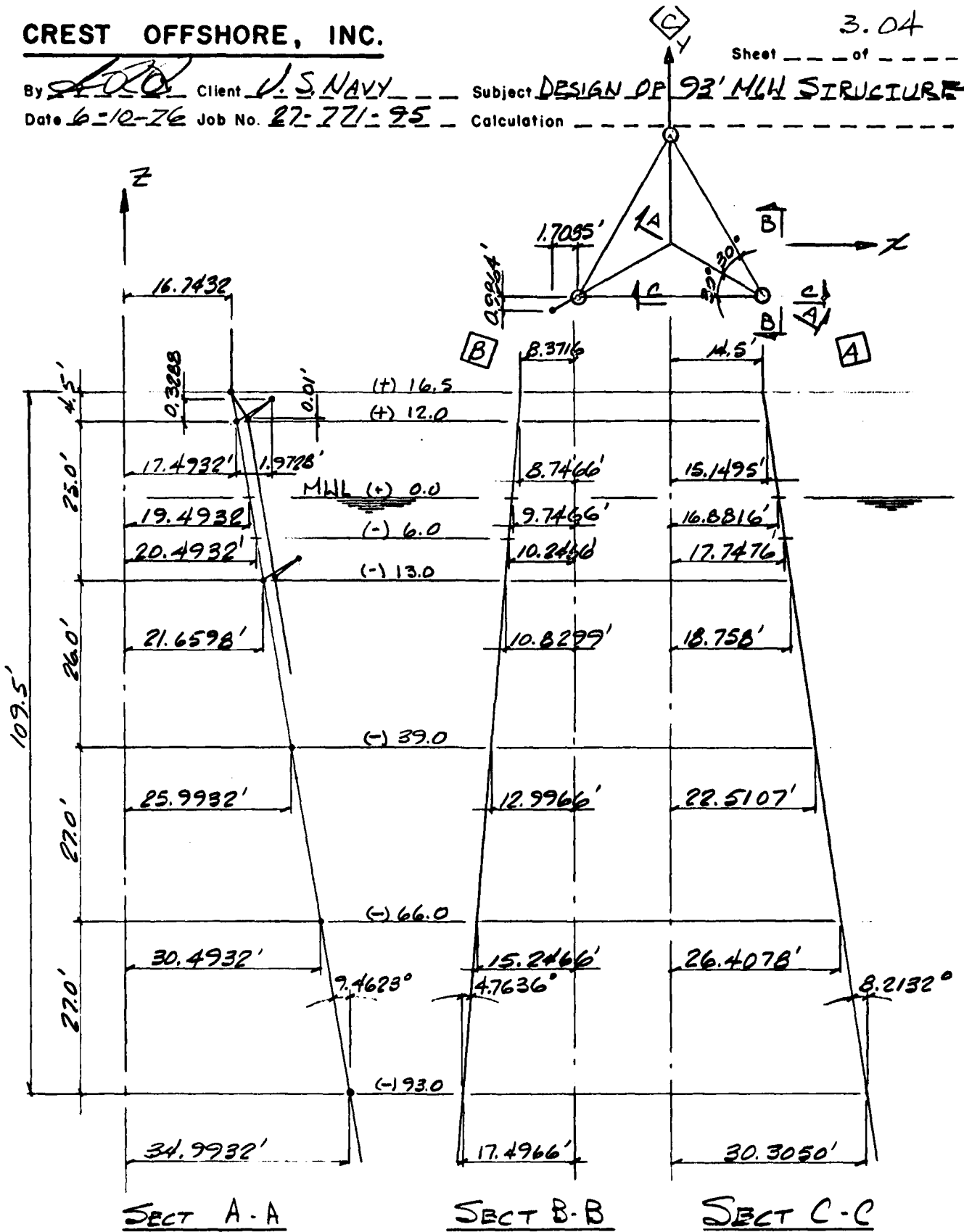


**CREST OFFSHORE, INC.**

3.04

Sheet --- of ---

By [Signature] Client U.S. NAVY Subject DESIGN OF 92' MLH STRUCTURE  
 Date 6-10-76 Job No. 27-721-95 Calculation ---



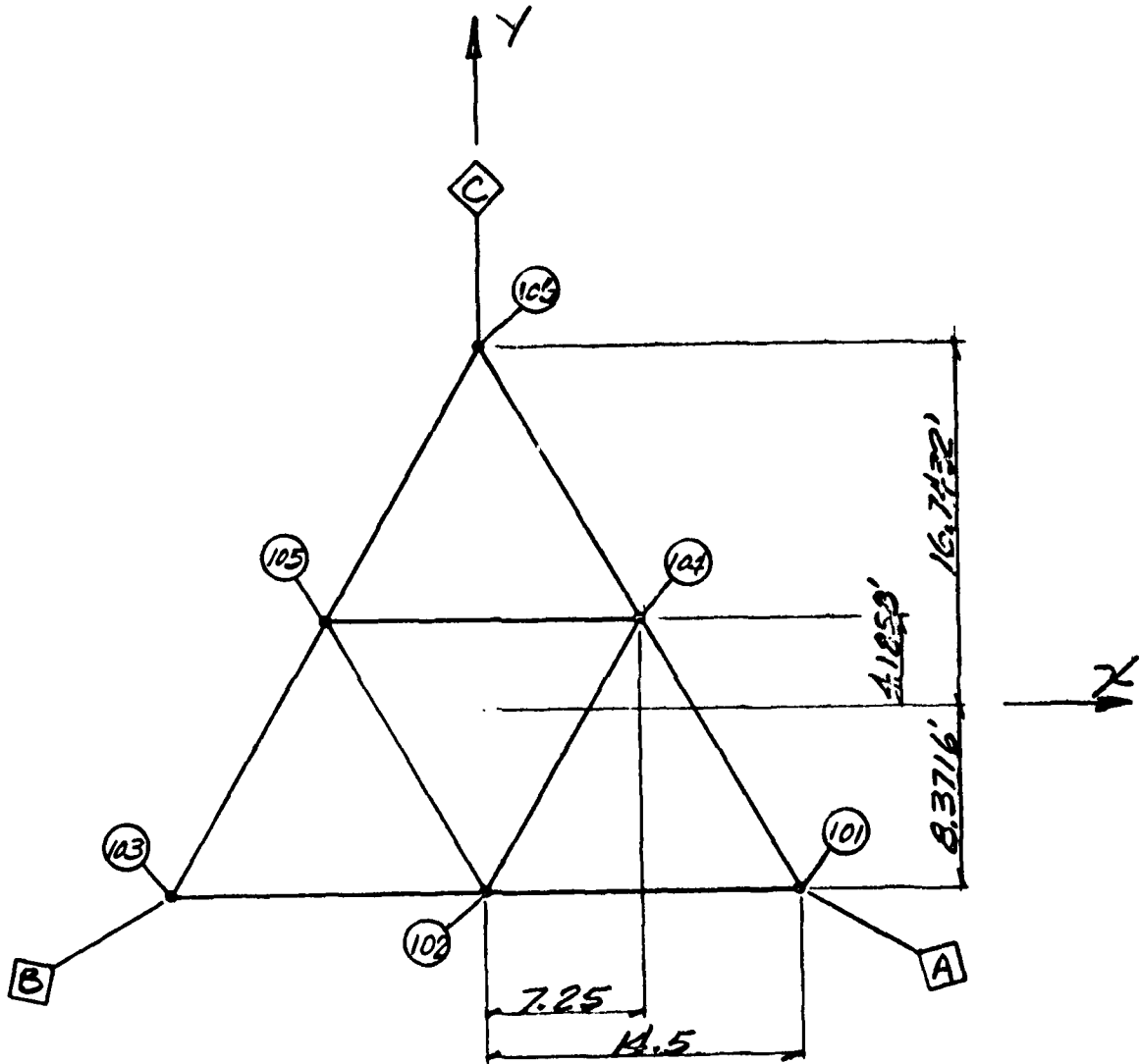
SECT A-A

SECT B-B

SECT C-C

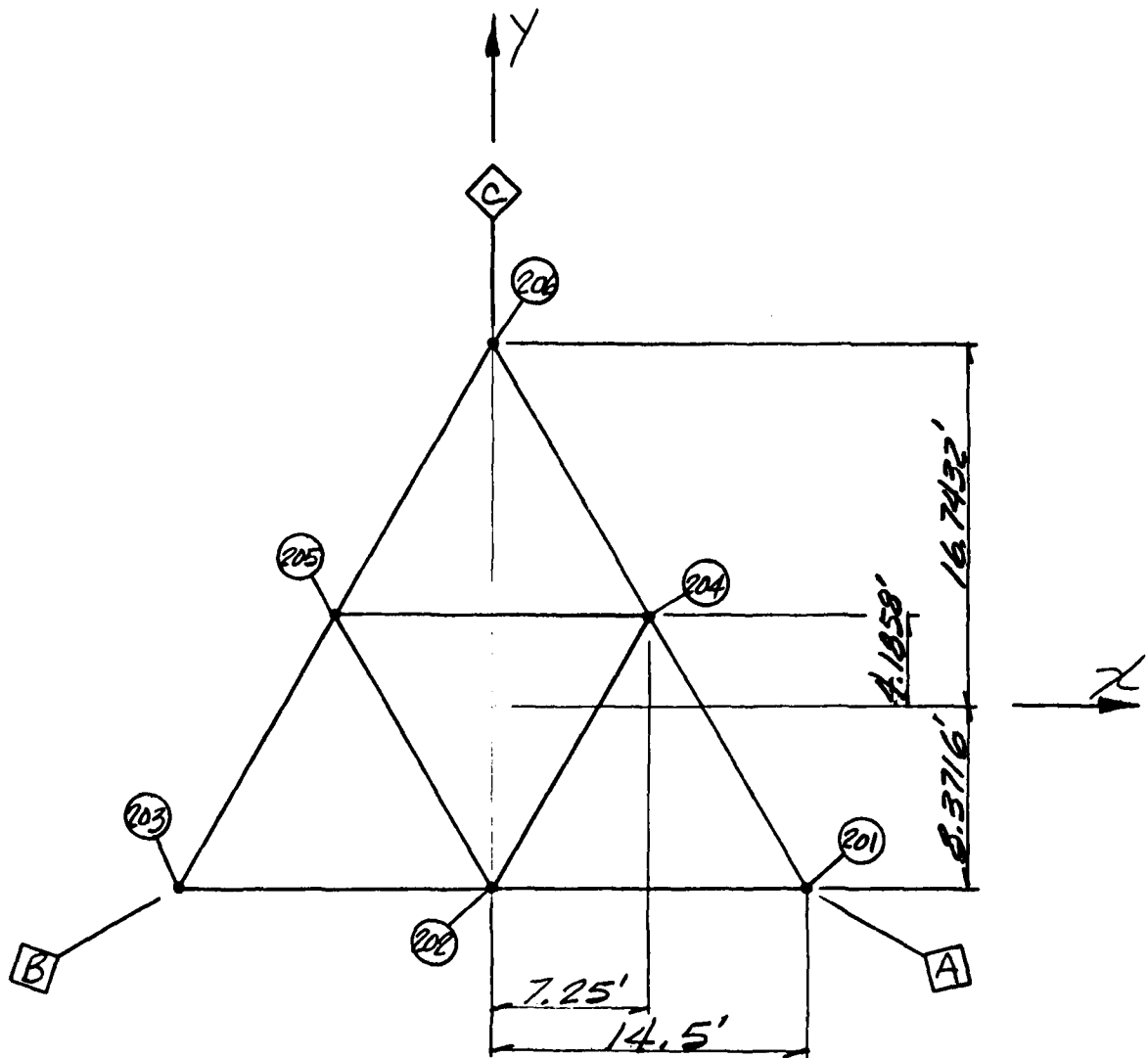
9.46232222°  
 4.76364169°  
 8.21321071°

By FOO Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 6-29-76 Job No 27-721-95 Calculation \_\_\_\_\_



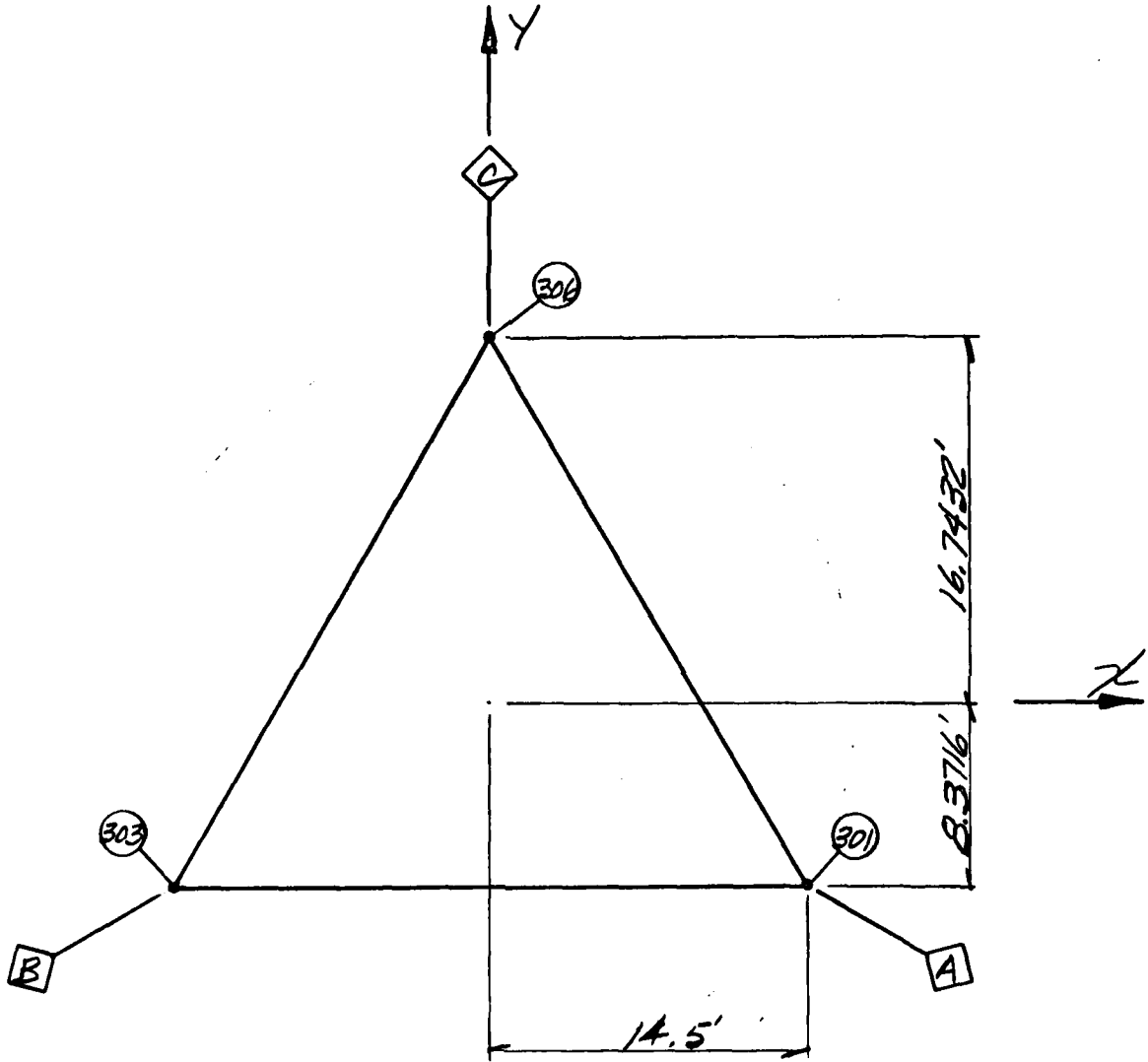
Elev. (+) 75.0'

By SLW Client U.S. NAVY Subject DESIGN OF 93' MLL STRUCTURE  
Date 6-22-76 Job No. 27-721-95 Calculation \_\_\_\_\_



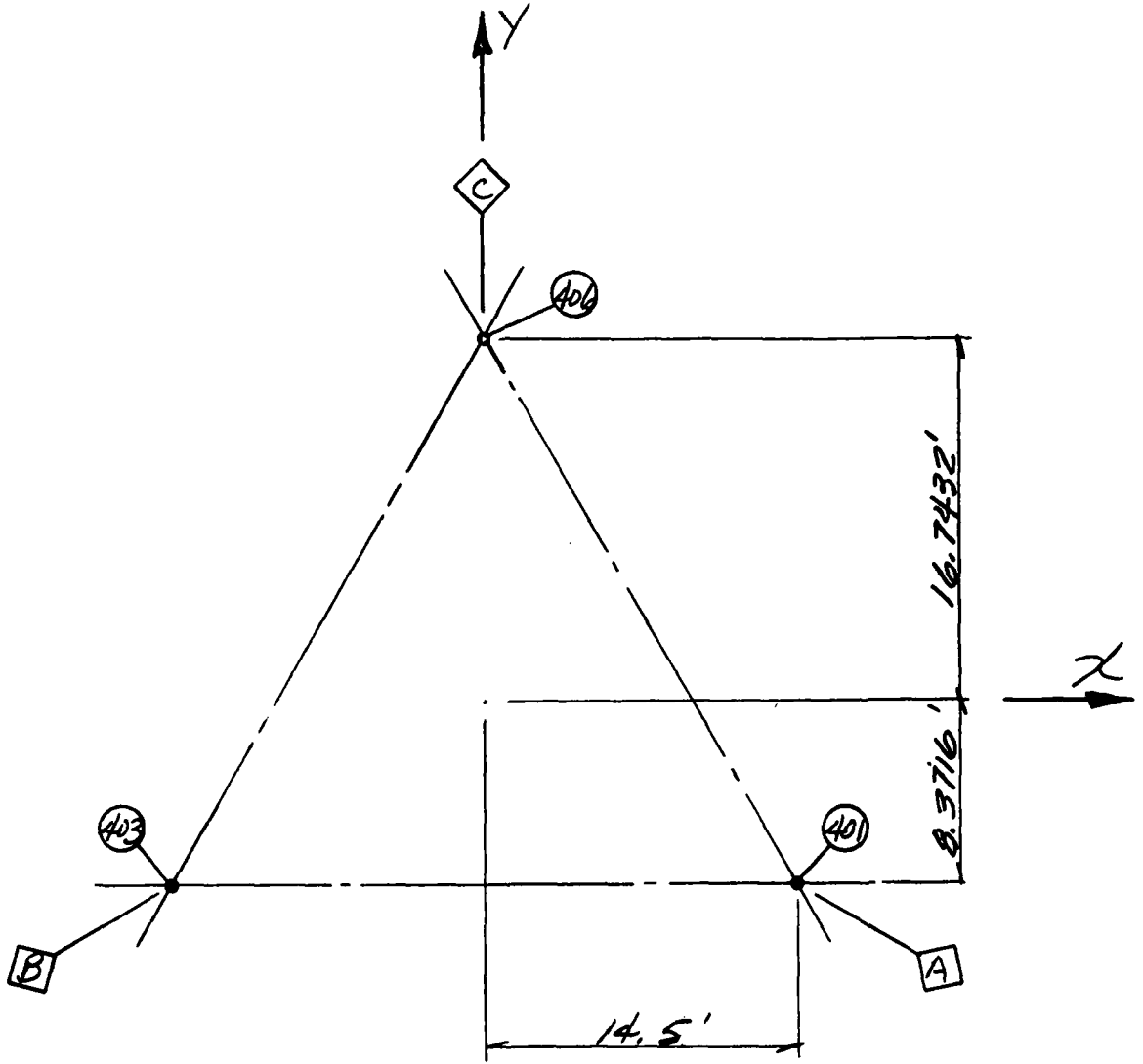
ELEV. (+) 60.0'

BY W. B. C. Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 6-29-76 Job No. 27-721-95 Calculation \_\_\_\_\_



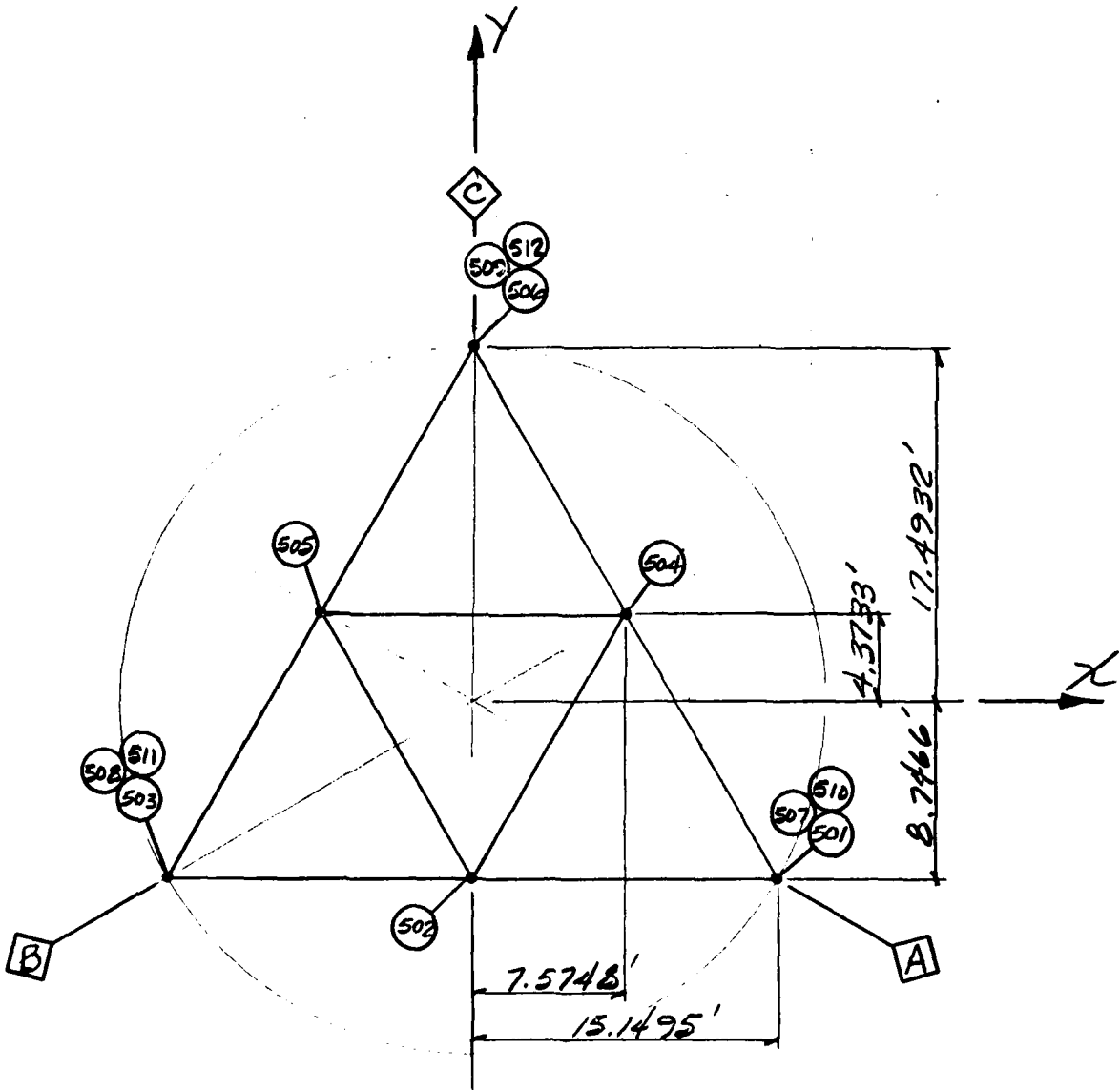
ELEV. (+) 45.0

By ACB Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 6-22-76 Job No. 22-771-95 Calculation \_\_\_\_\_



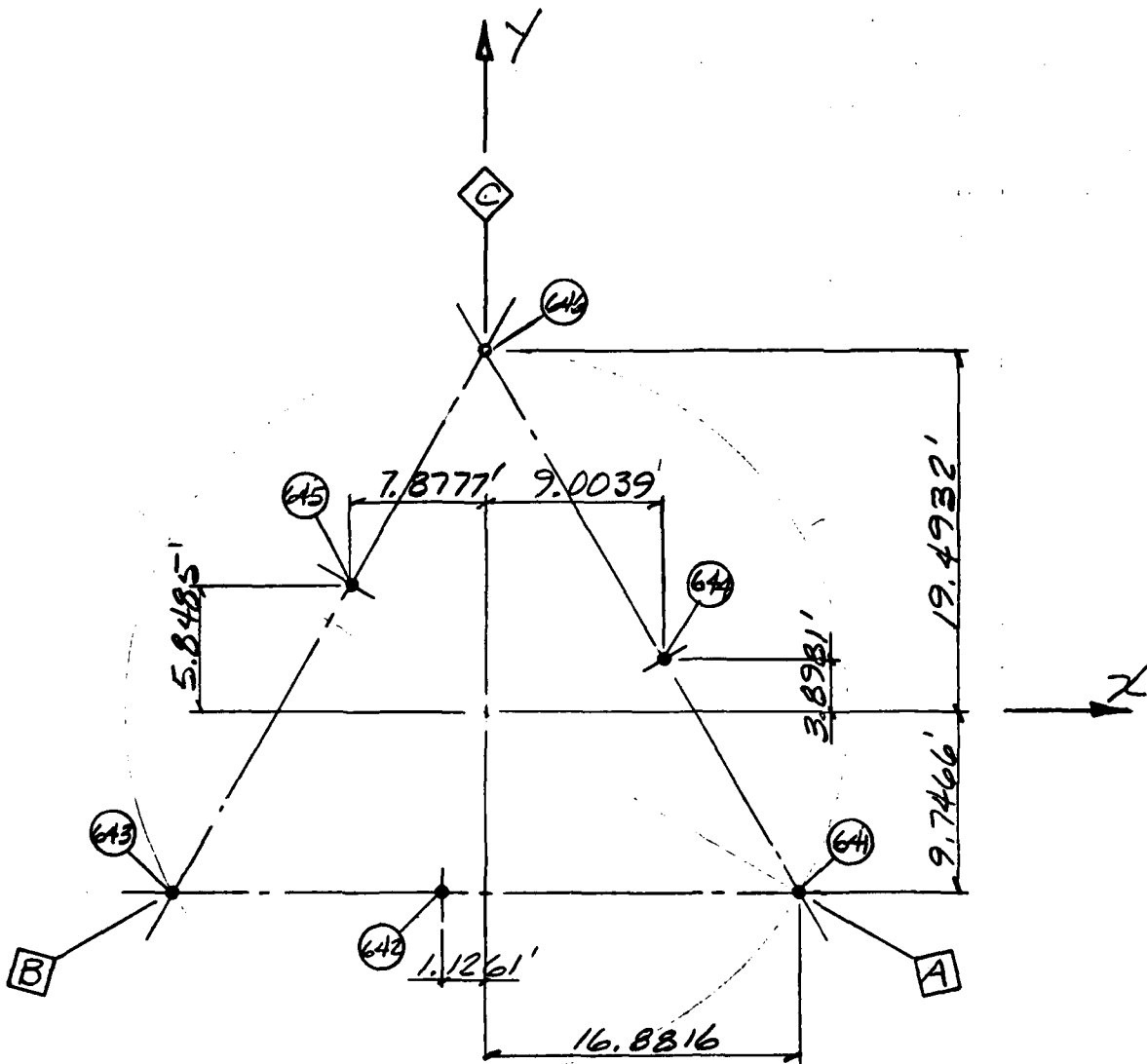
ELEV. (+) 16.5'

By ALB Client U.S. NAVY Subject DESIGN OF 93 MLW STRUCTURE  
Date 6-29-76 Job No. 27-271-95 Calculation \_\_\_\_\_



ELEV. (+) 12.0'

By [Signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 6-29-76 Job No. 27-771-95 Calculation \_\_\_\_\_



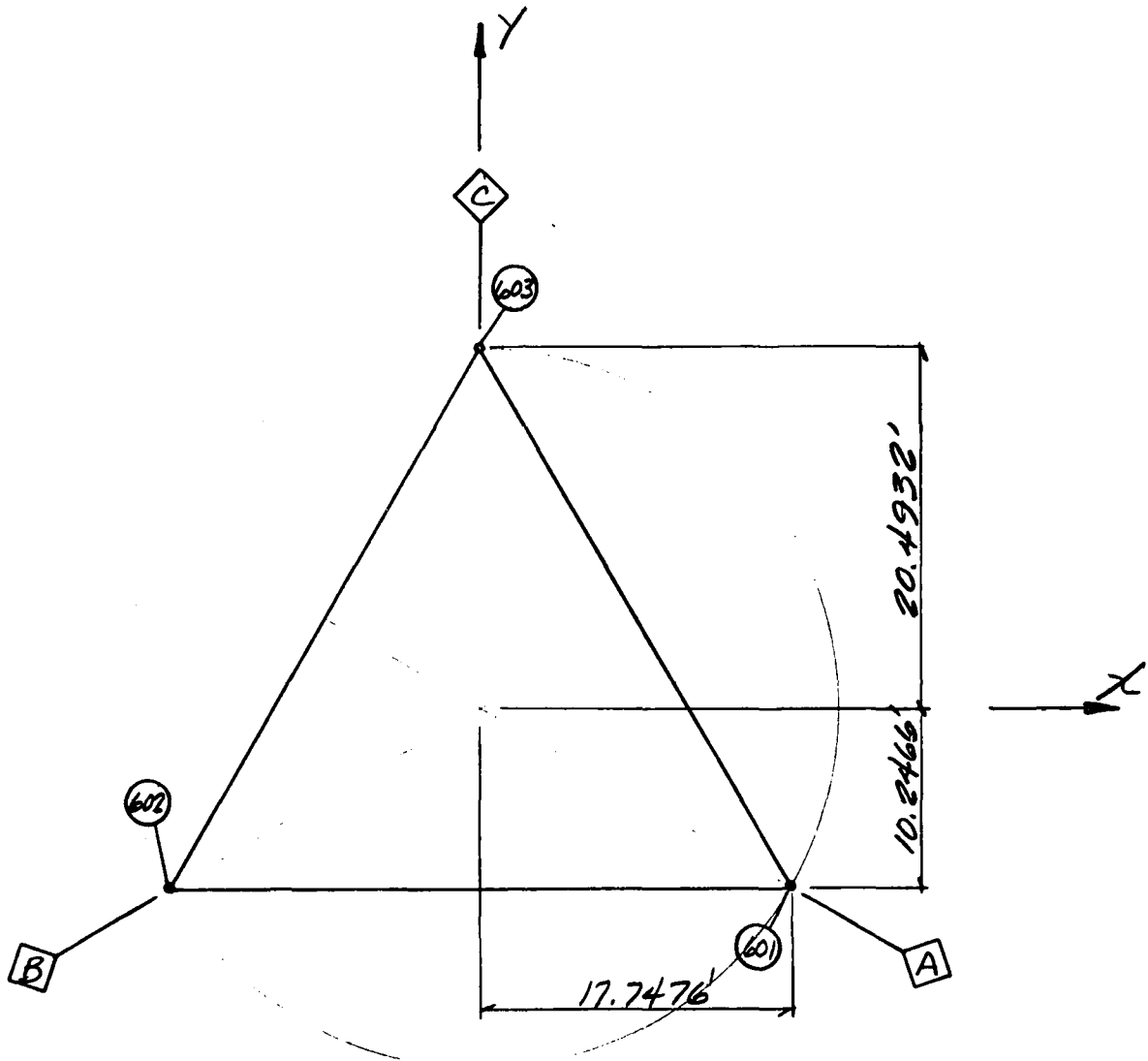
ELEV. (+) 0.0' 'MLW'

**CREST OFFSHORE, INC.**

3.11

Sheet \_\_\_ of \_\_\_

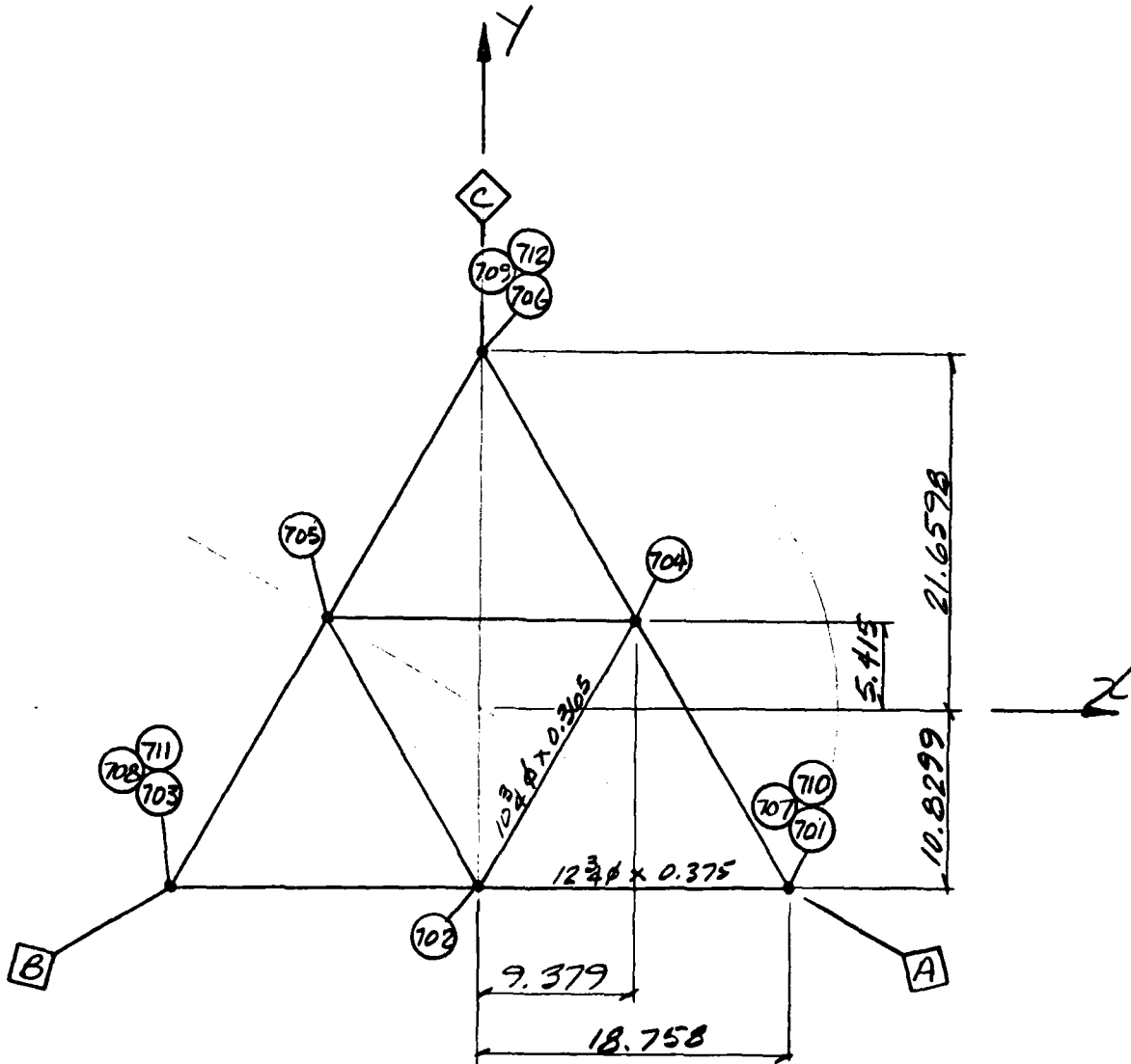
By ADP Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 6-22-76 Job No. 27-771-95 Calculation \_\_\_\_\_



Elev. (-) 6.0'

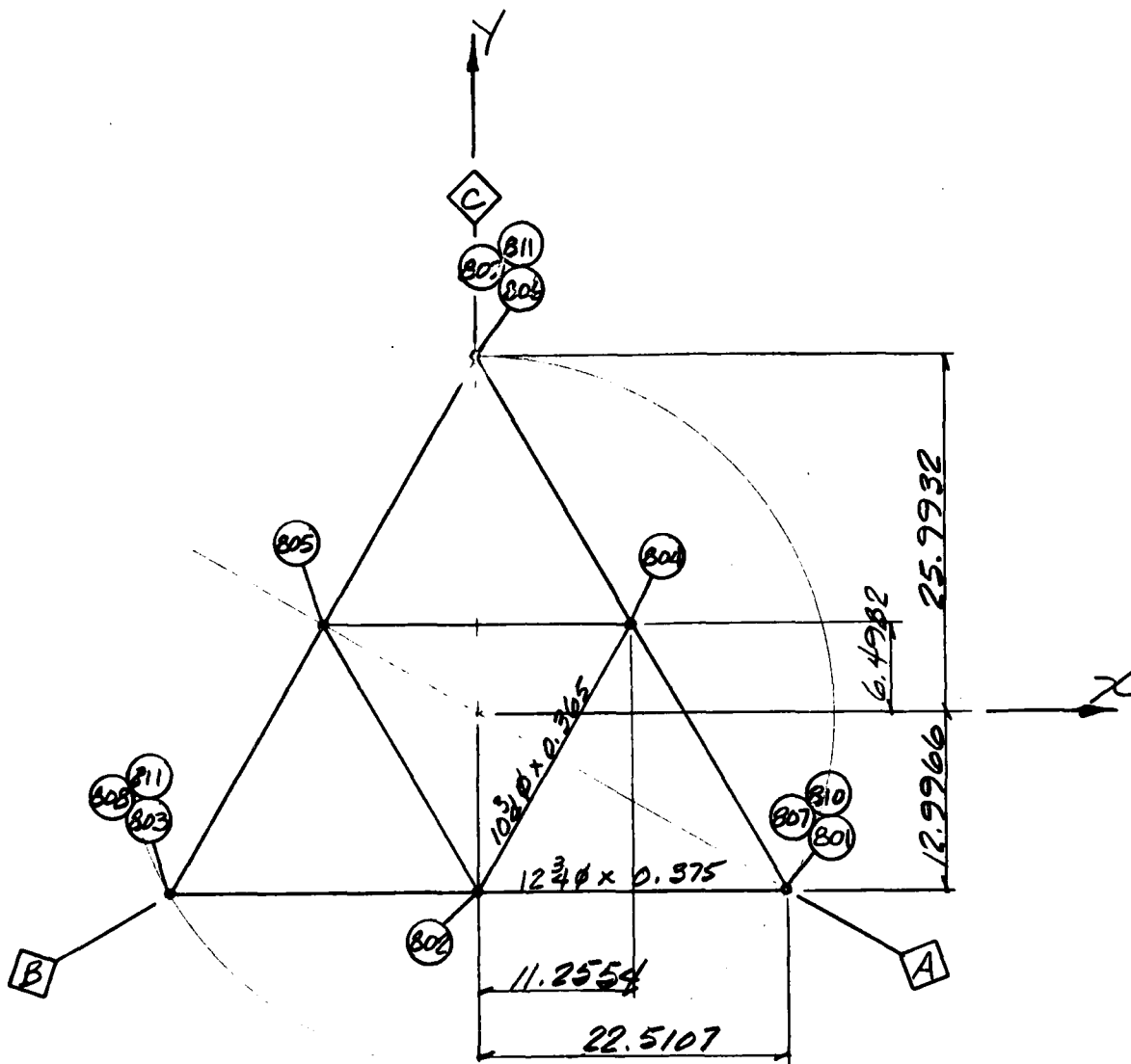


By ALB Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 6-29-76 Job No. 27-771-95 Calculation \_\_\_\_\_



ELEV. (-) 13.0'

By ALB Client U.S. NAVY Subject DESIGN OF 93' MLL STRUCTURE  
Date 6-29-76 Job No. 82-721-2E Calculation \_\_\_\_\_



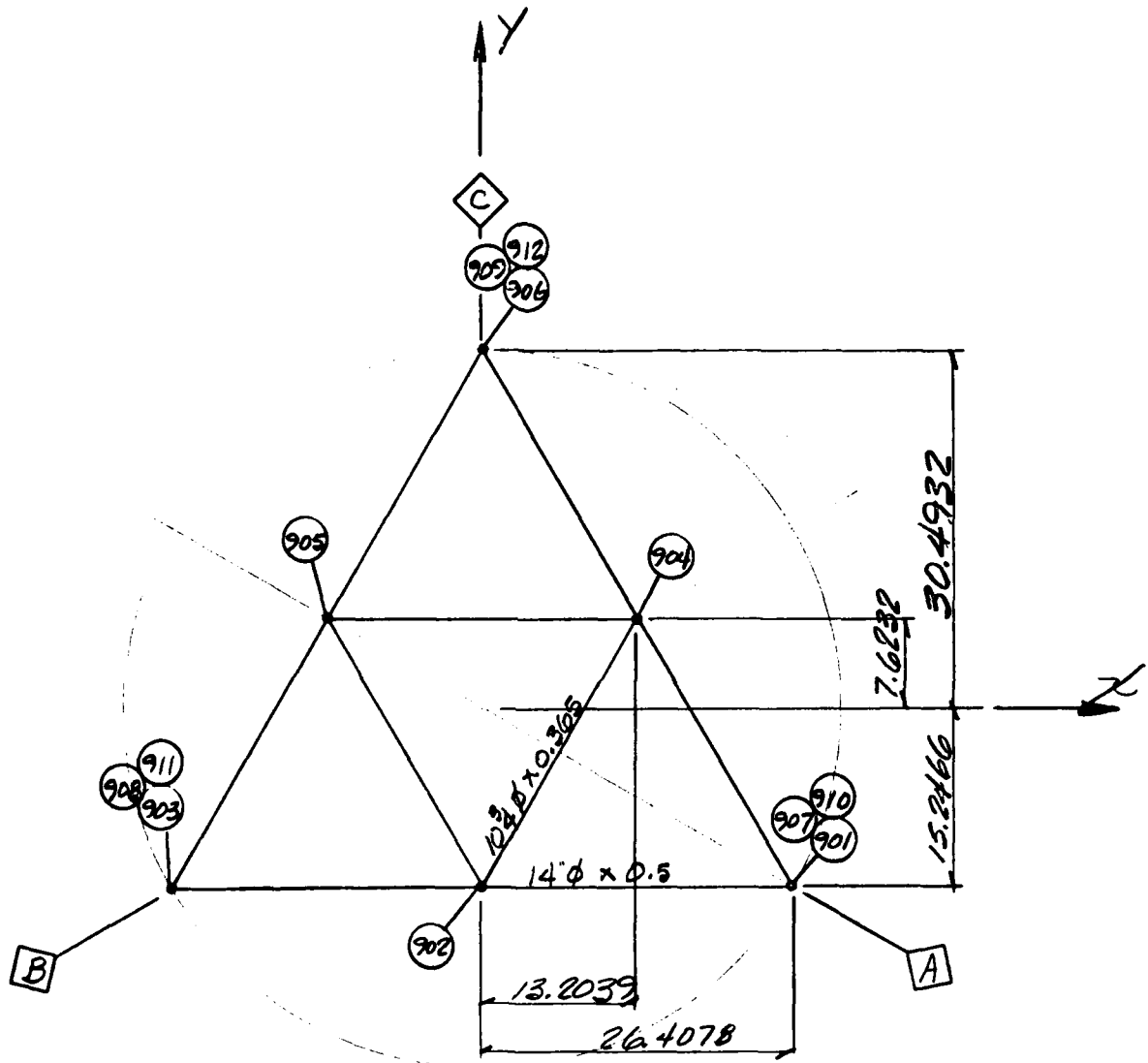
ELEV. (-) 39.0'

CREST OFFSHORE, INC.

3.14

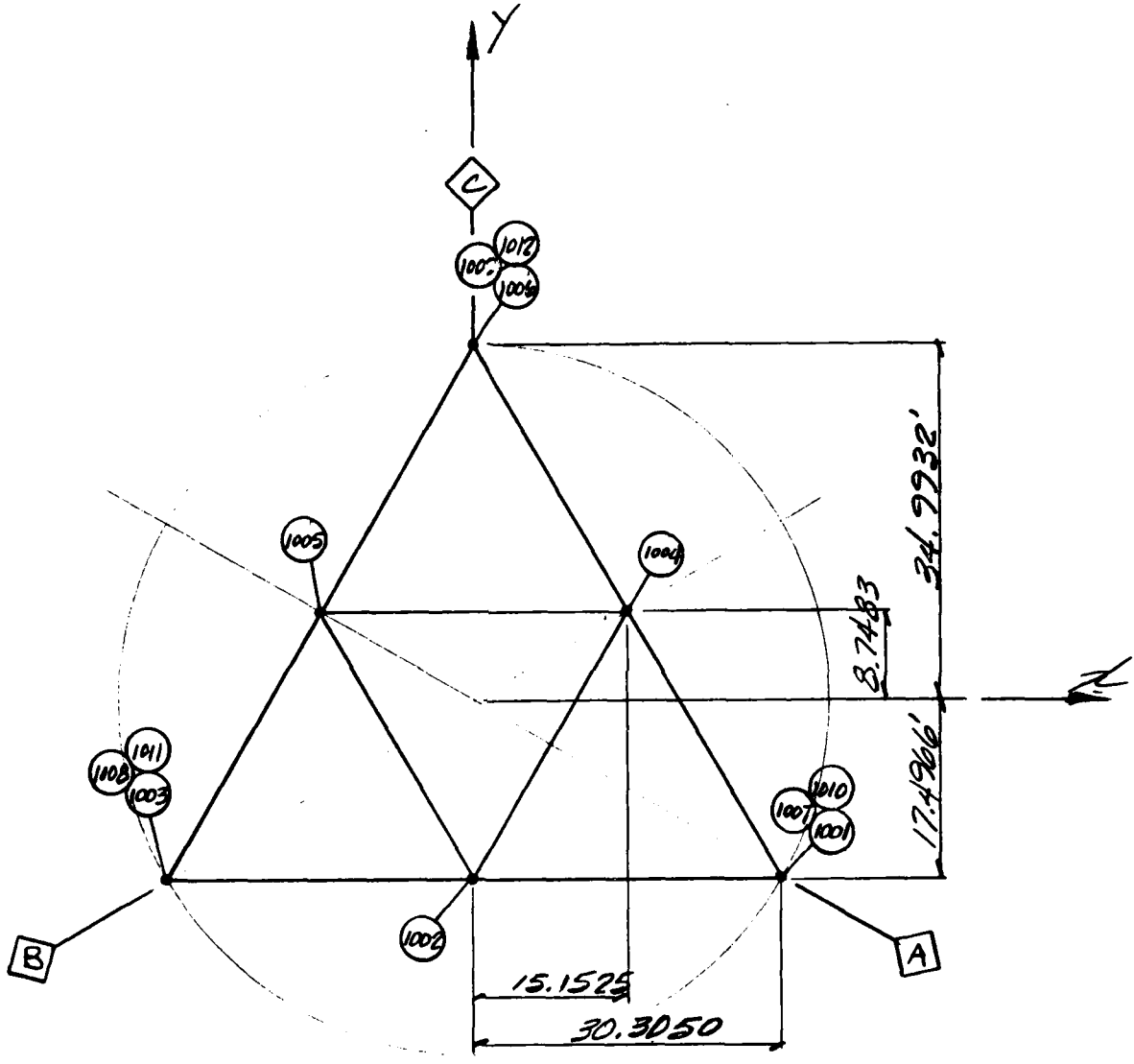
Sheet \_\_\_\_\_ of \_\_\_\_\_

By FOE Client U.S. NAVY Subject DESIGN OF 93' MCH STRUCTURE  
Date 6-29-76 Job No. 27-771-95 Calculation \_\_\_\_\_



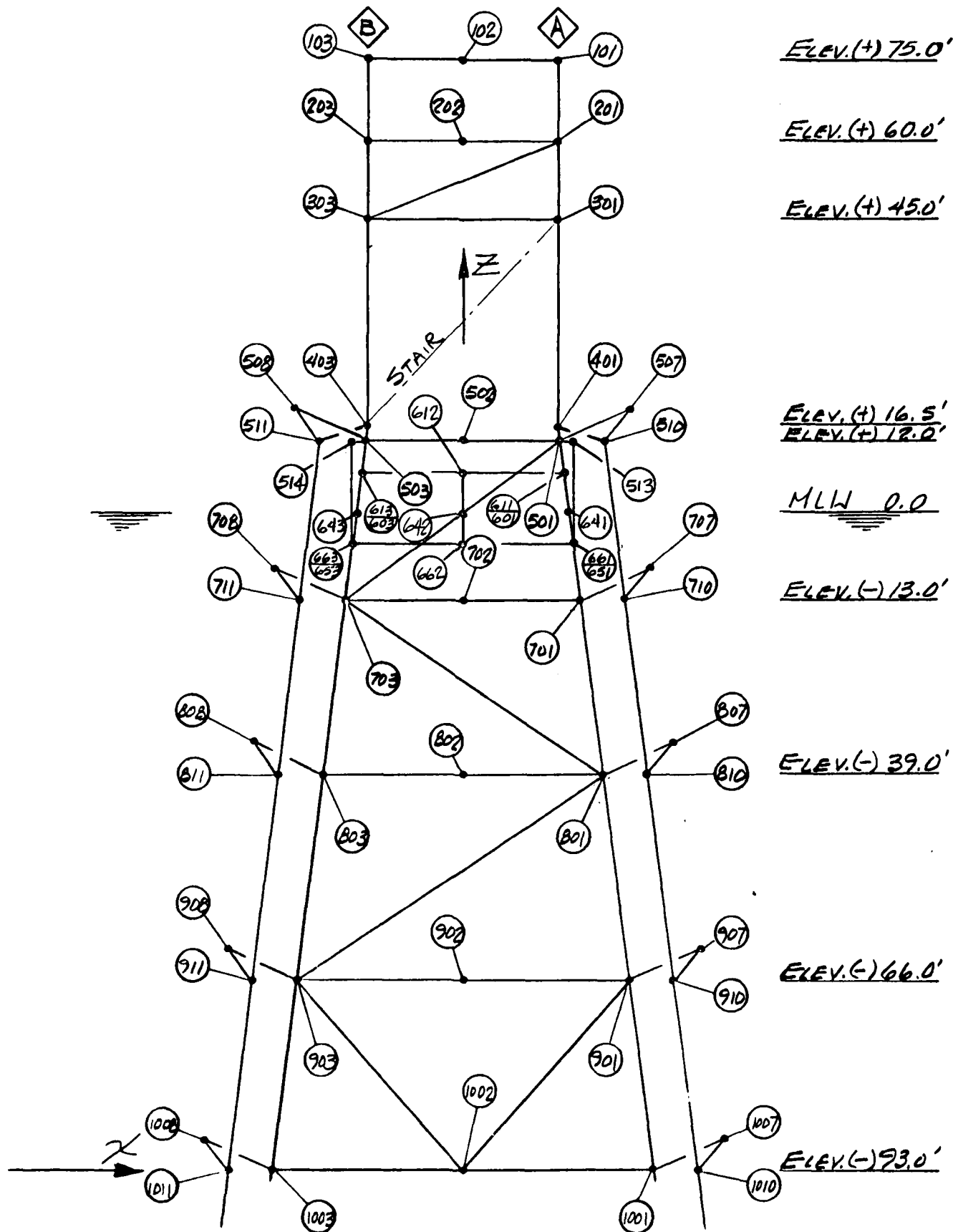
ELEV. (-) 66.0'

By ADD Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 6-22-76 Job No. 22-771-95 Calculation \_\_\_\_\_



ELEV. (-) 93.0'

By F. O. P. Client U.S. NAVY Subject DESIGN OF 93' MLL STRUCTURE  
Date 6-29-76 Job No. 27-771-95 Calculation \_\_\_\_\_

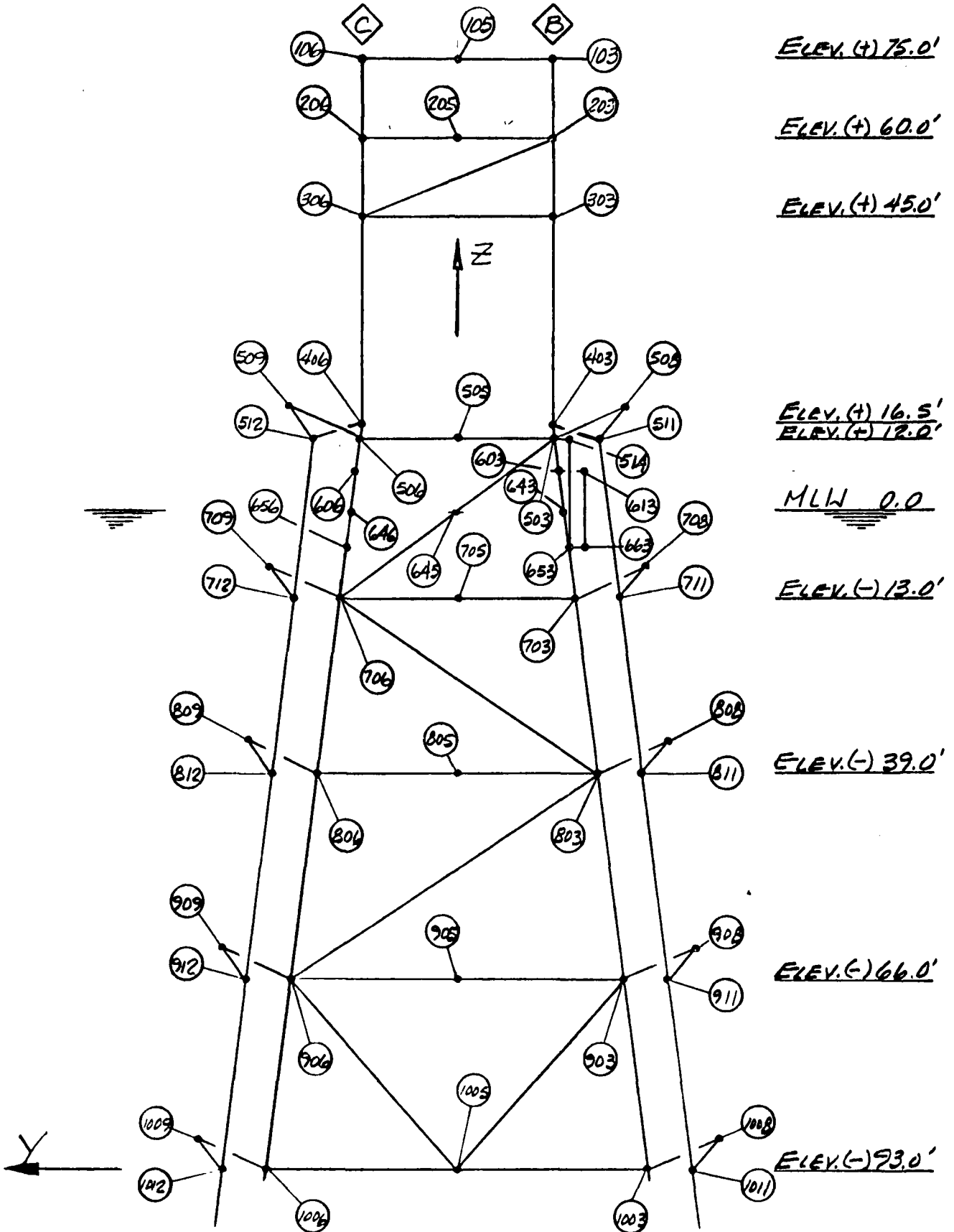


CREST OFFSHORE, INC.

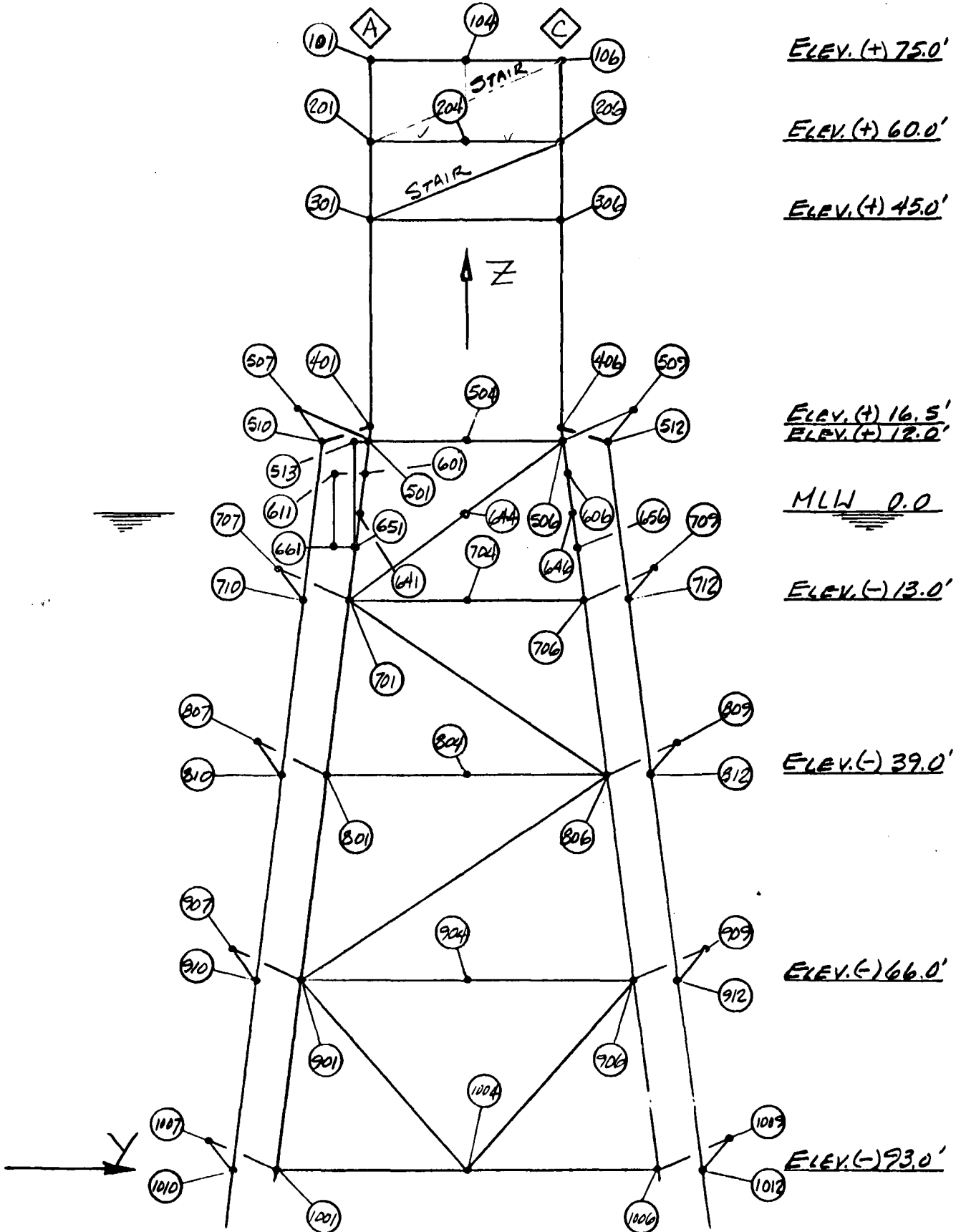
3.17

Sheet \_\_\_\_\_ of \_\_\_\_\_

By FLD Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 6-22-76 Job No. 27-771-92 Calculation \_\_\_\_\_



By ASD Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 6-29-76 Job No. 27-771-95 Calculation \_\_\_\_\_



S T A T E M E N T O F F I N A N C I A L D A T A

U.S. NAVY - ACMM PLATFORMS - PLATFORM NO. 2 - MNL 93.0 FEET - 50 YR STORM

LINE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49

DESCRIPTION	1	2	3	4	5	6	7	8	9
1 PLATFORMS	6	7	8	9					
2 A&J									
3 A&J									
4 SECT									
5 SECT									
6 SECT									
7 SECT									
8 SECT									
9 SECT									
10 GROUP									
11 GROUP									
12 GROUP									
13 GROUP									
14 GROUP									
15 GROUP									
16 GROUP									
17 GROUP									
18 GROUP									
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45 GROUP									
46 GROUP									
47 GROUP									
48 GROUP									
49 GROUP									

3.19

1800  
1800  
1800  
1800  
1800  
1800



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

U.S. NAVY - ACMM PLATFORMS - PLATFORM NO. 2 - MVL 93.0 FEET - 50 YR STORM

LINE NO.	1	2	3	4	5	6	7	8
50	PER-0	102	104	000				0800
51	PER-0	102	105	000				0800
52	PER-0	104	105	000				0800
53	PER-0	104	201	120SK	111	111		2400
54	PER-0	201	202	010				1800
55	PER-0	202	203	010				1800
56	PER-0	203	205	021				2100
57	PER-0	205	206	021				2100
58	PER-0	201	204	010				1800
59	PER-0	204	205	010				1800
60	PER-0	202	204	004				0800
61	PER-0	202	205	000				0800
62	PER-0	204	205	000				4300
63	PER-0	201	303	120				4300
64	PER-0	203	304	120				4300
65	PER-0	204	301	120				4300
66	PER-0	301	303	120SK	111	111		2400
67	PER-0	301	303	120				2100
68	PER-0	303	305	123				2100
69	PER-0	301	306	123				2100
70	PER-0	301	302	105				1800
71	PER-0	502	503	105				1600
72	PER-0	503	505	105				1600
73	PER-0	505	506	105				1900
74	PER-0	501	504	105				1600
75	PER-0	504	506	105				1600
76	PER-0	502	504	125				1275
77	PER-0	502	505	125				1275
78	PER-0	504	505	125				0900
79	PER-0	501	507	000SK	1111			0000
80	PER-0	507	510	000SK				0000
81	PER-0	503	509	000SK	1111			0000
82	PER-0	504	511	000SK				0000
83	PER-0	505	509	000SK	1111			0000
84	PER-0	509	512	000SK				0000
85	PER-0	501	513	125SK				1200
86	PER-0	503	514	125SK				1200
87	PER-0	513	651	000SK				4000
88	PER-0	514	653	000SK				4000
89	PER-0	601	611	100SK				1400
90	PER-0	603	613	100SK				1400
91	PER-0	601	601	100SK				1400
92	PER-0	603	603	100SK				1400
93	PER-0	611	612	000SK				1200
94	PER-0	612	613	000SK				1200
95	PER-0	601	602	000SK				2600
96	PER-0	602	603	000SK				2600
97	PER-0	611	601	100SK				3000
98	PER-0	612	602	100SK				2000

3.20

STRAN INPUT DATA

PAGE 3  
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NU. 2 - MAL 93.0 FEET - 50 YR 8TORM

LINE NO. 1 2 3 4 5 6 7 8

99	MEMBER	613	603	106SK					3000
100	MEMBER	501	642	200					2000
101	MEMBER	503	645	200					2000
102	MEMBER	506	699	200					2000
103	MEMBER	642	703	200					3032
104	MEMBER	645	705	200					3032
105	MEMBER	644	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	KNVSK					0000
116	MEMBER	707	710	KNVSK	1111				0000
117	MEMBER	703	708	KNVSK					0000
118	MEMBER	704	711	KNVSK	1111				0000
119	MEMBER	706	709	KNVSK					0000
120	MEMBER	709	712	KNVSK	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	169					2033
129	MEMBER	804	805	168					2033
130	MEMBER	802	804	148					1757
131	MEMBER	802	805	148					1757
132	MEMBER	804	805	148					0000
133	MEMBER	801	807	KNVSK	1111				0000
134	MEMBER	807	810	KNVSK					0000
135	MEMBER	803	808	KNVSK	1111				0000
136	MEMBER	804	811	KNVSK					0000
137	MEMBER	806	809	KNVSK	1111				0000
138	MEMBER	809	812	KNVSK					0000
139	MEMBER	801	903	200					3032
140	MEMBER	803	904	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

3.21



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

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 = HML 93.0 FEET = 50 YN STORM

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

197	MEMBER	043	653	JL6			F	6823	
198	MEMBER	646	556	JL6			F	6823	
199	MEMBER	651	701	JL6			F	6823	
200	MEMBER	653	703	JL6			F	6823	
201	MEMBER	659	704	JL6			F	6823	
202	MEMBER	701	801	JL7			F	6547	
203	MEMBER	703	803	JL7			F	6547	
204	MEMBER	706	804	JL7			F	6547	
205	MEMBER	801	901	JL8			F	6547	
206	MEMBER	803	903	JL8			F	6547	
207	MEMBER	809	906	JL8			F	6547	
208	MEMBER	9011001	JL9				F	6547	
209	MEMBER	9031003	JL9				F	6547	
210	MEMBER	9091006	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	PUJND								
227	CHRG	4	0.05		0.05	0.005			
228	PILE	1010	200.0		24.0	11.6			
229	PUJN		42.0		42.0	2.375	20.0		
230	PRIP		42.0		42.0	1.75	70.0		
231	PRUM		42.0		42.0	1.5	120.0		
232	PRUP		42.0		42.0	1.5	200.0		
233	PV	2	0.0		0.0				
234	PWCE		0.0		0.0				
235	DEFL		0.0		20.0				
236	PV	2	5.0						
237	PWCE		0.0		0.0				
238	DEFL		0.0		20.0				
239	PV	6	8.0						
240	PWCE		0.0		0.107	0.129	0.153	0.169	0.188
241	PWCE		0.237		0.237				
242	DEFL		0.0		0.04				
243	DEFL		1.58		20.0				
244	PV	6	14.0						
245	PWCE		0.0		0.166	0.611	0.906	1.136	1.440

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

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

LINE NO.	1	2	3	4	5	6	7	8
246	FURCE	2.274						
247	DEFL	0.0	0.11	0.26	0.42	0.70		
248	DEFL	1.58						
249	PY	20.0						
250	FURCE	0.0	1.081	2.347	2.096	3.644		
251	FURCE	5.830						
252	DEFL	0.0	0.14	0.28	0.43	0.70		
253	DEFL	1.58						
254	PY	33.0						
255	FURCE	0.0	3.444	4.456	5.337	6.572		
256	FURCE	10.515						
257	DEFL	0.0	0.18	0.31	0.45	0.70		
258	DEFL	1.58						
259	PY	33.08						
260	FURCE	0.0	1.838	2.494	3.384	4.594		
261	FURCE	4.594						
262	DEFL	0.0	0.16	0.40	1.01	2.52		
263	DEFL	20.0						
264	PY	45.0						
265	FURCE	0.0	3.150	4.275	5.802	7.875		
266	FURCE	7.875						
267	DEFL	0.0	0.16	0.40	1.01	2.52		
268	DEFL	20.0						
269	PY	45.08						
270	FURCE	0.0	3.433	4.714	5.791	7.259		
271	FURCE	11.615						
272	DEFL	0.0	0.15	0.29	0.44	0.70		
273	DEFL	1.58						
274	PY	65.0						
275	FURCE	0.0	4.840	6.980	8.210	10.303		
276	FURCE	10.445						
277	DEFL	0.0	0.15	0.28	0.44	0.70		
278	DEFL	1.58						
279	PY	90.0						
280	FURCE	0.0	6.551	9.079	11.176	14.040		
281	FURCE	22.464						
282	DEFL	0.0	0.14	0.28	0.44	0.70		
283	DEFL	1.58						
284	PY	90.08						
285	FURCE	0.0	3.003	4.689	5.986	7.706		
286	FURCE	12.324						
287	DEFL	0.0	0.098	0.25	0.41	0.70		
288	DEFL	1.58						
289	PY	95.0						
290	FURCE	0.0	3.167	4.945	6.314	8.126		
291	FURCE	15.001						
292	DEFL	0.0	0.096	0.25	0.41	0.70		
293	DEFL	1.58						
294	PY	114.0						

3.24

STRAN INPUT DATA

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

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
295	FURLE	0.0	1.838	3.728	5.633	7.452	9.594	
296	FURLE	15.350	15.350					
297	WEFL	0.0	0.022	0.097	0.225	0.41	0.70	
298	WEFL	1.58	20.0					
299	WILE	1011	200.0	11.6				
300	WILE	1012	200.0	11.6				
301	JOINT							
302	JOINT	101	1450	-837	16000			TOP DECK
303	JOINT	102	000	-837	16000			TOP DECK
304	JOINT	103	-1450	-837	16000			TOP DECK
305	JOINT	104	725	418	16000			TOP DECK
306	JOINT	105	-725	418	16000			TOP DECK
307	JOINT	106	000	1674	16000			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	13600			DK BRACE
315	JOINT	302	-1450	-837	13600			DK BRACE
316	JOINT	303	000	1674	13600			DK BRACE
317	JOINT	401	1450	-837	10950			MP LEVEL
318	JOINT	402	-1450	-837	10950			MP LEVEL
319	JOINT	403	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	10555			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 LOG
335	JOINT	602	-1601	-925	9900			BOAT LOG
336	JOINT	603	000	1848	9900			BOAT LOG
337	JOINT	611	1601	-1525	9900			BOAT LOG
338	JOINT	612	000	-1525	9900			BOAT LOG
339	JOINT	613	-1601	-1525	9900			BOAT LOG
340	JOINT	641	1688	-975	9300			MLM
341	JOINT	642	-113	-975	9300			MLM
342	JOINT	643	-1688	-975	9300			MLM
343	JOINT	644	900	390	9300			MLM

3.25

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

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DATE 08/23/76

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

LINE NO. 1 2 3 4 5 6 7 8

346	JOINT	045	-788	585	9300			MLA	
345	JOINT	046	000	1949	9300			MLW	
345	JOINT	051	1775	-1025	8700			BOAT LOG	
347	JOINT	053	-1775	-1025	8700			BOAT LOG	
348	JOINT	050	000	2049	8700			BOAT LOG	
349	JOINT	051	1775	-1525	8700			BOAT LOG	
350	JOINT	062	000	-1525	8700			BOAT LOG	
351	JOINT	063	-1775	-1525	8700			BOAT LOG	
352	JOINT	701	1676	-1063	5000			7 LEVEL	
353	JOINT	702	000	-1063	5000			7 LEVEL	
354	JOINT	703	-1676	-1063	8000			7 LEVEL	
355	JOINT	704	938	542	8000			7 LEVEL	
356	JOINT	705	-938	542	8000			7 LEVEL	
357	JOINT	706	000	2104	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	1676	-1093	8001			7 LEVEL	
362	JOINT	711	-1676	-1093	8001			7 LEVEL	
363	JOINT	712	000	2104	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	2549	5400			8 LEVEL	
370	JOINT	807	2422	-1348	5433			8 LEVEL	
371	JOINT	808	-2422	-1348	5433			8 LEVEL	
372	JOINT	809	000	2747	5433			8 LEVEL	
373	JOINT	810	2251	-1300	5401			8 LEVEL	
374	JOINT	811	-2251	-1300	5401			8 LEVEL	
375	JOINT	812	000	2549	5401			8 LEVEL	
376	JOINT	901	2641	-1525	2700			9 LEVEL	
377	JOINT	902	000	-1525	2700			9 LEVEL	
378	JOINT	903	-2641	-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	2612	-1623	2733			9 LEVEL	
383	JOINT	908	-2612	-1623	2733			9 LEVEL	
384	JOINT	909	000	3267	2733			9 LEVEL	
385	JOINT	910	2641	-1525	2701			9 LEVEL	
386	JOINT	911	-2641	-1525	2701			9 LEVEL	
387	JOINT	912	000	3049	2701			9 LEVEL	
388	JOINT	1001	3031	-1750	000			MUCLINE	
389	JOINT	1002	000	-1750	000			MUCLINE	
390	JOINT	1003	-3031	-1750	000			MUCLINE	
391	JOINT	1004	1515	875	000			MUCLINE	
392	JOINT	1005	-1515	875	000			MUCLINE	

STRAN INPUT DATA

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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  
.....5.....0.....5.....0.....5.....0.....5.....0.....5.....0.....5.....0.....5.....0

LINE NO.	1	2	3	4	5	6	7	8	MUDDLINE
393	000	3499	000						MUDDLINE
394	3201	-1448	033						MUDDLINE
395	-3201	-1448	033						MUDDLINE
396	000	3497	033						MUDDLINE
397	3031	-1750	001						111111
398									MUDDLINE
399				1010	910	08100			
400	-3031	-1750	001						111111
401									MUDDLINE
402				1011	911	08100			
403	000	3499	001						111111
404									MUDDLINE
405				1012	912	08100			



S T R A N - G R O U P P R O P E R T I E S R E P O R T

PAGE 1  
DATE 08/27/76

U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - 4ML 93.0 FEET - 50 YH 8TUMY  
TUBULAR MEMBER PROPERTIES

STATION	JOINT	WT	UD	AX	IX	IV	IZ	FY	KY	KZ	SHEAR	INPUT
NO.	TYPE	IN.	IN.	IN2	IN4	IN4	IN4	KSI	IN4	IN2	IN2	FI.
104	1	0.00	5.62	12.75	211.04	105.52	105.52	36.0	1.0	1.0	6.38	0.00
105	1	0.00	10.75	26.27	649.04	324.52	324.52	36.0	1.0	1.0	13.13	0.00
106	1	0.00	12.75	19.24	723.09	361.54	361.54	36.0	0.8	1.0	9.62	0.00
107	1	0.00	12.75	28.27	1021.89	510.93	510.93	36.0	0.8	1.0	14.14	0.00
108	1	0.00	12.75	19.24	723.09	361.54	361.54	36.0	0.8	0.8	9.62	0.00
109	1	0.00	12.75	19.24	723.09	361.54	361.54	36.0	0.8	0.8	9.62	0.00
110	1	0.00	12.75	11.91	321.47	160.73	160.73	36.0	1.0	0.8	5.95	0.00
111	1	0.00	12.75	11.91	321.47	160.73	160.73	36.0	0.8	0.8	5.95	0.00
112	1	0.00	12.75	11.91	321.47	160.73	160.73	36.0	0.8	0.8	5.95	0.00
113	1	0.00	12.75	16.00	445.52	222.76	222.76	36.0	0.8	0.8	6.03	0.00
114	1	0.00	12.75	16.00	445.52	222.76	222.76	36.0	0.8	0.8	6.03	0.00
115	1	0.00	12.75	16.00	445.52	222.76	222.76	36.0	0.8	0.8	6.03	0.00
116	1	0.00	12.75	14.58	358.67	179.34	179.34	36.0	1.0	0.8	7.29	0.00
117	1	0.00	12.75	14.58	358.67	179.34	179.34	36.0	1.0	0.8	7.29	0.00
118	1	0.00	12.75	14.58	358.67	179.34	179.34	36.0	1.0	0.8	7.29	0.00
119	1	0.00	12.75	21.21	407.51	203.76	203.76	36.0	1.0	0.8	10.60	0.00
120	1	0.00	12.75	21.21	407.51	203.76	203.76	36.0	1.0	0.8	10.60	0.00
121	1	0.00	12.75	21.21	407.51	203.76	203.76	36.0	1.0	0.8	10.60	0.00
122	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
123	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
124	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
125	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
126	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
127	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
128	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
129	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
130	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
131	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
132	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
133	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
134	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
135	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
136	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
137	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
138	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
139	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
140	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
141	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
142	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
143	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
144	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
145	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
146	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
147	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
148	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
149	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00
150	1	0.00	12.75	30.04	575.94	287.97	287.97	36.0	1.0	0.8	19.02	0.00

3.28

STRAN - GROUP PROPERTIES REPORT

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DATE 05/21/76

U.S. NAVY - ACMK PLATFORMS - PLATFORM NO. 2 - TAL 93.0 FEET - 50 YK STORM  
WIDE FLANGE/WIDE FLANGE COMPACT MEMBER PROPERTIES

MEM	WYS	FLANGE THICK IN.	FLANGE WIDTH IN.	WELD THICK IN.	WELD RADIUS IN.	DEPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	KY	KZ	LB FT.	SEC FT.	LEN FT.	INPUT
1	1	.570	7.50	.500	.500	18.00	16.20	1.25	802.00	40.20	36.0	2.0	.01	.01	0.00	
2	1	.548	6.50	.500	.500	7.93	7.06	.34	82.50	18.20	36.0	1.0	.01	.01	0.00	
3	1	.740	6.50	.655	.640	21.24	21.50	3.02	1600.00	70.60	36.0	2.0	.01	.01	0.00	

\*\*\* E = 29000000.0 PSI, G = 11000000.0 PSI \*\*\*

3.29

STRAN - GROUP PROPERTIES REPORT

PAGE 3  
DATE 08/27/76

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

GRP	W/S	DEPTH	Y-DPTH	AX	IA	IY	IZ	FY	KY	KZ	INPUT
		IN.	IN.	IN.	IN.	IN.	IN.	IN.			SEC LEN
											FT.
001	1	24000000.0	24000000.0	50.00	30000.00	30000.00	30000.00	36.0	1.0	1.0	0.00
		10.00	5.00								

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

By A. D. C. Client U.S. NAVY Subject DESIGN OF 23' MLW STRUCTURE  
 Date 7-9-76 Job No. 27-771-95 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<sup>2</sup> area and distributed uniformly along the 3 W18@50.

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

By A. B. O. Client U.S. NAVY Subject DESIGN OF 93' MLLW STRUCTURE  
 Date 7-9-76 Job No. 27-771-95 Calculation BASIC LOADS

Sheet \_\_\_\_\_ of \_\_\_\_\_

### 4.2. LIVE LOADS (CONT'D.)

2. Equipment Deck: 150 psf load was applied to a 364  $\text{F}^2$  area and distributed uniformly along the 3 main support beams.

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

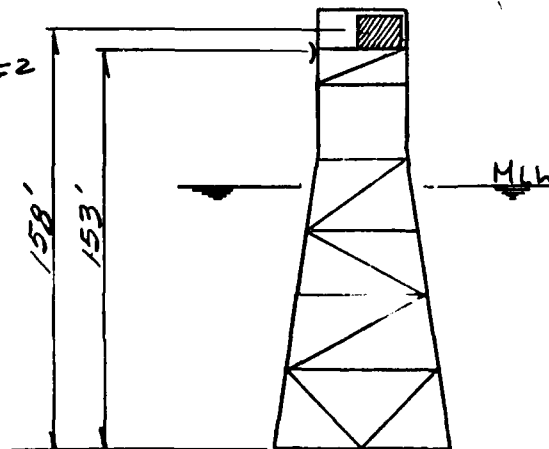
- a) Equipment Deck Cantilever: 150 psf load was applied to a 192  $\text{F}^2$  area and distributed uniformly along the W21@73 support beam.

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

### 4.3 Wind Load

1. Wind on the structure is considered in the SEALOAD 2 analysis.
2. Wind is applied to the solar panel and antenna

AREA @ 158' = 121  $\text{F}^2$   
 AREA @ 153' = 50  $\text{F}^2$



By ALD Client U.S. NAVY Subject DESIGN OF 93' MLW 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  $D_{eff}$  and  $C_m$  used in SEALOAD.

$$D_{act} = D + 2''$$

$$D_{eff} = D_{act} \times 1.02 / .74$$

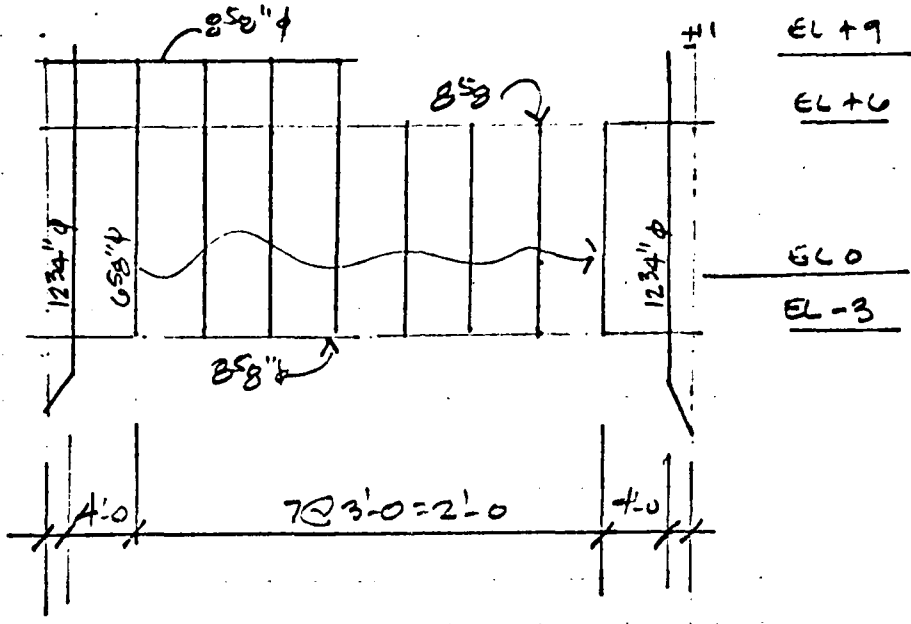
$$C_{meff} = \frac{D_{act}^2}{36 \times D_{eff}}$$

These equations produce the following table.

<u>D</u>	<u>D<sub>act</sub></u>	<u>D<sub>eff</sub></u>	<u>C<sub>m</sub></u>
10 <sup>3</sup> / <sub>4</sub> "	12.75	17.57	0.257
12 <sup>3</sup> / <sub>4</sub> "	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 <sup>1</sup> / <sub>2</sub> "	47.50	65.47	0.957
47 <sup>1</sup> / <sub>2</sub> "	49.50	68.23	0.997

By JLS Client U.S. NAVY Subject \_\_\_\_\_  
 Date 5/2/72 Job No. 21-771 Calculation \_\_\_\_\_

BOAT LANDING WAVE AREA



SURFACE AREA FRONT FACE  
HORIZONTALS

	1-8 5/8" φ = 0.72 φ × 10' =	11.52 φ	
	2- " = 0.72 × 29' × 2 =	41.76	53.28
VEFT.	2-12 3/4" = 1.0625 × 2 × 13' =	38.34	
	4-6 5/8" = 0.552 × 4 × 13' =	28.70	
	4- " = 0.552 × 4 × 10' =	22.08	89.12
		<u>142.4</u>	S.F.

BACK FACE

HOR.	1-6 5/8" φ = 0.552 × 10' × 1 =	8.83 S.F.
	2-8 5/8" φ = 0.720 × 29' × 2 =	41.76 "
VER.	3-6 5/8" φ = 0.552 × 9' × 2 =	9.94 "
	2-6 5/8" φ = 0.552 × 13' × 2 =	14.35 "
		<u>74.88</u>

ASSUMING BACK FACE IS SHIELDED SOMEWHAT

TOTAL AREA = 142.4 + 0.5 × 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 MIDLINE MOMENT = 115033.7969 FT-KIPS

Y MIDLINE MOMENT = 194.1206 FT-KIPS

RESULTANT MIDLINE MOMENT = 115033.9607 FT-KIPS

Z VERTICAL FORCE = -74.1271 KIPS

\*\*\*\* LOAD SUMMARY REPORT \*\*\*\*

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 = -54058,6062 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 = 1360,4603 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

6  
\*\*\*\* LOAD SUMMARY REPORT \*\*\*\*

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

4.10

SECTION 5.0  
LOADING CONDITIONS

## 5.1 INTRODUCTION

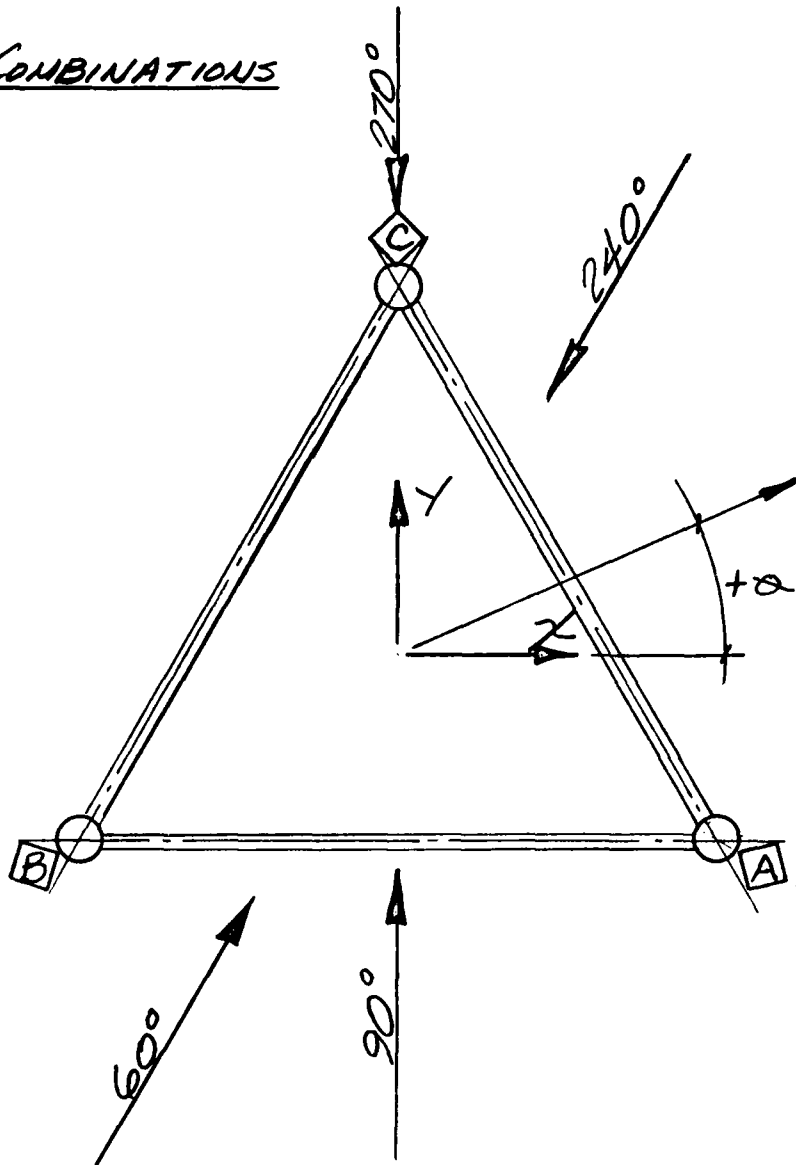
This section describes the wave approaches considered and the loading conditions used to analyze the structure for the 50 year storm.

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.



By AGB Client U.S. NAVY Subject DESIGN OF 93' MW STRUCTURE  
 Date 7-9-76 Job No. 27-771-95 Calculation \_\_\_\_\_

LOADING COMBINATIONS

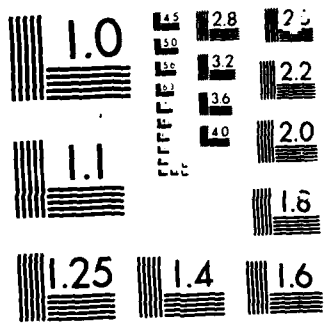


- LOAD CASE 1 : Wind and Wave at 60°
- LOAD CASE 2 : Wind and Wave at 90°
- LOAD CASE 3 : Wind and Wave at 240°
- LOAD CASE 4 : Wind and Wave at 270°
- LOAD CASE 5 : DEAD LOADS + LIVE LOADS

- 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





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.

By A.O. Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 9-3-76 Job No. 27-771-95 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.

STRAN MEMBER STRESS REPORT NO. 3

PAGE 1  
DATE 08/27/76

U.S. NAVY - ACME PLATFORMS - PLATFORM NO. 2 - 4ML 95.0 FEET - 50 YK STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITARY CAP.	LOAD UNIFORMITY	DIST FROM FACE	AXIAL STRESS	PENDING STRESS Z	SMEAR FORCE FY	FZ KIPS	KLY/RH	KLZ/RZ	SECOND-HIGHEST UNITARY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITARY CHECK	HIGHEST LOAD COND
101	102	AL001	6.40	7	0.0	8.72	1.78	-6.87	49.5	55.2	.828	A	.428	6
101	104	AL001	6.58	6	0.0	-7.57	1.67	-7.34	49.4	55.2	.418	6	.408	7
101	201	AL001	6.74	9	15.0	-2.02	9.68	5.97	17.5	17.5	.069	8	.039	6
102	103	AL001	6.83	7	14.5	5.89	1.57	7.24	49.5	55.2	.323	8	.274	6
102	104	AL001	6.71	7	14.5	1.74	1.19	1.17	50.9	108.3	.055	6	.049	9
102	105	AL001	6.41	6	10.9	1.46	1.01	1.06	50.9	108.3	.040	7	.034	6
103	103	AL001	6.62	7	0.0	5.56	1.43	-7.62	49.4	55.2	.294	9	.266	6
103	203	AL001	6.89	9	15.0	-2.53	10.21	7.17	17.5	17.5	.088	8	.047	7
104	103	AL001	6.49	7	0.0	1.12	1.03	-1.00	50.9	108.4	.044	8	.043	9
104	104	AL001	6.79	6	14.5	5.79	1.41	11.75	49.5	55.2	.249	6	.190	7
105	103	AL001	6.50	6	14.5	5.56	1.43	7.53	49.5	55.2	.262	9	.191	6
105	203	AL001	6.52	7	15.0	-1.14	5.78	-17.09	17.5	17.5	.111	6	.079	9
201	202	AL001	6.64	7	0.0	1.62	1.45	-9.93	49.4	55.2	.582	6	.551	8
201	204	AL001	7.02	7	0.0	-4.69	7.47	10.56	49.4	55.2	.664	6	.585	8
201	301	AL001	6.26	7	15.0	-7.75	14.92	60.27	17.5	17.5	.562	9	.470	6
201	303	AL001	6.53	7	52.6	1.17	31.80	11.88	73.7	92.2	.549	6	.251	8
202	203	AL001	6.12	7	14.5	1.82	6.59	10.27	49.5	55.2	.445	6	.409	6
202	204	AL001	6.74	7	14.5	-1.12	1.80	1.17	50.9	108.3	.058	6	.051	9
202	205	AL001	6.55	7	14.5	1.11	1.21	1.18	50.9	108.3	.052	8	.047	6
203	203	AL001	6.49	7	0.0	1.64	1.64	-26.82	40.3	48.0	.574	6	.470	9
203	303	AL001	6.14	6	15.0	-1.47	1.00	-56.50	17.5	17.5	.609	7	.541	9
203	306	AL001	6.92	9	32.6	4.43	10.69	18.73	73.7	92.2	.480	7	.412	8
204	203	AL001	6.14	6	14.5	1.16	1.37	1.19	50.9	108.4	.048	7	.044	6
204	204	AL001	6.54	6	14.5	3.54	7.06	15.37	49.5	55.2	.469	6	.401	7
205	206	AL001	6.59	6	14.5	-2.06	4.33	26.10	40.3	48.0	.469	9	.375	6
205	301	AL001	6.55	6	32.6	4.03	13.17	5.16	73.7	92.2	.504	9	.446	7
205	306	AL001	6.28	6	15.0	-1.55	-21.24	78.07	17.5	17.5	.682	9	.616	8
301	303	AL001	6.57	6	29.0	-2.50	16.49	2.89	64.2	64.2	.616	8	.563	7
301	306	AL001	6.55	7	29.0	-5.68	16.51	4.42	64.2	64.2	.750	6	.665	6
301	401	AL001	6.97	7	28.5	1.59	1.59	-102.96	33.5	33.5	.695	9	.507	6
303	306	AL001	6.90	7	29.0	3.30	15.02	3.99	64.2	64.2	.570	8	.551	9
303	403	AL001	6.70	6	28.5	-1.52	1.00	-18.99	33.5	33.5	.702	6	.694	9
306	406	AL001	6.03	7	28.5	-2.58	-24.00	-123.76	33.5	33.5	.856	9	.811	6
401	501	AL001	6.50	9	4.6	6.47	13.76	84.64	2.7	3.4	.724	7	.531	8
401	510	AL001	6.25	9	0.0	-6.04	5.62	-1.91	3.8	3.4	.245	7	.202	6
403	503	AL001	6.16	6	4.6	13.16	11.20	-47.70	2.7	3.4	.767	6	.755	9
403	511	AL001	6.42	6	4.6	-9.70	4.15	.82	3.8	3.4	.429	6	.340	9
406	506	AL001	6.59	7	4.6	16.38	9.13	-10.57	2.7	3.4	.814	9	.725	6
406	512	AL001	6.04	7	0.0	-11.65	6.27	26.07	3.8	3.8	.545	9	.500	6
501	502	AL001	6.375	9	15.1	-5.87	5.38	-11.15	26.7	33.4	.347	6	.325	7
501	504	AL001	6.52	9	0.0	7.27	12.56	-3.81	26.7	33.4	.720	7	.647	8
501	601	AL001	6.574	7	0.0	-15.29	118.58	-31.57	3.0	4.5	.672	9	.519	8
501	602	AL001	6.47	6	0.0	6.98	7.75	-8.60	28.4	28.4	.447	8	.312	9
502	503	AL001	6.01	9	0.0	-6.02	9.94	1.16	26.7	33.4	.300	7	.193	8
502	504	AL001	6.20	6	0.0	-1.56	1.14	-1.57	33.5	33.5	.114	6	.113	9
502	505	AL001	6.215	6	0.0	-1.40	4.49	.51	33.5	33.5	.210	8	.148	7
503	503	AL001	6.573	8	0.0	-6.89	-10.76	-1.96	26.7	33.4	.508	9	.472	6
503	603	AL001	6.74	6	0.0	10.52	9.94	57.16	3.0	4.5	.644	6	.622	7

6.03

6.04

STRAN MEMBER STRESS REPORT NO. 3

PAGE 2  
DATE 08/27/76

U.S. NAVY - ACMK PLATFORMS - PLATFORM NO. 2 - TNL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED LOAD CAP. (% OF END) KSI	DIST FROM STRESS KSI	AXIAL STRESS KSI	BENDING STRESS Y KSI	Z KSI	SHEAR FORCE / FY KIPS	PZ KIPS	KLY/RY MLZ/MZ	SECOND-HIGHEST LOAD		THIRD-HIGHEST LOAD	
										UNIT CHECK	COUN	UNIT CHECK	COUN
503	045 200-01	155	0	15.30	10.22	0.00	1.24	-14.93	28.4	.810	9	.795	7
504	505 125-01	178	7	-11.55	-4.58	0.00	-4.90	.33	33.5	.193	7	.156	6
505	506 165-01	178	7	-11.17	-11.46	0.00	-.45	6.75	26.7	.653	9	.614	6
506	507 165-01	154	6	5.06	11.82	0.00	-4.97	7.98	26.7	.526	8	.490	7
507	600 165-01	170	7	0.0	5.66	0.00	17.30	67.13	3.8	.640	9	.607	8
508	600 200-01	154	7	0.0	14.74	0.00	10.58	-12.59	28.4	.810	9	.818	6
509	710 110-01	152	7	0.0	-6.05	0.00	10.04	24.49	21.4	.245	7	.195	6
510	711 110-01	173	8	0.0	-4.78	0.00	-1.70	45.29	21.4	.429	6	.336	9
511	712 110-01	163	7	0.0	-11.00	0.00	-.12	55.95	21.4	.534	9	.490	6
512	601 160-01	150	4	0.0	7.95	0.00	-86.70	23.15	4.5	.500	7	.331	6
513	605 160-01	152	5	0.0	5.58	0.00	64.43	48.29	3.8	.501	6	.432	9
600	600 160-01	150	7	0.0	3.76	0.00	17.30	48.27	3.8	.584	9	.529	8
601	601 160-01	150	4	0.0	3.58	0.00	-76.32	18.26	3.8	.376	7	.197	8
602	705 160-01	151	6	21.9	8.96	0.00	15.92	30.7	30.7	.493	8	.258	7
603	605 160-01	149	8	0.0	10.18	0.00	63.77	39.00	3.8	.392	6	.290	9
604	701 200-01	159	4	21.9	-14.50	0.00	4.57	-5.04	30.7	.641	7	.546	8
605	706 200-01	150	7	21.9	-4.58	0.00	-8.44	-5.81	30.7	.654	9	.614	6
606	605 160-01	150	7	0.0	14.04	0.00	17.30	40.54	3.8	.522	4	.479	6
607	701 160-01	135	4	0.0	8.50	0.00	-16.82	12.03	5.3	.293	7	.150	8
608	705 160-01	143	4	7.1	-10.84	0.00	-13.92	-5.51	4.2	.441	8	.270	7
609	706 160-01	154	7	7.1	14.00	0.00	17.30	7.42	5.3	.401	9	.342	6
701	702 157-01	159	8	18.8	-4.53	0.00	-6.14	-5.3	82.3	.388	6	.342	9
701	601 157-01	164	4	18.8	-2.41	0.00	6.17	-.51	15.9	.370	8	.200	7
701	601 167-01	169	4	13.2	3.52	0.00	-3.75	-2.41	15.9	.370	7	.287	6
701	606 200-01	174	7	0.0	-12.12	0.00	-7.31	7.94	68.4	.633	9	.610	6
702	705 157-01	141	8	18.2	-5.27	0.00	-4.15	1.12	41.1	.349	9	.324	7
702	704 127-01	158	7	0.0	-.74	0.00	2.46	-.63	49.0	.156	9	.050	8
705	705 157-01	170	7	18.8	-1.55	0.00	-4.17	-.35	82.3	.258	9	.177	8
705	601 160-01	149	4	0.0	-9.64	0.00	17.02	3.82	68.4	.554	8	.247	7
705	605 167-01	154	4	6.4	17.14	0.00	-.05	.78	15.9	.752	6	.558	9
705	605 167-01	152	4	0.0	-1.40	0.00	4.51	-.67	49.0	.214	7	.215	8
705	706 157-01	167	4	18.8	-3.37	0.00	4.04	.93	82.3	.255	7	.230	8
705	605 200-01	142	4	0.0	-12.10	0.00	-2.74	1.15	82.3	.242	6	.176	7
705	601 167-01	141	7	6.4	19.76	0.00	-6.42	3.71	15.9	.802	9	.617	6
705	606 162-01	154	4	26.4	-9.47	0.00	9.73	7.60	22.3	.143	7	.090	8
705	605 162-01	150	4	26.4	-4.75	0.00	-1.13	6.65	22.3	.351	6	.241	9
712	612 160-01	175	7	26.4	-10.41	0.00	-.12	9.69	22.3	.412	9	.408	6
801	802 160-01	140	4	22.5	-3.71	0.00	-5.01	-.61	98.7	.319	8	.316	7
801	804 165-01	144	4	22.5	-8.40	0.00	5.30	-.30	98.7	.343	7	.316	8
801	401 160-01	157	4	6.4	6.88	0.00	.24	4.45	20.6	.350	7	.149	4
801	405 200-01	142	8	55.9	-5.91	0.00	-12.34	-2.15	78.3	.501	6	.258	9
802	604 140-01	120	4	0.0	3.18	0.00	-1.94	.56	98.7	.511	7	.275	6
802	605 140-01	120	4	0.0	1.50	0.00	-1.94	.58	98.7	.511	7	.275	6
802	605 140-01	120	4	0.0	-1.06	0.00	-3.34	-.53	58.8	.211	8	.129	7
805	605 140-01	131	8	0.0	-3.23	0.00	.58	-1.24	98.7	.252	9	.222	7
805	405 160-01	145	8	27.0	4.24	0.00	-20.12	-18.56	16.5	.441	6	.243	9



STRAN MEMBER STRESS REPORT NO. 3

PAGE 3  
DATE 08/27/76

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

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNIT LOAD CK	DIST FROM	AXIAL STRESS	BENDING STRESS		SPEAK FORCE	KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST		THIRD-HIGHEST	
					Y	Z					UNITY CHECK	CUND	UNITY CHECK	CUND
803	906	200-01	0.0	-12.40	-6.40	0.00	0.00	7.25	78.3	74.3	.776	7	.645	8
804	905	140-01	22.5	-1.17	-5.36	0.00	0.00	.57	58.8	58.8	.210	7	.200	6
805	815	160-01	22.5	-4.74	-5.11	0.00	0.00	1.03	98.7	49.4	.425	6	.301	6
806	806	160-01	22.5	2.49	5.39	0.00	0.00	1.15	98.7	49.4	.226	8	.176	7
807	901	200-01	0.0	-11.20	-7.30	0.00	0.00	6.02	78.3	74.3	.657	7	.604	8
808	906	140-01	13.7	15.03	2.31	0.00	0.00	-5.90	16.5	20.6	.523	9	.404	6
809	910	160-01	27.4	-5.55	-2.70	0.00	0.00	9.93	23.2	23.2	.218	7	.131	8
810	911	160-01	27.4	-3.43	-4.41	0.00	0.00	-1.42	50.95	23.2	.394	6	.319	9
811	912	160-01	27.4	-10.49	-4.34	0.00	0.00	-1.12	54.72	23.2	.442	9	.429	6
812	902	160-01	26.4	-5.51	-4.72	0.00	0.00	5.09	106.2	53.1	.324	8	.282	7
813	904	160-01	26.4	-6.13	-4.37	0.00	0.00	3.45	106.2	53.1	.367	9	.356	6
814	1001	140-01	0.0	0.04	3.04	0.00	0.00	18.20	16.5	20.6	.098	9	.095	7
815	1002	160-01	37.8	-7.47	-3.04	0.00	0.00	-3.92	66.8	66.8	.381	6	.381	7
816	1003	160-01	37.8	-14.33	-2.82	0.00	0.00	1.79	66.8	66.8	.593	9	.478	6
817	903	160-01	26.4	-5.08	-4.05	0.00	0.00	2.7	106.2	53.1	.247	8	.247	7
818	904	140-01	0.0	0.0	2.94	0.00	0.00	-1.67	69.0	69.0	.109	7	.035	8
819	905	140-01	0.0	0.0	-0.9	0.00	0.00	-3.03	69.0	69.0	.230	8	.142	7
820	905	160-01	0.0	-7.74	-3.82	0.00	0.00	.09	1.24	106.2	.630	9	.372	7
821	1002	160-01	0.0	-4.06	-4.33	0.00	0.00	5.30	1.23	66.8	.413	8	.112	7
822	1003	140-01	0.0	1.48	3.68	0.00	0.00	19.30	16.5	20.6	.160	6	.160	9
823	905	160-01	0.0	-16.12	-4.53	0.00	0.00	1.38	66.8	66.8	.612	7	.700	8
824	906	160-01	26.4	-1.06	-3.78	0.00	0.00	-3.27	69.0	69.0	.224	7	.282	6
825	906	160-01	26.4	-6.77	-3.81	0.00	0.00	1.85	1.21	106.1	.377	6	.247	9
826	906	160-01	26.4	-6.93	-3.30	0.00	0.00	2.64	106.1	53.1	.518	8	.401	6
827	1004	160-01	0.0	-14.08	-4.13	0.00	0.00	-3.01	66.8	66.8	.639	7	.641	8
828	1005	160-01	37.8	-15.46	-2.93	0.00	0.00	1.27	66.8	66.8	.768	9	.674	6
829	1006	140-01	0.0	-1.52	-2.80	0.00	0.00	6.49	16.5	20.6	.142	7	.109	6
830	1010	160-01	27.4	-4.40	-11.58	0.00	0.00	10.28	107.20	23.4	.491	7	.177	8
831	1011	160-01	27.4	-7.59	-14.52	0.00	0.00	-2.09	144.94	23.4	.601	6	.542	9
832	1012	160-01	27.4	-4.96	-21.51	0.00	0.00	215.52	23.4	23.4	.902	9	.868	6
833	1012	200-01	0.0	-5.78	-1.80	0.00	0.00	1.12	64.9	42.5	.279	7	.280	6
834	1004	210-01	0.0	-5.46	-3.82	0.00	0.00	-1.30	84.9	42.5	.334	7	.213	6
835	1003	200-01	30.3	-8.90	-2.77	0.00	0.00	1.51	84.9	42.5	.427	6	.343	9
836	1004	140-01	0.0	0.0	4.87	0.00	0.00	1.13	60.4	60.4	.149	8	.143	7
837	1005	140-01	0.0	0.0	-4.44	0.00	0.00	1.29	60.4	60.4	.154	6	.143	9
838	1005	140-01	0.0	-4.99	-3.79	0.00	0.00	-2.71	84.9	42.5	.462	6	.423	9
839	1004	140-01	0.0	-7.2	-2.57	0.00	0.00	.41	60.4	60.4	.105	6	.091	9
840	1006	200-01	30.3	-10.32	-3.59	0.00	0.00	1.10	84.9	42.4	.584	6	.472	9
841	1006	200-01	30.3	-4.97	-3.47	0.00	0.00	1.94	84.9	42.4	.596	6	.459	9

6.05

By AKG Client U.S. NAVY Subject DESIGN OF 93' MLL STRUCTURE  
Date 2-3-26 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.

6.07

STRAY MEMBER STRESS REPORT NO. 1

PAGE 1 DATE 08/27/76

U.S. NAVY - ACIN PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 TH STRM

MEMBER NO.	MEMBER ID	MAXIMUM CUMULATED STRESS	COMPONENT VALUES	LOAD DISPLACEMENT	FORCE	TORSION	MEMBER MOMENT	CUMULATED MOMENT	IN-RIPS	IN-RIPS	CUMULATED LD	LD
			X AXIS	Y AXIS	Z AXIS	FROM	TO	IN-RIPS	IN-RIPS	IN-RIPS	UNIT	UNIT
100	1 2 100-01	1.50	127	1304	7	0.0	-5.72	.01	357.07	93.47	.428	8
100	1 3 100-01	1.55	153	267	8	0.0	-6.75	-.01	451.92	-82.17	.416	6
100	1 4 100-01	1.74	194	1019	9	15.0	-24.22	-120.68	694.11	-1090.07	.049	8
100	1 5 100-01	1.63	149	205	7	14.5	-5.37	-.02	419.90	63.14	.323	9
100	1 6 100-01	1.70	170	306	7	14.5	-.96	-.00	-2.57	9.75	.035	6
100	1 7 100-01	1.41	115	120	8	10.7	1.19	-.00	-9.57	3.25	.040	7
100	1 8 100-01	1.62	176	176	7	0.0	-2.46	-.01	495.18	-54.96	.258	9
100	1 9 100-01	1.69	161	1049	9	15.0	-23.22	97.63	1004.15	1244.26	.048	8
100	1 10 100-01	1.44	104	307	7	0.0	1.48	.01	2.89	-5.46	.044	6
100	1 11 100-01	1.16	120	142	8	14.5	-6.20	.04	337.94	-43.88	.259	6
100	1 12 100-01	1.16	116	116	8	14.5	-6.40	.02	495.20	-32.68	.262	9
100	1 13 100-01	1.67	169	109	7	15.0	-16.47	14.01	-2554.54	921.90	.111	6
100	1 14 100-01	1.65	149	324	7	0.0	24.50	.05	554.44	94.87	.582	6
100	1 15 100-01	1.63	163	256	7	0.0	-75.02	-.01	665.85	93.06	.664	6
100	1 16 100-01	1.27	127	308	7	15.0	-110.74	-.01	12024.31	-1157.74	.552	9
100	1 17 100-01	1.21	121	507	7	32.6	4.80	3.56	697.16	-1428.37	.549	6
100	1 18 100-01	1.63	163	224	7	14.5	24.51	-.05	616.53	70.68	.445	9
100	1 19 100-01	1.74	174	304	7	14.5	-.86	-.00	-2.59	10.08	.056	6
100	1 20 100-01	1.77	177	307	7	14.5	-.78	-.00	-6.57	-6.57	.047	6
100	1 21 100-01	1.64	164	309	7	0.0	34.50	-.03	1750.43	-106.25	.524	6
100	1 22 100-01	1.54	154	306	8	15.0	-135.66	389.45	-11314.11	-359.93	.609	7
100	1 23 100-01	1.54	154	106	9	32.6	125.24	20.90	655.04	-574.18	.800	7
100	1 24 100-01	1.63	163	105	8	14.5	-1.13	-.00	3.54	7.65	.048	7
100	1 25 100-01	1.16	116	178	8	14.5	54.06	.05	628.91	-54.92	.449	6
100	1 26 100-01	1.58	158	153	8	14.5	-44.52	.01	1708.58	-74.65	.449	9
100	1 27 100-01	1.21	121	298	8	32.6	-113.99	-25.56	582.73	-679.65	.508	9
100	1 28 100-01	1.63	163	309	7	15.0	-141.17	334.07	13490.79	-1551.35	.642	9
100	1 29 100-01	1.13	113	511	6	24.0	-49.35	10.70	145.42	-927.05	.616	8
100	1 30 100-01	1.25	125	254	7	24.0	-109.36	-9.93	684.82	-639.53	.750	6
100	1 31 100-01	1.67	167	315	7	20.5	-33.40	-1099.63	-13628.84	2051.99	.695	9
100	1 32 100-01	1.15	115	241	7	24.0	13.46	-20.29	548.72	606.08	.570	8
100	1 33 100-01	1.54	154	728	8	20.5	-136.76	-835.18	14747.78	1011.46	.702	6
100	1 34 100-01	1.64	164	904	8	20.5	-216.66	501.75	-18344.69	2241.16	.858	9
100	1 35 100-01	1.63	163	302	9	4.6	1211.08	-520.38	-6099.77	-21037.42	.724	7
100	1 36 100-01	1.75	175	304	9	0.0	-1359.40	-701.26	10124.50	453.40	.285	7
100	1 37 100-01	1.11	111	246	8	4.6	163.77	710.69	-10013.77	14905.93	.767	6
100	1 38 100-01	1.54	154	340	8	4.6	-214.56	644.65	-4826.20	970.15	.429	9
100	1 39 100-01	1.57	157	312	7	4.6	2341.46	248.93	-14231.65	2975.04	.819	9
100	1 40 100-01	1.49	149	300	7	0.0	-2576.17	373.66	-13406.01	-196.24	.545	9
100	1 41 100-01	1.55	155	325	9	15.1	-177.17	228.27	-202.57	565.75	.347	6
100	1 42 100-01	1.25	125	308	9	0.0	299.41	103.33	1266.78	-547.17	.720	7
100	1 43 100-01	1.24	124	303	7	0.0	-1034.72	209.63	6525.52	20185.75	.672	9
100	1 44 100-01	1.05	105	140	6	0.0	284.86	-205.95	405.90	-1048.46	.487	8
100	1 45 100-01	1.21	121	110	9	0.0	-141.64	-176.11	-211.93	481.45	.300	7
100	1 46 100-01	1.53	153	304	8	0.0	-6.91	-100.75	134.24	135.82	.114	6
100	1 47 100-01	1.54	154	304	8	0.0	-26.95	-55.39	-142.59	-223.55	.210	8
100	1 48 100-01	1.53	153	307	8	0.0	-21.90	-27.40	1149.06	-172.00	.508	9
100	1 49 100-01	1.54	154	308	8	0.0	1475.24	341.07	-4356.67	13430.28	.622	7

STRAIN MEMBER STRESS REPORT NO. 1

PAGE 2  
DATE 08/27/76

U.S. NAVY - AIR PLATFORM - PLATFORM NO. 2 - HALL 93.0 FEET - 50 YR STRONG

MEMBER NO.	MEMBER ID	MAXIMUM COMBINED		UNITY CHECK		COMPLEMENT VALUES		LOAD COND		DIST FROM		FORCE		TORSION		MEMBER ACTIONS		MOMENT		COMBINED LD	
		UNITY CK	LD	AXIAL	T-AXIS	Z-AXIS	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
505	645	21001	.658	.555	.322	.001	8	0.0	522.99	11.11	1822.50	117.91	.610	9	.745	7					
506	645	18501	.196	.052	.042	.102	9	15.1	-263.00	-1.05	-159.55	217.53	.193	7	.156	6					
507	645	18501	.752	.369	.555	.007	7	15.1	-537.34	74.21	1267.36	180.76	.653	9	.614	6					
508	645	18501	.544	.176	.314	.054	6	15.1	152.77	-53.99	1199.55	495.22	.526	8	.490	7					
509	645	18501	.701	.340	.198	.013	7	0.0	2011.58	426.50	-10275.59	2611.41	.610	9	.648	8					
510	645	18501	.754	.354	.259	.100	7	0.0	562.51	40.50	1607.93	1036.73	.610	9	.648	6					
511	711	11501	.521	.215	.077	.055	9	0.0	-1354.21	-678.67	-5240.25	4073.52	.215	7	.195	6					
512	711	11501	.473	.354	.113	.002	8	0.0	-2144.37	599.53	-8819.22	1026.21	.429	6	.336	9					
513	712	11501	.593	.408	.177	.000	7	0.0	-2580.96	395.54	-11968.39	-149.77	.534	9	.440	6					
514	645	18501	.505	.277	.024	.204	9	0.0	1136.94	-712.44	-3705.25	-1048.97	.570	7	.531	8					
515	645	18501	.565	.359	.051	.119	8	0.0	1457.74	656.79	-4693.97	7145.57	.571	6	.432	9					
516	645	18501	.604	.464	.115	.005	7	0.0	2009.20	431.17	-3856.65	1307.54	.549	9	.529	8					
517	645	18501	.583	.274	.019	.049	9	0.0	1154.94	-712.44	-2197.22	-4963.49	.376	7	.147	8					
518	713	11501	.511	.242	.021	.248	6	21.9	-204.96	-205.03	419.14	-1457.45	.493	8	.256	7					
519	645	18501	.409	.354	.017	.038	8	0.0	1455.23	666.79	-1514.65	2243.26	.392	6	.290	9					
520	711	11501	.654	.549	.000	.109	9	21.9	-551.81	-643.70	-36.52	675.86	.641	7	.546	8					
521	712	11501	.593	.551	.002	.150	7	21.9	-554.15	116.63	-99.56	811.84	.654	9	.631	8					
522	645	18501	.543	.464	.054	.000	7	0.0	2008.39	431.03	-2721.09	45.08	.522	9	.479	6					
523	713	11501	.515	.269	.021	.006	9	0.0	1166.11	-1377.00	-1175.51	-612.95	.293	7	.150	8					
524	713	11501	.443	.563	.021	.059	6	7.1	-1492.42	-672.58	-2035.93	3440.95	.441	8	.270	7					
525	713	11501	.543	.407	.007	.049	7	7.1	2001.98	430.49	973.79	-2651.33	.525	9	.457	6					
526	712	11501	.454	.225	.016	.196	8	18.8	-66.11	20.39	-86.24	317.53	.398	6	.342	9					
527	714	11501	.509	.290	.014	.220	6	18.8	-563.03	-19.75	-80.05	-314.67	.395	8	.200	7					
528	713	11501	.745	.544	.152	.044	7	0.0	588.34	-404.45	1129.59	2730.05	.376	7	.207	6					
529	713	11501	.745	.263	.055	.053	8	18.8	-763.94	-25.67	149.34	-440.04	.655	9	.610	6					
530	713	11501	.156	.050	.000	.168	7	0.0	-14.85	100.34	1.03	127.72	.399	9	.324	7					
531	713	11501	.211	.050	.000	.160	6	0.0	-14.81	6.56	-2.23	-151.64	.203	8	.123	7					
532	713	11501	.270	.077	.017	.176	7	18.8	-22.85	13.61	-80.00	254.97	.258	9	.147	8					
533	645	18501	.754	.594	.310	.029	6	0.0	-200.22	6.53	-530.47	1636.84	.554	8	.267	7					
534	713	11501	.222	.057	.000	.164	9	0.0	1214.43	-248.09	2797.15	-2691.72	.752	6	.584	9					
535	713	11501	.243	.164	.063	.061	6	18.8	-16.71	1.67	5.20	-153.31	.219	7	.215	6					
536	713	11501	.267	.140	.107	.040	7	18.8	-44.19	26.27	130.76	-135.30	.255	7	.230	8					
537	645	18501	.742	.544	.150	.164	9	0.0	-440.36	-20.06	173.49	166.66	.262	6	.176	8					
538	645	18501	.421	.609	.114	.019	7	6.6	1396.82	.41	-926.65	-1240.12	.825	8	.716	7					
539	645	18501	.240	.201	.034	.012	9	26.4	-1374.98	-200.69	3058.38	-1240.12	.802	9	.667	6					
540	645	18501	.405	.322	.077	.006	8	26.4	-2194.94	-679.36	3513.94	-2076.55	.183	7	.090	8					
541	645	18501	.475	.385	.092	.000	7	26.4	-2016.85	-568.26	6941.82	1915.82	.351	6	.241	9					
542	645	18501	.400	.213	.018	.169	9	22.5	-54.12	-247.76	4021.15	-113.32	.412	9	.400	6					
543	645	18501	.174	.252	.012	.210	6	22.5	-64.10	27.30	-84.09	274.73	.319	8	.316	7					
544	645	18501	.357	.268	.012	.004	9	6.6	571.36	-30.46	-71.92	-330.92	.393	7	.159	8					
545	645	18501	.592	.268	.001	.245	8	55.9	-224.86	251.60	762.98	1727.68	.350	7	.159	8					
546	645	18501	.396	.213	.017	.166	9	0.0	-54.33	-35.16	-76.55	1605.45	.501	6	.250	9					
547	645	18501	.120	.020	.012	.088	9	0.0	6.89	-8.85	33.13	269.21	.311	7	.251	8					
548	645	18501	.219	.045	.000	.174	6	0.0	-12.54	-6.75	33.13	269.21	.117	7	.051	9					
549	645	18501	.351	.165	.154	.012	4	0.0	-47.04	-8.85	-2.16	-144.50	.211	8	.129	7					
550	645	18501	.343	.345	.006	.095	8	27.4	695.89	7.15	219.77	65.40	.252	9	.222	7					
551	645	18501	.443	.345	.006	.095	8	27.4	695.89	-156.02	-580.54	2434.02	.441	6	.293	9					

6.08

STRAN MEMBER STRESS REPORT NO. 1

U.S. NAVY - 204 PLATFOMS - PLATFOM NO. 2 - "AL 93.0 FEET - 50 YR STURM"

MEMBER NO.	GROUP NO.	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES				LOAD COND. NO.	DIST FROM END (FT)	FORCE FX KIPS	CONTROLLING MEMBER ACTIONS		MOMENT MY IN-KIPS	TORSION TX IN-KIPS	/NEXT TWO HIGH CASES-/ COMBINED LD COMBINED LD	
			AXIAL	Y-AXIS	Z-AXIS	FA				IN-KIPS	IN-KIPS			UNITY CK	UNITY CK
103	4 5	20901	.600	.277	.002	6	0.0	-471.09	27.99	-1139.45	-193.86	.776	7	.685	8
104	0 5	14901	.260	.000	.170	9	22.5	-15.09	-2.56	.15	160.24	.210	7	.200	6
105	0 5	14901	.445	.271	.034	7	22.5	-69.07	16.49	195.85	-108.64	.425	6	.301	8
106	0 5	14901	.267	.124	.048	6	22.5	36.52	-10.98	201.47	123.10	.226	8	.176	7
107	4 1	20901	.647	.164	.134	9	0.0	-429.01	-1.82	-972.51	-849.67	.657	7	.606	8
108	4 5	14901	.527	.056	.007	7	15.7	921.23	320.00	1723.29	565.69	.523	9	.494	6
109	9 10	20901	.274	.145	.054	9	27.4	-1395.17	531.13	-3654.02	-5334.07	.218	7	.151	8
110	9 11	20901	.447	.114	.006	8	27.4	-2220.20	-655.86	-10514.08	2373.74	.394	6	.319	9
111	9 12	20901	.508	.121	.000	7	27.4	-2037.24	628.50	-10500.05	-78.54	.442	9	.429	6
112	4 2	14901	.474	.005	.130	6	26.4	-1104.75	-4.00	-56.15	-321.48	.324	8	.282	7
113	4 3	14901	.515	.008	.129	7	26.4	-124.94	-17.19	-63.55	-304.55	.367	9	.356	6
114	1 1	14901	.644	.002	.005	6	0.0	5.10	67.75	-841.98	226.24	.098	9	.045	7
115	1 2	14901	.752	.005	.094	4	37.8	-257.50	73.13	-76.53	330.76	.341	6	.121	7
116	1 3	14901	.755	.003	.009	7	37.8	-432.52	-25.92	-301.40	-91.39	.593	9	.478	6
117	9 3	14901	.431	.313	.001	6	26.4	-107.67	20.57	-23.22	-278.68	.299	8	.247	7
118	9 4	14901	.110	.017	.012	9	0.0	5.80	-10.21	31.85	-82.05	.106	7	.055	8
119	4 5	14901	.243	.045	.101	6	0.0	-11.94	-6.21	-12.59	-188.44	.230	8	.142	7
120	1 6	14901	.504	.052	.009	6	0.0	164.12	9.21	263.72	-8.07	.630	9	.572	7
121	1 5	14901	.163	.022	.116	8	0.0	-245.41	-22.12	-112.86	489.86	.413	8	.112	7
122	9 5	14901	.314	.141	.000	6	0.0	104.77	-659.14	92.47	2849.64	.160	6	.160	9
123	9 5	14901	.232	.049	.000	6	0.0	-480.86	2.84	-506.00	-172.64	.812	7	.700	8
124	4 5	14901	.579	.016	.150	7	26.4	-145.46	.19	-5.76	172.64	.224	7	.202	6
125	4 6	14901	.534	.027	.082	9	26.4	-145.46	25.14	249.58	-43.99	.327	6	.247	9
126	1 4	14901	.744	.024	.129	9	0.0	-146.09	4.59	-91.05	-204.56	.518	8	.401	6
127	1 5	14901	.434	.119	.005	4	37.8	-476.37	21.03	-411.29	-204.63	.639	7	.461	4
128	1 10	14901	.144	.055	.009	9	0.0	-107.20	102.98	-694.87	53.89	.768	9	.674	6
129	1 11	14901	.555	.167	.027	9	27.4	-1416.24	997.19	30912.51	-2088.81	.142	7	.109	6
130	1 12	14901	.250	.264	.002	8	27.4	-2242.84	-2064.18	51260.09	-8716.77	.491	7	.177	8
131	1 13	14901	.445	.061	.000	7	27.4	-2655.87	146.28	54045.00	3066.35	.801	6	.542	9
132	1 14	20901	.541	.274	.009	9	0.0	-219.78	-27.78	119.29	-30.12	.902	9	.808	6
133	1 15	20901	.541	.070	.044	9	0.0	-207.87	-45.80	490.55	-259.65	.279	7	.210	6
134	1 16	20901	.559	.052	.061	8	30.5	-356.72	66.94	567.83	-421.81	.334	7	.213	6
135	1 17	14901	.150	.002	.111	6	0.0	1.11	30.44	-215.09	332.32	.427	6	.363	9
136	1 18	14901	.158	.017	.141	0.0	0.0	-6.54	-23.24	-236.59	-124.98	.149	8	.133	7
137	1 19	14901	.604	.055	.004	8	0.0	-340.56	20.74	665.43	1.67	.154	6	.143	9
138	1 20	14901	.115	.051	.062	8	0.0	-11.80	23.50	-119.71	-125.61	.462	6	.423	9
139	1 21	20901	.674	.154	.011	7	30.5	-592.75	27.52	609.24	-202.57	.584	6	.472	9
140	1 22	20901	.652	.506	.145	.001	7	30.5	-574.17	616.05	59.08	.596	6	.459	9

CREST OFFSHORE, INC.

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Sheet \_\_\_ of \_\_\_

By ADG Client U.S. NAVY Subject DESIGN OF 93' MW STRUCTURE  
Date 9-3-76 Job No. 27-771-25 Calculation SPACE FRAME ANALYSIS

6.4 JOINT DEFLECTIONS AND ROTATIONS

STRAN - JOINT DEFLECTIONS AND ROTATIONS

U.S. NAVY - ACM PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YK STORM

REMARKS

DEFLECTION IN INCHES / ROTATION IN RADIANS

	A	Z	X	Y	Z	Y	Z
501	3.24241	7.61371	0.0095	-0.0057	0.0209		
502	3.24356	7.60807	0.0080	-0.0032	0.0599		
503	3.24466	7.60521	0.0105	-0.0021	0.0682		
504	3.24576	7.60298	0.0116	-0.0004	0.0607		
505	3.24684	7.60149	0.0090	-0.0016	0.0519		
506	3.24796	7.59973	0.0092	-0.0008	0.0430		
507	3.24914	7.59774	0.0102	-0.0034	0.0195		
508	3.25037	7.59547	0.0054	-0.0033	0.0592		
509	3.25165	7.59292	0.0108	-0.0037	0.0687		
510	3.25297	7.59011	0.0100	-0.0008	0.0589		
511	3.25431	7.58700	0.0072	-0.0029	0.0481		
512	3.25567	7.58356	0.0134	-0.0071	0.0643		
513	3.25707	7.57975	0.0160	-0.0018	0.0176		
514	3.25849	7.57557	0.0224	-0.0026	0.0718		
515	3.25994	7.57103	0.0211	-0.0048	0.0635		
516	3.26141	7.56614	0.0359	-0.0103	0.0339		
517	3.26290	7.56090	0.0216	-0.0068	0.0521		
518	3.26440	7.55531	0.0207	-0.0002	0.0548		
519	3.26591	7.54938	0.0249	-0.0036	0.0359		
520	3.26742	7.54311	0.0250	-0.0071	0.0579		
521	3.26894	7.53650	0.0145	-0.0074	0.0514		
522	3.27047	7.52954	0.0104	-0.0094	0.0524		
523	3.27201	7.52224	0.0108	-0.0084	0.0515		
524	3.27356	7.51460	0.0101	-0.0052	0.0546		
525	3.27511	7.50663	0.0249	-0.0055	0.0357		
526	3.27667	7.49834	0.0145	-0.0074	0.0514		
527	3.27823	7.48973	0.0101	-0.0052	0.0545		
528	3.27980	7.48080	0.0392	-0.0142	0.0328		
529	3.28137	7.47154	0.0192	-0.0042	0.0522		
530	3.28294	7.46194	0.0127	-0.0063	0.0547		
531	3.28451	7.45200	0.0127	-0.0004	0.0419		
532	3.28608	7.44173	0.0116	-0.0158	0.0487		
533	3.28765	7.43114	0.0133	-0.0017	0.0376		
534	3.28922	7.42024	0.0066	-0.0065	0.0505		
535	3.29079	7.40903	0.0118	-0.0042	0.0541		
536	3.29236	7.39750	0.0035	-0.0013	0.0421		
537	3.29393	7.38564	0.0545	-0.0032	0.0524		
538	3.29550	7.37344	0.0024	-0.0032	0.0650		
539	3.29707	7.36090	0.0070	-0.0005	0.0377		
540	3.29864	7.34811	0.0107	-0.0012	0.0456		
541	3.29921	7.33503	0.0030	-0.0061	0.0504		
542	3.30078	7.32166	0.0062	-0.0055	0.0529		
543	3.30235	7.30800	0.0040	-0.0037	0.0507		
544	3.30392	7.29405	0.0094	-0.0037	0.0537		
545	3.30549	7.27980	0.0047	-0.0011	0.0370		
546	3.30706	7.26524	0.0029	-0.0060	0.0507		
547	3.30863	7.25037	0.0085	-0.0035	0.0533		
548	3.31020	7.23519	0.0085	-0.0035	0.0533		

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STRAIN - JOINT DEFLECTIONS AND ROTATIONS

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U.S. NAVY - ACMA PLATFORMS - PLATFORM NO. 2 - PAL 93.0 FEET - 50 YR STORM

JOINT DEFLECTION IN INCHES / ROTATION IN RADIANS / REMARKS

JOINT	A	X	Y	Z	X	Y	Z	REMARKS
602	3.25581	7.00267	.25415	.00484	.0039	.00509	.00278	
603	3.50120	3.84163	.11768	.00943	.00776	.00349	.00507	
701	3.26749	5.00349	.65500	.00044	.00320	.00408	.00214	
702	3.25731	4.45042	.17245	.00045	.00020	.00486	.00492	
703	3.21745	3.74494	.05494	.00054	.00061	.00517	.00514	
704	3.20383	3.40485	.15356	.00019	.00017	.00495	.00524	
705	2.29700	4.27400	.16564	.00041	.00019	.00545	.00278	
706	3.51440	4.13354	.18619	.00085	.00224	.00524	.00497	
707	3.53260	4.17435	.05501	.00044	.00024	.00344	.00507	
708	3.20200	3.64297	.65590	.00054	.00061	.00514	.00524	
709	3.14422	4.11432	.12434	.00065	.00024	.00524	.00507	
710	3.07402	4.03474	.06442	.00517	.00240	.00261	.00524	
711	3.50415	3.62102	.25295	.00133	.00024	.00524	.00507	
712	3.25495	4.76753	.17613	.00096	.00064	.00533	.00507	
801	3.14013	5.77591	.07611	.00191	.00115	.00278	.00507	
802	3.13761	4.00442	.05016	.00175	.00025	.00497	.00507	
803	3.12443	3.15410	.20563	.00239	.00094	.00507	.00507	
804	1.44020	5.06400	.32634	.00052	.00044	.00473	.00507	
805	1.44005	3.72404	.25523	.00029	.00036	.00524	.00507	
806	1.40524	4.50004	.35101	.00195	.00010	.00524	.00507	
807	3.10524	5.44000	.07925	.00191	.00115	.00278	.00507	
808	3.10412	2.93449	.25342	.00239	.00094	.00507	.00507	
809	1.70353	4.36460	.05760	.00195	.00080	.00524	.00507	
810	3.20424	2.71402	.05320	.00544	.00324	.00214	.00507	
811	1.0110	4.24611	.28240	.00164	.00160	.00492	.00507	
812	2.70101	3.44611	.19491	.00211	.00050	.00514	.00507	
813	2.70101	5.15407	.06122	.00254	.00127	.00249	.00507	
814	2.70101	3.10044	.10044	.00210	.00050	.00482	.00507	
815	2.70400	1.42074	.44594	.00264	.00157	.00482	.00507	
816	1.44403	4.36474	.42507	.00130	.00112	.00464	.00507	
817	1.40463	2.33549	.17227	.00074	.00064	.00554	.00507	
818	2.20344	3.25334	.41244	.00264	.00147	.00464	.00507	
819	2.70400	5.21901	.05944	.00236	.00127	.00249	.00507	
820	2.70400	1.43406	.50407	.00269	.00147	.00478	.00507	
821	1.51176	3.64870	.05211	.00269	.00147	.00467	.00507	
822	1.77116	1.80502	.00039	.00471	.00205	.00205	.00507	
823	2.72009	1.97433	.25401	.00114	.00149	.00453	.00507	
824	3.4052	3.52706	.17083	.00193	.00024	.00448	.00507	
825	2.52002	4.57032	.04699	.00212	.00082	.00250	.00507	
826	2.51724	2.81611	.19717	.00206	.00089	.00558	.00507	
827	2.54400	4.04452	.01114	.00214	.00187	.00407	.00507	
828	3.44550	3.04522	.44002	.00237	.00221	.00543	.00507	
829	3.0651	1.42139	.00460	.00133	.00116	.00495	.00507	
830	2.55265	2.07524	.03472	.00305	.00197	.00417	.00507	
831	2.55265	4.62446	.03472	.00211	.00082	.00240	.00507	
832	2.44600	4.0744	.67611	.00214	.00167	.00402	.00507	
833	2.2401	2.07745	.06200	.00304	.00194	.00413	.00507	
834	3.50404	3.10514	.02436	.00041	.00294	.00272	.00507	
835	1.60407	.04152	.04152	.00514	.00133	.00219	.00507	

UHLIQUE  
GLOBAL



STRAIN - JOINT DEFLECTIONS AND ROTATIONS

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U.S. NAVY - ACRH PLATFORMS - PLATFORM NO. 2 - PAL 93.0 FEET - 50 YK STORM

LEAD CONDITION NO. 6  
/-----DEFLECTION IN INCHES-----/ /-----ROTATION IN RADIANS-----/ /-----REMARKS-----/

JOINT NUMBER	X	Y	Z	A	Y	Z	UPLIQUE GLOBAL	UPLIQUE GLOBAL
1-11	.10289	-2.40906	.25213	.00587	.00051	.00378	UPLIQUE	GLOBAL
1-11	2.04275	1.24751	-.14757	-.00283	.00515	.00381	UPLIQUE	GLOBAL
1-12	.12490	2.34345	-.32442	-.00420	.00054	.00372	UPLIQUE	GLOBAL
1-12	.12490	2.51355	.09000	-.00620	-.00004	.00376	UPLIQUE	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 7 U.S. NAVY - ADMN PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YK STORM

REMARKS

DEFLECTION IN INCHES / ROTATION IN RADIANS

JOINT NUMBER	X	Z	X	Y	Z
101	.16908	5.20119	.14266	.00104	-.00019
102	.16928	7.92055	-.26973	.00009	.00183
103	.17078	7.65649	.16773	.00117	.00389
104	.07468	8.06106	-.09761	.00124	.00232
105	-.07014	7.77706	.10732	.00093	.00123
107	.52209	7.91507	.10790	.00094	.00130
201	.16263	8.40350	.19125	.00120	-.00213
202	.17131	8.11759	-.27748	.00084	.00174
203	.16038	7.86015	-.16522	.00125	.00394
204	.04353	8.24066	-.14114	.00105	.00210
205	-.04510	7.99191	-.16193	.00073	.00075
206	-.22375	8.10532	.10490	.00147	.00129
301	.16828	8.39559	-.16471	.00255	-.00204
303	.16863	7.89379	.16592	-.00235	.00446
304	.16340	8.12968	.11840	.00271	.00102
401	.17088	8.37779	-.18212	.00305	-.00035
403	.04150	8.07229	-.16378	.00332	.00177
406	.03374	8.07405	.14645	.00247	.00054
501	.17498	8.34507	-.15563	.00284	-.00021
502	.14727	8.00107	.13110	.00081	.00093
503	.11659	8.46239	-.13900	.00228	.00161
504	.05546	8.03069	-.09457	.00143	.00067
505	.04404	8.93625	-.00020	.00146	.00023
506	.04417	8.96331	.04576	.00141	.00056
507	.17258	8.20230	-.12643	.00294	-.00021
508	.13753	8.53463	-.11619	.00226	.00161
509	.03147	8.97138	.05058	.00141	.00056
510	.16773	8.16414	-.17829	.00367	-.00042
511	.13501	8.43322	.16307	.00333	.00182
512	.04601	8.95609	.14830	.00194	.00054
513	.17235	8.23023	-.08462	.00206	.00030
514	.14134	8.46404	.08473	.00132	.00109
501	.16065	8.03429	-.12464	.00173	-.00005
503	.13432	8.72801	.11649	.00115	.00144
506	.02779	8.65204	.04183	.00137	.00055
511	.16781	8.05572	-.03934	.00093	.00092
512	.02709	7.51471	-.25200	.00579	.00078
513	.01044	8.70946	.07336	.00025	.00232
501	.15067	8.93505	-.04724	.00112	-.00001
503	.13743	8.12693	.12715	.00137	.00014
504	.14928	8.99994	-.04719	.00057	.00140
505	.06108	8.43304	-.03400	.00029	.00072
506	-.00941	8.77138	-.04267	.00004	.00080
501	.17494	8.00674	-.07146	.00089	-.00004
503	.15007	8.60777	-.07422	.00044	.00144
506	-.03947	8.70339	.05480	.00049	.00048
501	.16476	8.66450	-.03496	.00065	-.00158

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STRAIN - JOINT DEFLECTIONS AND ROTATIONS

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

CHART POSITION NO. 7

JOINT NUMBER /-----DEFLECTION IN INCHES-----/ /-----ROTATION IN RADIANS-----/ /-----REMARKS-----/

JOINT NUMBER	A	Y	Z	X	Y	Z	X	REMARKS
602	6.1200	-.23205	-.00467	-.00002	-.00063	-.00297	-.00017	
603	5.60952	-.07390	-.00021	-.00019	-.00297	-.00017	-.00017	
701	5.74355	-.04110	-.00086	-.00014	-.00050	-.00050	-.00050	
702	5.60006	-.16584	-.00050	-.00014	-.00014	-.00160	-.00021	
703	5.54003	-.05809	-.00025	-.00019	-.00019	-.00095	-.00095	
704	5.71418	-.17301	-.00035	-.00014	-.00014	-.00041	-.00041	
705	5.50091	-.15999	-.00055	-.00014	-.00014	-.00154	-.00154	
706	5.60079	-.10935	-.00102	-.00066	-.00066	-.00043	-.00043	
707	5.79415	-.02792	-.00000	-.00017	-.00017	-.00074	-.00074	
708	5.51307	-.04599	-.00000	-.00017	-.00017	-.00042	-.00042	
709	5.62999	-.13803	-.00102	-.00041	-.00041	-.00072	-.00072	
710	4.95132	-.16800	-.00411	-.00165	-.00165	-.00065	-.00065	
711	4.95172	-.18205	-.00364	-.00150	-.00150	-.00189	-.00189	
712	5.57504	-.20893	-.00116	-.00001	-.00001	-.00011	-.00011	
701	5.31945	-.06391	-.00220	-.00002	-.00002	-.00049	-.00049	
702	5.12501	-.02152	-.00190	-.00005	-.00005	-.00069	-.00069	
703	4.96329	-.11804	-.00259	-.00007	-.00007	-.00084	-.00084	
704	5.19105	-.27240	-.00448	-.00019	-.00019	-.00103	-.00103	
705	5.03996	-.24411	-.00084	-.00019	-.00019	-.00122	-.00122	
706	5.00050	-.41727	-.00240	-.00049	-.00049	-.00044	-.00044	
707	5.31354	-.10942	-.00221	-.00002	-.00002	-.00068	-.00068	
708	4.93451	-.15002	-.00259	-.00007	-.00007	-.00086	-.00086	
709	5.09700	-.47654	-.00240	-.00029	-.00029	-.00184	-.00184	
710	3.50755	-.16646	-.00426	-.00114	-.00114	-.00022	-.00022	
711	3.40509	-.10484	-.00404	-.00059	-.00059	-.00154	-.00154	
712	4.90275	-.22525	-.00260	-.00005	-.00005	-.00068	-.00068	
701	4.01405	-.25797	-.00302	-.00007	-.00007	-.00086	-.00086	
702	4.19054	-.15427	-.00244	-.00001	-.00001	-.00086	-.00086	
703	3.99201	-.26065	-.00300	-.00026	-.00026	-.00184	-.00184	
704	4.20606	-.55094	-.00131	-.00036	-.00036	-.00002	-.00002	
705	4.09379	-.51637	-.00126	-.00025	-.00025	-.00061	-.00061	
706	4.10009	-.71834	-.00319	-.00010	-.00010	-.00029	-.00029	
707	4.41522	-.27451	-.00303	-.00006	-.00006	-.00067	-.00067	
708	3.66776	-.30081	-.00300	-.00026	-.00026	-.00182	-.00182	
709	4.14752	-.40101	-.00314	-.00010	-.00010	-.00030	-.00030	
710	2.22554	-.16324	-.00359	-.00062	-.00062	-.00081	-.00081	
711	2.00274	-.14720	-.00316	-.00049	-.00049	-.00197	-.00197	
712	4.05601	-.19096	-.00230	-.00004	-.00004	-.00030	-.00030	
1001	3.30003	-.34830	-.00315	-.00043	-.00043	-.00044	-.00044	
1002	3.23747	-.50540	-.00336	-.00004	-.00004	-.00064	-.00064	
1003	2.90024	-.30159	-.00240	-.00045	-.00045	-.00133	-.00133	
1004	3.52701	-.35075	-.00244	-.00103	-.00103	-.00065	-.00065	
1005	3.13000	-.17795	-.00207	-.00055	-.00055	-.00025	-.00025	
1006	3.07927	-.92039	-.00345	-.00073	-.00073	-.00040	-.00040	
1007	3.30094	-.39521	-.00315	-.00043	-.00043	-.00046	-.00046	
1008	2.95911	-.40011	-.00240	-.00045	-.00045	-.00134	-.00134	
1009	3.06184	-.10045	-.00345	-.00073	-.00073	-.00039	-.00039	
1010	3.40050	-.13502	-.00307	-.00225	-.00225	-.00066	-.00066	
1011	1.00553	-.004715	-.00307	-.00223	-.00223	-.00043	-.00043	

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URLIQUE  
GLUMAL

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STRAIN - JOINT DEFLECTIONS AND ROTATIONS

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U.S. NAVY - ACAR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YR STURM

LEAD CONDITION NO. 7 /-----DEFLECTION IN INCHES-----/ /-----ROTATION IN RADIANS-----/ /-----REMARKS-----/

JOINT NUMBER	A	Z	Y	X	Y	Z	UMLIQUE GLOBAL
1011	.57479	-1.46275	.14426	.00366	.00184	.00102	UMLIQUE
1011	1.09159	1.75131	.09437	-.00326	.00235	.00131	GLOBAL
1012	.00010	2.88411	-.37729	-.00706	.00000	.00027	UMLIQUE
1012	.00010	2.89210	.09952	-.00706	-.00004	.00026	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YK STURM

MEMARKS

DEFLECTION IN INCHES / ROTATION IN RADIAN

JOINT / X Y Z / X Y Z

101	-5.10400	-7.55309	-0.5829	-0.0101	0.0035	-0.0045
102	-5.10228	-6.59806	-0.5150	-0.0117	0.0029	-0.00405
103	-5.09990	-6.05952	-0.6584	-0.0106	0.0028	-0.00480
104	-2.55059	-7.01605	-2.2923	-0.0090	0.0025	-0.00394
105	-2.54405	-6.37765	-1.5554	-0.0063	0.0031	-0.00317
106	-1.49670	-6.69374	-2.4391	-0.0077	0.0087	-0.00515
201	-5.17507	-7.51110	-0.5800	-0.0105	0.0020	-0.00032
202	-5.10213	-6.47400	-0.9571	-0.0112	0.0027	-0.00397
203	-5.15200	-6.25334	-0.6727	-0.0125	0.0032	-0.00484
204	-2.05519	-7.17402	-2.4545	-0.0067	0.0009	-0.00377
205	-2.53423	-6.50706	-2.1709	-0.0084	0.0029	-0.00275
301	-2.13790	-6.40544	-2.4204	-0.0104	0.0060	-0.00521
302	-5.14476	-7.53559	-0.5352	-0.0171	0.0014	0.00004
303	-5.23167	-6.24323	-0.7026	-0.0235	0.0033	-0.00516
304	-2.27713	-6.49504	-2.4049	-0.0226	0.0018	-0.00505
401	-5.13404	-6.49476	-0.5302	-0.0351	-0.0049	-0.00214
403	-5.12435	-6.47206	-0.9423	-0.0234	-0.0058	-0.00387
404	-2.12915	-6.10324	-2.4344	-0.0223	-0.0037	-0.00426
501	-5.10702	-6.45359	-0.4587	-0.0246	-0.0035	-0.00234
502	-5.11174	-6.49572	-0.5021	-0.0044	-0.0035	-0.00441
503	-5.11127	-6.53345	-0.5550	-0.0102	-0.0035	-0.00380
504	-2.51012	-6.44547	-1.0094	-0.0090	-0.0110	-0.00385
505	-2.50303	-6.47794	-0.9651	-0.0160	-0.0094	-0.00376
506	-1.49592	-6.47794	-2.0034	-0.0177	-0.0071	-0.00423
507	-5.13702	-6.49443	-0.6154	-0.0246	-0.0054	-0.00232
508	-5.13440	-6.42437	-0.2333	-0.0162	-0.0065	-0.00380
509	-1.49519	-6.08504	-1.5437	-0.0177	-0.0071	-0.00423
510	-5.09034	-6.41425	-0.3974	-0.0379	-0.0134	-0.00205
511	-5.11579	-6.31420	-0.9454	-0.0217	-0.0030	-0.00390
512	-1.47555	-6.07204	-2.4175	-0.0177	-0.0042	-0.00426
513	-5.13702	-6.49370	-0.5342	-0.0155	-0.0016	-0.00294
514	-5.17507	-7.22441	-0.5422	-0.0132	-0.0163	-0.00349
601	-5.49220	-6.74137	-0.5755	-0.0137	-0.0061	-0.00252
603	-1.49575	-6.21415	-0.1635	-0.0061	-0.0061	-0.00373
605	-5.06572	-6.74206	-1.5309	-0.0127	-0.0055	-0.00414
612	-5.37245	-6.24014	-1.4342	-0.0054	-0.0017	-0.00292
613	-5.30042	-6.21564	-2.3201	-0.0523	-0.0004	-0.00387
641	-5.10421	-6.09400	-0.6006	-0.0045	-0.0005	-0.00537
643	-5.09297	-6.10627	-0.2699	-0.0168	-0.0005	-0.00254
645	-5.07444	-6.13041	-0.1875	-0.0043	-0.0059	-0.00373
646	-2.73507	-6.16134	-1.6134	-0.0006	-0.0064	-0.00405
648	-2.45344	-6.45014	-1.0977	-0.0034	-0.0042	-0.00380
649	-1.79723	-6.49404	-1.0994	-0.0100	-0.0046	-0.00415
651	-5.11410	-6.47421	-0.7489	-0.0052	-0.0012	-0.00249
653	-5.05471	-6.06956	-0.5252	-0.0041	-0.0058	-0.00374
654	-1.71919	-6.45635	-0.6920	-0.0090	-0.0040	-0.00411
651	-5.04976	-6.07405	-1.3406	-0.0117	-0.0067	-0.00182

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STRAN - JOINT DEFLECTIONS AND ROTATIONS

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

LEAD CONDITION NO. 8 / JOINT NUMBER / DEFLECTION IN INCHES / X / Y / Z / MUTATION IN RADIAN / X / Y / Z / REMARKS

JOINT NUMBER	X	Y	Z	X	Y	Z	X	Y	Z	REMARKS
602	-3.31249	-4.98203	-2.5205	-0.0415	-0.0039	-0.0037	-0.0049	-0.0049	-0.0037	
603	-3.52458	-4.97093	-0.6953	0.0224	-0.0049	-0.0061	-0.0050	-0.0049	-0.0061	
701	-3.11725	-5.66639	-0.0456	0.0050	-0.0027	-0.0029	-0.0021	-0.0018	-0.0029	
702	-4.80820	-4.80082	-0.17409	-0.0021	-0.0018	-0.00358	-0.0021	-0.0018	-0.00358	
703	-3.14115	-3.29315	-0.05377	0.0062	-0.0057	-0.00591	-0.0025	-0.0049	-0.00591	
704	-2.50467	-5.21431	-0.17429	0.0025	-0.0049	-0.00364	-0.0001	-0.0044	-0.00364	
705	-2.55513	-4.50444	-0.16451	0.0001	-0.0044	-0.00414	0.0093	-0.0034	-0.00414	
706	-1.63300	-4.78619	-0.2144	0.0093	-0.0034	-0.00404	0.0050	-0.0040	-0.00404	
707	-5.14371	-5.71522	-0.08487	0.0050	-0.0027	-0.00229	0.0053	-0.0027	-0.00229	
708	-3.08499	-3.40543	-0.11305	0.0053	-0.0057	-0.00387	0.0043	-0.0057	-0.00387	
709	-1.55572	-4.78927	0.0015	0.0043	-0.0034	-0.00404	0.0043	-0.0034	-0.00404	
710	-2.44445	-4.57491	-0.4761	0.0043	-0.0028	-0.00144	0.0043	-0.0028	-0.00144	
711	-3.21434	-3.54944	0.15742	0.0184	-0.0010	-0.00203	0.0184	-0.0010	-0.00203	
712	-1.48445	-4.72372	-2.7634	0.0184	-0.0102	-0.00419	0.0184	-0.0102	-0.00419	
801	-2.44253	-5.56507	-0.07080	0.0195	-0.0118	-0.00165	0.0195	-0.0118	-0.00165	
802	-2.42447	-4.55223	-3.6829	0.0094	-0.0027	-0.00366	0.0094	-0.0027	-0.00366	
803	-2.90735	-3.40982	-3.5894	0.0236	-0.0096	-0.00390	0.0236	-0.0096	-0.00390	
804	-2.77418	-4.42410	-0.08258	0.0100	-0.0125	-0.00349	0.0100	-0.0125	-0.00349	
805	-2.90483	-3.42412	-3.18109	0.0077	-0.0050	-0.00423	0.0077	-0.0050	-0.00423	
806	-1.27183	-4.31150	-2.2354	0.0203	-0.0076	-0.00413	0.0203	-0.0076	-0.00413	
807	-2.48884	-5.40751	-0.6945	0.0145	-0.0119	-0.00167	0.0145	-0.0119	-0.00167	
808	-2.43715	-3.23444	-4.0655	0.0236	-0.0046	-0.00390	0.0236	-0.0046	-0.00390	
809	-1.17441	-4.51478	-2.7184	0.0203	-0.0077	-0.00409	0.0203	-0.0077	-0.00409	
810	-1.62211	-3.08400	-0.5462	0.0204	-0.0141	-0.00361	0.0204	-0.0141	-0.00361	
811	-3.07444	-2.43545	0.17045	0.0204	-0.0141	-0.00361	0.0204	-0.0141	-0.00361	
812	-4.93500	-4.25413	-2.7419	0.0214	-0.0093	-0.00404	0.0214	-0.0093	-0.00404	
901	-2.55280	-4.44381	-0.9217	0.0234	-0.0150	-0.00144	0.0234	-0.0150	-0.00144	
902	-2.50725	-3.54972	-4.45050	0.0168	-0.0051	-0.00390	0.0168	-0.0051	-0.00390	
903	-2.63748	-2.28895	-5.4444	0.0264	-0.0151	-0.00377	0.0264	-0.0151	-0.00377	
904	-1.60181	-4.11444	-1.0322	0.0136	-0.0144	-0.00541	0.0136	-0.0144	-0.00541	
905	-1.54169	-2.46260	-1.4422	0.0106	-0.0029	-0.0024	0.0106	-0.0029	-0.0024	
906	-1.7353	-3.58185	4.077	0.0274	-0.0143	-0.00365	0.0274	-0.0143	-0.00365	
907	-2.5523	-4.73311	-0.9315	0.0234	-0.0150	-0.00144	0.0234	-0.0150	-0.00144	
908	-2.8789	-2.14623	-6.6025	0.0264	-0.0150	-0.00373	0.0264	-0.0150	-0.00373	
909	-0.1477	-3.57672	-5.5082	0.0274	-0.0143	-0.00363	0.0274	-0.0143	-0.00363	
910	-1.73717	-1.57345	-0.2710	0.0434	-0.0240	-0.00112	0.0434	-0.0240	-0.00112	
911	-2.03422	-2.03740	-1.4102	0.0145	-0.0029	-0.0024	0.0145	-0.0029	-0.0024	
912	-4.0747	-3.46513	-2.3742	0.0197	-0.0066	-0.00551	0.0197	-0.0066	-0.00551	
1001	-2.25188	-4.04407	-1.0585	0.0218	-0.0087	-0.00159	0.0218	-0.0087	-0.00159	
1002	-2.25250	-2.74301	-3.5608	0.0279	-0.0084	-0.00419	0.0279	-0.0084	-0.00419	
1003	-2.14883	-1.55004	-7.6317	0.0220	-0.0190	-0.00315	0.0220	-0.0190	-0.00315	
1004	-1.12107	-3.39575	-2.9312	0.0234	-0.0210	-0.00411	0.0234	-0.0210	-0.00411	
1005	-1.11201	-2.07382	-1.4246	0.0136	-0.0120	-0.00360	0.0136	-0.0120	-0.00360	
1006	-1.2484	-2.60010	-6.5571	0.0248	-0.0164	-0.00322	0.0248	-0.0164	-0.00322	
1007	-2.27359	-4.08869	-1.1373	0.0217	-0.0087	-0.00154	0.0217	-0.0087	-0.00154	
1008	-2.17882	-1.28009	-4.2437	0.0220	-0.0140	-0.00312	0.0220	-0.0140	-0.00312	
1009	0.43575	-2.40202	-7.2414	0.0294	-0.0185	-0.00319	0.0294	-0.0185	-0.00319	
1010	0.47504	-0.53302	-0.3529	0.0026	-0.0282	-0.00186	0.0026	-0.0282	-0.00186	
1011	-0.18883	-0.44075	-0.02905	0.0280	-0.0152	-0.00137	0.0280	-0.0152	-0.00137	

UNLQUE  
GLOBAL

STRAIN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 8

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

JOINT NUMBER	X	Y	Z	ROTATION IN RADIANS	X	Y	Z	REMARKS
1011	-.13769	2.35240	-.31854	-.00580	-.00066	-.00289	UPLIQUE	
1011	-1.40597	-1.30678	.07282	.00305	-.00494	-.00296	GLUMAL	
1012	-.12874	-2.44125	.26389	.00610	-.00070	-.00283	UPLIQUE	
1012	-.12874	-2.45141	-.14104	.00610	-.00022	-.00290	GLUMAL	

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STRAIN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

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

JOINT /-----DEFLECTION IN INCHES-----/ /-----ROTATION IN RADIAN-----/ /-----REMARKS-----/  
 NUMBER X Y Z X Y Z

101	0.0075	-7.75317	0.3448	-0.0111	-0.0005	0.0196
102	0.0077	-7.57508	-0.5175	-0.0125	-0.0013	-0.0053
103	0.0270	-7.54319	-0.0713	-0.0117	-0.0012	-0.0235
104	0.1597	-7.71570	-0.2027	-0.0100	-0.0016	-0.0098
105	0.0030	-7.03075	-0.20545	-0.0069	-0.0010	-0.0019
106	0.0030	-7.07005	-0.20671	-0.0074	-0.0052	-0.0013
201	0.0422	-7.95127	0.3597	-0.0121	-0.0020	-0.0205
202	0.0347	-7.95223	-0.9507	-0.0121	-0.0016	-0.0044
203	0.11205	-7.91249	-0.0570	-0.0140	-0.0010	-0.0242
204	0.14547	-7.84247	-0.2163	-0.0071	-0.0051	-0.0079
205	0.14715	-7.84360	-0.2364	-0.0070	-0.0016	-0.0022
206	0.15008	-7.85041	-0.2608	-0.0118	-0.0015	-0.0015
301	0.11500	-7.90615	0.3923	-0.0226	-0.0009	0.0227
303	0.11047	-7.84319	0.0205	0.0219	-0.0014	-0.0266
305	0.12495	-7.84545	-0.26439	0.0251	-0.0045	-0.0043
401	0.02847	-8.04546	0.5404	0.0362	-0.0041	-0.0106
403	0.13604	-8.00260	0.0751	0.0324	-0.0062	-0.0061
405	0.02847	-8.04546	-0.26439	0.0251	-0.0045	-0.0043
501	0.05064	-5.97733	-0.26439	0.0251	-0.0045	-0.0043
502	0.05064	-5.97733	0.26439	0.0251	-0.0045	-0.0043
503	0.16500	-5.92845	-0.0367	0.0223	-0.0033	-0.0066
504	0.03240	-5.85447	-0.0126	-0.0133	-0.0141	-0.0028
505	0.14077	-5.91534	0.1202	-0.0131	-0.0105	-0.0072
506	0.10144	-5.90172	-0.22002	-0.0194	-0.0015	-0.0035
507	0.0170	-5.91013	-0.0250	-0.0267	-0.0094	-0.0094
508	0.11041	-5.92044	-0.2323	0.0223	-0.0033	-0.0067
509	0.11059	-5.87014	-0.17406	-0.0194	-0.0015	-0.0035
510	0.0207	-5.89040	0.5318	0.0364	-0.0072	-0.0113
511	0.1105	-5.89471	0.2316	-0.0350	-0.0097	-0.0068
512	0.10427	-5.85509	-0.2019	0.0194	-0.0004	-0.0037
513	0.0117	-5.90216	-0.4903	0.0194	-0.0094	-0.0038
514	0.1215	-5.92117	0.2490	-0.0133	-0.0054	-0.0011
601	0.0000	-5.75802	-0.0000	0.0166	-0.0010	-0.0079
603	0.0703	-5.80555	-0.2625	-0.0117	-0.0004	-0.0051
604	0.0703	-5.74947	-0.16745	-0.0134	-0.0029	-0.0035
611	0.10145	-5.76024	-0.12522	-0.0093	-0.0008	-0.0184
612	0.04371	-7.23375	-0.21420	-0.00553	-0.0005	-0.0016
613	0.0544	-5.00723	-0.10600	-0.0034	-0.0019	-0.0160
641	0.05542	-5.65512	-0.2502	-0.0110	-0.0019	-0.0076
642	0.10554	-6.03048	-0.04294	-0.0127	-0.0021	-0.0073
643	0.10444	-5.74009	-0.04572	-0.0062	-0.0009	-0.0049
644	0.12431	-5.77637	-0.12494	-0.0023	-0.0067	-0.0013
645	0.13415	-5.63453	-0.06409	-0.0013	-0.0013	-0.0011
646	0.06941	-5.66761	-0.11953	-0.0108	-0.0035	-0.0037
651	0.04950	-5.57452	-0.06357	-0.0090	-0.0018	-0.0079
653	0.10773	-5.69772	-0.06400	-0.0051	-0.0011	-0.0055
656	0.04953	-5.54954	-0.07403	-0.0094	-0.0033	-0.0040
661	0.10161	-5.50015	-0.12543	-0.0115	-0.0004	-0.0257

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STRAIN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 9 U.S. NAVY - ACMP PLATFORMS - PLATFORM NO. 2 - MAX 93.0 FEET - 50 YR STORM

REMARKS

JOINT NUMBER	X	Y	Z	X	Y	Z	REMARKS
652	09007	-7.94123	-21921	-0.0429	0.0005	0.0029	
653	07213	-5.64933	-10412	-0.0079	0.0013	-0.0026	
701	07509	-5.49714	-09552	0.0005	0.0014	0.0093	
702	07417	-5.55402	-17074	-0.0009	0.0001	0.0039	
703	01137	-5.64451	-08411	0.0004	-0.0012	-0.0072	
704	01303	-5.51034	-15254	0.0015	-0.0056	0.0064	
705	06434	-5.57497	-16437	0.0005	0.0043	-0.0007	
707	03170	-5.52114	-12100	0.0106	-0.0021	0.0045	
707	03044	-5.40132	-10453	0.0085	0.0014	0.0093	
708	01019	-5.65212	-09625	0.0064	-0.0012	0.0071	
709	04409	-5.52400	-00412	0.0106	-0.0021	0.0043	
710	00454	-4.71607	-07410	0.0303	-0.0147	0.0148	
711	03248	-4.74424	-06405	0.0381	0.0154	-0.0127	
712	01754	-5.47243	-31209	0.0116	-0.0013	0.0043	
801	03005	-4.90634	-22448	0.0221	-0.0003	0.0145	
802	00523	-5.01954	-37114	0.0107	-0.0006	0.0023	
803	01943	-5.04433	-26249	0.0254	-0.0005	-0.0104	
804	00444	-4.90974	-12766	0.0088	-0.0069	0.0076	
805	02031	-5.05064	-10121	0.0107	0.0006	-0.0003	
806	01062	-4.90276	-27407	0.0244	0.005	0.0032	
807	00690	-4.40547	-25466	0.0221	-0.0003	0.0141	
808	01070	-5.00204	-24303	0.0254	-0.0005	-0.0106	
809	01034	-4.94142	-33674	0.0244	0.0035	0.0034	
810	03030	-5.11356	-09104	0.0347	-0.0093	0.0169	
811	03555	-3.45523	-07105	0.0426	0.0076	-0.0136	
812	07251	-4.60532	-31343	0.0259	-0.0014	0.0029	
901	12070	-4.04465	-34004	0.0249	0.0004	0.0134	
902	10461	-4.00609	-48104	0.0204	-0.0001	0.0005	
903	09604	-4.00012	-40234	0.0295	-0.0016	0.0112	
904	01475	-4.02755	-00499	0.0152	-0.0071	0.0064	
905	02554	-4.12544	-00394	0.0151	0.0065	0.0014	
906	02144	-4.07226	-57434	0.0323	-0.0004	0.0084	
907	13346	-4.03404	-42650	0.0299	0.0008	0.0133	
908	00104	-4.05055	-45491	0.0245	-0.0016	0.0109	
909	02253	-4.00900	-65424	0.0324	-0.0004	0.0042	
910	11305	-2.12433	-08206	0.0326	-0.0057	0.0141	
911	09244	-2.09072	-05069	0.0341	0.0067	-0.0120	
912	04040	-3.95976	-26054	0.0234	-0.0016	0.0034	
1001	00597	-2.97433	-50060	0.0324	0.0040	0.0106	
1002	11045	-3.14220	-46129	0.0344	-0.0002	0.0030	
1003	10415	-3.14030	-44914	0.0241	-0.0039	0.0070	
1004	01334	-3.07615	-20431	0.0259	-0.0094	0.0005	
1005	02422	-3.10442	-04014	0.0206	0.0030	0.0070	
1006	00310	-2.97950	-77439	0.0333	-0.0066	0.0025	
1007	00276	-2.96740	-54401	0.0324	0.0040	0.0107	
1008	10467	-3.14129	-53637	0.0241	-0.0039	0.0072	
1009	00106	-2.96149	-45530	0.0333	-0.0066	0.0025	
1010	03734	-1.41203	-20145	0.0377	0.0143	0.0064	
1010	10374	-1.05713	-03371	0.0344	0.0237	0.0094	

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UHLIQUE  
GLOBAL

STRAIN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 9

U.S. NAVY - ACAR PLATFORMS - PLATFORM NO. 2 - MAX 93.0 FEET - 50 YR STURM

JOINT NUMBER / DEFLECTION IN INCHES / ROTATION IN RADIANS / REMARKS /

	X	Z	X	Y	Z	UMLIQUE	GLUBAL
1011	.41910	1.52187	-.20365	-.00340	-.00202	-.00041	
1011	-.95759	-1.02575	-.01636	.00337	-.00199	-.00073	
1012	-.01391	-2.74403	.30978	.00586	-.00006	.00035	
1012	-.01391	-2.74067	-.15361	.00686	-.00012	.00033	

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**CREST OFFSHORE, INC.**

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Sheet \_\_\_ of \_\_\_

By ADP Client U.S. NAVY Subject DESIGN OF 93' MW STRUCTURE  
Date 9-3-76 Job No. 27-771-95 Calculation SPACE FRAME ANALYSIS

6.5 REACTIONS

STRAN - REACTION FORCES AND MUMENTS

PAGE 1  
DATE 06/27/76

LOAD CONDITION NO. 6 U.S. NAVY - ACRH PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STURM

JOINT NUMBER	REACTION FORCE IN KIIPS		MUMENT IN IN-KIPS		REMARKS
	Fx	Fy	Max	Min	
1010	14.2720	24.9274	173.0628	1654.9136	UPLIQUE
1010	-12.4904	-14.7548	174.8059	1145.3685	GLUHAL
1011	-1.1208	434.1074	-1778.9111	51821.4078	UHLIQUE
1011	-823.5744	-341.0080	-1681.3028	-24210.4489	GLUHAL
1012	-2.1480	-415.0458	2246.3604	-52278.4129	UHLIQUE
1012	-2.1800	-785.2720	2147.0192	-52278.4128	GLUHAL
TOTAL	-030.0513	-1161.0348	680.5224	-65343.4912	

6.24

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STRAN - REACTION FORCES AND MOMENTS

PAGE 2  
DATE 08/27/76

LOAD CONDITION NO. 7 U.S. NAVY - ACRH PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YH STURM

JOINT NUMBER	FORCE IN KIPS		MOMENT IN IN-KIPS		REMARKS
	Fx	Fy	Mx	My	
1010	10.2425	240.4375	-951.5526	32099.4692	URLIQUE
1010	375.1549	-228.5124	-891.4790	-8748.9343	GLOBAL
1011	-10.0725	293.7005	-1044.0472	34044.4334	URLIQUE
1011	-394.4726	-239.9014	-942.5043	-9471.2545	GLOBAL
1012	.1189	-480.4691	2658.4916	-59644.9980	URLIQUE
1012	.1189	-891.3345	2547.1125	-59644.9980	GLOBAL
TOTAL	-14.1400	-1359.5534	673.3242	-77665.1914	
			1846.6274	-1434.1069	

STRAN - REACTION FORCES AND MOMENTS

PAGE 3  
DATE 08/27/76

LOAD CONDITION NO. 8 U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YK STURM

JOINT NUMBER	FORCE IN KIIPS		MOMENT IN IN-KIIPS		MARKS	
	Fx	Fy	Fz	Max	Max	Max
1010	-17.4744	-7.3109	269.0420	250.0022	-12565.9495	2063.6488
1010	-35.4634	40.4279	265.0034	-11154.1572	6140.1160	-31.4089
1011	1.6317	-405.2098	2244.9640	-51260.4517	3670.3700	3207.0196
1011	063.4077	384.9142	2148.0625	23444.0903	-45651.3142	3668.3756
1012	3.2853	426.0020	-1654.7717	50161.8003	3254.1052	3134.7341
1012	3.2855	727.4232	-1764.1044	50141.8002	2646.5925	3632.0082
TOTAL	030.7246	1153.7702	646.9415	62452.5334	-36812.6107	7269.7749

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STRAN - REACTION FORCES AND MOMENTS

PAGE 4  
DATE 06/27/76

LOAD CONDITION NO. 9 U.S. NAVY - ACRN PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STURM

JOINT NO.	FORCE IN KIPS	MOMENT IN IN-KIPS			REMARKS		
	Fx	Fy	Fz	Max	Min		
1010	-10.1516	-200.0525	1419.5875	-30912.4969	-8715.7297	-705.0213	UHLIQUE
1010	-420.7140	257.9039	1556.0614	8101.0249	31014.0621	-2129.6388	GLUMAL
1011	11.4204	-203.5023	1436.0553	-31351.2240	9193.0352	-453.4543	UHLIQUE
1011	424.1163	257.8672	1373.7439	7877.2542	-31650.3564	1959.4202	GLUMAL
1012	.5241	440.7751	-2184.3445	56521.1877	240.6335	-385.2077	UHLIQUE
1012	.5240	833.3376	-2075.5852	56521.1877	308.5784	-339.0915	GLUMAL
TOTAL	-2.0760	1349.1097	654.2201	72500.0000	-327.7159	-509.5100	

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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"

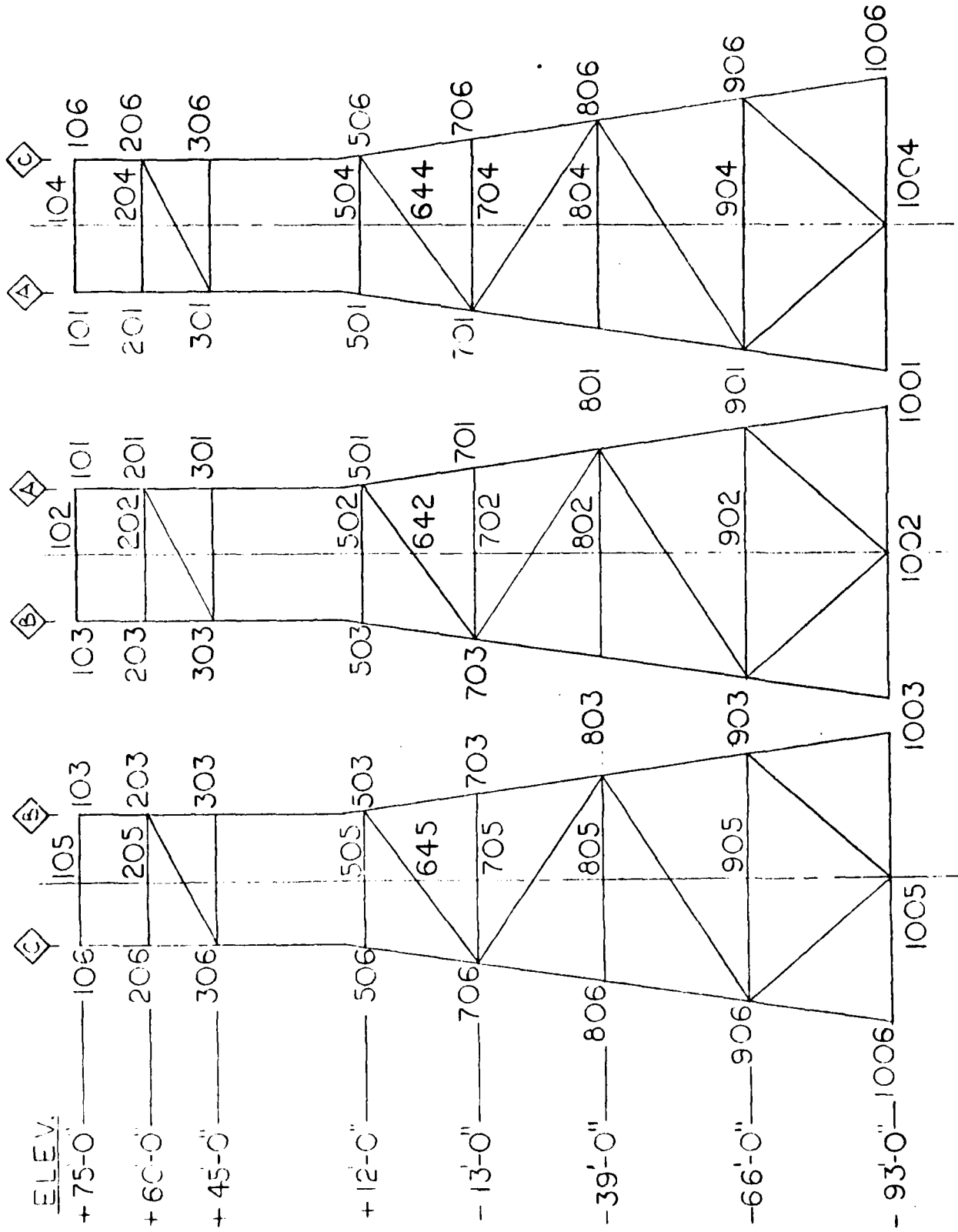
3016293 Jacket - Plan at El. (-) 66'-0" & (-) 93'-0"

3016303 Superstructure - Elevations

**CREST OFFSHORE, INC.**

Sheet 708 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



JOINT GEOMETRY — PRIMARY JOINTS

**CREST OFFSHORE, INC.**

7.04

Sheet \_\_\_ of \_\_\_

By L. Kirk Client U.S. Navy

Subject DESIGN OF 93' MLW STRUCTURE

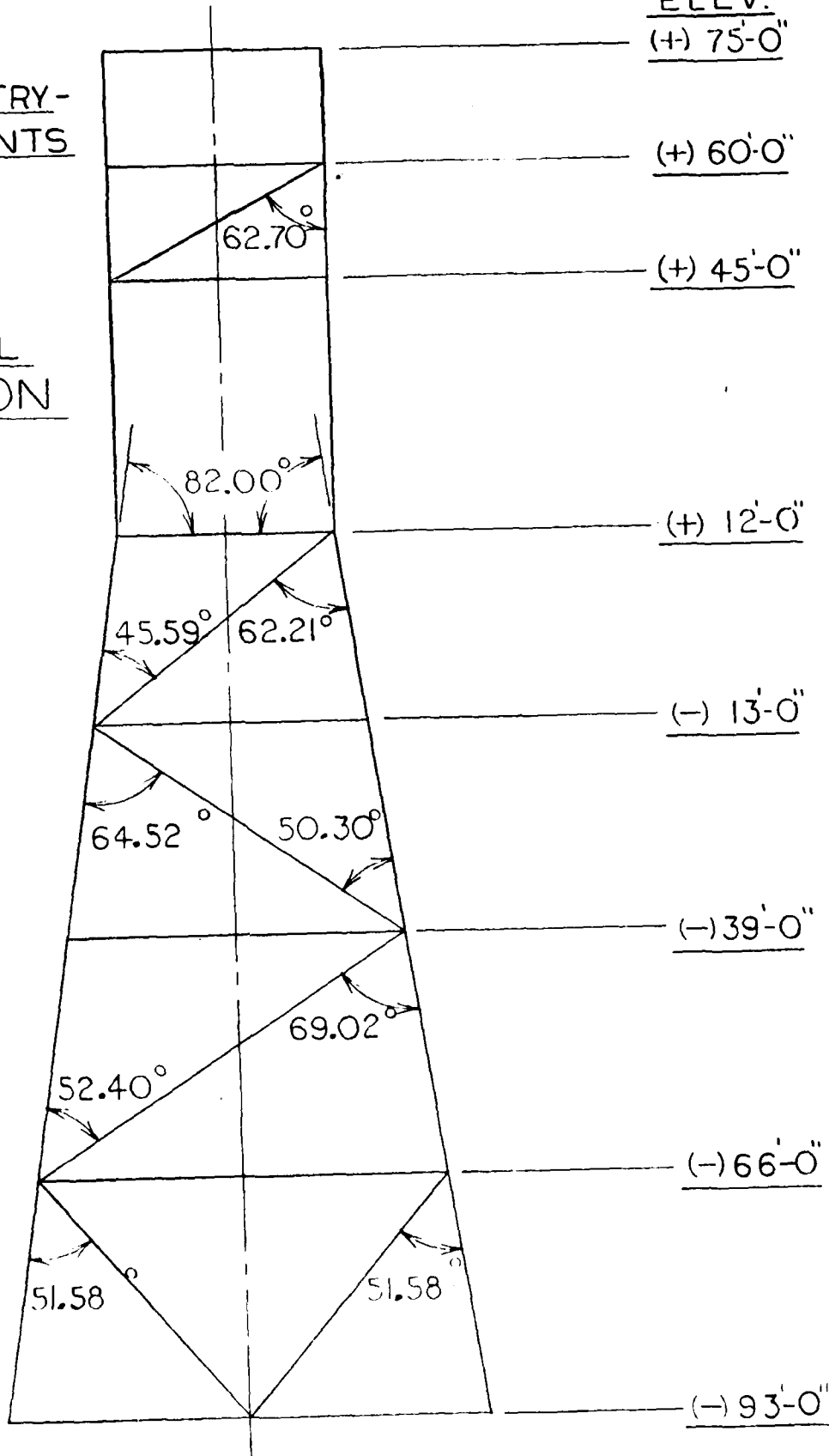
Date 7-29-76 Job No. 27-771-95

Calculation TUBULAR JOINT ANALYSIS

ELEV.

JOINT GEOMETRY -  
PRIMARY JOINTS

TYPICAL  
ELEVATION



CREST OFFSHORE, INC.

7.05

Sheet \_\_\_\_\_ of \_\_\_\_\_

By AKC Client U.S. NAVY Subject DESIGN OF 93' MLLI STRUCTURE  
Date 9-3-76 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	30	
201	303	12,750	.500	1	62.70	30	
203	303	30,000	1,250	1	-0.00	30	
203	306	12,750	.500	1	62.70	30	
206	306	30,000	1,250	1	-0.00	30	
206	301	12,750	.500	1	62.70	30	
209	301	30,000	1,250	2	-0.00	30	
209	301	12,750	.500	2	62.70	30	
301	306	12,750	.500	1	90.00	30	
301	401	30,000	1,250	1	-0.00	30	
301	304	12,750	.750	1	90.00	30	
303	303	30,000	1,500	2	-0.00	30	
303	303	12,750	1,000	2	62.70	30	
303	303	12,750	.750	2	90.00	30	
303	403	30,000	1,250	1	-0.00	30	
303	303	12,750	.500	2	90.00	30	
306	306	30,000	1,250	2	-0.00	30	
306	306	12,750	.750	2	62.70	30	
306	306	12,750	.750	2	90.00	30	
306	406	30,000	1,250	1	-0.00	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	62.34	30	
306	306	12,750	.750	2	-0.00	30	
306	406	30,000	1,250	2	61.82	30	
306	306	12,750	.750	1	61.82	30	
306	306	12,750	.750	1	62.34	30	
306	306	12,750	.750	1	-0.00	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	62.34	30	
306	306	12,750	.750	2	-0.00	30	
306	406	30,000	1,250	2	61.82	30	
306	306	12,750	.750	1	61.82	30	
306	306	12,750	.750	1	62.34	30	
306	306	12,750	.750	1	-0.00	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	62.34	30	
306	306	12,750	.750	2	-0.00	30	
306	406	30,000	1,250	2	61.82	30	
306	306	12,750	.750	1	61.82	30	
306	306	12,750	.750	1	62.34	30	
306	306	12,750	.750	1	-0.00	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	62.34	30	
306	306	12,750	.750	2	-0.00	30	
306	406	30,000	1,250	2	61.82	30	
306	306	12,750	.750	1	61.82	30	
306	306	12,750	.750	1	62.34	30	
306	306	12,750	.750	1	-0.00	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	61.82	30	
306	306	12,750	.750	2	62.34	30	
306	306	12,750	.750	2	-0.00	30	
306	406	30,000	1,250	2	61.82	30	

7.06



7.08

NO.	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
901	903	20,000	.500	52.67	36
902	903	14,000	.500	81.82	36
903	907	14,000	.500	81.82	36
903	1005	16,000	.750	51.98	36
903	1002	16,000	.750	51.98	36
903	1003	47,000	1.375	-0.00	36
901	903	20,000	.500	52.67	36
902	903	14,000	.500	81.82	36
903	905	14,000	.500	81.82	36
903	1005	16,000	.750	51.98	36
903	1002	16,000	.750	51.98	36
906	906	47,000	1.375	-0.00	36
903	906	20,000	.625	52.67	36
905	906	14,000	.500	81.82	36
904	906	14,000	.500	81.82	36
906	1005	16,000	.750	51.98	36
906	1004	16,000	.750	51.98	36
906	1006	47,000	1.375	-0.00	36
903	906	20,000	.625	52.67	36
905	906	14,000	.500	81.82	36
904	906	14,000	.500	81.82	36
906	1005	16,000	.750	51.98	36
906	1004	16,000	.750	51.98	36
906	1006	47,000	1.375	-0.00	36
1001	1002	20,000	1.250	81.82	36
1001	1001	46,000	1.250	-0.00	36
1001	1002	20,000	.625	81.82	36
1001	1004	20,000	.625	81.82	36
1003	1003	46,000	1.250	-0.00	36
1002	1003	20,000	.625	81.82	36
1003	1005	20,000	.625	81.82	36
906	1006	46,000	1.250	-0.00	36
1004	1006	20,000	.625	81.81	36
1005	1006	20,000	.625	81.81	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
16	1.275000E+01	5.000000E-01	1.924226E+01	5.671274E+01	3.600000E+01
2	1.275000E+01	7.500000E-01	2.827439E+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	5.469027E+01	2.700984E+02	3.600000E+01
6	1.275000E+01	3.750000E-01	1.457449E+01	4.381725E+01	3.600000E+01
7	2.000000E+01	7.500000E-01	4.535672E+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	1.275000E+01	5.000000E-01	2.120575E+01	6.910801E+01	3.600000E+01
11	2.000000E+01	5.000000E-01	3.063053E+01	1.456884E+02	3.600000E+01

LOAD  
CASE

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 ML STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	SPACE NUMBER	DIAMETER	THICKNESS /-	S T R E S S - AXIAL BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201	301	201	303	30.00 12.75	1.250 .500	.521 8.200	2.765	9.625
201	301	201	303	30.00 12.75	1.250 .500	.570 12.144	4.213	9.625
201	301	201	303	30.00 12.75	1.250 .500	.432 2.783	1.020	9.625
201	301	201	303	30.00 12.75	1.250 .500	.403 1.800	.649	9.625
203	303	203	306	30.00 12.75	1.250 .500	.056 5.008	3.881	9.625
203	303	203	306	30.00 12.75	1.250 .500	.019 7.267	4.468	9.625
203	303	203	306	30.00 12.75	1.250 .500	1.149 9.647	5.645	9.625
203	303	203	306	30.00 12.75	1.250 .500	1.092 8.743	5.102	9.625
206	306	206	301	30.00 12.75	1.250 .500	1.021 6.254	4.393	9.625
206	306	206	301	30.00 12.75	1.250 .500	1.214 10.536	6.476	9.625
206	306	206	301	30.00 12.75	1.250 .500	.182 5.835	4.742	9.625
206	306	206	301	30.00 12.75	1.250 .500	.018 6.245	4.755	9.625
201	301	301	306	30.00 12.75	1.250 .500	.556 6.183	4.011	9.625
						4.781 10.921	6.281	9.625

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER THICKNESS / - S T R E S S - / PUNCHING PUNCHING  
 SHEAR

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR	BRACE STRESS EXCEEDS
201	301	7	206 301	30.00 12.75	1.250 .500	6.06 8.885	15.531 6.724	5.164	9.040	
			301	12.75	.500	5.683	6.615	5.799	9.040	
201	301	8	206 301	30.00 12.75	1.250 .500	4.68 5.924	10.799 16.605	8.226	9.625	9.625
			301	12.75	.500	4.866	14.396	7.705	9.625	9.625
201	301	9	206 301	30.00 12.75	1.250 .500	4.39 8.179	14.062 6.079	4.722	9.314	
			301	12.75	.500	4.652	12.265	6.767	9.314	
301	401	6	301	30.00	1.250	1.238	11.627	6.589	9.588	
			306	12.75	.750	3.253	7.728			
301	401	7	301	30.00	1.250	3.315	15.655	6.063	9.068	
			306	12.75	.750	3.868	6.238			
301	401	8	301	30.00	1.250	0.34	11.896	8.095	9.625	
			306	12.75	.750	3.311	10.187			
301	401	9	301	30.00	1.250	1.017	15.259	7.107	9.016	
			306	12.75	.750	3.166	8.679			
203	303	6	201 301	30.00 12.75	1.500 1.000	0.77 0.53	12.349 14.734	8.339	11.003	
			303	12.75	.750	1.745	11.709	6.727	11.003	
203	303	7	201 301	30.00 12.75	1.500 1.000	0.46 0.30	13.433 15.791	8.977	10.842	
			303	12.75	.750	0.337	12.099	6.218	10.842	
203	303	8	201 301	30.00 12.75	1.500 1.000	0.97 0.89	12.418 6.455	3.689	10.855	
			303	12.75	.750	1.810	11.714	6.762	10.855	
203	303	9	201 301	30.00 12.75	1.500 1.000	0.98 0.27	11.755 4.713	2.673	10.991	
			303	12.75	.750	0.256	10.697	5.477	10.991	
303	403	6	301	30.00	1.250	0.263	14.107	7.644	9.336	
			303	12.75	.500	2.565	16.546			

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS / IN	S T R E S S		CALCULATED		ALLOWABLE	
						AXIAL	BENDING	PUNCHING SHEAR	PUNCHING SHEAR		
303	403	303	7	30.00	1.250	147	15,237	7,037	9,166		
				12.75	.500	496	17,098				
303	403	303	8	30.00	1.250	1,230	14,968	7,685	9,029		
				12.75	.500	2,659	16,554				
303	403	303	9	30.00	1.250	1,209	14,270	6,198	9,150		
				12.75	.500	377	15,117				
206	306	306	6	30.00	1.250	1,057	14,027	4,619	9,216		
				12.75	.750	4,613	4,058				
				12.75	.750	2,848	7,645	6,296	9,216		
206	306	306	7	30.00	1.250	1,250	17,429	5,542	8,614		
				12.75	.750	4,993	6,110				
				12.75	.750	2,244	10,630	7,725	8,614		
206	306	306	8	30.00	1.250	218	15,556	6,269	9,101		
				12.75	.750	4,924	7,610				
				12.75	.750	3,024	5,712	5,241	9,101		
206	306	306	9	30.00	1.250	54	17,608	6,296	8,863		
				12.75	.750	4,429	10,690				
				12.75	.750	2,181	8,705	6,531	8,784		
306	406	306	6	30.00	1.250	1,637	15,557	6,296	8,863		
				12.75	.750	2,848	7,645				
306	406	306	7	30.00	1.250	1,920	19,365	7,725	8,177		
				12.75	.750	2,244	10,630				
306	406	306	8	30.00	1.250	201	15,567	5,241	9,101		
				12.75	.750	3,024	5,712				
306	406	306	9	30.00	1.250	311	17,619	6,531	8,739		
				12.75	.750	2,181	8,705				
401	501	501	6	48.00	1.750	172	9,003	6,606	8,733		
				16.00	.750	7,520	8,615				
				16.00	.750	1,455	7,582	3,682	8,733		
				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 27771-01 93 FT MLM STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	TICKNESS /	STRESS	AXIAL BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
401	501	501	7	48.00	1.750	4.167	8.269	7.527	8.733
			501 504	16.00	.750	8.742	9.637	3.410	8.733
			501 502	16.00	.750	3.700	4.632	3.066	8.733
			501 642	20.00	1.000	.169	6.173		
401	501	501	8	48.00	1.750	.724	8.618	6.607	8.733
			501 504	16.00	.750	6.939	9.699	4.134	8.733
			501 502	16.00	.750	.533	6.408		
			501 642	20.00	1.000	4.240	4.495		
401	501	501	9	48.00	1.750	4.763	7.721	7.692	8.733
			501 504	16.00	.750	8.082	10.714	3.756	8.733
			501 502	16.00	.750	4.931	4.233	3.132	8.733
			501 642	20.00	1.000	.187	6.311		
501	601	501	6	48.00	1.750	.868	8.097	6.606	8.733
			501 504	16.00	.750	7.520	8.615	3.682	8.733
			501 502	16.00	.750	1.455	7.582	4.527	8.733
			501 642	20.00	1.000	4.434	5.124		
501	601	501	7	48.00	1.750	4.089	7.457	7.527	8.733
			501 504	16.00	.750	8.742	9.637	3.410	8.733
			501 502	16.00	.750	3.700	4.632	3.066	8.733
			501 642	20.00	1.000	.189	6.173		
501	601	501	8	48.00	1.750	1.298	7.771	6.807	8.733
			501 504	16.00	.750	6.939	9.699	2.824	8.733
			501 502	16.00	.750	.533	6.408	4.134	8.733
			501 642	20.00	1.000	4.240	4.495		
501	601	501	9	48.00	1.750	4.530	6.947	7.692	8.733
			501 504	16.00	.750	8.082	10.714	3.756	8.733
			501 502	16.00	.750	4.931	4.233	3.132	8.733
			501 642	20.00	1.000	.187	6.311		
403	503	503	6	48.00	1.750	6.919	6.001	1.872	6.691
			502 503	16.00	.750	.853	3.740	4.963	8.691
			503 505	16.00	.750	5.059	7.073	7.024	8.691
			503 645	20.00	1.000	9.357	5.571		
403	503	503	7	48.00	1.750	4.341	8.641	2.749	8.681
			502 503	16.00	.750	3.844	2.657	4.715	8.681
			503 505	16.00	.750	3.759	7.782	7.077	8.681
			503 645	20.00	1.000	9.289	5.746		

SAPCMK - CHEST 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 /	AXIAL BENDING	ALLOWABLE PUNCHING SHEAR	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR	
403	503	8	502	503	48.00	1.750	7.408	6.330	8.566	
			503	505	16.00	.750	.069	2.107	5.114	8.566
			503	645	20.00	1.000	5.619	6.051	9.179	8.566
403	503	9	502	503	48.00	1.750	4.672	8.432	8.663	
			503	505	16.00	.750	5.055	3.251	2.863	8.663
			503	645	20.00	1.000	4.086	9.142	5.403	8.663
503	603	6	502	503	48.00	1.750	5.472	5.419	8.733	
			503	505	16.00	.750	.853	3.740	1.672	8.733
			503	645	20.00	1.000	5.059	7.073	4.963	8.733
503	603	7	502	503	48.00	1.750	2.983	7.751	8.733	
			503	505	16.00	.750	3.844	2.857	2.749	8.733
			503	645	20.00	1.000	3.759	7.782	4.715	8.733
503	603	8	502	503	48.00	1.750	5.602	5.578	8.733	
			503	505	16.00	.750	.069	5.114	2.107	8.733
			503	645	20.00	1.000	5.619	9.179	6.051	8.733
503	603	9	502	503	48.00	1.750	3.233	7.471	8.733	
			503	505	16.00	.750	5.055	2.863	3.251	8.733
			503	645	20.00	1.000	4.086	9.142	5.403	8.733
406	506	6	505	506	48.00	1.750	7.881	4.196	8.733	
			504	506	16.00	.750	4.252	9.914	5.785	8.733
			506	644	20.00	1.000	7.810	7.827	6.406	8.733
406	506	7	505	506	48.00	1.750	9.204	5.125	8.733	
			504	506	16.00	.750	2.963	9.405	5.249	8.733
			506	644	20.00	1.000	9.388	9.781	7.852	8.733
406	506	8	505	506	48.00	1.750	7.494	4.438	8.733	
			504	506	16.00	.750	4.810	8.607	5.565	8.733
			506	644	20.00	1.000	7.218	6.262	5.525	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	AXIAL BENDING	ALLOWABLE PUNCHING SHEAR	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
406	506	9	505	506	1.750	8.714	4.962	4.607	8.576
			504	506	.750	3.309	7.972	6.802	8.576
			506	644	1.000	8.716	7.879	7.257	8.576
506	606	6	505	506	1.750	6.985	2.995	5.785	8.733
			504	506	.750	4.252	9.914	6.406	8.733
			506	644	1.000	7.810	7.827	6.368	8.733
506	606	7	505	506	1.750	7.911	3.737	5.249	8.733
			504	506	.750	2.263	9.905	7.852	8.733
			506	644	1.000	9.388	7.087	7.786	8.733
506	606	8	505	506	1.750	6.665	3.446	5.565	8.733
			504	506	.750	4.610	8.807	5.525	8.733
			506	644	1.000	7.218	6.262	6.004	8.733
506	606	9	505	506	1.750	7.501	3.828	4.607	8.733
			504	506	.750	3.309	7.972	6.802	8.733
			506	644	1.000	8.716	7.879	7.257	8.733
651	701	6	701	702	1.500	1.161	.918	1.683	7.930
			644	701	.375	4.145	3.732	2.901	7.930
			701	806	.750	8.612	4.772	1.219	7.930
651	701	7	701	806	.750	2.607	2.493	4.576	7.930
			701	806	.750	6.319	4.522	6.134	7.930
			701	806	1.500	5.205	.225	1.504	7.930
651	701	8	701	702	.375	3.358	2.430	3.353	7.930
			644	701	.750	12.407	3.395	.486	7.930
			701	806	.750	.506	1.535	6.134	7.930
651	701	8	701	702	1.500	1.074	.932	1.640	7.930
			644	701	.375	4.535	2.309	2.894	7.930
			701	806	.750	8.602	4.750	1.322	7.930
651	701	8	701	806	.750	6.164	4.982	4.708	7.930
			701	806	.750	6.164	4.982	4.708	7.930
			701	806	.750	6.164	4.982	4.708	7.930

7.14

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 = /	AXIAL BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
651	701	9	701 702	47.00	1.500	5.518	.202	1.706	7.930
			684 701	12.75	.375	4.184	2.943	3.261	7.930
			701 704	20.00	.750	12.162	3.217	1.068	7.930
			701 806	12.75	.375	.525	3.970	6.668	7.930
701	801	6	701 702	47.00	1.500	.640	.799	1.883	7.930
			684 701	12.75	.375	4.145	3.732	2.901	7.930
			701 704	20.00	.750	8.612	4.772	1.219	7.930
			701 806	12.75	.375	2.607	2.493	4.576	7.930
701	801	7	701 702	47.00	1.500	2.463	.311	1.504	7.930
			684 701	12.75	.375	3.358	2.930	3.353	7.930
			701 704	20.00	.750	12.407	3.395	.486	7.930
			701 806	12.75	.375	.506	1.535	6.134	7.930
701	801	8	701 702	47.00	1.500	.389	.808	1.640	7.930
			684 701	12.75	.375	4.535	2.309	2.894	7.930
			701 704	20.00	.750	8.602	4.750	1.322	7.930
			701 806	12.75	.375	1.960	3.586	4.708	7.930
701	801	9	701 702	47.00	1.500	2.757	.364	1.706	7.930
			684 701	12.75	.375	4.184	2.943	3.261	7.930
			701 704	20.00	.750	12.162	3.217	1.068	7.930
			701 806	12.75	.375	.525	3.970	6.668	7.930
653	703	6	682 703	47.00	1.500	6.960	1.697	3.966	7.930
			702 703	20.00	.750	5.842	7.207	1.919	7.930
			703 801	12.75	.375	4.878	3.139	5.898	7.930
			703 705	20.00	.750	5.737	6.178	.817	7.930
653	703	7	682 703	47.00	1.500	3.863	1.449	2.149	7.930
			702 703	20.00	.750	.255	6.580	1.322	7.930
			703 801	12.75	.375	3.327	2.194	3.003	7.930
			703 705	20.00	.750	.327	6.693	.990	7.930
701	801	7	701 702	47.00	1.500	1.549	2.603	1.706	7.930
			684 701	12.75	.375	4.184	2.943	3.261	7.930
			701 704	20.00	.750	12.162	3.217	1.068	7.930
			701 806	12.75	.375	.525	3.970	6.668	7.930

SAPCMK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM  
 PUNCHING SHEAR CHECK FOR S.NAVY 27-771-01 93 FT MLN STRUCTURE PRIMARY JOINTS

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER / - S T R E S S - / PUNCHING PUNCHING  
 SHEAR BENDING SWEAK

653	703	703	6	642	703	47.00	1.500	7.062	1.546	3.632	7.930
				702	703	20.00	.750	5.575	7.027	2.333	7.930
				703	801	12.75	.375	5.271	4.485	6.037	7.930
				703	705	20.00	.750	5.501	8.731	1.378	7.930
				703	705	12.75	.375	1.018	4.776		
653	703	703	9	642	703	47.00	1.500	3.870	1.295	2.097	7.930
				702	703	20.00	.750	.250	6.420	1.571	7.930
				703	801	12.75	.375	4.148	2.411	2.996	7.930
				703	705	20.00	.750	.144	6.855	1.483	7.930
				703	705	12.75	.375	1.684	4.543		
703	803	703	6	642	703	47.00	1.500	5.561	1.473	3.966	7.930
				702	703	20.00	.750	5.842	7.207	1.919	7.930
				703	801	12.75	.375	4.878	3.139	5.898	7.930
				703	705	20.00	.750	5.737	6.178	.817	7.930
				703	705	12.75	.375	.984	2.446		
703	803	703	7	642	703	47.00	1.500	3.790	1.204	2.149	7.930
				702	703	20.00	.750	.255	6.580	1.322	7.930
				703	801	12.75	.375	3.327	2.194	3.003	7.930
				703	705	20.00	.750	.327	6.693	.990	7.930
				703	705	12.75	.375	1.549	2.603		
703	803	703	6	642	703	47.00	1.500	5.673	1.419	3.832	7.930
				702	703	20.00	.750	5.575	7.027	2.333	7.930
				703	801	12.75	.375	5.271	4.485	6.037	7.930
				703	705	20.00	.750	5.501	8.731	1.378	7.930
				703	705	12.75	.375	1.018	4.776		
703	803	703	9	642	703	47.00	1.500	3.862	1.189	2.097	7.930
				702	703	20.00	.750	.250	6.420	1.571	7.930
				703	801	12.75	.375	4.148	2.411	2.996	7.930
				703	705	20.00	.750	.144	6.855	1.483	7.930
				703	705	12.75	.375	1.684	4.543		
706	806	706	6	645	706	47.00	1.500	5.338	.736	3.861	7.930
				705	706	20.00	.750	12.308	.927	1.640	7.930
				706	803	12.75	.375	2.445	4.433	7.354	7.930
				704	706	20.00	.750	11.180	6.269	1.831	7.930
				704	706	12.75	.375	3.374	4.294		



SAPCMK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - 3 T R E S - - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR SHEAR

706	806	706	7	645	706	47.00	1.500	6.521	1.209	4.768	7.930
				705	706	20.00	.750	12.218	3.687		
				706	803	12.75	.375	2.810	4.648		
				704	706	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	645	706	47.00	1.500	5.044	.723	4.369	7.930
				705	706	20.00	.750	12.838	2.053	1.134	7.930
				706	803	12.75	.375	2.475	2.269	6.740	7.930
				704	706	20.00	.750	11.026	4.985	1.470	7.930
				704	706	12.75	.375	2.716	3.441		

706	806	706	9	645	706	47.00	1.500	6.249	1.178	4.807	7.930
				705	706	20.00	.750	11.902	4.302	1.301	7.930
				706	803	12.75	.375	2.919	2.521	7.080	7.930
				704	706	20.00	.750	10.149	6.634	1.336	7.930
				704	706	12.75	.375	1.788	3.819		

656	706	706	6	645	706	47.00	1.500	8.234	.570	3.861	7.930
				705	706	20.00	.750	12.308	.927	1.640	7.930
				706	803	12.75	.375	2.485	4.433	7.354	7.930
				704	706	20.00	.750	11.190	6.269	1.831	7.930
				704	706	12.75	.375	3.374	4.294		

656	706	706	7	645	706	47.00	1.500	9.333	1.195	4.768	7.930
				705	706	20.00	.750	12.219	3.887	1.779	7.930
				706	803	12.75	.375	2.810	4.648	7.605	7.930
				704	706	20.00	.750	10.442	7.574	1.676	7.930
				704	706	12.75	.375	1.792	5.249		

656	706	706	8	645	706	47.00	1.500	7.954	.599	4.369	7.930
				705	706	20.00	.750	12.838	2.053	1.134	7.930
				706	803	12.75	.375	2.475	2.269	6.740	7.930
				704	706	20.00	.750	11.026	4.985	1.470	7.930
				704	706	12.75	.375	2.716	3.441		

656	706	706	9	645	706	47.00	1.500	8.946	1.237	4.907	7.930
				705	706	20.00	.750	11.902	4.302	1.301	7.930
				706	803	12.75	.375	2.919	2.521	7.080	7.930
				704	706	20.00	.750	10.149	6.634	1.336	7.930
				704	706	12.75	.375	1.788	3.819		

SAPCMK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - 9 T R E S - = / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER PUNCHING PUNCHING PUNCHING PUNCHING  
 SHEAR SHEAR SHEAR SHEAR

701	801	801	6	47.00	1.500	.615	.765	1.733	7.930
	801	804		12.75	.375	4.399	2.841	3.056	7.930
	801	802		20.00	.750	5.731	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	1.535	7.930
	801	804		12.75	.375	3.709	2.704	2.272	7.930
	801	802		20.00	.750	3.321	6.338	1.183	7.930
	801	903		20.00	.750	3.056	5.368	2.405	7.930

701	801	801	8	47.00	1.500	.414	.738	1.934	7.930
	801	804		12.75	.375	3.858	4.236	3.077	7.930
	801	802		20.00	.750	5.506	3.797	.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	2.078	7.930
	801	804		12.75	.375	3.750	4.954	2.240	7.930
	801	802		20.00	.750	1.138	6.418	1.382	7.930
	801	903		20.00	.750	3.712	2.059	2.662	7.930

801	901	801	6	47.00	1.500	.602	.929	1.733	7.930
	801	804		12.75	.375	4.399	2.841	3.056	7.930
	801	802		20.00	.750	5.731	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	1.535	7.930
	801	804		12.75	.375	3.709	2.704	2.272	7.930
	801	802		20.00	.750	3.321	6.338	1.183	7.930
	801	903		20.00	.750	3.056	5.368	2.405	7.930

801	901	801	8	47.00	1.500	.720	.751	1.934	7.930
	801	804		12.75	.375	3.858	4.236	3.077	7.930
	801	802		20.00	.750	5.506	3.797	.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 JOINT LOAD BRACE DIAMETER THICKNESS / = S T R E S S = / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR

801	901	801	9	47.00	1.500	2.671	.600	2.078	7.930
		801	804	12.75	.375	3.750	4.954	2.240	7.930
		703	801	20.00	.750	.138	6.416	1.382	7.930
		801	802	12.75	.375	3.712	2.059	2.662	7.930
		801	903	20.00	.750	.218	5.851		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	10.336	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	6	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	11.165	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	.467		
		706	803	12.75	.375	3.074	2.117	1.242	7.930
		803	805	12.75	.375	10.448	2.313	4.165	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 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
803	903	8	803	47.00	1.500	3.271	.670		7.930
			802	12.75	.375	2.159	4.787	1.655	7.930
			706	20.00	.750	11.019	.949	3.862	7.930
			803	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	9	803	47.00	1.500	1.671	.977		7.930
			802	12.75	.375	3.727	1.887	1.345	7.930
			706	20.00	.750	10.139	1.923	3.931	7.930
			803	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	6	806	47.00	1.500	5.313	.471		7.930
			805	12.75	.375	2.491	5.388	1.878	7.930
			701	20.00	.750	6.311	6.976	4.425	7.930
			804	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	7	806	47.00	1.500	6.496	.130		7.930
			805	12.75	.375	.324	5.219	1.316	7.930
			701	20.00	.750	10.163	4.275	4.744	7.930
			804	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	8	806	47.00	1.500	5.069	.510		7.930
			805	12.75	.375	2.034	2.918	1.182	7.930
			701	20.00	.750	6.170	6.777	4.311	7.930
			804	12.75	.375	4.434	2.097	1.565	7.930
806	901	20.00	.750	5.860	6.622	5.862	7.930		
706	806	9	806	47.00	1.500	6.274	.230		7.930
			805	12.75	.375	.244	3.351	.853	7.930
			701	20.00	.750	10.191	4.482	4.824	7.930
			804	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	6	806	47.00	1.500	3.950	.384		7.930
			805	12.75	.375	2.491	5.388	1.878	7.930
			701	20.00	.750	6.311	6.976	4.425	7.930
			804	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	AXIAL	BENDING	ALLOWABLE PUNCHING SHEAR	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	7	805	47.00	1.500	4,310	.490	1,316	7,930	7,930
			701	12.75	.375	.324	5,219	4,744	7,930	
			804	20.00	.750	10,163	4,275	2,353	7,930	
			806	12.75	.375	4,738	5,111	7,240	7,930	
			806	20.00	.750	9,502	7,053			
806	906	8	805	47.00	1.500	3,762	.342	1,182	7,930	7,930
			701	12.75	.375	2,034	2,418	4,311	7,930	
			804	20.00	.750	6,170	6,777	1,565	7,930	
			806	12.75	.375	4,434	2,097	5,462	7,930	
			806	20.00	.750	5,860	6,622			
806	906	9	805	47.00	1.500	4,120	.517	.853	7,930	7,930
			701	12.75	.375	.244	3,551	4,824	7,930	
			804	20.00	.750	10,141	4,482	1,735	7,930	
			806	12.75	.375	4,771	2,471	6,647	7,930	
			806	20.00	.750	9,459	6,200			
806	901	6	806	47.00	1.375	.684	1,126	3,706	7,447	7,447
			901	20.00	.625	6,993	4,786	3,171	7,447	
			901	14.00	.500	5,506	3,603	2,168	7,447	
			901	14.00	.500	3,239	2,997	3,108	7,447	
			901	1004	.750	7,139	1,325	3,274	7,447	
			901	1002	.750	6,719	2,155			
806	901	7	806	47.00	1.375	2,792	.689	4,452	7,447	7,447
			901	20.00	.625	11,338	2,958	1,032	7,447	
			901	14.00	.500	1,959	1,003	3,040	7,447	
			901	14.00	.500	6,133	2,585	5,197	7,447	
			901	1004	.750	12,028	2,129	801	7,447	
			901	1002	.750	.262	1,838			
806	901	8	806	47.00	1.375	.754	1,004	3,716	7,447	7,447
			901	20.00	.625	6,981	4,829	2,613	7,447	
			901	14.00	.500	5,019	2,477	2,127	7,447	
			901	14.00	.500	2,891	3,231	3,152	7,447	
			901	1004	.750	6,868	1,878	3,112	7,447	
			901	1002	.750	6,597	1,849			
806	901	9	806	47.00	1.375	2,878	.599	4,453	7,447	7,447
			901	20.00	.625	11,270	3,027	865	7,447	
			901	14.00	.500	1,106	1,444	3,596	7,447	
			901	14.00	.500	6,830	3,893	5,250	7,447	
			901	1004	.750	11,868	2,419	.791	7,447	
			901	1002	.750	.002	2,058			

7.21

SAPCK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM  
 PUNCHING SHEAR CHECK FOR S.NAVY 27-771-01 93 FT HLM STRUCTURE. PRIMARY JOINTS

CMRD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER CASE NUMBER NUMBER PUNCHING PUNCHING PUNCHING  
 SHEAR SHEAR SHEAR

901 1001 901 6	47.00	1.375	.016	1.098	3.706	7.447
806 901	20.00	.625	6.943	4.786	7.447	7.447
901 902	14.00	.500	5.506	3.603	2.171	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	.247	.733	4.452	7.447
806 901	20.00	.625	11.338	2.958	1.032	7.447
901 902	14.00	.500	1.959	1.003	3.040	7.447
901 904	14.00	.500	6.133	2.585	5.197	7.447
901 1004	16.00	.750	12.028	2.129	.801	7.447
901 1002	16.00	.750	.262	1.638	3.112	7.447

901 1001 901 8	47.00	1.375	.028	1.036	3.716	7.447
806 901	20.00	.625	6.981	4.829	2.613	7.447
901 902	14.00	.500	5.019	2.477	2.127	7.447
901 904	14.00	.500	2.841	3.231	3.152	7.447
901 1004	16.00	.750	6.888	1.678	3.112	7.447
901 1002	16.00	.750	6.547	1.849	4.453	7.447

901 1001 901 9	47.00	1.375	.343	.735	4.453	7.447
806 901	20.00	.625	11.270	3.027	3.596	7.447
901 902	14.00	.500	1.106	1.444	5.250	7.447
901 904	14.00	.500	6.430	3.893	.791	7.447
901 1004	16.00	.750	11.868	2.414	3.666	7.447
901 1002	16.00	.750	.002	2.058	3.884	7.447

803 903 903 6	47.00	1.375	3.530	1.060	4.771	7.447
801 903	20.00	.500	7.440	11.275	3.174	7.447
902 903	14.00	.500	5.077	4.047	3.551	7.447
903 905	14.00	.500	8.426	1.735	6.416	7.447
903 1005	16.00	.750	13.544	3.666	3.884	7.447
903 1002	16.00	.750	6.774	3.692	2.517	7.447

803 903 903 7	47.00	1.375	1.809	1.229	2.517	7.447
801 903	20.00	.500	.185	9.545	1.047	7.447
902 903	14.00	.500	1.923	1.082	3.345	7.447
903 905	14.00	.500	7.953	1.620	5.755	7.447
903 1005	16.00	.750	12.206	3.412	1.107	7.447
903 1002	16.00	.750	.249	2.549	7.447	7.447

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

WORD JOINT LOAD BRACE DIAMETER THICKNESS / - 8 T R E S - / CALCULATED ALLOWABLE  
 NUMBER CASE NUMBER NUMBER NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR SHEAR

803	903	903	8	47.00	1.375	3.530	1.147	4.670	7.447
		801	903	20.00	.500	7.335	11.032	4.670	7.447
		902	903	14.00	.500	4.594	4.592	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	2.560	7.447
		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	4.771	7.447
		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	3.666	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	2.517	7.447
		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	1.820	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	4.670	7.447
		801	903	20.00	.500	7.335	11.032	4.670	7.447
		902	903	14.00	.500	4.594	4.592	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	2.560	7.447
		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 MLM STRUCTURE PRIMARY JOINTS

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLUMABLE  
 NUMBER NUMBER CASE NUMBER AXIAL BENDING PUNCHING PUNCHING SHEAR SHEAR

806	906	906	6	803	906	47.00	1.375	4.269	.170	3.943	7.447
				905	906	20.00	.625	12.393	.365	4.146	7.447
				904	906	14.00	.500	7.680	4.221	2.393	7.447
				906	1005	14.00	.500	3.600	3.282	5.987	7.447
				906	1004	16.00	.750	13.602	2.695	3.893	7.447
						16.00	.750	7.143	3.367		

806	906	906	7	803	906	47.00	1.375	4.660	.794	5.069	7.447
				905	906	20.00	.625	11.251	4.945	4.154	7.447
				904	906	14.00	.500	7.288	4.642	3.684	7.447
				906	1005	14.00	.500	6.765	3.810	5.624	7.447
				906	1004	16.00	.750	12.272	3.011	5.840	7.447
						16.00	.750	11.943	3.636		

806	906	906	8	803	906	47.00	1.375	4.121	.425	4.154	7.447
				905	906	20.00	.625	12.331	1.095	3.279	7.447
				904	906	14.00	.500	6.996	2.400	1.689	7.447
				906	1005	14.00	.500	3.243	1.903	5.759	7.447
				906	1004	16.00	.750	13.318	2.369	3.637	7.447
						16.00	.750	6.683	2.945		

806	906	906	9	803	906	47.00	1.375	4.511	.822	5.104	7.447
				905	906	20.00	.625	11.068	5.224	3.564	7.447
				904	906	14.00	.500	6.926	3.296	3.027	7.447
				906	1005	14.00	.500	7.056	1.608	5.434	7.447
				906	1004	16.00	.750	11.919	2.850	5.661	7.447
						16.00	.750	11.626	3.327		

906	1006	906	6	803	906	47.00	1.375	.530	.471	3.943	7.447
				905	906	20.00	.625	12.393	.385	4.146	7.447
				904	906	14.00	.500	7.680	4.221	2.393	7.447
				906	1005	14.00	.500	3.600	3.282	5.987	7.447
				906	1004	16.00	.750	13.602	2.695	3.893	7.447
						16.00	.750	7.143	3.367		

906	1006	906	7	803	906	47.00	1.375	.595	.960	5.069	7.447
				905	906	20.00	.625	11.251	4.945	4.154	7.447
				904	906	14.00	.500	7.288	4.642	3.684	7.447
				906	1005	14.00	.500	6.765	3.810	5.624	7.447
				906	1004	16.00	.750	12.272	3.011	5.840	7.447
						16.00	.750	11.943	3.636		



SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER CASE NUMBER PUNCHING PUNCHING PUNCHING  
 SHEAR

906	1006	906	6	803	906	47.00	1.375	.474	.641	4.154	7.447
				905	906	20.00	.625	12.331	1.095	3.279	7.447
				904	906	14.00	.500	6.946	2.400	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	803	906	47.00	1.375	.544	1.008	5.104	7.447
				905	906	20.00	.625	11.068	5.224	3.564	7.447
				904	906	14.00	.500	6.926	3.296	3.027	7.447
				906	1005	16.00	.750	11.919	2.850	5.434	7.447
				906	1004	16.00	.750	11.628	3.527	5.661	7.447
901	1001	1001	6	1001	1002	46.00	1.250	.014	.175	2.992	7.062
				1001	1004	20.00	.625	.219	6.089	3.178	7.062
				1001	1004	20.00	.625	.358	6.339		
901	1001	1001	7	1001	1002	46.00	1.250	.366	.553	3.948	7.062
				1001	1004	20.00	.625	5.925	2.305	4.773	7.062
				1001	1004	20.00	.625	5.875	4.097		
901	1001	1001	8	1001	1002	46.00	1.250	.001	.157	2.552	7.062
				1001	1004	20.00	.625	.067	5.314	2.627	7.062
				1001	1004	20.00	.625	.043	5.496		
901	1001	1001	9	1001	1002	46.00	1.250	.352	.327	3.541	7.062
				1001	1004	20.00	.625	5.777	1.599	4.349	7.062
				1001	1004	20.00	.625	5.464	3.620		
903	1003	1003	6	1002	1003	46.00	1.250	.592	.499	6.027	7.062
				1003	1005	20.00	.625	9.300	3.200	6.539	7.062
				1003	1005	20.00	.625	9.569	4.069		
903	1003	1003	7	1002	1003	46.00	1.250	.400	.326	3.957	7.062
				1003	1005	20.00	.625	6.296	1.948	4.948	7.062
				1003	1005	20.00	.625	6.530	3.801		
903	1003	1003	8	1002	1003	46.00	1.250	.564	.488	5.605	7.062
				1003	1005	20.00	.625	8.904	2.774	6.107	7.062
				1003	1005	20.00	.625	8.947	3.790		

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

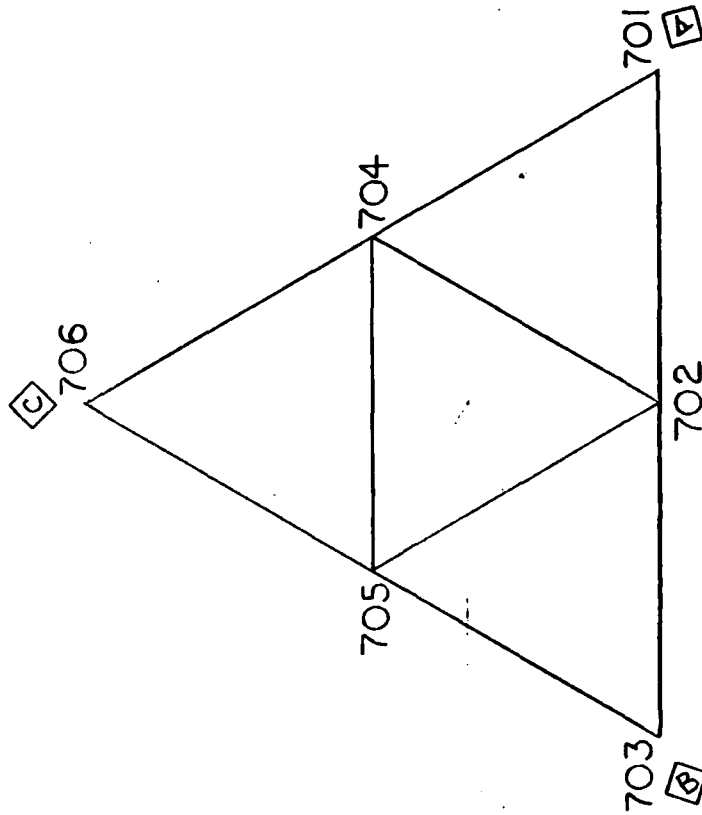
CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	AXIAL BENDING	SHEAR	ALLOWABLE PUNCHING SHEAR
903	1003	9	1002	46.00	1.250	.369	.297	7.062
			1003	20.00	.625	5.798	2.573	7.062
			1005	20.00	.625	5.858	4.029	7.062
906	1006	6	1004	46.00	1.250	.563	.521	7.062
			1005	20.00	.625	9.275	3.306	7.062
			1006	20.00	.625	8.738	3.443	7.062
906	1006	7	1004	46.00	1.250	.635	.593	7.062
			1005	20.00	.625	10.324	3.593	7.062
			1006	20.00	.625	9.967	3.468	7.062
906	1006	8	1004	46.00	1.250	.564	.512	7.062
			1005	20.00	.625	9.257	2.610	7.062
			1006	20.00	.625	8.988	3.569	7.062
906	1006	9	1004	46.00	1.250	.642	.576	7.062
			1005	20.00	.625	10.523	3.335	7.062
			1006	20.00	.625	10.185	3.313	7.062

END OF JOINT CHECK

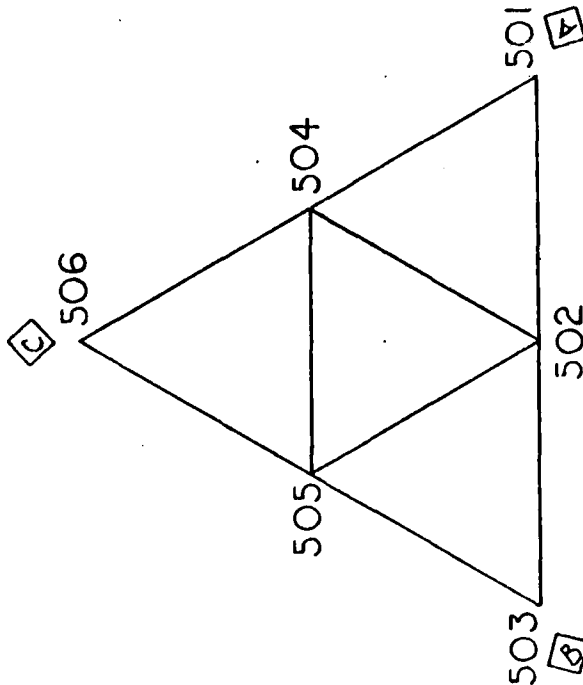
END OF RUN - SAPCHK

7.26

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. (-) 13'-0"



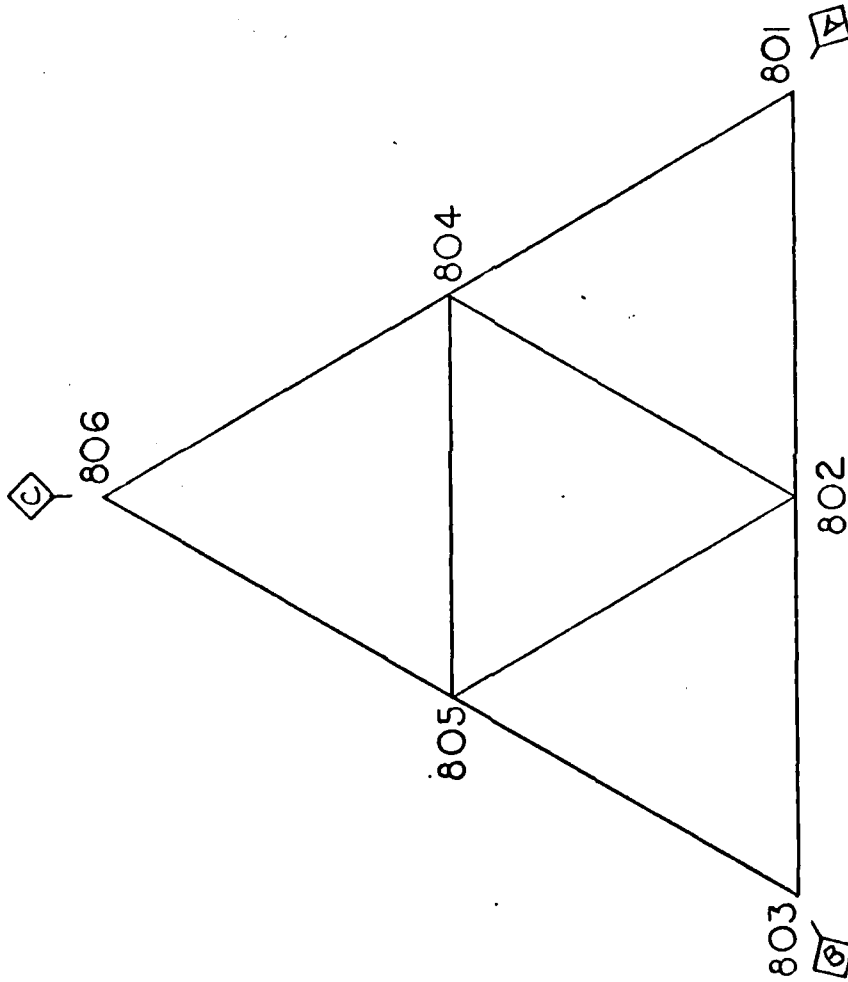
PLAN AT ELEV. (+) 12'-0"

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



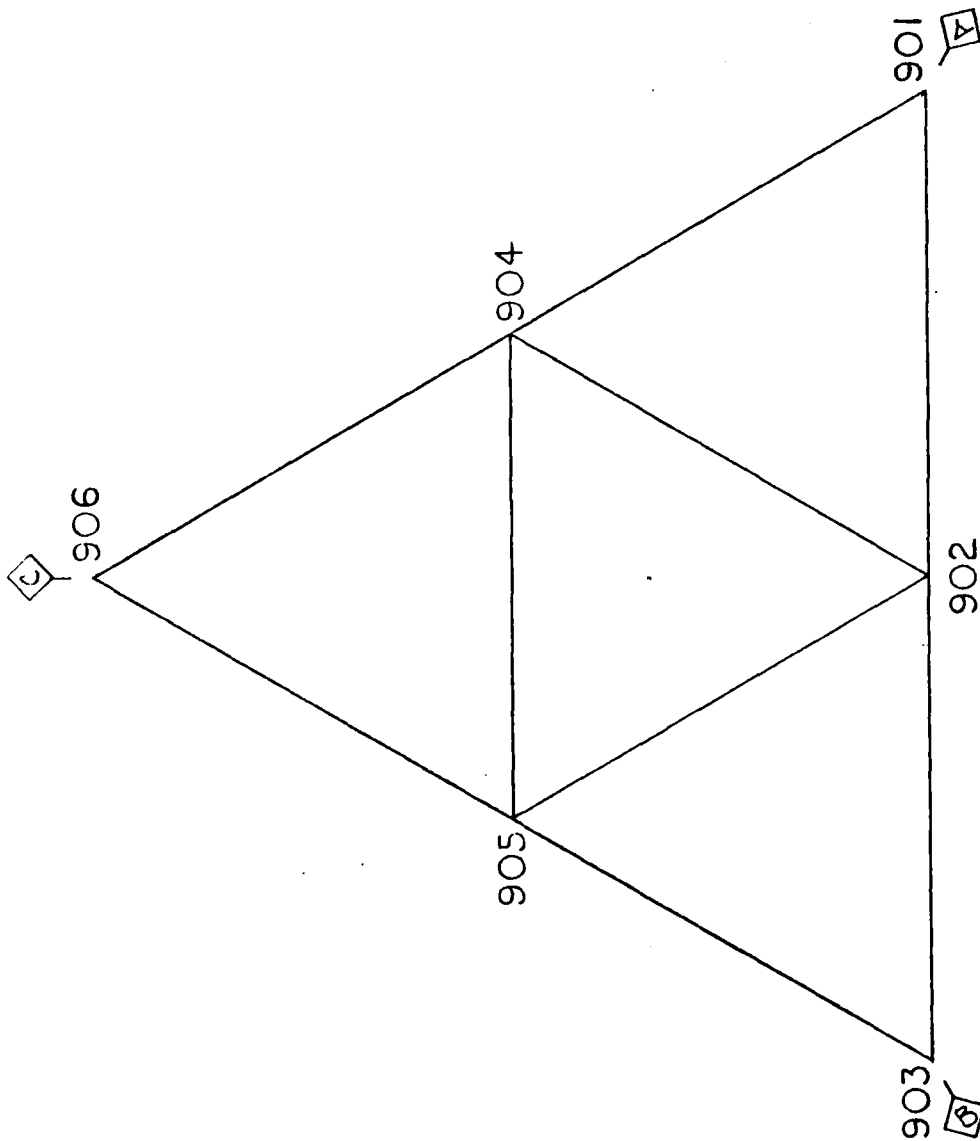
PLAN AT ELEV. (-) 39'-0"

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"

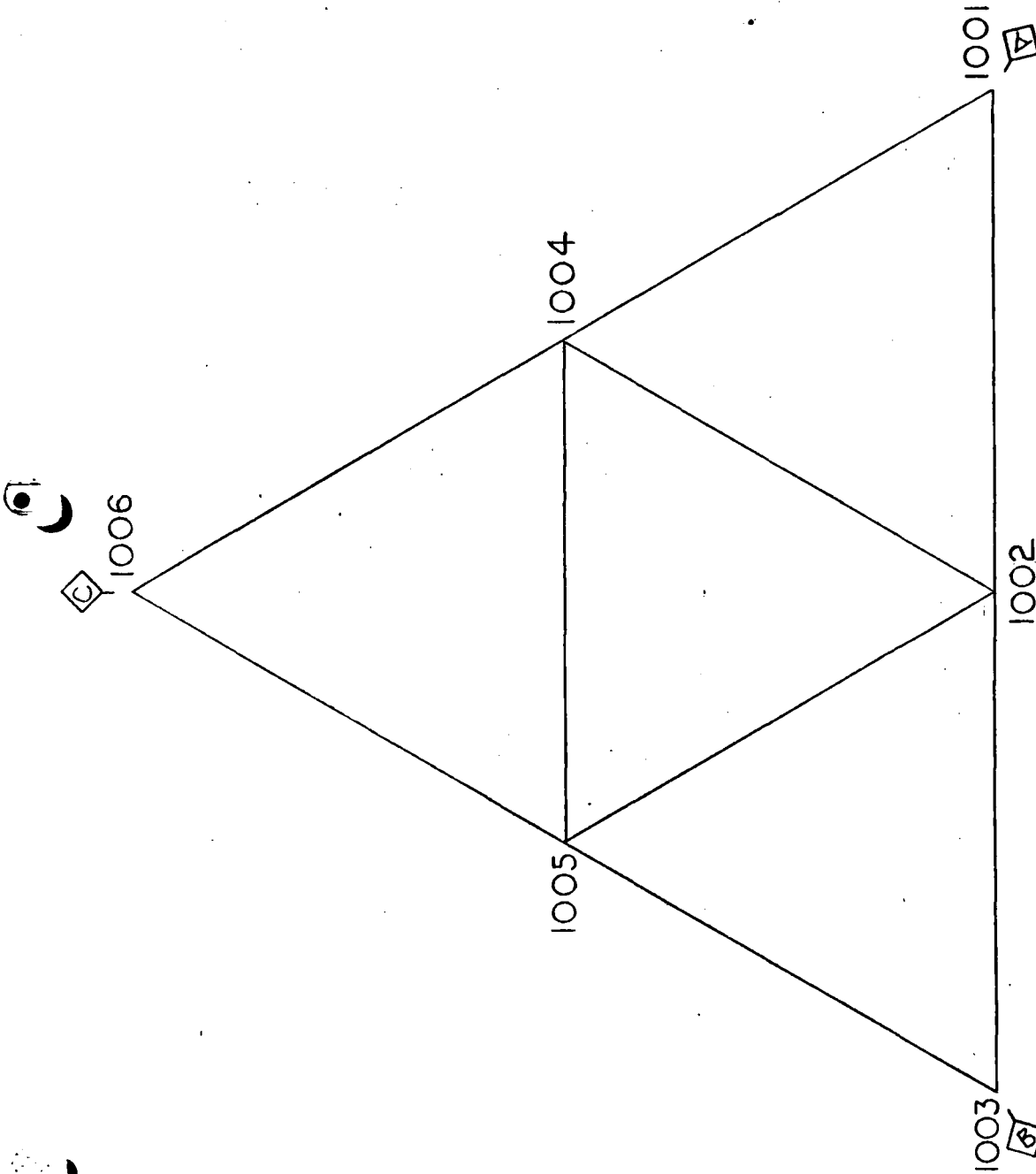
JOINT GEOMETRY — SECONDARY JOINTS

**CREST OFFSHORE, INC.**

1.30

Sheet \_\_\_\_\_ of \_\_\_\_\_

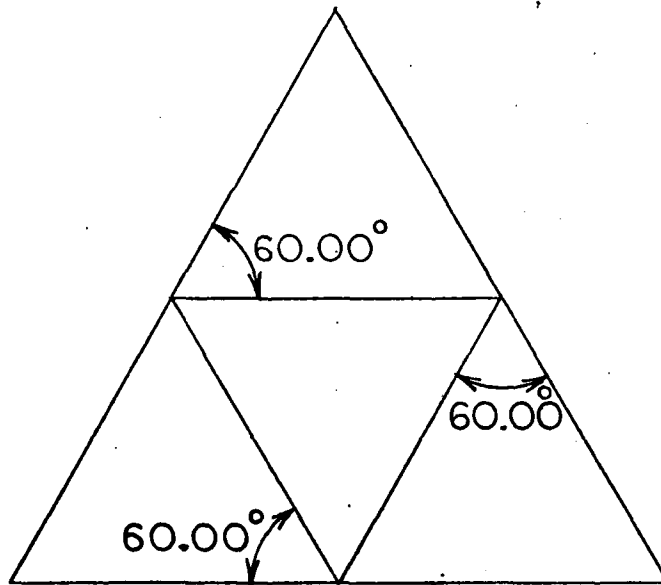
By L. Kirk Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 7-28-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS



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

JOINT GEOMETRY — SECONDARY JOINTS

By L. Kirk Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
Date 7-29-76 Job No. 27-171-95 Calculation TUBULAR JOINT ANALYSIS



TYPICAL PLAN

JOINT GEOMETRY - SECONDARY JOINTS

CREST OFFSHORE, INC.

7.25

Sheet \_\_\_ of \_\_\_

By AKG Client U.S. NAVY Subject DESIGN OF 23' MIN STRIP  
Date 9-3-76 Job No. 87-771-25 Calculation POURING - GULF CONDENS

7.5 PUNCHING SHEAR ANALYSIS - SECONDARY JOINTS



SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API GUIDE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

S.NAVY 27-771001 93 FT MLW STRUCTURE SECONDARY JOINTS

I N P U T    O U T    A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA	ANGLE	YIELD
501	502	18.000	.500	2		-0.00	36
502	504	18.750	.375	1		60.00	36
503	505	18.750	.365	1		60.00	36
504	505	18.000	.500	2		-0.00	36
505	505	18.750	.365	2		60.00	36
506	505	18.750	.365	2		60.00	36
507	504	18.750	.365	2		60.00	36
508	505	18.750	.365	1		60.00	36
701	702	18.750	.375	2		-0.00	36
702	704	18.750	.365	1		60.00	36
703	705	18.750	.365	1		60.00	36
704	705	18.750	.375	2		-0.00	36
705	705	18.750	.365	2		60.00	36
706	705	18.750	.365	2		60.00	36
707	704	18.750	.375	1		-0.00	36
708	705	18.750	.365	1		60.00	36
801	802	18.750	.375	2		-0.00	36
802	805	18.750	.365	1		60.00	36
803	805	18.750	.365	1		60.00	36
804	805	18.750	.375	2		-0.00	36
805	805	18.750	.365	2		60.00	36
806	805	18.750	.365	2		60.00	36
807	804	18.750	.375	1		-0.00	36
808	805	18.750	.365	1		60.00	36
809	805	18.750	.365	2		60.00	36
810	804	18.750	.375	1		-0.00	36
901	902	18.000	.500	2		60.00	36
902	904	18.750	.365	1		60.00	36
903	905	18.750	.365	1		60.00	36
904	904	18.000	.500	2		-0.00	36
905	904	18.750	.365	2		60.00	36
906	904	18.750	.365	2		60.00	36
907	904	18.750	.365	1		60.00	36
908	905	18.000	.500	2		-0.00	36
909	905	18.750	.365	2		60.00	36
910	904	18.750	.365	2		60.00	36
911	902	18.000	.500	2		60.00	36
912	904	18.750	.365	1		60.00	36
913	905	18.000	.500	2		-0.00	36
914	905	18.750	.365	2		60.00	36
915	904	18.750	.365	2		60.00	36
916	904	18.750	.365	1		60.00	36
917	905	18.000	.500	2		-0.00	36
918	905	18.750	.365	2		60.00	36
919	904	18.750	.365	2		60.00	36
920	904	18.750	.365	1		60.00	36
921	905	18.000	.500	2		-0.00	36
922	905	18.750	.365	2		60.00	36
923	904	18.750	.365	2		60.00	36
924	904	18.750	.365	1		60.00	36
925	905	18.000	.500	2		-0.00	36
926	905	18.750	.365	2		60.00	36
927	904	18.750	.365	2		60.00	36
928	904	18.750	.365	1		60.00	36
929	905	18.000	.500	2		-0.00	36
930	905	18.750	.365	2		60.00	36
931	904	18.750	.365	2		60.00	36
932	904	18.750	.365	1		60.00	36
933	905	18.000	.500	2		-0.00	36
934	905	18.750	.365	2		60.00	36
935	904	18.750	.365	2		60.00	36
936	904	18.750	.365	1		60.00	36
937	905	18.000	.500	2		-0.00	36
938	905	18.750	.365	2		60.00	36
939	904	18.750	.365	2		60.00	36
940	904	18.750	.365	1		60.00	36
941	905	18.000	.500	2		-0.00	36
942	905	18.750	.365	2		60.00	36
943	904	18.750	.365	2		60.00	36
944	904	18.750	.365	1		60.00	36
945	905	18.000	.500	2		-0.00	36
946	905	18.750	.365	2		60.00	36
947	904	18.750	.365	2		60.00	36
948	904	18.750	.365	1		60.00	36
949	905	18.000	.500	2		-0.00	36
950	905	18.750	.365	2		60.00	36
951	904	18.750	.365	2		60.00	36
952	904	18.750	.365	1		60.00	36
953	905	18.000	.500	2		-0.00	36
954	905	18.750	.365	2		60.00	36
955	904	18.750	.365	2		60.00	36
956	904	18.750	.365	1		60.00	36
957	905	18.000	.500	2		-0.00	36
958	905	18.750	.365	2		60.00	36
959	904	18.750	.365	2		60.00	36
960	904	18.750	.365	1		60.00	36
961	905	18.000	.500	2		-0.00	36
962	905	18.750	.365	2		60.00	36
963	904	18.750	.365	2		60.00	36
964	904	18.750	.365	1		60.00	36
965	905	18.000	.500	2		-0.00	36
966	905	18.750	.365	2		60.00	36
967	904	18.750	.365	2		60.00	36
968	904	18.750	.365	1		60.00	36
969	905	18.000	.500	2		-0.00	36
970	905	18.750	.365	2		60.00	36
971	904	18.750	.365	2		60.00	36
972	904	18.750	.365	1		60.00	36
973	905	18.000	.500	2		-0.00	36
974	905	18.750	.365	2		60.00	36
975	904	18.750	.365	2		60.00	36
976	904	18.750	.365	1		60.00	36
977	905	18.000	.500	2		-0.00	36
978	905	18.750	.365	2		60.00	36
979	904	18.750	.365	2		60.00	36
980	904	18.750	.365	1		60.00	36
981	905	18.000	.500	2		-0.00	36
982	905	18.750	.365	2		60.00	36
983	904	18.750	.365	2		60.00	36
984	904	18.750	.365	1		60.00	36
985	905	18.000	.500	2		-0.00	36
986	905	18.750	.365	2		60.00	36
987	904	18.750	.365	2		60.00	36
988	904	18.750	.365	1		60.00	36
989	905	18.000	.500	2		-0.00	36
990	905	18.750	.365	2		60.00	36
991	904	18.750	.365	2		60.00	36
992	904	18.750	.365	1		60.00	36
993	905	18.000	.500	2		-0.00	36
994	905	18.750	.365	2		60.00	36
995	904	18.750	.365	2		60.00	36
996	904	18.750	.365	1		60.00	36
997	905	18.000	.500	2		-0.00	36
998	905	18.750	.365	2		60.00	36
999	904	18.750	.365	2		60.00	36
1000	904	18.750	.365	1		60.00	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.075000E+01	3.950000E-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	1.605159E+01	5.325145E+01	3.600000E+01
LOAD					
CLASS					
4	1.350				
7	1.350				
8	1.350				
9	1.350				

210 MEASUREMENT READ = FORCE

215 RECORDS TO BE SORTED

SAPCKK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

MEMBER NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	T R E S S	AXIAL BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
501	502	502	16.00	.500	2.14A	5.842	4.052	7.914
		502	10.75	.365	.541	6.150	7.172	7.914
		502	10.75	.365	2.263	4.652		
501	502	502	16.00	.500	5.460	6.595	3.773	7.914
		502	10.75	.365	.747	5.495	4.954	7.914
		502	10.75	.365	1.533	6.695		
501	502	502	16.00	.500	.756	5.750	4.218	7.914
		502	10.75	.365	.500	6.340	7.168	7.914
		502	10.75	.365	2.256	4.684		
501	502	502	16.00	.500	7.277	6.500	3.950	7.749
		502	10.75	.365	.747	5.784	4.876	7.749
		502	10.75	.365	1.447	6.500		
503	505	505	16.00	.500	7.406	2.235	2.733	7.914
		502	10.75	.365	2.264	2.321	4.160	7.914
		504	10.75	.365	1.652	5.297		
503	505	505	16.00	.500	5.550	2.271	3.003	7.914
		502	10.75	.365	1.535	4.900	6.578	7.914
		504	10.75	.365	2.224	6.712		
503	505	505	16.00	.500	8.242	2.057	2.935	7.914
		502	10.75	.365	2.260	2.691	4.293	7.914
		504	10.75	.365	1.623	5.324		
503	505	505	16.00	.500	6.033	2.730	3.721	7.914
		502	10.75	.365	1.449	4.748	6.510	7.914
		504	10.75	.365	2.183	6.634		
504	506	504	16.00	.500	11.527	5.926	2.660	7.251
		502	10.75	.365	.541	3.001	4.600	7.251
		504	10.75	.365	1.632	6.021		
504	506	504	16.00	.500	13.456	4.620	3.109	7.002
		502	10.75	.365	.749	4.403	4.660	7.002
		504	10.75	.365	2.224	5.359		

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LUAD BRACE DIAMETER THICKNESS / - 9 T H E S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR

504	506	504	8	502	504	16.00	.500	10.651	5.669				
				504	505	10.75	.365	.580	3.440	2.430	7.407		
				504	505	10.75	.365	1.623	5.300	4.157	7.407		
504	505	504	9	502	504	16.00	.500	12.866	4.091				
				504	505	10.75	.365	.748	3.980	2.855	7.320		
				504	505	10.75	.365	2.103	4.000	4.199	7.320		
701	702	702	5	702	704	12.75	.375	4.145	7.692				
				702	705	10.75	.365	.027	.222	.201	6.880		
				702	705	10.75	.365	1.235	5.072	5.060	6.880		
701	702	702	7	702	704	12.75	.375	3.358	6.580				
				702	704	10.75	.365	.743	3.550	3.291	6.880		
				702	705	10.75	.365	.677	3.018	2.957	6.880		
701	702	702	8	702	704	12.75	.375	4.535	7.509				
				702	704	10.75	.365	.012	.819	.673	6.880		
				702	705	10.75	.365	1.233	5.074	5.060	6.880		
701	702	702	9	702	704	12.75	.375	4.180	6.160				
				702	704	10.75	.365	.756	3.480	3.394	6.880		
				702	705	10.75	.365	.661	3.075	3.000	6.880		
703	705	705	6	702	705	12.75	.375	.984	3.404				
				704	705	10.75	.365	1.238	3.488	4.151	6.880		
				704	705	10.75	.365	1.291	3.838	4.072	6.880		
703	705	705	7	702	705	12.75	.375	1.554	6.099				
				704	705	10.75	.365	.675	2.138	2.251	6.880		
				704	705	10.75	.365	1.410	5.222	5.316	6.880		
703	705	705	8	702	705	12.75	.375	1.018	3.602				
				704	705	10.75	.365	1.235	3.986	4.180	6.880		
				704	705	10.75	.365	1.208	3.784	4.026	6.880		
703	705	705	9	702	705	12.75	.375	1.683	6.291				
				704	705	10.75	.365	.659	2.124	2.228	6.880		
				704	705	10.75	.365	1.403	5.105	5.214	6.880		
704	706	704	6	702	704	12.75	.375	3.374	4.025				
				704	705	10.75	.365	.027	.865	.722	6.880		
				704	705	10.75	.365	1.291	5.415	5.349	6.880		

SAPCRK - CASE STUDY

PUNCHING SHEAR CHECK FOR

CHORD JOINT LOAD BRACE  
NUMBER NUMBER CASE NUMBER

PLA STRUCTURE SECONDARY JOINTS

E S S = / CALCULATED ALLOWABLE  
BENDING PUNCHING PUNCHING  
SHEAR SHEAR SHEAR

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	E S S	BENDING	PUNCHING	ALLOWABLE PUNCHING
704	705	704	7	12.75	2.080	2.246	8.880
				10.75	2.060	2.246	8.880
				10.75	5.584	5.931	8.880
704	705	704	8	12.75	4.294	4.116	8.880
				10.75	4.132	4.116	8.880
				10.75	5.200	5.174	8.880
704	706	704	9	12.75	1.845	2.124	8.880
				10.75	1.924	2.124	8.880
				10.75	5.197	5.290	8.880
801	802	802	6	12.75	7.340	5.272	8.880
				10.75	5.501	5.272	8.880
				10.75	4.276	4.260	8.880
801	802	802	7	12.75	9.535	2.101	8.880
				10.75	3.247	2.101	8.880
				10.75	2.724	2.809	8.880
801	802	802	8	12.75	7.551	5.237	8.880
				10.75	3.303	5.237	8.880
				10.75	4.885	4.751	8.880
801	802	802	9	12.75	8.557	3.129	8.880
				10.75	3.295	3.129	8.880
				10.75	3.173	3.002	8.880
805	805	805	6	12.75	2.619	3.602	8.880
				10.75	3.445	3.602	8.880
				10.75	3.679	3.925	8.880
805	805	805	7	12.75	7.515	5.097	8.880
				10.75	2.911	5.097	8.880
				10.75	3.550	5.240	8.880
805	805	805	8	12.75	2.797	5.702	8.880
				10.75	2.973	5.702	8.880
				10.75	3.874	5.749	8.880
805	805	805	9	12.75	5.833	2.880	8.880
				10.75	2.805	2.880	8.880
				10.75	3.858	5.240	8.880

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR S.NAVY 27-771-01 93-FI DLA STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	WPAFE NUMBER	DIAMETER	THICKNESS /	AXIAL	HEADING	PUNCHING SHEAR	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
804	800	804	6	12.75	.375	4.943	4.063			6.880
				10.75	.365	.046	.743	.638		6.880
				10.75	.365	1.014	5.212	5.004		6.880
804	805	804	7	12.75	.375	4.739	2.149			6.880
				10.75	.355	.570	1.495	2.053		6.880
				10.75	.365	1.175	5.045	4.945		6.880
904	902	904	8	12.75	.375	4.454	4.624			6.880
				10.75	.365	.043	.285	.264		6.880
				10.75	.365	1.004	4.811	4.671		6.880
804	806	804	9	12.75	.375	4.771	2.084			6.880
				10.75	.365	.561	1.694	1.955		6.880
				10.75	.355	1.166	4.422	4.425		6.880
901	902	902	6	14.00	.500	5.506	4.722			9.341
				10.75	.385	.079	.770	.514		9.341
				10.75	.365	.944	6.250	4.374		9.341
901	902	902	7	14.00	.500	1.959	4.470			9.341
				10.75	.365	.492	2.642	1.890		9.341
				10.75	.365	.604	3.632	2.555		9.341
901	902	902	8	14.00	.500	5.019	4.710			9.341
				10.75	.365	.070	1.016	.659		9.341
				10.75	.365	.991	6.171	4.323		9.341
901	902	902	9	14.00	.500	1.106	4.440			9.341
				10.75	.365	.487	2.443	2.070		9.341
				10.75	.365	.542	3.401	2.531		9.341
901	904	904	6	14.00	.500	3.239	5.514			9.341
				10.75	.365	.079	.449	.623		9.341
				10.75	.365	.915	5.376	3.796		9.341
901	904	904	7	14.00	.500	6.124	4.564			9.341
				10.75	.365	.491	2.300	1.885		9.341
				10.75	.355	1.084	5.114	3.735		9.341
901	904	904	8	14.00	.500	2.891	5.299			9.341
				10.75	.365	.070	.542	.260		9.341
				10.75	.365	.910	4.896	3.502		9.341

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CNDID NUMBER	JOINT NUMBER	LOAD CASE	DIAMETER	THICKNESS	/ = - S T R E S S - /			ALLOWABLE	
					AXIAL	BENDING	PUNCHING		
								PUNCHING	SHEAR
901	904	904	14.00	.500	6.450	4.510			
		902	10.75	.365	4.085	2.123	1.570	9.341	
		904	10.75	.365	1.002	4.731	3.250	9.341	
905	906	905	14.00	.500	7.660	2.083			
		902	10.75	.365	4.997	3.162	2.496	9.341	
		904	10.75	.365	4.915	3.072	2.862	9.341	
905	906	905	14.00	.500	7.286	1.205			
		902	10.75	.365	4.603	2.170	1.667	9.341	
		904	10.75	.365	1.088	5.072	4.198	9.341	
905	906	905	14.00	.500	6.995	2.772			
		902	10.75	.365	4.908	3.494	2.693	9.341	
		904	10.75	.365	4.910	3.043	2.861	9.341	
905	906	905	14.00	.500	6.924	4.908			
		902	10.75	.365	4.591	2.292	1.734	9.341	
		904	10.75	.365	1.002	5.776	4.156	9.341	
1001	1002	1002	24.00	.875	1.131	4.873			
		901	10.00	.750	6.707	2.786	4.863	8.816	
		1002	10.00	.375	4.009	4.072	1.692	8.733	
1001	1002	1002	24.00	.875	3.506	4.520			
		901	10.00	.750	4.253	2.981	1.744	8.816	
		1002	10.00	.375	4.397	3.064	1.443	8.733	
1001	1002	1002	24.00	.875	4.040	4.050			
		901	10.00	.750	6.610	2.594	4.710	8.816	
		1002	10.00	.375	4.017	4.069	1.059	8.733	
1001	1002	1002	24.00	.875	3.457	4.581			
		901	10.00	.750	4.011	2.924	1.593	8.816	
		1002	10.00	.375	4.451	3.183	1.289	8.733	
1002	1003	1002	24.00	.875	5.602	4.168			
		903	10.00	.750	6.782	2.271	4.621	8.816	
		1002	10.00	.375	4.774	3.020	1.626	8.733	
1002	1003	1002	24.00	.875	3.768	4.441			
		903	10.00	.750	4.308	2.254	1.377	8.816	
		1002	10.00	.375	4.397	4.443	1.721	8.733	

SAPCON - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S - / CALCULATED ALLOWABLE  
NUMBER CASE NUMBER AXIAL BENDING PUNCHING SHEAR PUNCHING SHEAR

1002	1003	1002	8	403	1002	24.00	.875	5.328	.315	4.669	8.816	8.733
				1002	1005	16.00	.750	6.651	2.479	1.417	8.816	8.733
						14.00	.575	5.250				
1002	1003	1002	9	903	1002	24.00	.875	3.470	.607	1.211	8.816	8.733
				1002	1005	16.00	.750	.026	2.206	1.588	8.816	8.733
						14.00	.575	.445	4.026			
1003	1005	1005	6	903	1005	24.00	.875	5.727	1.002	7.428	8.816	8.733
				1002	1005	16.00	.750	13.553	1.206	1.796	8.816	8.733
						14.00	.575	.777	1.496			
1003	1005	1005	7	903	1005	24.00	.875	3.904	.972	7.014	8.816	8.733
				1002	1005	16.00	.750	12.216	1.677	1.218	8.816	8.733
						14.00	.575	.392	3.039			
1003	1005	1005	8	903	1005	24.00	.875	5.354	1.002	7.509	8.816	8.733
				1002	1005	16.00	.750	13.254	1.826	.885	8.816	8.733
						14.00	.575	.756	1.766			
1003	1005	1005	9	903	1005	24.00	.875	3.506	1.023	6.992	8.816	8.733
				1002	1005	16.00	.750	11.846	1.976	1.402	8.816	8.733
						14.00	.575	.450	3.499			
1005	1006	1005	6	906	1005	24.00	.875	5.229	.433	8.413	8.816	8.733
				1004	1005	16.00	.750	13.591	2.948	.695	8.816	8.733
						14.00	.575	.741	1.427			
1005	1006	1005	7	906	1005	24.00	.875	5.965	.413	7.710	8.816	8.733
				1004	1005	16.00	.750	12.264	2.914	.753	8.816	8.733
						14.00	.575	.848	1.507			
1005	1006	1005	8	906	1005	24.00	.875	5.379	.360	8.016	8.816	8.733
				1004	1005	16.00	.750	13.327	2.500	.524	8.816	8.733
						14.00	.575	.723	.784			
1005	1006	1005	9	906	1005	24.00	.875	6.096	.508	7.326	8.816	8.733
				1004	1005	16.00	.750	11.928	2.516	.900	8.816	8.733
						14.00	.575	.865	1.702			
1001	1004	1004	6	901	1004	24.00	.875	.214	1.014	4.780	8.816	8.733
				1002	1004	16.00	.750	7.150	2.223	1.655	8.816	8.733
						14.00	.575	.069	4.569			



SAPCA - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S, NAVY 27-171-01 93 FILLM STRUCTURE SECONDARY JOINTS

GROUP JOINT LOAD BRACE DIAMETER THICKNESS / - S T H E S S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR SHEAR

1001	1004	1004	7	901	1004	24.00	.875	3.516	.839	7.321	8.816
				1002	1004	16.00	.750	12.037	2.400	1.205	8.733
						14.00	.375	.392	3.004		
1001	1004	1004	8	901	1004	24.00	.875	.026	.830	4.768	8.816
				1002	1004	16.00	.750	6.879	2.853	1.681	8.733
						14.00	.375	.017	4.690		
1001	1004	1004	9	901	1004	24.00	.875	3.270	.576	7.420	8.816
				1002	1004	16.00	.750	11.855	2.756	1.315	8.733
						14.00	.375	.455	3.252		
1004	1006	1004	6	906	1004	24.00	.875	5.551	.574	5.029	8.816
				1004	1005	16.00	.750	7.153	2.700	1.138	8.733
						14.00	.375	.741	2.488		
1004	1006	1004	7	906	1004	24.00	.875	6.178	.945	7.132	8.816
				1004	1005	16.00	.750	11.984	2.107	.600	8.733
						14.00	.375	.848	.876		
1004	1006	1004	8	1004	1005	24.00	.875	5.540	.482	4.857	8.816
				1004	1005	16.00	.750	6.842	2.604	1.163	8.733
						14.00	.375	.723	2.574		
1004	1006	1004	9	906	1004	24.00	.875	6.248	.852	6.916	8.816
				1004	1005	16.00	.750	11.236	1.845	.529	8.733
						14.00	.375	.865	.864		

END OF JOINT CHECK

END OF RUN - SAPCA

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  $\tau = 15.8$  ksi or  $f = 11.2\omega$  kips/inch.

### Reference Drawings:

3016295 Jacket - Pile Shims and Leg Connection

By L. Kirk Client U.S. Navy Subject DESIGN OF 93' MLW STRUCTURE  
 Date 8-2-76 Job No. 27-771- Calculation TILE-JACKET CONNECTION

JACKET LOADS

50YR. STORM

JACKET MEMBER	LOAD CONDITION	P (KIPS)	M <sub>Y</sub> (IN.-KIPS)	M <sub>Z</sub> (IN.-KIPS)	M <sub>R</sub> (IN.-KIPS)	M <sub>R/42.2</sub> (KIPS)	P/6 (KIPS)	TOTAL LOAD (KIPS)
401-501	6	-41.83	2025.24	21969.91	22063.11	262.64	+6.97	269.63
	7	-1057.54	3517.46	17892.95	18235.44	217.09	+176.26	393.35
	8	185.93	-2573.55	-20769.15	20905.32	248.87	30.95	279.86
	9	1212.99	-3760.52	-16663.96	17282.97	203.37	202.17	405.53
403-503	6	-1757.42	2135.41	-11438.52	11336.21	132.52	+672.91	431.44
	7	-1101.96	3151.56	-17233.43	13003.21	216.77	+183.64	400.43
	8	1835.67	-2745.6	12445.12	12744.48	151.72	314.22	466.0
	9	1189.25	-2444.02	17156.02	17282.65	244.15	192.32	412.48
405-505	6	2005.73	-6189.6	-1583.77	6339.21	76.06	334.27	410.35
	7	2343.36	-7524.12	2326.62	7256.03	94.71	520.51	485.27
	8	-1923.57	5221.73	2770.75	6519.73	77.62	+317.26	394.88
	9	-2213.74	6706.93	-2132.01	7037.03	33.77	+363.92	452.73

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

By ADP Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE  
 Date 8-5-26 Job No. 27-271-25 Calculation PILE JACKET CONNECTION

Sheet \_\_\_ of \_\_\_

### WIDTH OF SHIM

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

USE: 6 ~ 1"  $\phi$  x 19.75" WIDE

### 8.3 CHECK JACKET TO SHIM

$$\text{EFFECTIVE WELD} = 1.75 - 0.0625 = 1.6875$$

$$\text{ALLOWABLE LOAD} = 15.8(0.70711)(1.6875) = 18.85$$

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

### 8.4 CHECK SHIM TO PILE

$$\text{SHIM PLATE} = 1.0 \text{ THICK}$$

$$\text{MAXIMUM WELD} = 1.0 - 0.0625 = 0.9375$$

$$\text{ALLOWABLE LOAD} = 15.8(0.70711)(0.9375) = 10.47$$

$$\text{LENGTH OF SHIM REQD.} = \frac{485.27}{10.47(2)} = 23.16$$

### 8.5 CHECK SHIM STRESS

$$\text{SHIM AREA} = 19.75 \text{ } ^2$$

$$\sigma = \frac{P}{A} = \frac{485.27}{19.75} = 24.56 < 36 \times 0.6 \times 1.33 = 28.7 \text{ } \checkmark$$

### 8.6 CHECK JACKET STRESS

$$\text{JACKET EFFECTIVE AREA} = 19.75 \times 1.6875 = 33.33$$

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

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

By ADK Client U.S. NAVY Subject DESIGN OF 93' WALL STEEL  
Date 8-23-76 Job No. 27-771-95 Calculation PILE ANALYSIS

## 9.2 PILE SUMMARY

SITE #?

### Pile Axial Loads

Maximum Compressive Load 2914<sup>k</sup>

Maximum Tension Load 1985.07<sup>k</sup>

### 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 jettion and driving procedure should the need arise. No insert piling should be required.



By ADD Client U.S. NAVY Subject DESIGN OF 23' HIGH STRUCTURE  
 Date 7-3-76 Job No. 27-271-25 Calculation PILE ANALYSIS

9.3 PILE LOADS

Maximum Computer Compressive Force = 2658.99  
 (Ref. Reactions, Id. Ca. #7, Section 6.5, p.6.25)

Weight of piling below Modline

$$\begin{aligned} 42'' \times 2.0 &= 200' \times 0.854 \text{ k/ft} = 170.8 \\ 42'' \times 2.375 &= 75' \times 1.002 \text{ k/ft} = 75.2 \\ \text{Splice Points} &= 32' \times 0.276 \text{ k/ft} = \frac{9 \text{ k}}{255 \text{ k}} \end{aligned}$$

Total Maximum Compressive Pile Load = 2914 k

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

Weight of Piling below Modline = 255.0

Live Load on Decks

$$\begin{aligned} \text{Upper Deck} &= 0.42 \text{ k/ft} \times 29 \text{ ft} = 12 \text{ k} \\ \text{Equipment Deck} &= (1.5 \text{ k/ft})(14.5 \text{ ft}) + (0.63 \text{ k/ft})(14.5 \text{ ft}) = \frac{31}{43 \text{ k}} \end{aligned}$$

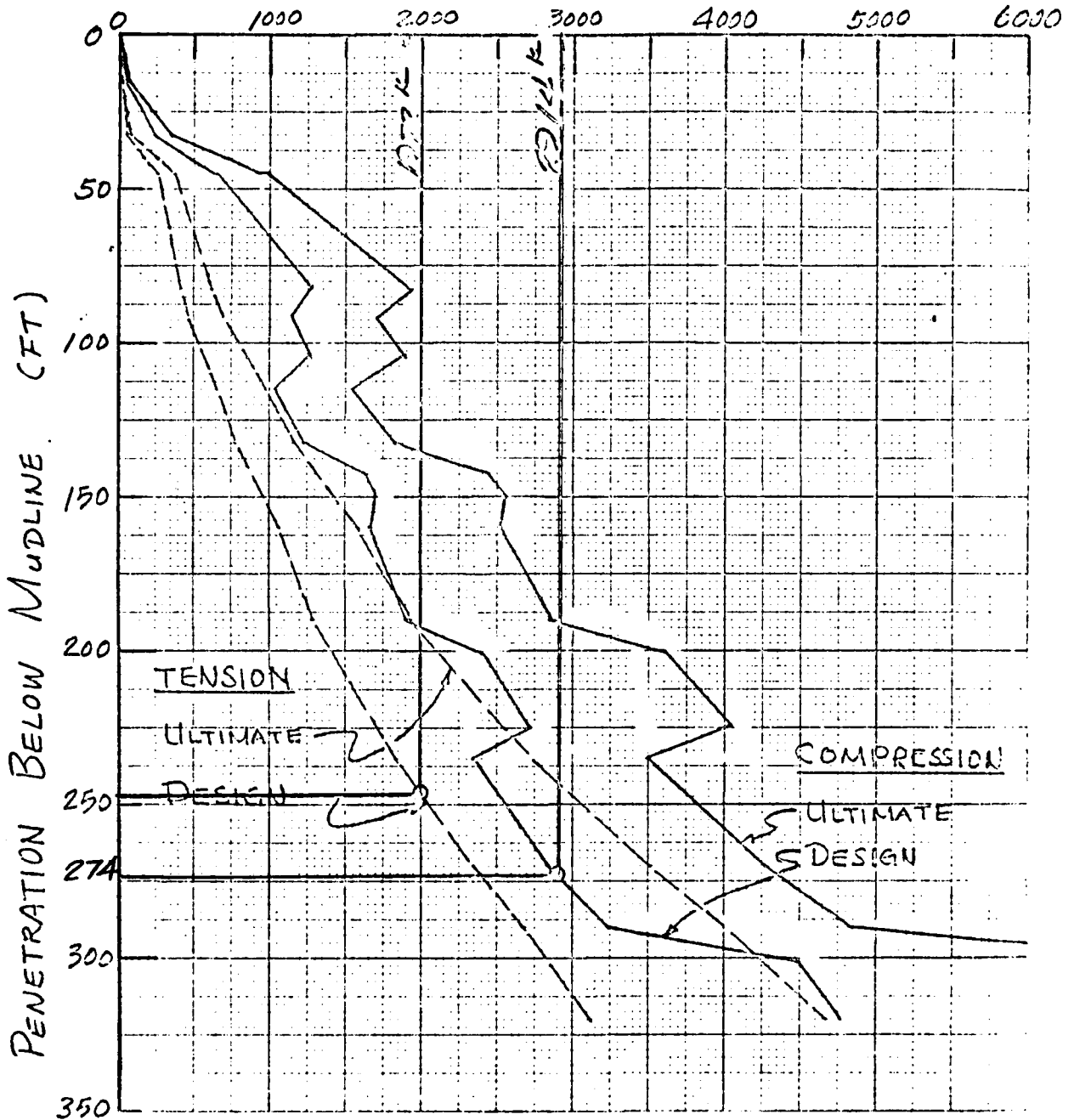
Total Maximum Tension Pile Load

$$2184 - 255 + 43 = \underline{1972 \text{ k}}$$

By C. Chern Client U.S. NAVY Subject Foundation Analysis  
Date 6-1-76 Job No. 27-771-97 Calculation Pile Capacity Curves

9.4 PILE CAPACITY CURVE

PILE CAPACITY (KIPS)



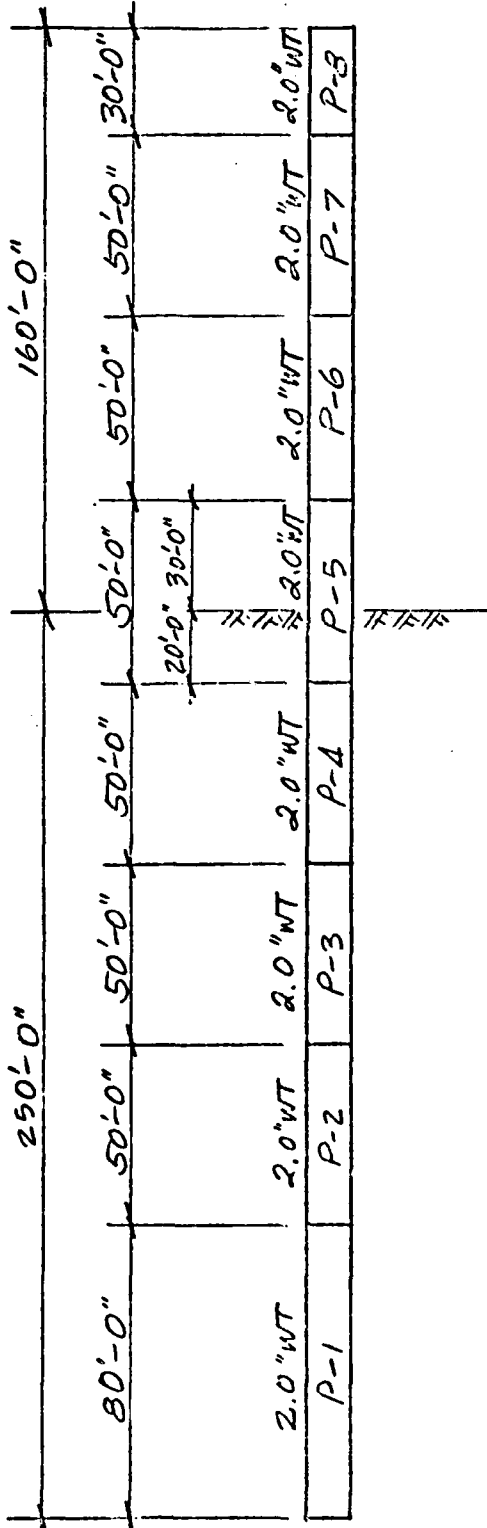
42-IN. DIAMETER PIPE PILES  
(Boring #2)

By C. Clem Client U.S. NAVY Subject Foundation Analysis  
 Date 6-25-76 Job No. 27-771-97 Calculation Pile Driving Resistance Curves

9.5 DRIVING RESISTANCE CURVES

MLW = 93<sup>FT</sup>

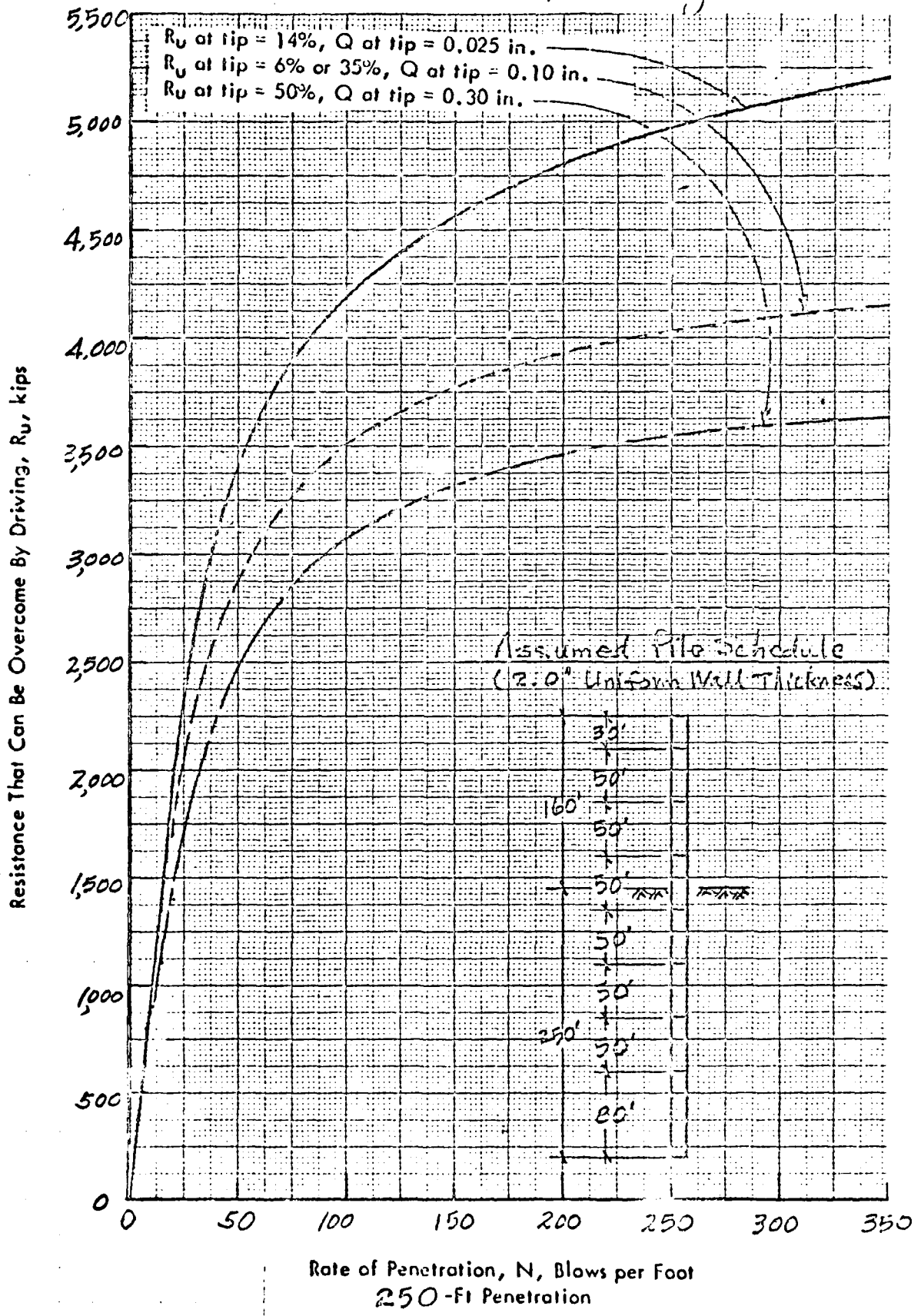
250 FT Penetration



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

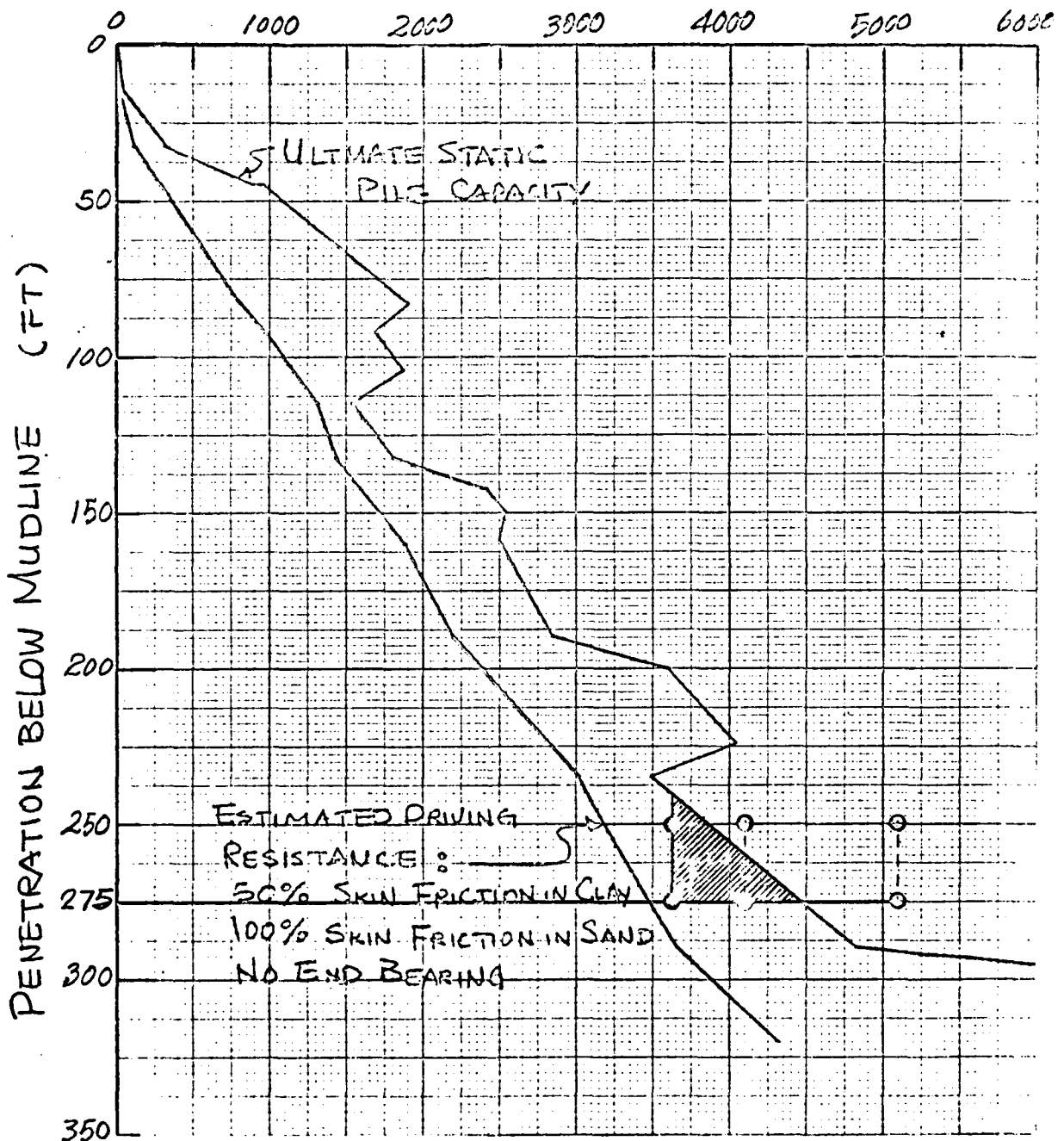
Spring Constant =  $6.2 \times 10^6$  lbs/in.  
 Damping Factor, side & tip, J = 0.15  
 Quake Factor, side, Q = 0.10  
 Quake Factor, tip, - See Above

By C. Chern Client U.S. NAVY Subject Foundation Analysis  
 Date 6-23-76 Job No. 27-271-01 Calculation Pile Driving Resistance Curves



By G. 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

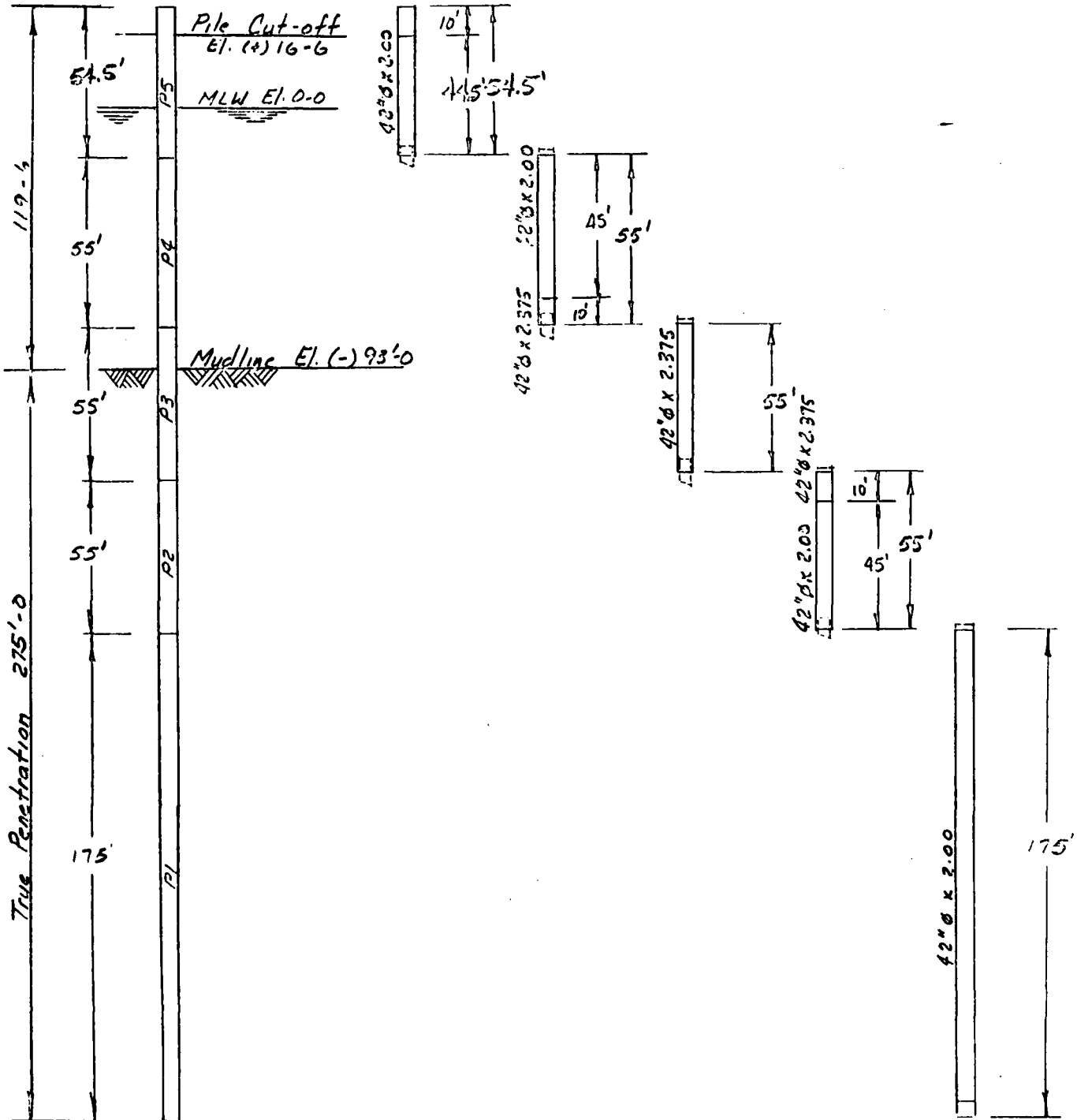
(Boring #2)

42-IN DIAMETER PIPE PILES

By J. Tolbot Client U.S. Navy Subject Design of 93' MLW Structure  
 Date 8-23-76 Job No. 27-771-95 Calculation Pile Analysis

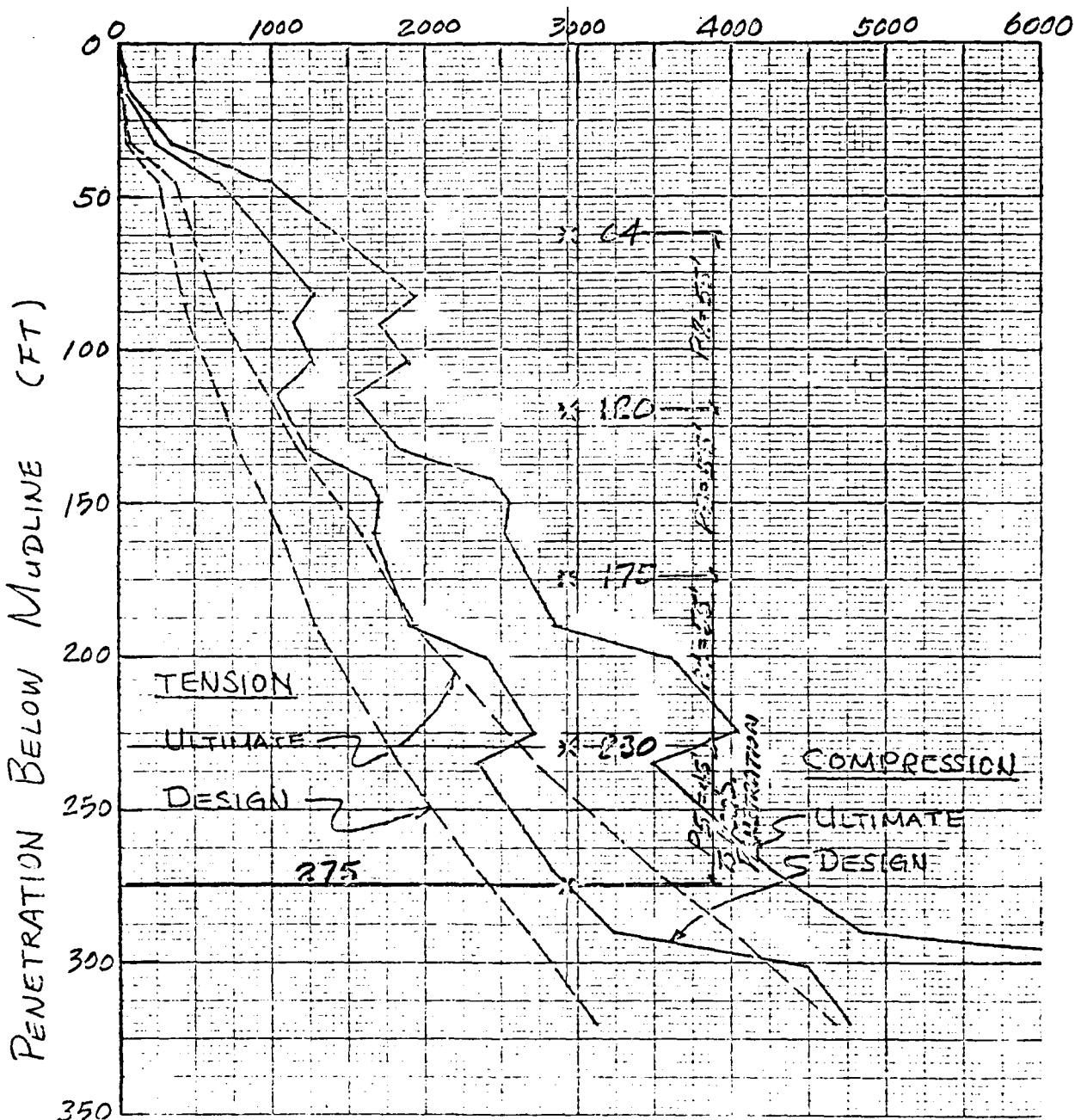
9.6 PILE SCHEDULE

Site #2



By C. Chern Client U.S. NAVY Subject Foundation Analysis  
Date 6-1-76 Job No. 27-771-97 Calculation Pipe Pile Capacity Curves

PILE CAPACITY (KIPS)



42-IN. DIAMETER PIPE PILES  
(Boring #2)

By J. Talbot Client U.S. Navy Subject Design of 93' MLV Structure  
 Date 8-23-76 Job No. 27-771-96 Calculation Pile Analysis

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"x2.375") = 0.084 K/in

Assume L = 57 ft. = 684 in

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

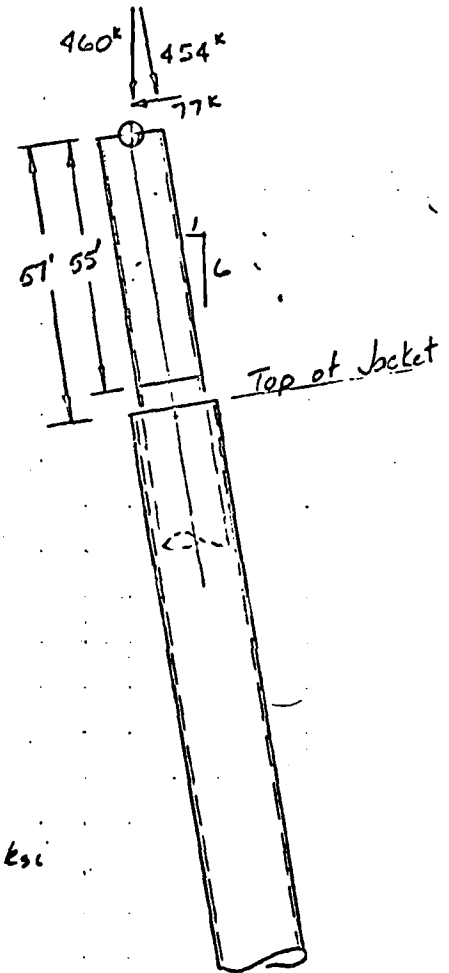
$$f_{b\text{piling}} = \frac{wl^2}{2S} = \frac{0.014\text{K/in} (684\text{in})^2}{2 \times 2400\text{in}^3} = 1.4\text{ ksi}$$

$$f_{b\text{total}} = 23.4\text{ ksi}$$

$$f_{a\text{total}} = \frac{454K}{251\text{in}^2} + \frac{0.084\text{K/in} (684)}{251\text{in}^2} = 2.0\text{ ksi}$$

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

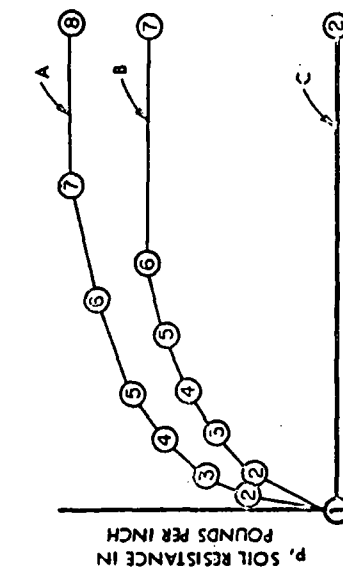
OK





**42-IN. DIAMETER PIPE PILES**  
Coordinates of Curve Points

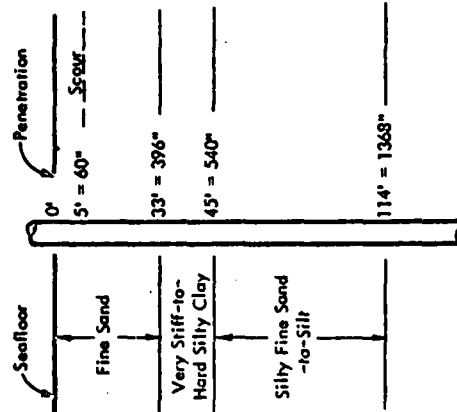
Penetration, Inches	Typical Curve	Y1	P1	Y2	P2	Y3	P3	Y4	P4	Y5	P5	Y6	P6	Y7	P7	Y8	P8	Y9	P9
0 & 60	C	0	0	20.00	0														
96	A	0	0	0.049	107	0.12	129	0.27	153	0.43	169	0.70	188	1.58	237	20.00	237		
168	A	0	0	0.006	366	0.11	611	0.26	906	0.42	1135	0.70	1440	1.59	2274	20.00	2274		
288	A	0	0	0.069	1204	0.14	1681	0.28	2347	0.43	2896	0.70	3544	1.59	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	5002	2.52	7075	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	14040	1.53	22454	20.00	22454		
1081	A	0	0	0.023	1499	0.093	3003	0.25	4689	0.41	5703	0.70	705	1.53	12279	20.00	12279		
1140	A	0	0	0.023	1581	0.098	3167	0.25	4945	0.41	6314	0.70	1125	1.53	13001	20.00	13001		
1368	A	0	0	0.022	1839	0.097	3728	0.25	5833	0.41	7452	0.70	9594	1.53	15350	20.00	15350		



Y, DEFLECTION IN INCHES

TYPICAL CURVES

**P-Y DATA**  
BORING 2



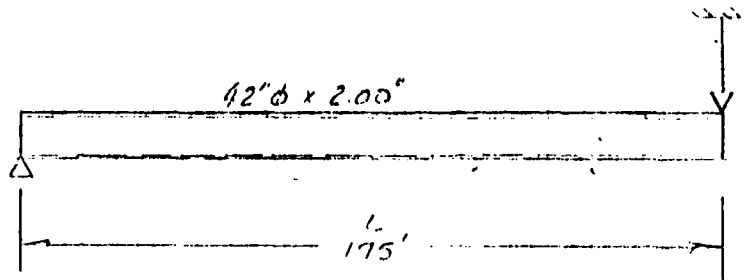
STRATIGRAPHY ASSUMED FOR P-Y DATA

CREST OFFSHORE, INC.

Sheet \_\_\_ of \_\_\_

By J. Talbot Client U.S. Navy Subject Design of 23' M.H. Structure  
Date 8-23-76 Job No. 27-77-96 Calculation Pile Analysis

Check Maximum Length of Pile for Pick-up -



42"  $\phi$  x 2.00" -  $w = 0.854 \text{ k/ft}$

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

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

$$16.3 \text{ ksi} < 21.6 \text{ ksi} \therefore \text{OK}$$

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

By [Signature] Client U.S. Navy Subject DESIGN OF 28' MIN STEEL  
 Date 9-1-76 Job No. 27-271-92 Calculation INSTALLATION ANALYSIS

10.2 SOIL PRESSURE ON STRUCTURE

WEIGHT OF JACKET = 352.86<sup>k</sup>

WEIGHT OF 1 PILE (163') = 139.2<sup>k</sup>

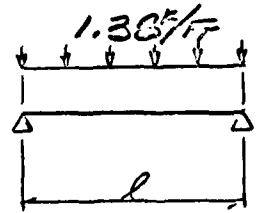
BUOYANT HEIGHT OF JACKET = 153.61<sup>k</sup>

WEIGHT = 352.86 + 139.2 - 153.61 = 338.45<sup>k</sup>

BEARING AREA OF BRACES = 58917.6<sup>in<sup>2</sup></sup>

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

CHECK BENDING STRESS IN BRACES

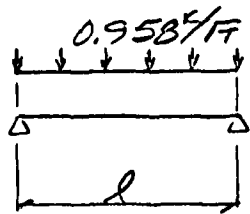


BRACE: 20"  $\phi$  x 0.625 WALL  
 $l = 30.3073'$

$W = 1.38 \times 30.3073' = 41.82^k$

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

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



BRACE: 14"  $\phi$  x 0.375 WALL  
 $l = 30.3073'$

$W = 0.958 \times 30.3073' = 29.02^k$

$M_{MAX} = \frac{Wl}{8} = 109.95^k$

FIXED ENDS  $M_{MAX} = \frac{Wl}{12} = 73.3^k$

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

CREST OFFSHORE, INC.

10.03

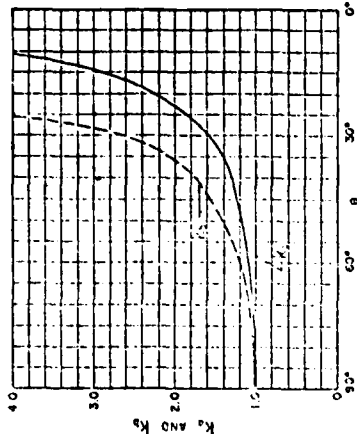
Sheet \_\_\_ of \_\_\_

By SFB Client U.S. NAVY Subject DESIGN OF 23' MLL STRUCTURE  
Date 7-1-76 Job No. 27-771-95 Calculation INSTABILITY ANALYSIS

CHECK BENDING STRESS IN BRACES CONTD.

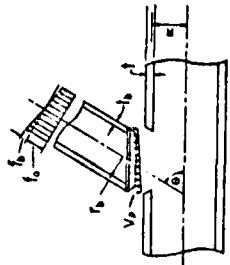
$$\text{BRACE STRESS} = \frac{73.3 \times 12}{53.2} = 16.53 \text{ KSI (FIXED)}$$

By FRB Client A.S. Navy Subject DESIGN OF 23' HULL STRUCTURE  
 Date 2-1-76 Job No. 22-771-95 Calculation INSTALLATION ANALYSIS



RELATIVE LENGTH AND SECTION FACTORS FOR NONCIRCULAR INTERSECTION CURVE

$Q_1$  is a design factor for the brace to chord diameter ratio,  $\beta$ .  
 $Q_1 = 1.0$  for  $\beta \leq 0.6$ .  
 $Q_1 = \frac{0.3}{\beta(1-833\beta)}$  for  $\beta > 0.6$ .  
 $Q_2$  is a design factor for the presence of axial load in the chord.  
 $Q_2 = 1.0$  for  $A \leq 0.44$ .  
 $Q_2 = 1.22 - 0.5A$  for  $A > 0.44$ .  
 Where  $A$  is the AISC ratio for the chord, i.e.  
 $A = \frac{(L_1 + L_2)}{0.6 F_y}$  ( $\frac{1}{2}$  increase applicable to denominator)



$V_r = Q_1 Q_2 \frac{F_y}{0.9 \gamma}$  (plus  $\frac{1}{2}$  increase where applicable) ... (23)

Where  $F_y$  = the yield strength of the chord member at the joint (or  $\frac{1}{2}$  the tensile strength if less)  
 $\gamma = R/t$ , the chord radius divided by the chord thickness.

GIVEN THE JOINT GEOMETRY AS DEFINED BY  $T, \theta, R$  AND  $\beta$  AS WELL AS BRACE STRESSES  $f_a$  AND  $f_b$ , THE FOLLOWING MAY BE USED TO DETERMINE THE CALCULATED PUNCHING SHEAR  $V_p$ :

$V_p = T \left( \sin \theta \frac{f_a}{K_a} + \frac{f_b}{K_b} \right)$

Jt.	BRACE		CHORD		GEOMETRY PARAMETERS			PUNCHING SHEAR PARAMETERS				ALLOWABLE PARAMETER		RESULTS	
	Member Size	$f_a$ (ksi)	Member Size	U.C.	$T$	$\theta$	$\gamma$	$R/t$	$\beta$	$K_a$	$K_b$	$Q_1$	$Q_2$	$Q_3$	$V_p$
	H2X0.375	1.55	24X0.875	—	0.122	0.839	13.21	60.0	1.1	1.2	1.0	1.0	1.0	6.57	6.57
	16X0.75	1.40	24X0.875	—	0.357	0.655	13.21	46.2	1.233	1.53	1.0	1.0	1.0	0.80	0.80

By J. Talbot Client U.S. Navy Subject Design of 23' MLV Structure  
 Date 8-17-76 Job No. 27-771-25 Calculation LIFTING EYE ANALYSIS

10.3 Lifting Eyes - Jacket

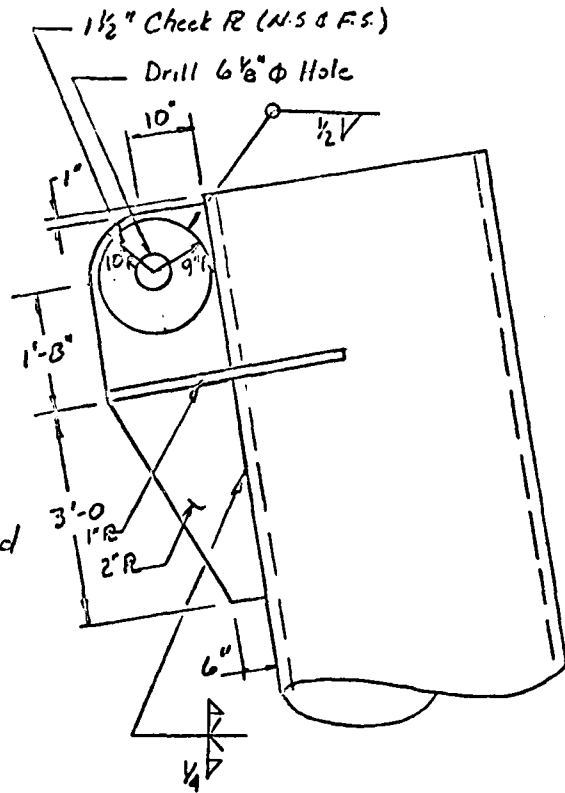
Vertical Lift

Weight of Jacket = 380k  
 (excluding boot 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  $\theta = 60^\circ$  for maximum load

$\therefore$  Max  $P = 880^k$  at  $\theta = 60^\circ$



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' M.M. Structure  
 Date 8-17-76 Job No. 27-771-95 Calculation LIFTING EYE ANALYSIS

Lifting Eyes - JacketVertical LiftCheck Bearing on Plate

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

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

$$29.3 < 32.4$$

Check Pin Shearing Through Plates

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

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

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

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

$$13.8 < 19.2$$

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

Lifting Eyes - Jacket

Vertical Lift

Check Tension Through Lift Eye

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

$$A = 64 \text{ in}^2$$

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

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

$$13.8 < 28.7$$

Check Combined Bending and Tension

$$\text{Shear Force} = 760 \text{ k}$$

$$\text{Tension Force} = 760 \text{ k} \text{ (Conservative)}$$

$$M_E = 760 \text{ k} \times 20'' - 760 \text{ k} \times 10'' = 7600 \text{ in-k}$$

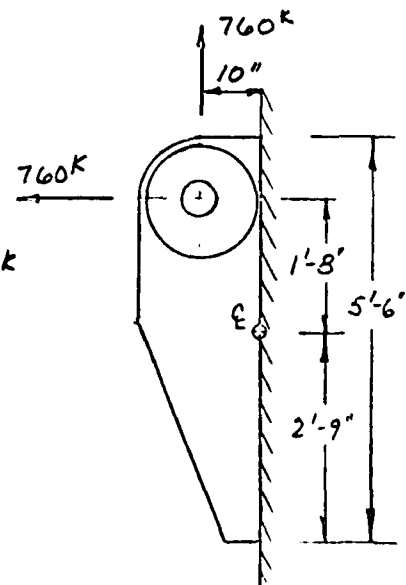
$$f_s = \frac{760 \text{ k}}{(66'')(2'')} = 5.8 \text{ ksi}$$

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

Using Mohr's Circle,

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

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



By J. Talbot Client U.S. Navy Subject Design of 25 MW 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 Check Plates

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

$$P_{\text{shear}} = 880 \text{ k} \times 0.30 = 264 \text{ k}$$

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

$$w = \frac{4.7}{11.2} = 0.42 \text{ in}$$

Use  $\frac{1}{2}$ " fillet weld

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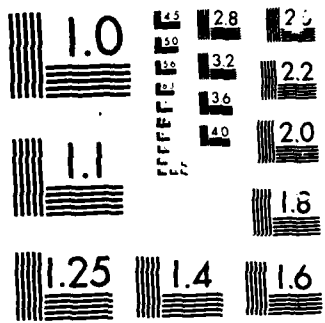
10.03

Sheet \_\_\_ of \_\_\_

By SPC Client U.S. NAVY Subject DESIGN OF 93' MW STRUCTURE  
Date 9-3-76 Job No. 87-721-95 Calculation LIFT ANALYSIS

10.4 LIFT ANALYSIS





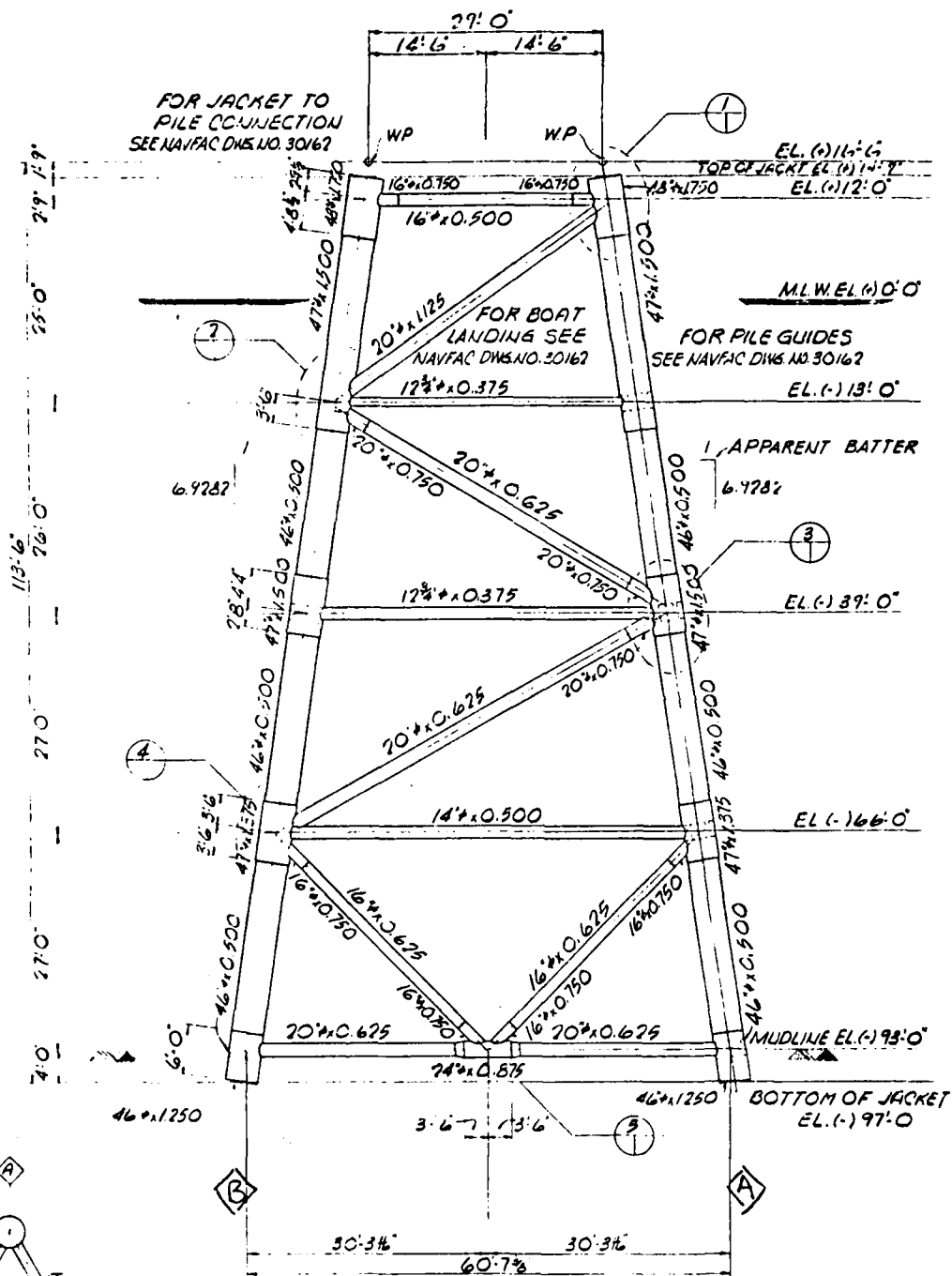
MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

# CREST OFFSHORE, INC.

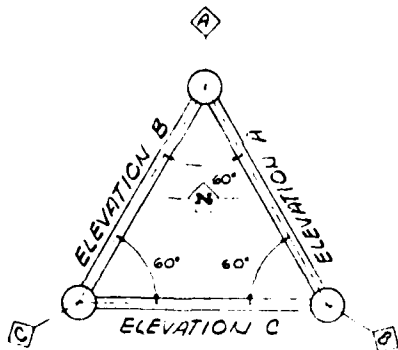
10.07

Sheet \_\_\_\_\_ of \_\_\_\_\_

By C. Chern Client U.S. NAVY Subject Lifting Analysis  
 Date 8-23-76 Job No. 27-771-01 Calculation Platform



ELEVATION A



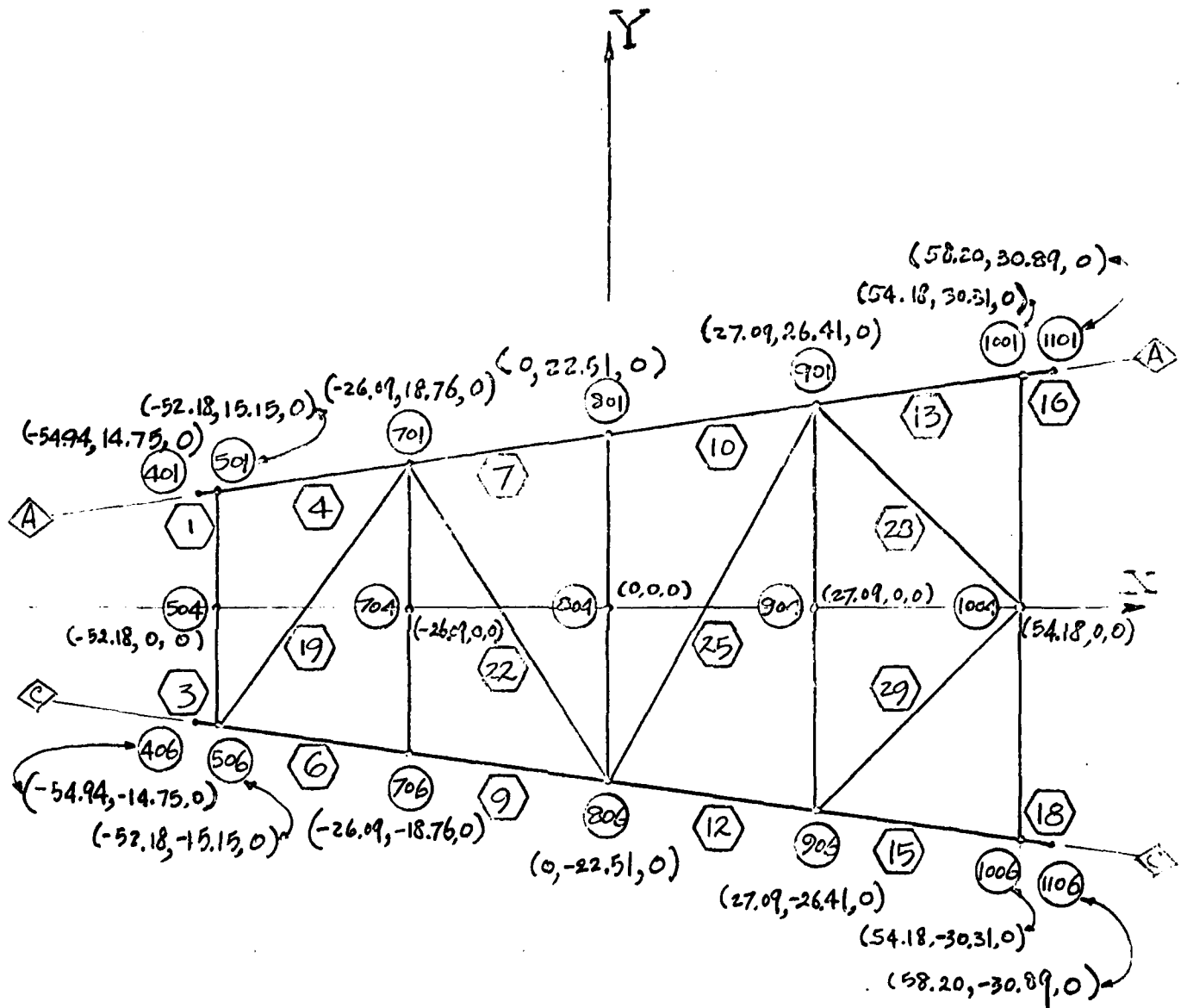
KEY PLAN

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10.10

Sheet \_\_\_\_\_ of \_\_\_\_\_

By C. Chern Client U.S. NAVY Subject Lifting Analysis  
 Date 8-20-76 Job No. 27-771-01 Calculation Platform #102



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

$$58 \times \frac{\sqrt{57}}{6} \times \frac{6.9282}{7} = 58.20$$

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

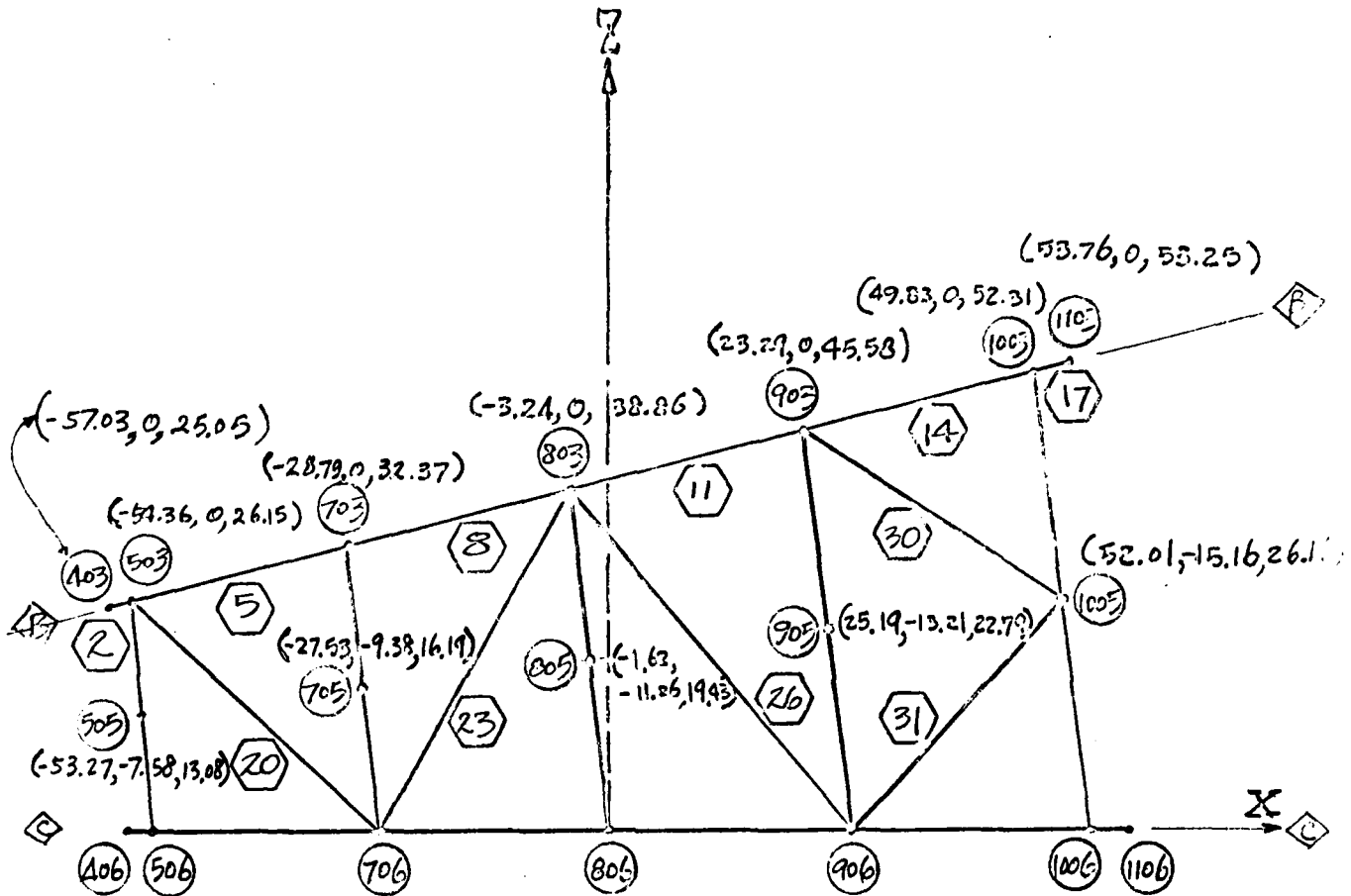
$$54.75 \times \frac{\sqrt{37}}{5} \times \frac{6.9282}{7} = 54.94$$



# CREST OFFSHORE, INC.

Sheet \_\_\_\_\_ of \_\_\_\_\_

By C. Cherr Client U.S. NAVY Subject Lifting Analysis  
 Date 8-20-76 Job No. 27-721-01 Calculation Platform #2



JOINT

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

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

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

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

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

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

JOINT

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

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

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

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

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

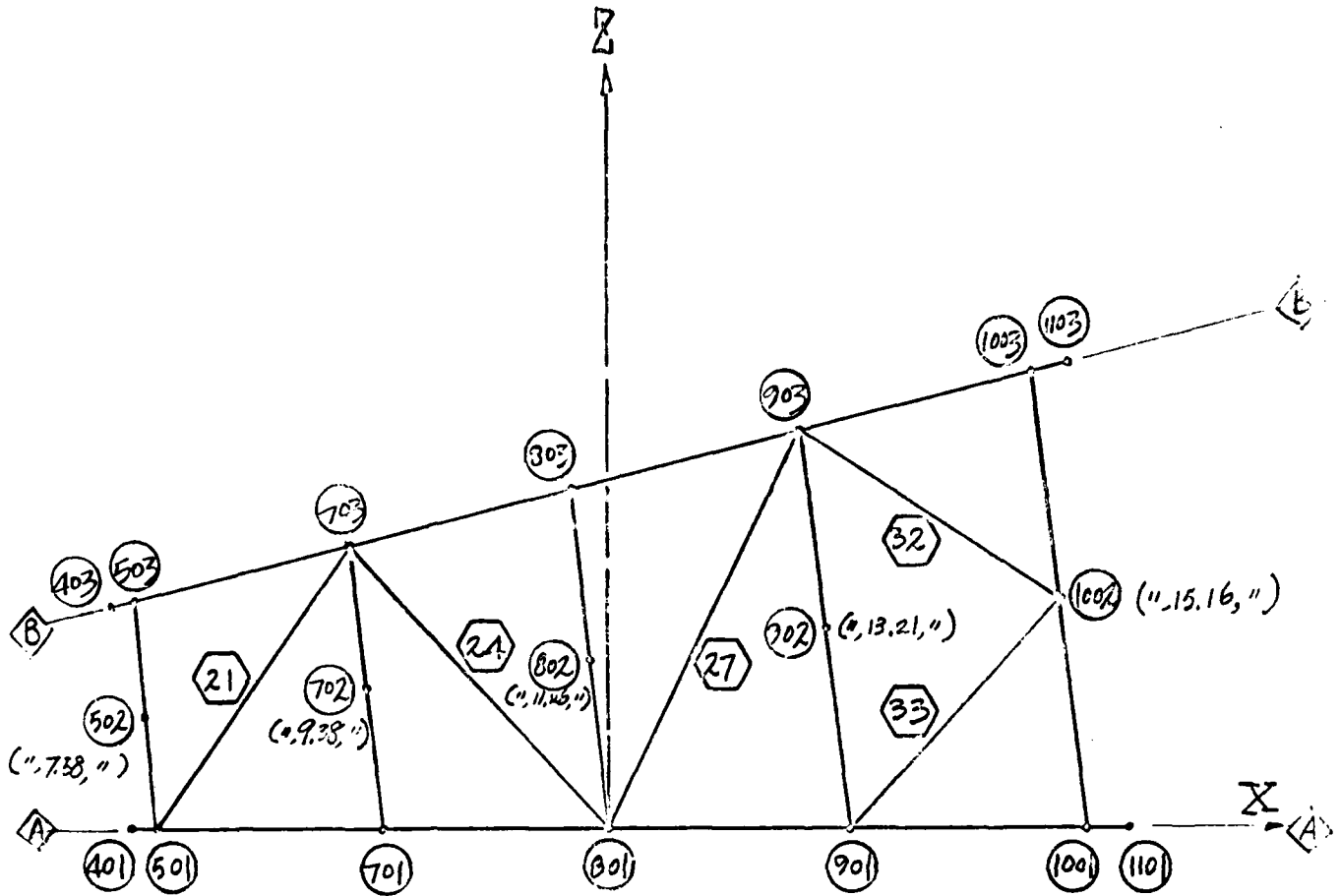
$$38.99 \times \frac{1}{\sqrt{145}} = 3.24$$

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11.12

Sheet \_\_\_ of \_\_\_

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

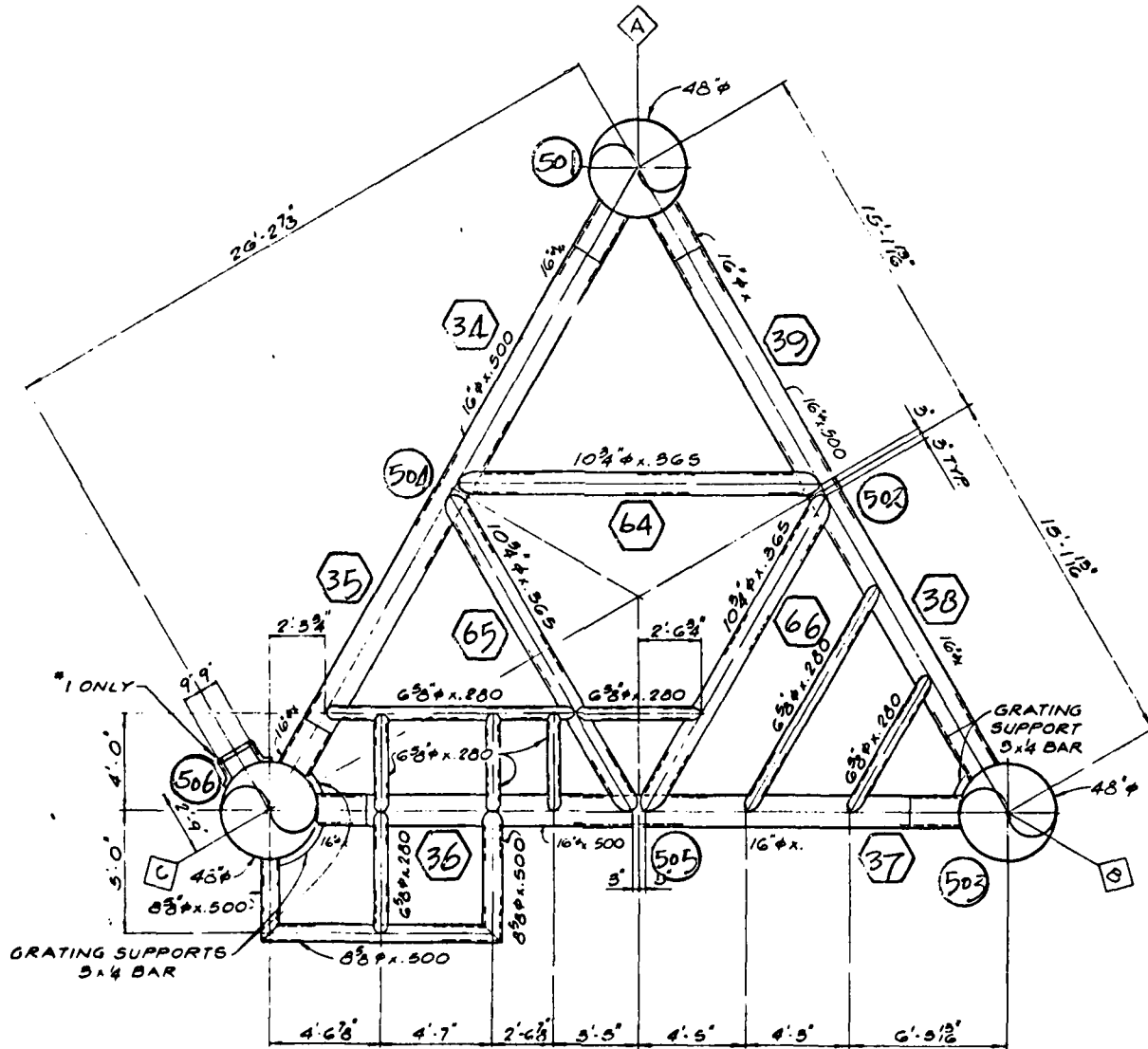


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10.12

Sheet \_\_\_\_\_ of \_\_\_\_\_

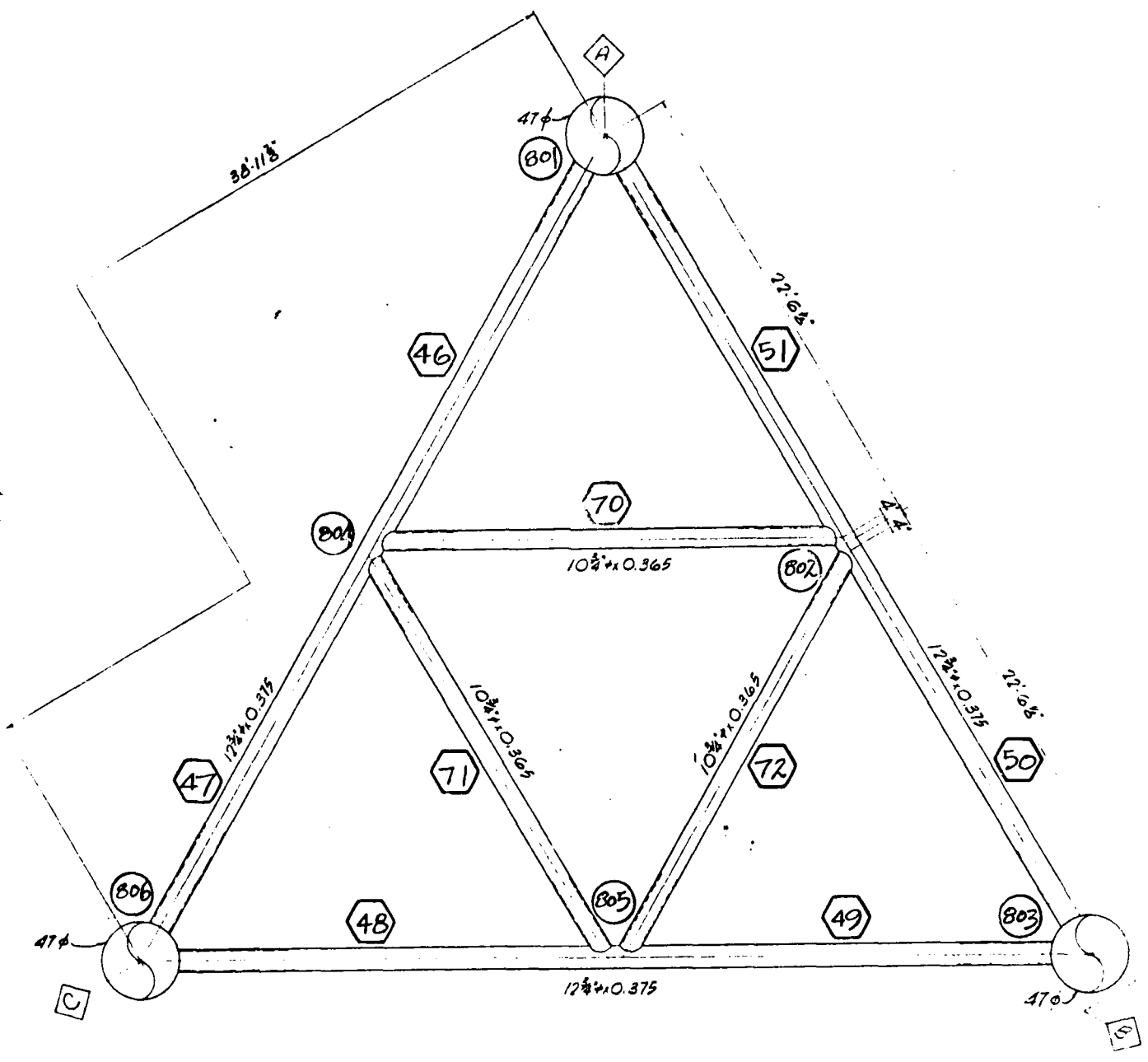
By C. Chern Client U.S. NAVY Subject Lifting Analysis  
 Date 8-23-76 Job No. 27-771-01 Calculation Platform



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Sheet 12.15 of         

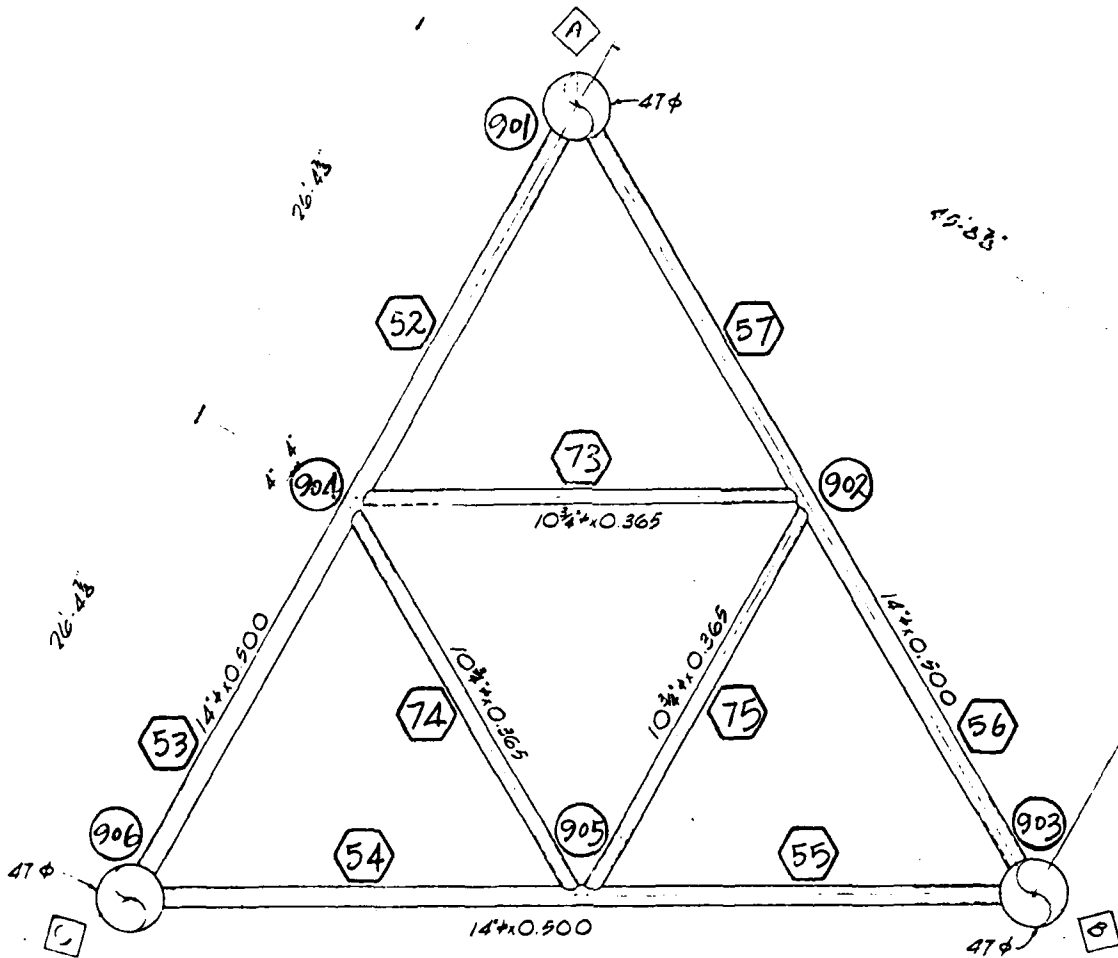
By C. Chern Client U.S. NAVY Subject Lifting Analysis  
Date 8-22-76 Job No. 27-77L-01 Calculation Platform #2



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Sheet 10.16 of     

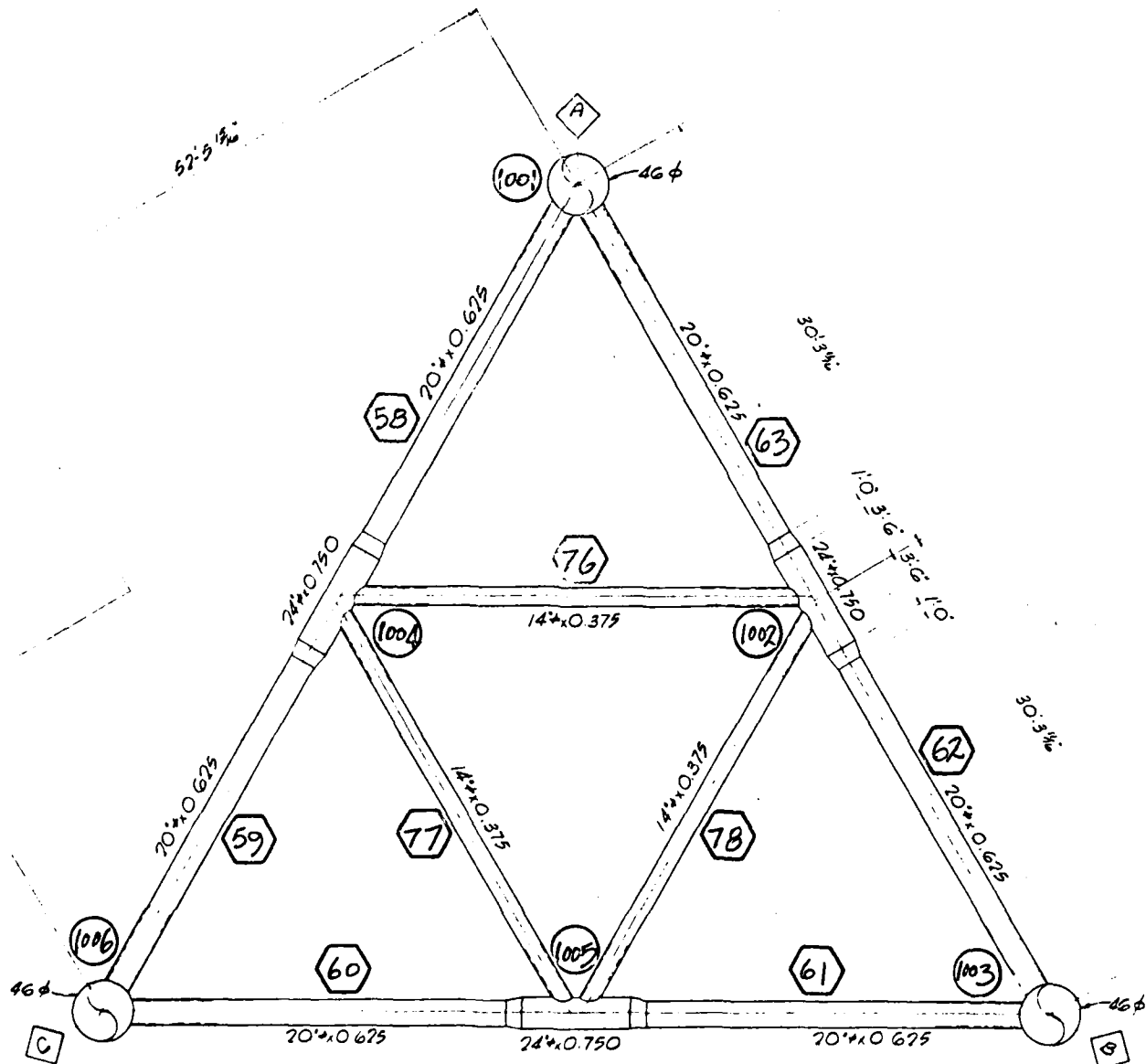
By C. Chern Client U.S. NAVY Subject Lifting Analysis  
Date 8-23-76 Job No. 27-77L-2L Calculation Platform #2



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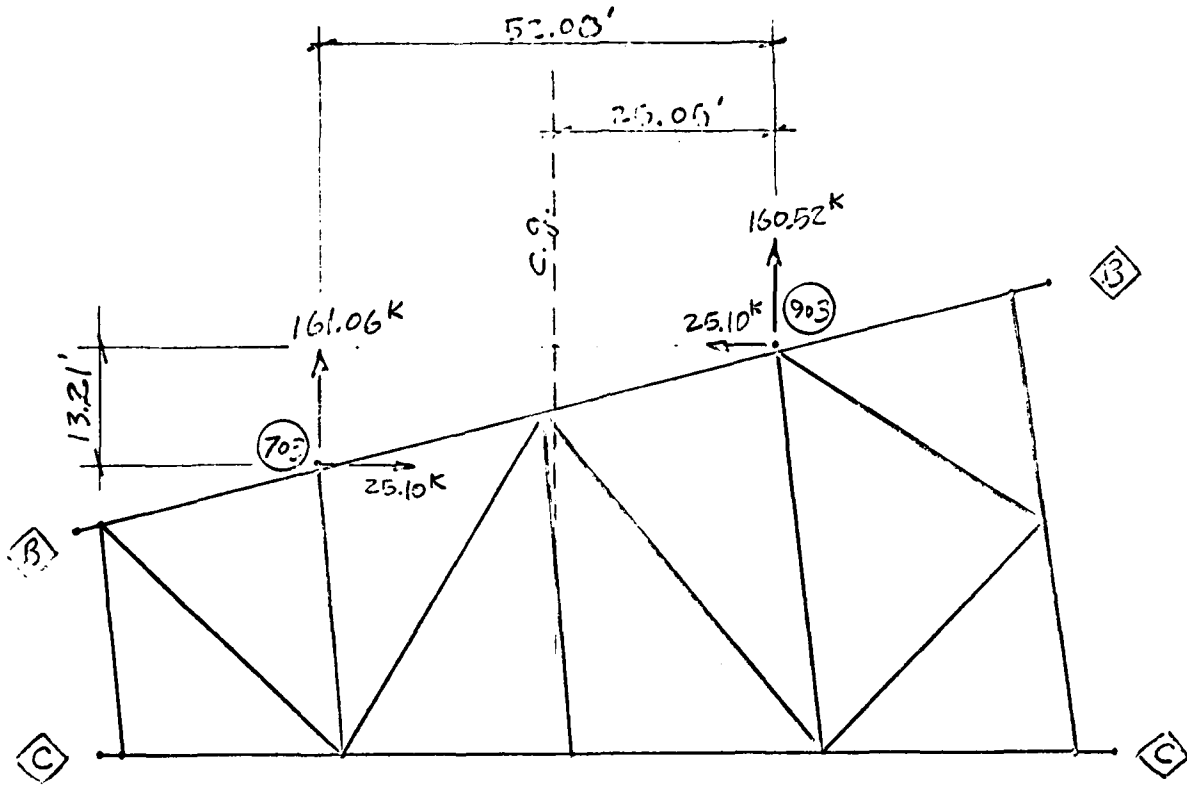
Sheet 10.17 of     

By C. Chern Client U.S. NAVY Subject Lifting Analysis  
Date 8-23-76 Job No. 27-271-01 Calculation Platform #2



By C. Chern Client U.S. NAVY Subject Lifting Analysis  
 Date 8-24-76 Job No. 27-771-01 Calculation Platform #1

LOCATION OF CENTER OF GRAVITY



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

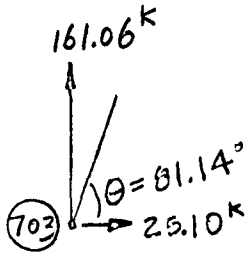
$$\bar{x} = \frac{161.06 \times 52.08 - 25.10 \times 13.21}{161.06 + 160.52}$$

$$= 25.05'$$

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

By C. Chern Client U.S. Navy Subject Lifting Analysis  
 Date 8-24-76 Job No. 27-271-01 Calculation Platform #2

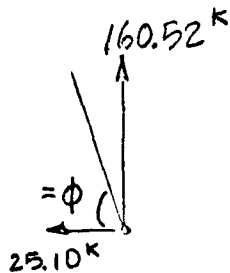
JOINT NO. 703



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

$$\begin{aligned} \text{Sling Force} &= 160.06 / \sin 81.14^\circ \\ &= 162 \text{ kips} \end{aligned}$$

JOINT NO. 903



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

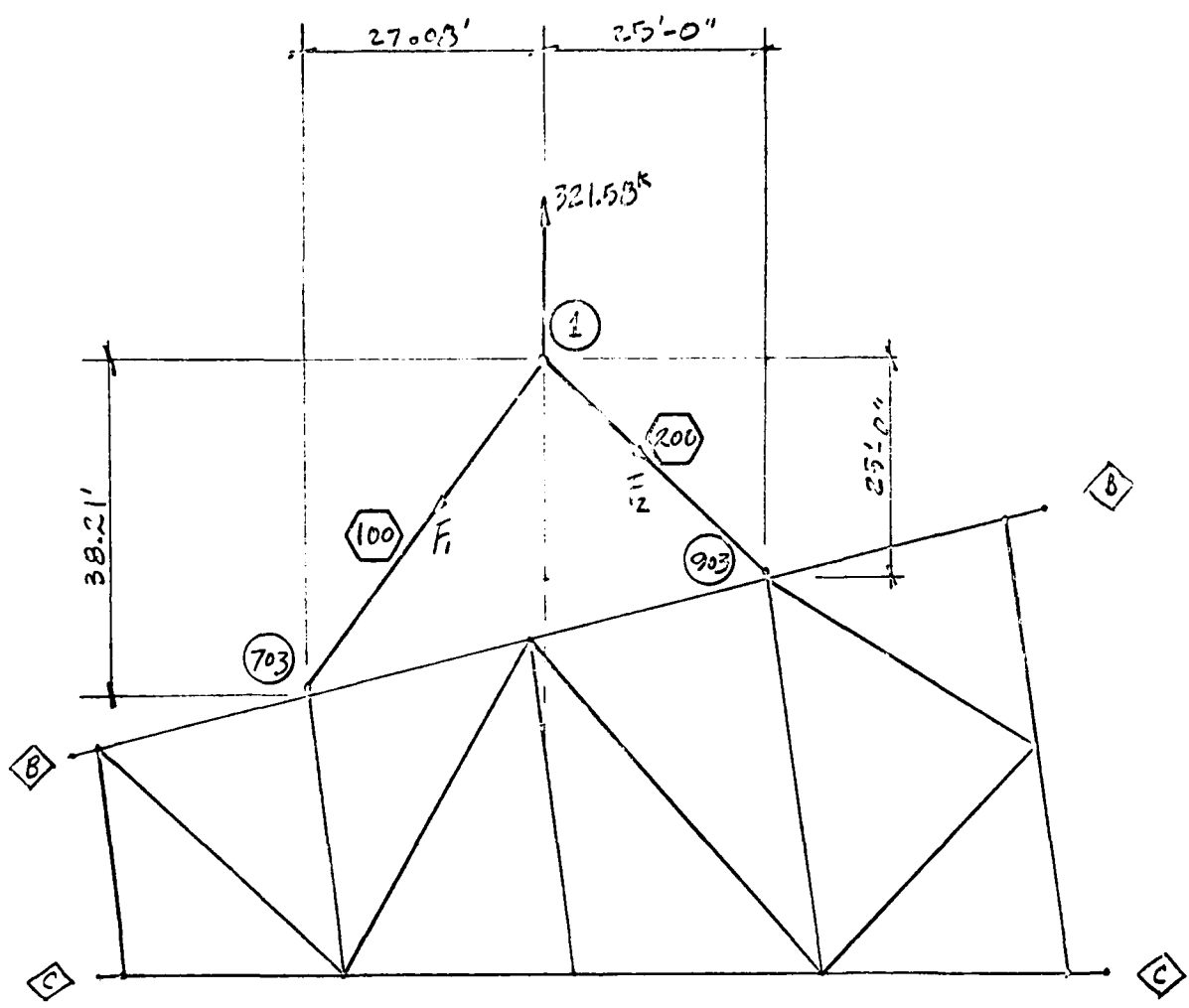
$$h = 25.05 \times \tan 81.12^\circ = 160.2 \text{ FT}$$

$$\begin{aligned} \text{Sling Force} &= 160.52 / \sin 81.12^\circ \\ &= 162.47 \text{ kips} \end{aligned}$$



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  $l_2 = \sqrt{25^2 + 25^2} = 35.36'$  (35'-4")  
 #100  $l_1 = \sqrt{27.08^2 + 38.21^2}$   
 $= 46.83'$  (46'-10")

By C. Chern Client U. S. NAVY Subject Lifting Analysis  
 Date 8-24-76 Job No. 27-221-0L Calculation Platform #2

Equilibrium @ Pt. ①

$$\left\{ \begin{aligned} \frac{F_2}{\sqrt{2}} + F_1 \times \frac{38.21}{\sqrt{27.08^2 + 38.21^2}} &= 321.58 & (a) \\ \frac{F_2}{\sqrt{2}} &= F_1 \times \frac{27.08}{\sqrt{27.08^2 + 38.21^2}} & (b) \end{aligned} \right.$$

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

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

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

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

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

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

By ADP Client U.S. NAVY Subject DESIGN OF 93' ALLW. STRUCT.  
Date 7-3-76 Job No. 22-271-95 Calculation FLOATATION ANALYSIS

10.5 FLOATATION ANALYSIS

Buoyancy of Jacket in Launch Mode = 414.8<sup>k</sup>  
(Ref. Section 10.5, p 10.23)

Weight of Jacket in Launch Mode  
Material listing = 359.5<sup>k</sup>  
Anodes = 10.9<sup>k</sup>  
370.4<sup>k</sup>

$414.8^k > 370.4^k$

∴ Floatation is achieved

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10.23

Sheet \_\_\_\_\_ of \_\_\_\_\_

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

DESCRIPTION	QTY.	VOLUME SEA WATER DISPLACED	
48.0"φ x 1.75 WT	22.50 FT	282.60 FT <sup>3</sup>	<i>All members - Surf D.O.</i>
47.5"φ x 1.50 WT	114.15 FT	1404.05 FT <sup>3</sup>	
47.0"φ x 1.25 WT	18.00 FT	216.72 FT <sup>3</sup>	
45.5"φ x 0.50 WT	183.99 FT	2077.25 FT <sup>3</sup>	
24.0"φ x 0.875 WT	21.00 FT	65.94 FT <sup>3</sup>	
20.0"φ x 1.125 WT	114.45 FT	249.50 FT <sup>3</sup>	
20.0"φ x 0.75 WT	26.50 FT	57.77 FT <sup>3</sup>	
20.0"φ x 0.625 WT	449.10 FT	979.04 FT <sup>3</sup>	
16.0"φ x 0.75 WT	52.75 FT	73.32 FT <sup>3</sup>	
16.0"φ x 0.625 WT	212.70 FT	295.65 FT <sup>3</sup>	
16.0"φ x 0.50 WT	80.91 FT	112.46 FT <sup>3</sup>	
14.0"φ x 0.50 WT	147.96 FT	156.84 FT <sup>3</sup>	
14.0"φ x 0.375 WT	85.50 FT	90.63 FT <sup>3</sup>	
12.75"φ x 0.375 WT	225.36 FT	198.32 FT <sup>3</sup>	
10.75"φ x 0.365 WT	240.00 FT	151.20 FT <sup>3</sup>	
8.625"φ x 0.50 WT	18.42 FT	7.37 FT <sup>3</sup>	
6.625"φ x 0.280 WT	54.75 FT	12.59 FT <sup>3</sup>	
3.50"φ x 0.216 WT	24.75 FT	1.49 FT <sup>3</sup>	
2.875"φ x 0.315 WT	6.00 FT	0.24 FT <sup>3</sup>	
2.375"φ x 0.154 WT	310.50 FT	9.32 FT <sup>3</sup>	
2.00 STL. PLATE	45.84 FT <sup>2</sup>	7.66 FT <sup>3</sup>	
1.50 STL. PLATE	17.69 FT <sup>2</sup>	2.21 FT <sup>3</sup>	
1.00 STL. PLATE	45.27 FT <sup>2</sup>	3.76 FT <sup>3</sup>	
0.75 STL. PLATE	47.10 FT <sup>2</sup>	2.94 FT <sup>3</sup>	
0.625 STL. PLATE	37.68 FT <sup>2</sup>	1.96 FT <sup>3</sup>	
0.50 STL. PLATE	64.50 FT <sup>2</sup>	2.69 FT <sup>3</sup>	
0.375 STL. PLATE	4.13 FT <sup>2</sup>	0.13 FT <sup>3</sup>	
0.250 STL. PLATE	1.70 FT <sup>2</sup>	0.04 FT <sup>3</sup>	
GRATING	196.28 FT <sup>2</sup>	16.29 FT <sup>3</sup>	
ANGLE 4"x6"x 3/8"	24.00 FT	1.25 FT <sup>3</sup>	

TOTAL 6481.23 FT<sup>3</sup>

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

**CREST OFFSHORE, INC.**

10.24

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 FT <sup>3</sup>	-	282.60 FT <sup>3</sup> (2.)	JACKET LEGS	
47.5"φ x 1.50 WT	114.15 FT	1404.05 FT <sup>3</sup>	-	1404.05 FT <sup>3</sup> (1.42)		
47.0"φ x 1.25 WT	18.00 FT	216.72 FT <sup>3</sup>	-	194.41 FT <sup>3</sup> (1.)		
45.5"φ x 0.50 WT	183.99 FT	2077.25 FT <sup>3</sup>	-	1987.20 FT <sup>3</sup> (1.)		
24.0"φ x 0.875 WT	21.00 FT	65.94 FT <sup>3</sup>				
20.0"φ x 1.125 WT	114.45 FT	249.50 FT <sup>3</sup>				
20.0"φ x 0.75 WT	26.50 FT	57.77 FT <sup>3</sup>				
20.0"φ x 0.625 WT	449.10 FT	979.04 FT <sup>3</sup>				
16.0"φ x 0.75 WT	52.75 FT	73.32 FT <sup>3</sup>	-	20.59 FT <sup>3</sup> (2.)		(+) 12'-0" ELEV.
16.0"φ x 0.625 WT	212.70 FT	295.65 FT <sup>3</sup>				
16.0"φ x 0.50 WT	80.91 FT	112.46 FT <sup>3</sup>	-	112.46 FT <sup>3</sup> (2.)		
14.0"φ x 0.50 WT	147.96 FT	156.84 FT <sup>3</sup>				
14.0"φ x 0.375 WT	85.50 FT	90.63 FT <sup>3</sup>				
12.75"φ x 0.315 WT	225.36 FT	198.32 FT <sup>3</sup>				
10.75"φ x 0.365 WT	240.00 FT	151.20 FT <sup>3</sup>	-	28.05 FT <sup>3</sup> (2.)	(+) 12'-0" ELEV.	
8.625"φ x 0.50 WT	18.42 FT	7.37 FT <sup>3</sup>	-	7.47 FT <sup>3</sup> (2.)	ELEV.	
6.625"φ x 0.280 WT	54.75 FT	12.59 FT <sup>3</sup>	-	13.11 FT <sup>3</sup> (2.)		
3.50"φ x 0.216 WT	24.75 FT	1.49 FT <sup>3</sup>				
2.875"φ x 0.315 WT	6.00 FT	0.24 FT <sup>3</sup>				
2.375"φ x 0.154 WT	310.50 FT	9.32 FT <sup>3</sup>				
2.00 STL. PLATE	45.84 FT <sup>2</sup>	7.66 FT <sup>3</sup>	-	7.66 FT <sup>3</sup> (2.)	LIFTING EYES	
1.50 STL. PLATE	17.69 FT <sup>2</sup>	2.21 FT <sup>3</sup>	-	2.21 FT <sup>3</sup> (2.)		
1.00 STL. PLATE	45.27 FT <sup>2</sup>	3.76 FT <sup>3</sup>	-	3.76 FT <sup>3</sup> (2.)		
0.75 STL. PLATE	47.10 FT <sup>2</sup>	2.94 FT <sup>3</sup>				
0.625 STL. PLATE	37.68 FT <sup>2</sup>	1.96 FT <sup>3</sup>				
0.50 STL. PLATE	64.50 FT <sup>2</sup>	2.69 FT <sup>3</sup>				
0.315 STL. PLATE	4.13 FT <sup>2</sup>	0.13 FT <sup>3</sup>				
0.250 STL. PLATE	1.70 FT <sup>2</sup>	0.04 FT <sup>3</sup>				
GRATING	196.28 FT <sup>2</sup>	16.29 FT <sup>3</sup>	-	16.29 FT <sup>3</sup> (2.)		(+) 12'-0" ELEV.
ANGLE 4"x6"x 3/8"	24.00 FT	1.25 FT <sup>3</sup>	-	1.25 FT <sup>3</sup> (2.)		ELEV.
TOTAL		6481.23 FT <sup>3</sup>		4081.11 FT <sup>3</sup>		

(Buoyancy) 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<sup>2</sup> of surface in water  
2 MA/ft<sup>2</sup> of surface in mud

### Design Life:

N = 20 years



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11.03

Sheet 1 of 1

By L. Kirk Client U.S. NAVY Subject DESIGN OF 93' MLV STRUCTURE  
 Date 7-4-76 Job No. 27-771-95 Calculation SURFACE AREA CALCULATION

LOCATION	DESCRIPTION	QTY.	SURFACE AREA (FT <sup>2</sup> )	(FT <sup>2</sup> ) TOTAL SURFACE AREA
-4'-0" To -13'-0"	47"φ x 12'-6" JL	3	153.3	461.4
" " "	20"φ x 15'-4" DB	3	80.3	240.9
-13'-0" (PLAN)	12 <sup>3</sup> / <sub>4</sub> "φ x 37'-6" HB	3	125.3	375.8
" " "	10 <sup>3</sup> / <sub>4</sub> "φ x 18'-9" HB	3	52.7	158.1
-13'-0" To -39'-0"	46"φ x 18'-2" JL	3	213.7	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 <sup>3</sup> / <sub>4</sub> "φ x 45'-1" HB	3	150.5	451.5
" " "	10 <sup>3</sup> / <sub>4</sub> "φ x 22'-6" HB	3	63.2	189.6
-39'-0" To -66'-0"	46"φ x 20'-10" JL	3	250.3	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 <sup>3</sup> / <sub>4</sub> "φ x 26'-5" HB	3	74.2	222.6
-66'-0" To -93'-0"	46"φ x 21'-6" JL	3	253.9	776.7
" " "	47"φ x 6'-0" JL	3	73.3	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

70'  
x 2.00WT

By ADD Client U.S. NAVY Subject DESIGN OF 93' M.M. STRUCTURE  
 Date 9-3-76 Job No. 27-771-95 Calculation CORROSION PROTECTION

### Total Current Requirements

$$I = 6 \frac{\text{mA}}{\text{ft}^2} \times 9504 \text{ ft}^2 + 2 \frac{\text{mA}}{\text{ft}^2} \times 8200 \text{ ft}^2$$

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

### Capacity of Alloy

Use Aluminum - Zinc - Mercury Alloy

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

### Total Weight of Sacrificial Anodes

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

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

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

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.**

12.02

Sheet \_\_\_\_\_ of \_\_\_\_\_

By ADD Client U.S. NAVY Subject DESIGN OF 93' MEN STRUCTURE  
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	NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
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	1986,69
W 18 X 50,00	139,79	6989,60
W 12 X 27,00	65,04	1756,11

12.03



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

M	8 X 28.00	132.37	3176.90
M	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	345.38

PLATE

1.250 THICKNESS	41.92	2139.71
1.000 THICKNESS	109.30	4803.16
0.750 THICKNESS	34.18	1046.67
0.500 THICKNESS	76.06	1569.18
0.375 THICKNESS	42.34	1260.83
0.250 THICKNESS	1186.36 (D2SF-2)*	13199.09
0.125 THICKNESS	15.51	79.17

\* 1/4" Checkered Plate A308a

GRATING

7.360 LBS PER SQ FT	276.10	2032.10
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\*\*\*\*\*  
 TOTAL WEIGHT 132752.69 LBS

12.04

**CREST OFFSHORE, INC.**

Sheet \_\_\_\_\_ of \_\_\_\_\_

By AWD Client U.S. Navy Subject DESIGN OF 22' LIFTING PLATFORM  
Date 9-3-76 Job No. 88-72-25 Calculation PLATFORM WEIGHT

12.3 Material List and Weight - Jacket

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

NOMINAL DIMENSION TOTAL LENGTH TOTAL WEIGHT  
 (FEET) (POUND)

PIPE	NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
48.000 O.D.	X 1.750 WT	22.50	19467.71
47.500 O.D.	X 1.500 WT	114.15	8499.13
47.000 O.D.	X 1.250 WT	18.00	11004.15
45.500 O.D.	X 0.500 WT	183.99	48254.69
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	4090.24
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 0.240 WT	54.75	1039.62
3.500 O.D.	X 0.214 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 93 FT HLW JACKET 27-771001 BILL OF MATERIALS & WEIGHT

ANGLE 4.000 X 6.000 X 0.375 24.00 294.77

PLATE	THICKNESS	WEIGHT
2.000 THICKNESS	45.04	3743.90
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	8116.67
0.500 THICKNESS	64.50	1316.87
0.375 THICKNESS	4.13	63.16
0.250 THICKNESS	1.70	17.53

GRATING 7.360 LBS PER SQ FT 195.28 1444.61

\*\*\*\*\*  
TOTAL WEIGHT 35497.75 LBS

CREST OFFSHORE, INC.

12.08

Sheet \_\_\_\_\_ of \_\_\_\_\_

By ACB Client U.S. NAVY Subject DESIGN OF 93' MLLI STRUCTURE  
Date 2-3-76 Job No. 22-221-95 Calculation MATERIAL LISTING & WEIGHT

12.4 Material Listing and Weight - Boat Loading

SUMMARY OF MATERIALS  
U.S. NAVY ARMED SERVICES JACKET BEAT LANSING 27-771-01 HILL 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
5.625 O.D. X 0.500 WT	137.91	5989.45
5.625 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

SILL OF MATERIALS SUMMARY  
U.S. NAVY ACPS PERSPERSO JULY/ BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE

0.750 THICKNESS  
0.500 THICKNESS

64.94  
9.72

1908.94  
198.45

GRATING

7,350 LBS PER 90 FT

119.17

855.04

.....

TOTAL WEIGHT

23903.20 LBS

12.10

**CREST OFFSHORE, INC.**

12.11

Sheet \_\_\_\_\_ of \_\_\_\_\_

By ALB Client U.S. NAVY Subject DESIGN OF 22' MINI-FENDER  
Date 9-3-76 Job No. 27-771-25 Calculation MATERIAL LISTING & WEIGHT

12.5 Material Listing and Weight - Boat Fenders



12.12

BILL OF MATERIALS SUMMARY  
U.S. NAVY ACAR 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 6065.68  
18,000 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 3525.55 LBS

**CREST OFFSHORE, INC.**

12.12

Sheet \_\_\_\_\_ of \_\_\_\_\_

By A.C.R. Client U.S. NAVY Subject DESIGN OF 92' MBL 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	NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
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

## A. H. GLENN AND ASSOCIATES

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

## A. H. GLENN AND ASSOCIATES

TABLE 19: 50 YEAR COMBINED WIND DRIFT, DENSITY, AND  
TIDAL CURRENT VERSUS PERCENT OF DEPTH:  
36°13'36.3"N, 75°14'59.6"W: SPECIFIED 93  
FOOT CHART DEPTH: OFFSHORE KITTY HAWK,  
NORTH CAROLINA

<u>Percent Of Depth</u>	<u>Current Speed (Ft/Sec)</u>
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%	0.0

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.

PILF 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







WAVE1 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	147.09	141.55	132.55	124.27	117.14	111.10	106.04	101.88	
*****										
SURFACE										
HOR. DRAG PRESS.	239.57	426.34	239.47	164.01	154.86	213.34	40.50	51.36	23.26	
HOR. INER PRESS.	-47.09	0.00	67.09	87.34	77.91	70.70	62.87	53.64	43.67	
VER. DRAG PRESS.	-75.41	0.00	76.41	150.91	171.74	162.96	136.77	111.63	84.57	
VER. INER PRESS.	-49.73	-47.90	-49.73	-20.09	-1.37	11.37	20.62	27.09	29.49	
ELEV = 140.00										
HOR. DRAG PRESS.	490.16	714.31	490.16	164.01	0.00	0.00	0.00	0.00	0.00	
HOR. INER PRESS.	-44.30	0.00	44.30	82.34	0.00	0.00	0.00	0.00	0.00	
VER. DRAG PRESS.	-70.49	0.00	70.49	150.91	0.00	0.00	0.00	0.00	0.00	
VER. INER PRESS.	-50.49	-70.07	-50.49	-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	74.14	77.91	0.00	0.00	0.00	0.00	
VER. DRAG PRESS.	-44.37	0.00	44.37	136.11	171.74	0.00	0.00	0.00	0.00	
VER. INER PRESS.	-61.77	-61.77	-61.77	-21.40	-1.37	0.00	0.00	0.00	0.00	
*****										
ELEV = 120.00										
HOR. DRAG PRESS.	843.74	845.19	843.74	439.45	425.35	213.36	40.50	0.00	0.00	
HOR. INER PRESS.	-38.43	0.00	38.43	63.86	73.18	70.70	62.87	0.00	0.00	
VER. DRAG PRESS.	-28.49	0.00	28.49	91.64	144.29	162.96	136.77	0.00	0.00	
VER. INER PRESS.	-51.47	-61.72	-51.47	-29.04	-5.01	11.37	20.62	0.00	0.00	
*****										
ELEV = 110.00										
HOR. DRAG PRESS.	534.10	575.90	534.10	432.21	303.28	188.94	104.93	51.36	23.26	
HOR. INER PRESS.	-30.75	0.00	30.75	52.61	61.01	65.09	62.17	53.64	43.67	
VER. DRAG PRESS.	-18.97	0.00	18.97	62.92	105.12	139.52	135.43	111.63	84.57	
VER. INER PRESS.	-44.07	-51.18	-44.07	-30.63	-10.76	6.39	20.02	27.09	29.49	
*****										
ELEV = 100.00										
HOR. DRAG PRESS.	434.39	469.08	434.39	304.84	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.	-17.73	0.00	17.73	42.94	74.80	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	28.29	
*****										
ELEV = 90.00										
HOR. DRAG PRESS.	366.05	388.77	366.05	304.66	230.41	156.16	95.71	52.34	24.63	
HOR. INER PRESS.	-20.49	0.00	20.49	34.78	46.91	51.32	51.27	47.80	41.99	
VER. DRAG PRESS.	-14.90	0.00	14.90	29.84	52.41	68.56	74.91	75.12	62.72	
VER. INER PRESS.	-34.00	-42.27	-34.00	-27.56	-14.82	-1.96	9.00	17.12	22.46	
*****										
ELEV = 80.00										
HOR. DRAG PRESS.	309.44	324.76	309.44	261.49	202.71	141.34	90.21	51.40	25.85	
HOR. INER PRESS.	-17.13	0.00	17.13	31.27	40.82	45.73	48.70	46.56	40.23	
VER. DRAG PRESS.	-11.61	0.00	11.61	20.23	34.58	48.88	54.70	52.83	47.68	
VER. INER PRESS.	-33.11	-36.36	-33.11	-22.30	-14.71	-3.92	5.57	12.83	17.78	
*****										
ELEV = 70.00										
HOR. DRAG PRESS.	264.82	274.34	264.82	224.40	179.11	128.43	84.38	49.64	25.51	
HOR. INER PRESS.	-14.54	0.00	14.54	24.93	35.44	42.99	42.73	41.66	36.52	
VER. DRAG PRESS.	-9.89	0.00	9.89	13.69	25.11	34.32	39.08	38.00	35.00	
VER. INER PRESS.	-24.95	-30.47	-24.95	-22.30	-13.87	-4.90	3.15	9.58	13.47	
*****										
ELEV = 60.00										
HOR. DRAG PRESS.	229.34	240.23	229.38	190.45	159.79	117.28	74.49	47.30	24.94	
HOR. INER PRESS.	-12.54	0.00	12.54	23.52	31.41	37.05	39.36	39.12	36.47	
VER. DRAG PRESS.	-7.61	0.00	7.61	8.02	18.67	23.40	27.02	27.38	26.12	
VER. INER PRESS.	-23.99	-25.77	-23.99	-19.14	-12.42	-5.18	1.52	6.49	10.42	
*****										
ELEV = 50.00										
HOR. DRAG PRESS.	201.18	210.11	201.18	177.15	143.62	106.95	72.74	44.58	23.98	
HOR. INER PRESS.	-11.03	0.00	11.03	20.49	24.41	33.25	36.56	36.96	35.50	
VER. DRAG PRESS.	-6.41	0.00	6.41	7.77	10.98	18.27	17.04	18.30	17.03	
VER. INER PRESS.	-14.44	-21.01	-14.44	-14.93	-10.69	-4.93	0.89	0.30	0.30	
*****										
ELEV = 40.00										
HOR. DRAG PRESS.	179.35	184.49	179.35	159.00	130.01	97.81	67.25	41.64	22.52	
HOR. INER PRESS.	-9.48	0.00	9.48	14.42	24.12	31.39	34.31	33.43	30.98	
VER. DRAG PRESS.	-4.94	0.00	4.94	3.43	4.54	7.32	10.46	11.17	10.40	
VER. INER PRESS.	-15.51	-16.51	-15.51	-12.72	-8.75	-3.22	-0.08	1.50	6.14	
*****										
ELEV = 30.00										
HOR. DRAG PRESS.	142.17	164.59	142.17	144.31	114.65	89.81	62.11	38.60	20.45	
HOR. INER PRESS.	-8.14	0.00	8.14	17.24	24.27	29.41	32.34	33.81	31.34	
VER. DRAG PRESS.	-4.91	0.00	4.91	4.73	6.33	10.07	10.94	8.54	8.54	
VER. INER PRESS.	-11.42	-12.21	-11.42	-8.53	-4.47	-3.15	-0.33	2.14	4.14	
*****										
ELEV = 20.00										
HOR. DRAG PRESS.	144.72	154.42	144.72	132.58	109.27	82.49	67.34	35.54	18.96	
HOR. INER PRESS.	-8.47	0.00	8.47	14.71	22.24	27.07	31.36	32.24	32.43	
VER. DRAG PRESS.	-4.22	0.00	4.22	4.74	6.29	9.18	10.40	8.54	7.43	
VER. INER PRESS.	-7.44	-8.10	-7.44	-4.38	-4.51	-2.40	-0.35	1.43	2.78	
*****										
ELEV = 10.00										
HOR. DRAG PRESS.	134.45	143.82	134.45	121.42	101.66	74.95	62.97	32.50	18.97	
HOR. INER PRESS.	-4.14	0.00	4.14	12.71	16.66	21.44	26.53	28.24	32.21	
VER. DRAG PRESS.	-2.05	0.00	2.05	3.19	4.22	6.44	7.44	8.24	8.24	
VER. INER PRESS.	-1.42	-4.14	-1.42	-1.19	-2.24	-1.23	-0.21	0.67	1.16	
*****										
ELEV = 0.00										
HOR. DRAG PRESS.	10.27	10.44	10.27	9.14	7.50	5.44	3.44	2.31	1.17	
HOR. INER PRESS.	-4.43	0.00	4.43	15.51	21.97	27.41	30.37	30.00	30.00	
VER. DRAG PRESS.	6.46	0.00	6.46	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 =	R6.79	R6.52	R6.34	R6.28
*****				
SURFACE				
HOR. DRAG PRESS.	-10.91	-11.70	-12.27	-12.64
HOR. INER PRESS.	3.1A	2.20	1.59	0.79
VER. DRAG PRESS.	0.90	0.43	0.17	0.03
VER. INER PRESS.	7.26	4.96	3.33	2.29
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.	3.1A	2.20	1.59	0.79
VER. DRAG PRESS.	0.90	0.43	0.17	0.03
VER. INER PRESS.	7.26	4.96	3.33	2.29
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.	6.91	3.71	2.12	1.00
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.	4.12	2.22	1.69	0.50
ELEV = 60.00				
HOR. DRAG PRESS.	-13.65	-14.89	-15.75	-16.22
HOR. INER PRESS.	4.48	3.29	2.09	0.85
VER. DRAG PRESS.	0.41	0.25	0.09	0.02
VER. INER PRESS.	3.36	1.83	1.17	0.59
ELEV = 50.00				
HOR. DRAG PRESS.	-14.97	-16.38	-17.34	-17.87
HOR. INER PRESS.	5.05	3.52	2.17	0.91
VER. DRAG PRESS.	0.37	0.18	0.07	0.01
VER. INER PRESS.	4.34	2.97	1.58	0.39
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.	0.24	0.12	0.04	0.01
VER. INER PRESS.	3.71	2.24	1.23	0.77
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.	2.82	1.67	0.94	0.11
ELEV = 20.00				
HOR. DRAG PRESS.	-20.25	-22.10	-23.16	-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	1.07	0.51	0.43
ELEV = 10.00				
HOR. DRAG PRESS.	-22.53	-24.51	-25.86	-26.80
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	0.44	0.24	0.72
ELEV = 0.00				
HOR. DRAG PRESS.	-1.97	-2.11	-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

SEALUAD-2

DEVELOPED BY SYNERGIC TECHNOLOGY, INC.  
HOUSTON, TEXAS  
RELEASE 2 MOD 13  
AUG 1978

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
1	1000	1000	1000	1000	1000	1000	1000	1000
2	16000	1000	1000	1000	1000	1000	1000	1000
3	20000	1000	1000	1000	1000	1000	1000	1000
4	20330	1000	0297	1000	1000	1000	1000	1000
5	21000	1000	1000	1000	1000	1000	1000	1000
6	22050	1000	0322	1000	1000	1000	1000	1000
7	24000	1000	1000	1000	1000	1000	1000	1000
8	24010	1000	0363	1000	1000	1000	1000	1000
9	26000	1000	0246	1000	1000	1000	1000	1000
10	27570	1000	0403	1000	1000	1000	1000	1000
11	30000	1000	1000	1000	1000	1000	1000	1000
12	30320	1000	0403	1000	1000	1000	1000	1000
13	30000	1000	1000	1000	1000	1000	1000	1000
14	45000	1000	1000	1000	1000	1000	1000	1000
15	47000	1000	1000	1000	1000	1000	1000	1000
16	47500	1000	1000	1000	1000	1000	1000	1000
17	65470	1000	0457	1000	1000	1000	1000	1000
18	67160	1000	0467	1000	1000	1000	1000	1000
19	67540	1000	0467	1000	1000	1000	1000	1000
20	END	00230	1000	0497	1000	1000	1000	1000

U.S. NAVY - ACORN PLATFORMS - PLATFORM 2 - MWL 93.0 FEET  
WAVE FOR 50 YEAR STORM

G. BUCKMASTER  
JULY, 1976  
27-771-01

LINE NO.	1	2	3	4	5	6	7	8
26	STRAN	1 600 30 30 5011	2 900 30 30 5011	UF 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	8061	8291			
30	YSPC	1400 1300	1200 1100	1000 900	800 700	600 500	400 300	200 100 00
31	YSMP	1470 1415	1326 1226	1116 1070				
32	147 0	4263 2396	1650 1680	2396 4263				
33	140 0	7143 4902	1680 1680	4902 7143				
34	130 0	4751 7751	4535 4535	7751 4751				
35	120 0	4452 6034	6304 6304	6034 4452				
36	110 0	5754 5361	4322 4322	5361 5754				
37	100 0	4691 4384	3596 3596	4384 4691				
38	90 0	3686 3661	3067 3067	3661 3686				
39	80 0	3268 3045	2635 2635	3045 3268				
40	70 0	2703 2644	2284 2284	2644 2703				
41	60 0	2402 2224	1944 1944	2224 2402				
42	50 0	2101 2012	1772 1772	2012 2101				

SECTION-2

LINE NO. 1 2 3 4 5 6 7 8

43	40	0	1667	1794	1590	1794	1467
44	30	0	1686	1622	1443	1622	1686
45	20	0	1545	1487	1326	1487	1545
46	10	0	1436	1385	1234	1385	1436
47	0	0	107	103	91	103	107
48	147	1	00	671	623	671	00
49	140	1	00	643	623	643	00
50	130	1	00	494	741	741	494
51	120	1	00	366	634	634	366
52	110	1	00	304	526	526	304
53	100	1	00	249	436	436	249
54	90	1	00	205	368	368	205
55	80	1	00	171	313	313	171
56	70	1	00	143	269	269	143
57	60	1	00	126	235	235	126
58	50	1	00	110	204	204	110
59	40	1	00	94	166	166	94
60	30	1	00	80	135	135	80
61	20	1	00	65	103	103	65
62	10	1	00	51	77	77	51
63	0	1	00	38	55	55	38
64	14740	00	764	1509	1509	764	00
65	14000	00	708	1509	1509	708	00
66	13540	00	444	1361	1361	444	00
67	12040	00	287	917	917	287	00
68	11440	00	191	625	625	190	00
69	10040	00	127	429	429	124	00
70	90	00	86	295	295	86	00
71	80	00	54	202	202	56	00
72	70	00	39	137	137	39	00
73	60	00	26	91	91	26	00
74	50	00	16	58	58	16	00
75	40	00	10	35	35	10	00
76	30	00	05	19	19	05	00
77	20	00	02	08	08	02	00
78	10	00	01	02	02	01	00
79	0	00	00	00	00	00	00
80	14741	674	497	210	210	497	674
81	14041	741	507	210	210	509	741
82	13041	674	534	234	234	536	674
83	12041	617	520	290	290	520	617
84	11041	552	481	306	306	481	552
85	10041	446	433	294	294	433	446
86	90	41	423	363	363	423	423
87	80	41	384	333	333	384	384
88	70	41	309	283	283	309	309
89	60	41	250	240	240	250	250
90	50	41	210	197	197	210	210
91	40	41	165	155	155	165	165
92	30	41	126	115	115	126	126



LINE NO.	1	2	3	4	5	6	7	8
93	20	VI	91	76	64	64	76	61
94	10	VI	40	38	32	32	38	40
95	0	VI	00	00	00	00	00	00
96	MINU	1	50	361	153	1095	145	15
97		2	121	361	156	1095	145	15
98	END							

ALL  
ALL

\*\*\*\* C O E F F I C I E N T    T A B L E    R E P U N T \*\*\*\*

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	.5220
24.000	.1000	-0.0000	1.0000
25.010	.1000	-0.0000	.3630
26.800	.1000	-0.0000	.2160
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
43.000	.1000	-0.0000	1.0000
47.000	.1000	-0.0000	1.0000
47.500	.1000	-0.0000	1.0000
53.470	.1000	-0.0000	.9570
58.100	.1000	-0.0000	.9670
67.500	.1000	-0.0000	.9870
80.230	.1000	-0.0000	.9970

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

WAVE FOR 50 YEAR STORM

G. BUCKMASTEK

JULY, 1976

27-771-01

INPUT UNITS

.....ENGLISH

OUTPUT UNITS

.....ENGLISH



\*\*\* LOAD SUMMARY REPORT \*\*\*

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

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

WAVE ANGLE = 90.00

LOAD CONDITION 2

TRIAL NO.	DIST. TO CHEST FT	PHASE ANGLE	SHEAR		MOMENT		VERTICAL FORCE	
			KIPS	RSNT	FI-KIPS	Y	RSNT	Z
1	-30.0	15.03	1243.6	1293.8	-102685.	583.	102687.	-37.7
2	-25.0	10.66	1349.9	1349.9	-111141.	1346.	111149.	-52.9
3	-20.0	6.68	1349.4	1349.4	-112270.	1730.	112283.	-64.9
4	-15.0	6.51	1356.9	1359.0	-114863.	2141.	114883.	-79.0
5	-10.0	4.34	1360.3	1360.5	-117110.	2806.	117139.	-93.4
6	-5.0	2.17	1311.1	1311.2	-113140.	1537.	113151.	-96.3
7	0.0	-0.00	1246.2	1246.2	-107262.	937.	107266.	-98.3
8	5.0	-2.17	1166.2	1166.2	-99432.	287.	99433.	-97.5
9	10.0	-4.34	1094.5	1094.5	-92889.	-287.	92890.	-97.3
10	15.0	-6.51	966.0	966.0	-79918.	-622.	79920.	-93.7
11	20.0	-8.68	890.4	890.4	-72922.	-553.	72924.	-75.5
12	25.0	-10.66	800.7	800.7	-64695.	-269.	64695.	-74.4
13	30.0	-13.03	730.6	730.6	-57736.	-63.	57736.	-74.1

\*\*\* LOAD SUMMARY REPORT \*\*\*

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. FT	PHASE ANGLE DEG	S M E A R			M U D L I N E M O M E N T			V E R T I C A L F O R C E		
			X	Y	Z	X	Y	Z	X	Y	Z
1	-30.0	13.03	-615.6	-1086.5	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	8.64	-651.6	-1141.2	1314.1	93335.	-53825.	107743.	-39.5		
4	-15.0	6.51	-652.7	-1150.8	1323.0	95818.	-54827.	110395.	-53.1		
5	-10.0	4.34	-642.6	-1155.3	1322.1	97681.	-54495.	112029.	-61.3		
6	-5.0	2.17	-631.3	-1154.2	1315.5	99475.	-54054.	113215.	-64.5		
7	0.0	-0.00	-604.5	-1126.0	1276.0	97644.	-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	86442.	-43295.	97126.	-77.3		
10	15.0	-6.51	-476.6	-942.5	1050.1	80736.	-39216.	89756.	-72.8		
11	20.0	-8.68	-426.3	-855.7	956.4	71679.	-34233.	79434.	-74.4		
12	25.0	-10.86	-384.1	-790.5	891.1	65254.	-30342.	71985.	-64.5		
13	30.0	-13.03	-361.6	-724.4	804.6	58806.	-28057.	65156.	-64.2		



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

CAVE NUMBER = 3

HAVE DIRECTION = 240,000

X SHEAR FORCE = -631,2093 KIPS  
Y SHEAR FORCE = -1154,1038 KIPS  
RESULTANT SHEAR FORCE = 1319,5479 KIPS

X MUOULINE MOMENT = 99475,2596 FT-KIPS  
Y MUOULINE MOMENT = -54058,6062 FT-KIPS  
RESULTANT MUOULINE MOMENT = 115215,1345 FT-KIPS

Z VERTICAL FORCE = -68,4476 KIPS

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

WAVE ANGLE = 270.00

LOAD CONDITION 4

TRIAL NO. UJST. TO CHEST FT. PHASE ARG. WAVE / U-STRUC. (DEG)

\*\*\*\*\* HEADLINE MOMENT \*\*\*\*\* / FT-KIPS

\*\*\*\*\* X Y RSLNT X Y RSLNT \*\*\*\*\* / KIPS

\*\*\*\*\* Z \*\*\*\*\* / KIPS

TRIAL NO.	UJST. TO CHEST FT.	PHASE ARG. WAVE / U-STRUC. (DEG)	X	Y	RSLNT	X	Y	RSLNT	Z
1	-30.0	15.03	4.0	-1241.0	1241.0	96041.0	597.0	96042.0	-30.5
2	-25.0	10.86	5.0	-1261.2	1261.2	99185.0	804.0	99188.0	-41.1
3	-20.0	6.68	7.4	-1277.9	1277.9	102357.0	1036.0	102363.0	-53.4
4	-15.0	6.51	2.4	-1305.0	1305.0	107659.0	339.0	107660.0	-61.0
5	-10.0	4.34	1.0	-1351.1	1351.1	115034.0	194.0	115034.0	-74.1
6	-5.0	2.17	-0.2	-1321.6	1321.6	113013.0	-74.0	113013.0	-80.8
7	0.0	-0.00	-1.6	-1293.0	1293.0	111710.0	-270.0	111719.0	-87.8
8	5.0	-2.17	-0.5	-1247.3	1247.3	108408.0	-121.0	108408.0	-94.4
9	10.0	-4.34	2.7	-1200.0	1200.0	104475.0	320.0	104475.0	-90.4
10	15.0	-6.51	4.4	-1104.7	1104.7	94304.0	543.0	94306.0	-89.5
11	20.0	-8.68	5.3	-1013.0	1013.0	84901.0	674.0	84904.0	-88.1
12	25.0	-10.86	5.9	-939.1	939.1	77665.0	761.0	77669.0	-88.0
13	30.0	-13.03	6.5	-830.0	830.0	65982.0	819.0	65987.0	-83.7

\*\*\*\* LOAD SUMMARY REPORT \*\*\*\*

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

DEAD LOAD REPORT

LOAD CONDITION 5

MEAN WATER DEPTH = 139.800 FT

STRUCTURE DEAD LOAD =

-597.2605 KIPS

\*\*\* DEAD LOAD REPORT \*\*\*

LOAD CONDITION 5

MEAN WATER DEPTH = 139.800 FT

STRUCTURE DEAD LOAD =

-397.2605 KIPS

SEALUAP=2

DEVELOPED BY SYNERCOM TECHNOLOGY, INC.

HOUSTON, TEXAS

RELEASE 2 MOD 13

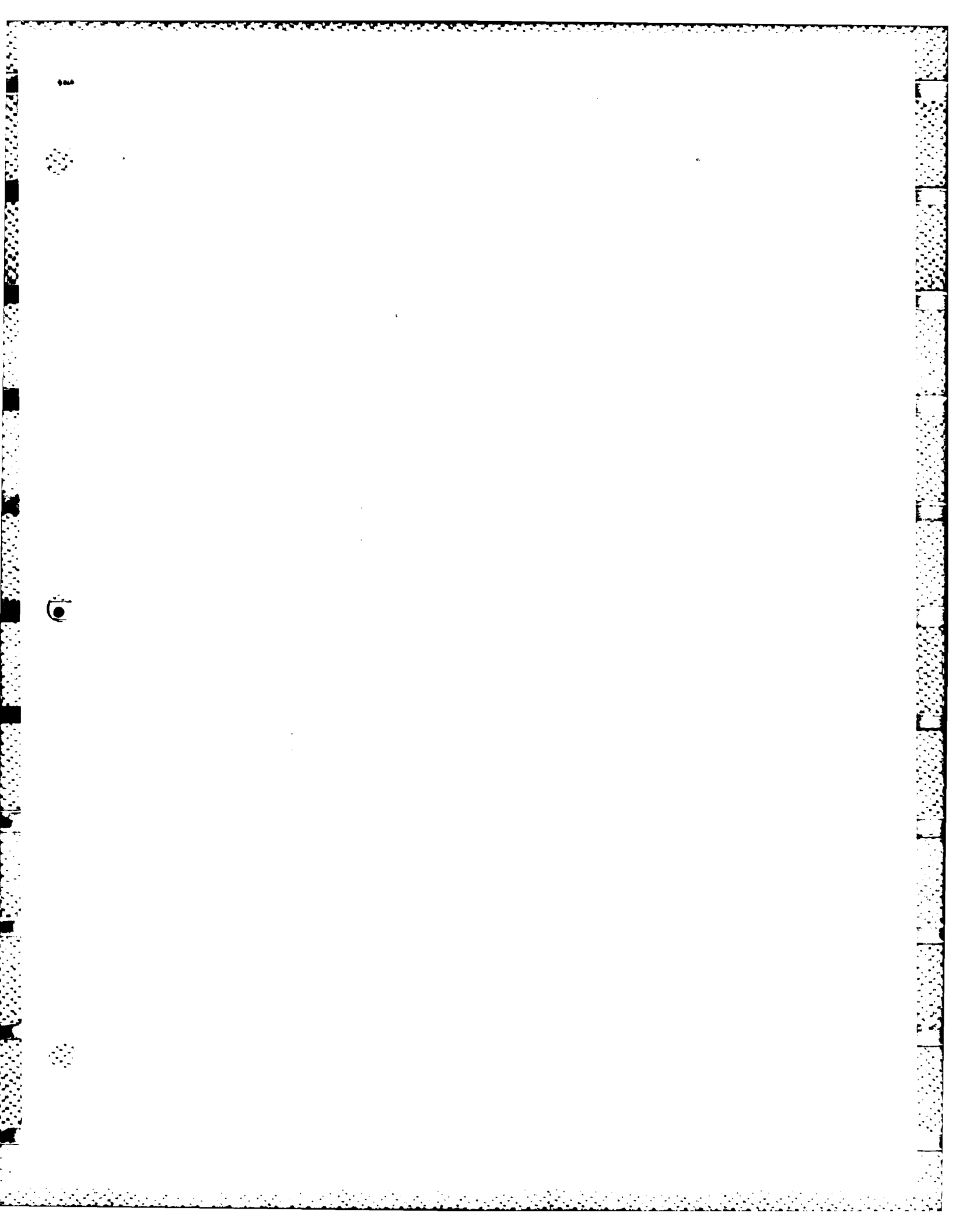
AUG 1976

LINE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42

1 SECT WISHBUN PRI 5000 3000000 3000000 3000000 1000 500 570 1800 358 50  
 2 SECT W1KX5U WFC 1820 125 00200 4020 750 398 793 245 50  
 3 SECT W1KX2U WFC 706 34 8250 1820 650 398 793 245 50  
 4 SECT W1KX15 WFC 456 11 3010 967 600 269 600 235 50  
 5 SECT W21A73 WFC 2150 502 160000 7060 830 0740 2124 0455 064  
 6 GROUP 000 862 500 29 116 36 100 100 5000  
 7 GROUP 100 1075 844 29 116 36 100 100 5000  
 8 GROUP 120 1275 500 29 116 36 80 100 5000  
 9 GROUP 125 1275 500 29 116 36 80 80 5000  
 10 GROUP 127 1075 365 100 80 5000  
 11 GROUP 137 1275 375 180 80 5000  
 12 GROUP 140 1075 365 80 80 5000  
 13 GROUP 149 1075 365 80 80 5000  
 14 GROUP 160 1400 375 29 116 36 80 80 5000  
 15 GROUP 161 1600 625 80 80 5000  
 16 GROUP 168 1275 375 160 80 5000  
 17 GROUP 184 1400 500 160 80 5000  
 18 GROUP 200 2000 525 29 116 36 80 80 5000  
 19 GROUP 201 2000 625 29 116 36 160 80 5000  
 20 GROUP 202 3000 1000 29 116 36 100 100 5000  
 21 GROUP 203 4200 1750 29 116 36 100 100 5000  
 22 GROUP 204 4200 2000 29 116 36 100 100 5000  
 23 GROUP 205 4200 2375 100 100 5000  
 24 GROUP 206 4650 1000 80 100 5000  
 25 GROUP 207 4650 1000 80 100 5000  
 26 GROUP 208 4650 1000 80 100 5000  
 27 GROUP 209 4550 500 80 100 5000  
 28 GROUP 210 4550 500 80 100 5000  
 29 GROUP 211 4550 500 80 100 5000  
 30 GROUP 212 1800 500 29 116 36 100 100 5000  
 31 GROUP 213 29 116 36 200 50 01  
 32 GROUP 214 29 116 36 100 100 01  
 33 GROUP 215 29 116 36 200 50 01  
 34 GROUP 216 29 116 36 100 100 01  
 35 GROUP 217 1800 500 29 116 36 100 100 5000  
 36 GROUP 218 WISHBUN 29 116 36 200 50 01  
 37 GROUP 219 W1KX5U 29 116 36 100 100 01  
 38 GROUP 220 W1KX2U 29 116 36 100 100 01  
 39 GROUP 221 W21A73 29 116 36 200 50 01  
 40 MEMBER  
 41 MEMBER 101 102 W1A 1800  
 42 MEMBER 102 103 W1A 1800

LINE NO. 1 2 3 4 5 6 7 8

43	MEMBER	103	105	W1A					1800
44	MEMBER	105	106	W1A					1800
45	MEMBER	101	104	W1A					1800
46	MEMBER	104	106	W1A					1800
47	MEMBER	102	104	W0A					0800
48	MEMBER	102	105	W0A					0800
49	MEMBER	104	105	W0A					0800
50	MEMBER	109	201	120SK	111	111			2400
51	MEMBER	201	202	W1A					1800
52	MEMBER	202	203	W1A					1800
53	MEMBER	203	205	W21					2100
54	MEMBER	205	205	W21					2100
55	MEMBER	201	204	W1A					1800
56	MEMBER	204	206	W1B					1800
57	MEMBER	202	204	W0B					0800
58	MEMBER	202	205	W0A					0800
59	MEMBER	204	205	W0A					0800
60	MEMBER	201	303	120					4300
61	MEMBER	203	303	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	502	105					1600
68	MEMBER	302	503	105					1600
69	MEMBER	303	505	105					1600
70	MEMBER	305	506	105					1600
71	MEMBER	301	504	105					1600
72	MEMBER	304	506	105					1600
73	MEMBER	302	504	125					1275
74	MEMBER	302	505	125					1275
75	MEMBER	304	505	125					1275
76	MEMBER	301	507	W0BSK					0000
77	MEMBER	307	510	W0BSK	1111				0000
78	MEMBER	303	508	W0BSK					0000
79	MEMBER	308	511	W0BSK	1111				0000
80	MEMBER	306	509	W0BSK					0000
81	MEMBER	304	512	W0BSK	1111				0000
82	MEMBER	301	513	125SK					1200
83	MEMBER	303	514	125SK					1200
84	MEMBER	313	651	W0BSK					4000
85	MEMBER	314	653	W0BSK					4000
86	MEMBER	601	611	106SK					1400
87	MEMBER	603	613	106SK					1400
88	MEMBER	601	601	106SK					
89	MEMBER	603	603	106SK					
90	MEMBER	611	612	066SK					1200
91	MEMBER	612	613	066SK					1200
92	MEMBER	601	602	066SK					2680





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LINE NO. 1 2 3 4 5 6 7 8

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								0000
148	MEMBER	901	907	WB'SK								0000
149	MEMBER	907	910	WB'SK	1111							0000
150	MEMBER	903	909	WB'SK								0000
151	MEMBER	906	911	WB'SK	1111							0000
152	MEMBER	906	909	WB'SK								0000
153	MEMBER	909	912	WB'SK	1111							0000
154	MEMBER	901	1002	160								2481
155	MEMBER	903	1002	160								2481
156	MEMBER	903	1005	160								2481
157	MEMBER	906	1005	160								2481
158	MEMBER	901	1004	160								2481
159	MEMBER	906	1004	160								2481
160	MEMBER	1001	1002	200								3032
161	MEMBER	1002	1003	200								3032
162	MEMBER	1003	1005	200								3032
163	MEMBER	1003	1006	200								3032
164	MEMBER	1003	1004	200								3032
165	MEMBER	1004	1006	200								3032
166	MEMBER	1002	1004	100								2205
167	MEMBER	1002	1005	100								2205
168	MEMBER	1004	1005	100								2205
169	MEMBER	1001	1007	WB'SK								0000
170	MEMBER	1007	1010	WB'SK	1111							0000
171	MEMBER	1003	1008	WB'SK								0000
172	MEMBER	1003	1011	WB'SK	1111							0000
173	MEMBER	1008	1009	WB'SK								0000
174	MEMBER	1009	1012	WB'SK	1111							0000
175	MEMBER	101	201	0AL								0000
176	MEMBER	103	203	0AL								3000
177	MEMBER	100	200	0AL								3000
178	MEMBER	201	301	0AL								3000
179	MEMBER	203	303	0AL								3000
180	MEMBER	204	306	0AL								3000
181	MEMBER	301	401	0AL								3000
182	MEMBER	303	403	0AL								3000
183	MEMBER	306	406	0AL								3000
184	MEMBER	401	501	JL4						F	4750	3000
185	MEMBER	403	503	JL4						F	4750	3000
186	MEMBER	406	506	JL4						F	4750	3000
187	MEMBER	501	601	JL5						F	4750	3000
188	MEMBER	503	603	JL5						F	4750	3000
189	MEMBER	506	606	JL5						F	4750	3000
190	MEMBER	601	641	JL6						F	4750	3000
191	MEMBER	603	643	JL6						F	4750	3000
192	MEMBER	606	646	JL6						F	4750	3000

SEALOAD-2

LINE NO. 1 2 3 4 5 6 7 8

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	901	1001	JL9					F	6547
206	MEMBER	903	1003	JL9					F	6547
207	MEMBER	906	1006	JL9					F	6547
208	MEMBER	401	510	M1					F	0000 1
209	MEMBER	403	511	M1					F	0000 2
210	MEMBER	406	512	M1					F	0000 3
211	MEMBER	510	710	M1					F	0000 1
212	MEMBER	511	711	M1					F	0000 2
213	MEMBER	512	712	M1					F	0000 3
214	MEMBER	710	810	M2					F	0000 1
215	MEMBER	711	811	M2					F	0000 2
216	MEMBER	712	812	M2					F	0000 3
217	MEMBER	810	910	M2					F	0000 1
218	MEMBER	811	911	M2					F	0000 2
219	MEMBER	812	912	M2					F	0000 3
220	MEMBER	910	1010	M3					F	0000 1
221	MEMBER	911	1011	M3					F	0000 2
222	MEMBER	912	1012	M3					F	0000 3
223	FJ040									
224	CVMS	4		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	PT	2	0.0	0.0						
231	PUNCE		0.0	0.0						
232	DEPL		0.0	20.0						
233	PT	2	5.0	0.0						
234	PUNCE		0.0	0.0						
235	DEPL		0.0	20.0						
236	PT	6	0.0	0.0						
237	PUNCE		0.0	0.107		0.129	0.153	0.169	0.186	
238	PUNCE		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	PT	6	14.0	0.0						
242	PUNCE		0.0	0.366		0.611	0.906	1.136	1.440	

LINE NO. 1 2 3 4 5 6 7 8

243	FURCE	2.274	2.274	2.274	0.036	0.11	0.26	0.42	0.70
244	DEPL	0.0	0.036	20.0					
245	DEPL	1.58	20.0						
246	PT	20.0							
247	FURCE	0.0	1.204	2.347	2.896	3.644	4.450	5.337	6.572
248	FURCE	5.830	5.830						
249	DEPL	0.0	0.069	0.28	0.45	0.70			
250	DEPL	1.58	20.0						
251	PT	35.0							
252	FURCE	0.0	2.789	3.444	4.450	5.337	6.572		
253	FURCE	10.515	10.515						
254	DEPL	0.0	0.12	0.31	0.45	0.70			
255	DEPL	1.58	20.0						
256	PT	35.0							
257	FURCE	0.0	1.354	2.494	3.384	4.594			
258	FURCE	4.594	4.594						
259	DEPL	0.0	0.064	0.16	0.40	1.01	2.52		
260	DEPL	20.0							
261	PT	45.0							
262	FURCE	0.0	2.521	3.150	4.275	5.802	7.875		
263	FURCE	7.875	7.875						
264	DEPL	0.0	0.064	0.16	0.40	1.01	2.52		
265	DEPL	20.0							
266	PT	45.0							
267	FURCE	0.0	2.532	3.433	4.719	5.791	7.259		
268	FURCE	11.815	11.815						
269	DEPL	0.0	0.078	0.15	0.29	0.44	0.70		
270	DEPL	1.58	20.0						
271	PT	65.0							
272	FURCE	0.0	3.542	4.840	6.080	8.210	10.303		
273	FURCE	18.485	18.485						
274	DEPL	0.0	0.075	0.15	0.28	0.44	0.70		
275	DEPL	1.58	20.0						
276	PT	90.0							
277	FURCE	0.0	4.756	6.551	9.079	11.170	14.040		
278	FURCE	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	PT	90.0							
282	FURCE	0.0	1.499	3.003	4.689	5.988	7.706		
283	FURCE	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	PT	95.0							
287	FURCE	0.0	1.581	3.167	4.945	6.314	8.126		
288	FURCE	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	PT	114.0							
292	FURCE	0.0	1.838	3.728	5.833	7.452	9.594		

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
293	FUNCE	15.350	15.350					
294	DEFL	0.0	0.022	0.097	0.25	0.41	0.70	
295	DEFL	1.58	20.0					
296	PILE	1011	200.0	11.6				
297	PILE	1012	200.0	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			EGM DECK
306	JOINT	202	000	-837	15300			EGM DECK
307	JOINT	203	-1450	-837	15300			EGM DECK
308	JOINT	204	725	418	15300			EGM DECK
309	JOINT	205	-725	418	15300			EGM DECK
310	JOINT	206	000	1674	15300			EGM 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	1648	-973	10533			S LEVEL
324	JOINT	508	-1648	-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			BUAT LUG
332	JOINT	603	-1601	-925	9900			BUAT LUG
333	JOINT	606	000	1848	9900			BUAT LUG
334	JOINT	611	1601	-1525	9900			BUAT LUG
335	JOINT	612	000	-1525	9900			BUAT LUG
336	JOINT	615	-1601	-1525	9900			BUAT LUG
337	JOINT	611	1686	-975	9300			MLA
338	JOINT	612	-1686	-975	9300			MLA
339	JOINT	615	000	1686	9300			MLA
340	JOINT	611	1686	-975	9300			MLA
341	JOINT	612	-1686	-975	9300			MLA
342	JOINT	615	000	1686	9300			MLA

SEALOAD=2

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
345	JOINT 051	1775	-1025	8700				BUAT LUG
346	JOINT 053	-1775	-1025	8700				BUAT LUG
347	JOINT 050	000	2049	8700				BUAT LUG
348	JOINT 051	1775	-1525	8700				BUAT LUG
349	JOINT 052	000	-1525	8700				BUAT LUG
350	JOINT 701	1876	-1983	8000				7 LEVEL
351	JOINT 702	000	-1083	8000				7 LEVEL
352	JOINT 703	-1876	-1083	8000				7 LEVEL
353	JOINT 704	938	542	8000				7 LEVEL
354	JOINT 705	-938	542	8000				7 LEVEL
355	JOINT 706	000	2166	8000				7 LEVEL
356	JOINT 707	2047	-1182	8033				7 LEVEL
357	JOINT 708	-2047	-1182	8033				7 LEVEL
358	JOINT 709	000	2363	8033				7 LEVEL
359	JOINT 710	1876	-1083	8001				7 LEVEL
360	JOINT 711	-1876	-1083	8001				7 LEVEL
361	JOINT 712	000	2166	8001				7 LEVEL
362	JOINT 801	2251	-1300	5400				8 LEVEL
363	JOINT 802	000	-1300	5400				8 LEVEL
364	JOINT 803	-2251	-1300	5400				8 LEVEL
365	JOINT 804	1126	650	5400				8 LEVEL
366	JOINT 805	-1126	650	5400				8 LEVEL
367	JOINT 806	000	2599	5400				8 LEVEL
368	JOINT 807	2422	-1394	5433				8 LEVEL
369	JOINT 808	-2422	-1394	5433				8 LEVEL
370	JOINT 809	000	2747	5433				8 LEVEL
371	JOINT 810	2251	-1300	5401				8 LEVEL
372	JOINT 811	-2251	-1300	5401				8 LEVEL
373	JOINT 812	000	2599	5401				8 LEVEL
374	JOINT 901	2641	-1525	2700				9 LEVEL
375	JOINT 902	000	-1525	2700				9 LEVEL
376	JOINT 903	-2641	-1525	2700				9 LEVEL
377	JOINT 904	1320	762	2700				9 LEVEL
378	JOINT 905	-1320	762	2700				9 LEVEL
379	JOINT 906	000	3049	2700				9 LEVEL
380	JOINT 907	2612	-1623	2733				9 LEVEL
381	JOINT 908	-2612	-1623	2733				9 LEVEL
382	JOINT 909	000	3267	2733				9 LEVEL
383	JOINT 910	2641	-1525	2701				9 LEVEL
384	JOINT 911	-2641	-1525	2701				9 LEVEL
385	JOINT 1001	3031	-1750	000				MODLINE
386	JOINT 1002	000	-1750	000				MODLINE
387	JOINT 1003	-3031	-1750	000				MODLINE
388	JOINT 1004	1515	675	000				MODLINE
389	JOINT 1005	-1515	675	000				MODLINE
390	JOINT 1006	000	3499	000				MODLINE
391	JOINT 1007	3201	-1444	033				MODLINE
392	JOINT 1008	-3201	-1444	033				MODLINE



SEALOAD=2

LINE	NO.	1	2	3	4	5	6	7	8
443	LUAD Z	203 306	29.72	69	2.93	65	GLUB UNIF	MV 0 1	
444	LUAD X	206 301	22.22	85	3.48	135	GLUB UNIF	MV 0 1	
445	LUAD Y	206 301	22.22	84	3.48	124	GLUB UNIF	MV 0 1	
446	LUAD Z	209 301	22.22	68	3.48	68	GLUB UNIF	MV 0 1	
447	LUAD A	206 301	25.69	135	3.48	164	GLUB UNIF	MV 0 1	
448	LUAD Y	206 301	25.69	124	3.48	158	GLUB UNIF	MV 0 1	
449	LUAD Z	209 301	25.69	86	3.48	102	GLUB UNIF	MV 0 1	
450	LUAD A	209 301	29.17	164	3.48	176	GLUB UNIF	MV 0 1	
451	LUAD Y	206 301	29.17	158	3.48	167	GLUB UNIF	MV 0 1	
452	LUAD Z	209 301	29.17	102	3.48	106	GLUB UNIF	MV 0 1	
453	LUAD X	301 403	0.00	44	20.33	56	GLUB UNIF	MV 0 1	
454	LUAD Y	301 403	0.00	124	20.33	154	GLUB UNIF	MV 0 1	
455	LUAD Z	303 306	0.00	45	20.33	57	GLUB UNIF	MV 0 1	
456	LUAD X	301 403	20.33	56	20.33	58	GLUB UNIF	MV 0 1	
457	LUAD Y	301 403	20.33	154	20.33	95	GLUB UNIF	MV 0 1	
458	LUAD Z	303 306	20.33	57	20.33	39	GLUB UNIF	MV 0 1	
459	LUAD Y	301 303	0.00	108	29.00	105	GLUB UNIF	MV 0 1	
460	LUAD X	301 306	0.00	13	29.00	23	GLUB UNIF	MV 0 1	
461	LUAD Z	303 306	0.00	25	9.67	17	GLUB UNIF	MV 0 1	
462	LUAD A	303 306	9.67	17	9.67	09	GLUB UNIF	MV 0 1	
463	LUAD Y	303 306	19.33	04	7.36		GLUB UNIF	MV 0 1	
464	LUAD Z	303 306	28.71		2.64	05	GLUB UNIF	MV 0 1	
465	LUAD X	301 306	0.00	95	9.67	90	GLUB UNIF	MV 0 1	
466	LUAD Y	301 306	0.00	54	9.67	52	GLUB UNIF	MV 0 1	
467	LUAD Z	301 306	0.00	13	9.67	09	GLUB UNIF	MV 0 1	
468	LUAD A	301 306	9.67	90	9.67	86	GLUB UNIF	MV 0 1	
469	LUAD Y	301 306	9.67	52	9.67	50	GLUB UNIF	MV 0 1	
470	LUAD Z	301 306	9.67	04	9.67	05	GLUB UNIF	MV 0 1	
471	LUAD X	301 306	19.33	46	9.67	59	GLUB UNIF	MV 0 1	
472	LUAD Y	301 306	19.33	50	9.67	34	GLUB UNIF	MV 0 1	
473	LUAD Z	301 306	19.33	05	6.09		GLUB UNIF	MV 0 1	
474	LUAD A	301 306	25.42		3.57	03	GLUB UNIF	MV 0 1	
475	LUAD Y	301 306	0.00	60	15.15	60	GLUB UNIF	MV 0 1	
476	LUAD Z	301 306	0.00	08	15.15	09	GLUB UNIF	MV 0 1	
477	LUAD A	301 306	0.00	60	15.15	58	GLUB UNIF	MV 0 1	
478	LUAD Y	301 306	0.00	09	15.15	09	GLUB UNIF	MV 0 1	
479	LUAD Z	301 306	0.00	09	15.15	04	GLUB UNIF	MV 0 1	
480	LUAD A	301 306	0.00	08	15.15	04	GLUB UNIF	MV 0 1	
481	LUAD Y	301 306	0.00	52	15.15	52	GLUB UNIF	MV 0 1	
482	LUAD Z	301 306	0.00	30	15.15	30	GLUB UNIF	MV 0 1	
483	LUAD A	301 306	0.00	08	15.15	06	GLUB UNIF	MV 0 1	
484	LUAD Y	301 306	0.00	52	15.15	51	GLUB UNIF	MV 0 1	
485	LUAD Z	301 306	0.00	30	15.15	24	GLUB UNIF	MV 0 1	
486	LUAD A	301 306	0.00	06	15.15	04	GLUB UNIF	MV 0 1	
487	LUAD Y	301 306	0.00	06	7.57	05	GLUB UNIF	MV 0 1	
488	LUAD Z	301 306	7.57	05	7.57	04	GLUB UNIF	MV 0 1	
489	LUAD A	301 306	0.00	42	15.15	41	GLUB UNIF	MV 0 1	
490	LUAD Y	301 306	0.00	24	15.15	24	GLUB UNIF	MV 0 1	
491	LUAD Z	301 306	0.00	06	15.15	05	GLUB UNIF	MV 0 1	
492	LUAD A	301 306	0.00	48	15.15	48	GLUB UNIF	MV 0 1	



SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
493	LJAU Z	504 505	04 15.14=	05		GLUB UNIF	MV 0 1	
494	LJAU A	501 513	26 3.00	26		GLUB UNIF	MV 0 1	
495	LJAU Y	501 513	0.00	45		GLUB UNIF	MV 0 1	
496	LJAU Z	501 513	0.00=	04		GLUB UNIF	MV 0 1	
497	LJAU A	503 514	0.00=	13		GLUB UNIF	MV 0 1	
498	LJAU Y	503 514	0.00	22		GLUB UNIF	MV 0 1	
499	LJAU Z	503 514	0.00=	05		GLUB UNIF	MV 0 1	
500	LJAU A	513 651	0.00	92		GLUB UNIF	MV 0 1	
501	LJAU Y	513 651	0.00	159		GLUB UNIF	MV 0 1	
502	LJAU X	513 651	0.00	81		GLUB UNIF	MV 0 1	
503	LJAU Y	513 651	0.00	141		GLUB UNIF	MV 0 1	
504	LJAU X	513 651	12.00	73		GLUB UNIF	MV 0 1	
505	LJAU Y	513 651	12.00	126		GLUB UNIF	MV 0 1	
506	LJAU X	514 653	0.00	79		GLUB UNIF	MV 0 1	
507	LJAU Y	514 653	0.00	136		GLUB UNIF	MV 0 1	
508	LJAU X	514 653	0.00	70		GLUB UNIF	MV 0 1	
509	LJAU Y	514 653	0.00	121		GLUB UNIF	MV 0 1	
510	LJAU A	514 653	12.00	63		GLUB UNIF	MV 0 1	
511	LJAU Y	514 653	12.00	108		GLUB UNIF	MV 0 1	
512	LJAU X	601 611	0.00	27		GLUB UNIF	MV 0 1	
513	LJAU Z	601 611	0.00=	05		GLUB UNIF	MV 0 1	
514	LJAU A	603 613	0.00	26		GLUB UNIF	MV 0 1	
515	LJAU Z	603 613	0.00=	07		GLUB UNIF	MV 0 1	
516	LJAU Y	611 612	0.00	40		GLUB UNIF	MV 0 1	
517	LJAU Z	611 612	0.00=	04		GLUB UNIF	MV 0 1	
518	LJAU Y	612 613	0.00	39		GLUB UNIF	MV 0 1	
519	LJAU Z	612 613	0.00=	05		GLUB UNIF	MV 0 1	
520	LJAU A	601 602	0.00	71		GLUB UNIF	MV 0 1	
521	LJAU Z	601 602	0.00=	04		GLUB UNIF	MV 0 1	
522	LJAU Y	602 603	0.00	71		GLUB UNIF	MV 0 1	
523	LJAU Z	602 603	0.00=	05		GLUB UNIF	MV 0 1	
524	LJAU X	611 601	0.00	53		GLUB UNIF	MV 0 1	
525	LJAU Y	611 601	0.00	101		GLUB UNIF	MV 0 1	
526	LJAU Z	611 601	0.00	08		GLUB UNIF	MV 0 1	
527	LJAU X	611 601	0.00	46		GLUB UNIF	MV 0 1	
528	LJAU Y	611 601	0.00	91		GLUB UNIF	MV 0 1	
529	LJAU Z	611 601	0.00	07		GLUB UNIF	MV 0 1	
530	LJAU X	612 602	0.00	36		GLUB UNIF	MV 0 1	
531	LJAU Y	612 602	0.00	65		GLUB UNIF	MV 0 1	
532	LJAU Z	612 602	0.00	34		GLUB UNIF	MV 0 1	
533	LJAU Y	612 602	0.00	58		GLUB UNIF	MV 0 1	
534	LJAU A	613 603	0.00	54		GLUB UNIF	MV 0 1	
535	LJAU Y	613 603	0.00	89		GLUB UNIF	MV 0 1	
536	LJAU Z	613 603	0.00=	08		GLUB UNIF	MV 0 1	
537	LJAU A	613 603	0.00	44		GLUB UNIF	MV 0 1	
538	LJAU Y	613 603	0.00	79		GLUB UNIF	MV 0 1	
539	LJAU Z	613 603	0.00=	07		GLUB UNIF	MV 0 1	
540	LJAU A	501 642	0.00	16		GLUB UNIF	MV 0 1	
541	LJAU Y	501 642	0.00	75		GLUB UNIF	MV 0 1	
542	LJAU Z	501 642	0.00=	31		GLUB UNIF	MV 0 1	

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
543	LJAU A	501 642	10.12	17	10.12	16	GLUB UNIF	MV 0 1
544	LJAU Y	501 642	10.12	66	10.12	58	GLUB UNIF	MV 0 1
545	LJAU Z	501 642	10.12	28	10.12	26	GLUB UNIF	MV 0 1
546	LJAU A	503 645	0.00	14	6.75	14	GLUB UNIF	MV 0 1
547	LJAU Y	503 645	0.00	18	6.75	17	GLUB UNIF	MV 0 1
548	LJAU Z	503 645	0.00	50	6.75	24	GLUB UNIF	MV 0 1
549	LJAU A	503 645	6.75	14	6.75	13	GLUB UNIF	MV 0 1
550	LJAU Y	503 645	6.75	17	6.75	16	GLUB UNIF	MV 0 1
551	LJAU Z	503 645	6.75	29	6.75	28	GLUB UNIF	MV 0 1
552	LJAU A	503 645	13.50	13	6.75	13	GLUB UNIF	MV 0 1
553	LJAU Y	503 645	13.50	16	6.75	15	GLUB UNIF	MV 0 1
554	LJAU Z	503 645	13.50	28	6.75	26	GLUB UNIF	MV 0 1
555	LJAU A	506 644	0.00	55	10.12	44	GLUB UNIF	MV 0 1
556	LJAU Y	506 644	0.00	57	10.12	52	GLUB UNIF	MV 0 1
557	LJAU Z	506 644	0.00	23	10.12	23	GLUB UNIF	MV 0 1
558	LJAU A	506 644	10.12	49	10.12	44	GLUB UNIF	MV 0 1
559	LJAU Y	506 644	10.12	52	10.12	48	GLUB UNIF	MV 0 1
560	LJAU Z	506 644	10.12	23	10.12	21	GLUB UNIF	MV 0 1
561	LJAU A	642 703	0.00	21	7.31	19	GLUB UNIF	MV 0 1
562	LJAU Y	642 703	0.00	46	7.31	40	GLUB UNIF	MV 0 1
563	LJAU Z	642 703	0.00	35	7.31	33	GLUB UNIF	MV 0 1
564	LJAU A	642 703	7.31	19	7.31	18	GLUB UNIF	MV 0 1
565	LJAU Y	642 703	7.31	80	7.31	73	GLUB UNIF	MV 0 1
566	LJAU Z	642 703	7.31	33	7.31	30	GLUB UNIF	MV 0 1
567	LJAU A	642 703	14.62	18	7.31	16	GLUB UNIF	MV 0 1
568	LJAU Y	642 703	14.62	73	7.31	67	GLUB UNIF	MV 0 1
569	LJAU Z	642 703	14.62	30	7.31	27	GLUB UNIF	MV 0 1
570	LJAU A	645 706	0.00	20	7.31	18	GLUB UNIF	MV 0 1
571	LJAU Y	645 706	0.00	25	7.31	24	GLUB UNIF	MV 0 1
572	LJAU Z	645 706	0.00	43	7.31	40	GLUB UNIF	MV 0 1
573	LJAU A	645 706	7.31	18	7.31	17	GLUB UNIF	MV 0 1
574	LJAU Y	645 706	7.31	24	7.31	22	GLUB UNIF	MV 0 1
575	LJAU Z	645 706	7.31	40	7.31	37	GLUB UNIF	MV 0 1
576	LJAU A	645 706	14.62	17	7.31	16	GLUB UNIF	MV 0 1
577	LJAU Y	645 706	14.62	22	7.31	20	GLUB UNIF	MV 0 1
578	LJAU Z	645 706	14.62	37	7.31	34	GLUB UNIF	MV 0 1
579	LJAU A	644 701	0.00	66	10.97	59	GLUB UNIF	MV 0 1
580	LJAU Y	644 701	0.00	69	10.97	62	GLUB UNIF	MV 0 1
581	LJAU Z	644 701	0.00	26	10.97	26	GLUB UNIF	MV 0 1
582	LJAU A	644 701	10.97	59	10.97	52	GLUB UNIF	MV 0 1
583	LJAU Y	644 701	10.97	62	10.97	55	GLUB UNIF	MV 0 1
584	LJAU Z	644 701	10.97	26	10.97	23	GLUB UNIF	MV 0 1
585	LJAU A	701 702	0.00	47	16.76	46	GLUB UNIF	MV 0 1
586	LJAU Y	701 702	0.00	02	18.76	03	GLUB UNIF	MV 0 1
587	LJAU Z	701 702	0.00	08	16.76	06	GLUB UNIF	MV 0 1
588	LJAU A	702 703	0.00	13	16.76	03	GLUB UNIF	MV 0 1
589	LJAU Y	702 703	0.00	03	18.76	02	GLUB UNIF	MV 0 1
590	LJAU Z	703 705	0.00	02	6.25	02	GLUB UNIF	MV 0 1
591	LJAU A	705 706	6.25	02	6.25	1	GLUB UNIF	MV 0 1
592	LJAU Z	705 706	12.50	1	6.25		GLUB UNIF	MV 0 1

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LINE NO.	1	2	3	4	5	6	7	8
593	LUAD A 701 704	0.00	41 18.76	40		GLUB UNIF	MV 0 1	
594	LUAD Y 701 704	0.00	24 18.76	23		GLUB UNIF	MV 0 1	
595	LJAU 4 701 704	0.00	02 18.75	02		GLUB UNIF	MV 0 1	
596	LUAD A 704 706	0.00	40 18.75	38		GLUB UNIF	MV 0 1	
597	LUAD Y 704 706	0.00	23 18.75	22		GLUB UNIF	MV 0 1	
598	LUAD 4 704 706	0.00	02 18.75	06		GLUB UNIF	MV 0 1	
599	LUAD 2 702 704	0.00	08 18.76	06		GLUB UNIF	MV 0 1	
600	LUAD X 702 705	0.00	35 18.76	36		GLUB UNIF	MV 0 1	
601	LUAD Y 702 705	0.00	21 18.75	21		GLUB UNIF	MV 0 1	
602	LUAD 4 702 705	0.00	08 18.75	07		GLUB UNIF	MV 0 1	
603	LUAD Y 704 705	0.00	42 18.76	42		GLUB UNIF	MV 0 1	
604	LJAU 4 704 705	0.00	06 18.75	07		GLUB UNIF	MV 0 1	
605	LUAD A 701 805	0.00	54 18.27	51		GLUB UNIF	MV 0 1	
606	LUAD Y 701 805	0.00	39 18.27	35		GLUB UNIF	MV 0 1	
607	LUAD 4 701 805	0.00	14 18.27	13		GLUB UNIF	MV 0 1	
608	LUAD A 701 805	18.27	51 18.27	44		GLUB UNIF	MV 0 1	
609	LUAD Y 701 805	18.27	35 18.27	30		GLUB UNIF	MV 0 1	
610	LUAD 4 701 805	18.27	13 18.27	11		GLUB UNIF	MV 0 1	
611	LJAU 4 701 805	32.55	44 18.27	36		GLUB UNIF	MV 0 1	
612	LUAD Y 701 805	32.55	30 18.27	27		GLUB UNIF	MV 0 1	
613	LUAD 4 701 805	32.55	11 18.27	11		GLUB UNIF	MV 0 1	
614	LUAD A 705 801	0.00	09 18.28	06		GLUB UNIF	MV 0 1	
615	LUAD Y 705 801	0.00	70 18.28	63		GLUB UNIF	MV 0 1	
616	LUAD 4 705 801	0.00	08 18.28	08		GLUB UNIF	MV 0 1	
617	LJAU 4 705 801	18.28	08 18.28	08		GLUB UNIF	MV 0 1	
618	LUAD Y 703 801	18.28	63 18.28	56		GLUB UNIF	MV 0 1	
619	LUAD 4 703 801	18.28	08 18.28	08		GLUB UNIF	MV 0 1	
620	LJAU 4 703 801	32.55	08 18.28	07		GLUB UNIF	MV 0 1	
621	LUAD Y 703 801	32.55	56 18.28	50		GLUB UNIF	MV 0 1	
622	LUAD 4 705 801	32.55	08 18.28	07		GLUB UNIF	MV 0 1	
623	LUAD A 705 801	0.00	10 18.28	10		GLUB UNIF	MV 0 1	
624	LUAD Y 705 801	0.00	23 18.28	22		GLUB UNIF	MV 0 1	
625	LUAD 4 705 801	0.00	40 18.28	38		GLUB UNIF	MV 0 1	
626	LJAU 4 705 801	18.28	10 18.28	09		GLUB UNIF	MV 0 1	
627	LUAD Y 706 803	18.28	22 18.28	20		GLUB UNIF	MV 0 1	
628	LJAU 4 706 803	18.28	38 18.28	34		GLUB UNIF	MV 0 1	
629	LUAD A 706 803	32.55	09 18.28	07		GLUB UNIF	MV 0 1	
630	LUAD Y 706 803	32.55	20 18.28	18		GLUB UNIF	MV 0 1	
631	LUAD 4 706 803	32.55	34 18.28	28		GLUB UNIF	MV 0 1	
632	LJAU 4 706 803	0.00	32 22.51	32		GLUB UNIF	MV 0 1	
633	LUAD 2 801 802	0.00	02 22.51	02		GLUB UNIF	MV 0 1	
634	LUAD Y 802 803	0.00	32 22.51	31		GLUB UNIF	MV 0 1	
635	LJAU 4 802 803	0.00	02 22.51	02		GLUB UNIF	MV 0 1	
636	LUAD 2 805 805	0.00	02 22.51	02		GLUB UNIF	MV 0 1	
637	LJAU 4 805 806	0.00	02 11.25	01		GLUB UNIF	MV 0 1	
638	LUAD 4 805 806	11.25	1 11.25	1		GLUB UNIF	MV 0 1	
639	LJAU A 801 804	0.00	28 22.51	28		GLUB UNIF	MV 0 1	
640	LUAD Y 801 804	0.00	18 22.51	18		GLUB UNIF	MV 0 1	
641	LUAD 4 801 804	0.00	02 22.51	01		GLUB UNIF	MV 0 1	
642	LUAD A 804 805	0.00	28 22.51	26		GLUB UNIF	MV 0 1	

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LINE NO.	1	2	3	4	5	6	7	8
643	LUAU Y 804 806	0.00	16	22.51	15	GLUB UNIF	MV 0 1	
644	LUAU Z 804 806	0.00=	1	22.51=	1	GLUB UNIF	MV 0 1	
645	LUAU Z 802 804	0.00=	05	22.52=	04	GLUB UNIF	MV 0 1	
646	LUAU X 802 805	0.00	24	22.52	25	GLUB UNIF	MV 0 1	
647	LUAU Y 802 805	0.00	14	22.52	14	GLUB UNIF	MV 0 1	
648	LUAU Z 802 805	0.00=	05	22.52=	05	GLUB UNIF	MV 0 1	
649	LUAU Y 804 805	0.00	24	22.52	24	GLUB UNIF	MV 0 1	
650	LUAU Z 804 805	0.00=	04	22.52=	05	GLUB UNIF	MV 0 1	
651	LUAU X 801 803	0.00	07	18.64	07	GLUB UNIF	MV 0 1	
652	LUAU Y 801 803	0.00	46	18.64	43	GLUB UNIF	MV 0 1	
653	LUAU Z 801 803	0.00=	17	18.64=	15	GLUB UNIF	MV 0 1	
654	LUAU X 801 803	18.64	07	18.64	06	GLUB UNIF	MV 0 1	
655	LUAU Y 801 803	18.64	45	18.64	37	GLUB UNIF	MV 0 1	
656	LUAU Z 801 803	18.64=	15	18.64=	15	GLUB UNIF	MV 0 1	
657	LUAU X 801 803	37.28	06	18.64	05	GLUB UNIF	MV 0 1	
658	LUAU Y 801 803	37.28	57	18.64	52	GLUB UNIF	MV 0 1	
659	LUAU Z 801 803	37.28=	15	18.64=	11	GLUB UNIF	MV 0 1	
660	LUAU X 803 805	0.00	06	18.64	06	GLUB UNIF	MV 0 1	
661	LUAU Y 803 805	0.00	07	18.64	07	GLUB UNIF	MV 0 1	
662	LUAU Z 803 805	0.00	17	18.64	17	GLUB UNIF	MV 0 1	
663	LUAU X 803 805	18.64	06	18.64	06	GLUB UNIF	MV 0 1	
664	LUAU Y 803 805	18.64	07	18.64	07	GLUB UNIF	MV 0 1	
665	LUAU Z 803 805	18.64	17	18.64	17	GLUB UNIF	MV 0 1	
666	LUAU X 803 805	37.28	06	18.64	06	GLUB UNIF	MV 0 1	
667	LUAU Y 803 805	37.28	07	18.64	07	GLUB UNIF	MV 0 1	
668	LUAU Z 803 805	37.28	17	18.64	16	GLUB UNIF	MV 0 1	
669	LUAU X 806 801	0.00	37	18.64	34	GLUB UNIF	MV 0 1	
670	LUAU Y 806 801	0.00	52	18.64	30	GLUB UNIF	MV 0 1	
671	LUAU Z 806 801	0.00=	14	18.64=	13	GLUB UNIF	MV 0 1	
672	LUAU X 806 801	18.64	34	18.64	31	GLUB UNIF	MV 0 1	
673	LUAU Y 806 801	18.64	50	18.64	28	GLUB UNIF	MV 0 1	
674	LUAU Z 806 801	18.64=	15	18.64=	12	GLUB UNIF	MV 0 1	
675	LUAU X 806 801	37.28	31	18.64	28	GLUB UNIF	MV 0 1	
676	LUAU Y 806 801	37.28	28	18.64	25	GLUB UNIF	MV 0 1	
677	LUAU Z 806 801	37.28=	12	18.64=	10	GLUB UNIF	MV 0 1	
678	LUAU X 901 802	0.00	26	26.41	26	GLUB UNIF	MV 0 1	
679	LUAU Y 901 802	0.00=	1	26.41=	1	GLUB UNIF	MV 0 1	
680	LUAU Z 901 802	0.00	26	26.41	25	GLUB UNIF	MV 0 1	
681	LUAU X 902 803	0.00=	1	26.41=	1	GLUB UNIF	MV 0 1	
682	LUAU Y 902 803	0.00=	1	26.41=	1	GLUB UNIF	MV 0 1	
683	LUAU Z 902 803	0.00=	1	26.41=	1	GLUB UNIF	MV 0 1	
684	LUAU X 901 804	0.00	23	26.41	22	GLUB UNIF	MV 0 1	
685	LUAU Y 901 804	0.00	13	26.41	15	GLUB UNIF	MV 0 1	
686	LUAU Z 901 804	0.00=	1	26.41=	1	GLUB UNIF	MV 0 1	
687	LUAU X 904 806	0.00	22	26.41	21	GLUB UNIF	MV 0 1	
688	LUAU Y 904 806	0.00	15	26.41	12	GLUB UNIF	MV 0 1	
689	LUAU Z 904 806	0.00=	1	26.41=	1	GLUB UNIF	MV 0 1	
690	LUAU X 902 804	0.00=	02	26.41=	02	GLUB UNIF	MV 0 1	
691	LUAU Y 902 804	0.00	18	26.41	18	GLUB UNIF	MV 0 1	
692	LUAU Z 902 804	0.00	10	26.41	11	GLUB UNIF	MV 0 1	

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LINE NO. 1 2 3 4 5 6 7 8

693	LUAD 4	902 905	0.00	02	26.41	02	GL0B UNIF	MV 0 1
694	LUAD 7	904 905	0.00	22	26.40	21	GL0B UNIF	MV 0 1
695	LUAD 2	904 905	0.00	02	26.40	02	GL0B UNIF	MV 0 1
696	LUAD X	9011002	0.00	08	12.61	07	GL0B UNIF	MV 0 1
697	LUAD Y	9011002	0.00	29	12.61	27	GL0B UNIF	MV 0 1
698	LUAD Z	9011002	0.00	10	12.61	10	GL0B UNIF	MV 0 1
699	LUAD X	9011002	12.61	07	12.61	06	GL0B UNIF	MV 0 1
700	LUAD Y	9011002	12.61	27	12.61	23	GL0B UNIF	MV 0 1
701	LUAD Z	9011002	12.61	10	12.61	08	GL0B UNIF	MV 0 1
702	LUAD X	9011002	25.22	06	12.61	06	GL0B UNIF	MV 0 1
703	LUAD Y	9011002	25.22	23	12.61	02	GL0B UNIF	MV 0 1
704	LUAD Z	9011002	25.22	08	12.61	08	GL0B UNIF	MV 0 1
705	LUAD X	9031002	0.00	08	12.61	08	GL0B UNIF	MV 0 1
706	LUAD Y	9031002	0.00	26	12.61	26	GL0B UNIF	MV 0 1
707	LUAD Z	9031002	0.00	06	12.61	06	GL0B UNIF	MV 0 1
708	LUAD X	9031002	12.61	08	12.61	07	GL0B UNIF	MV 0 1
709	LUAD Y	9031002	12.61	26	12.61	23	GL0B UNIF	MV 0 1
710	LUAD Z	9031002	12.61	07	12.61	05	GL0B UNIF	MV 0 1
711	LUAD X	9031002	25.22	07	12.61	07	GL0B UNIF	MV 0 1
712	LUAD Y	9031002	25.22	23	12.61	02	GL0B UNIF	MV 0 1
713	LUAD Z	9031002	25.22	05	12.61	05	GL0B UNIF	MV 0 1
714	LUAD X	9031005	0.00	09	12.61	09	GL0B UNIF	MV 0 1
715	LUAD Y	9031005	0.00	13	12.61	12	GL0B UNIF	MV 0 1
716	LUAD Z	9031005	0.00	15	12.61	15	GL0B UNIF	MV 0 1
717	LUAD X	9031005	12.61	09	12.61	08	GL0B UNIF	MV 0 1
718	LUAD Y	9031005	12.61	12	12.61	11	GL0B UNIF	MV 0 1
719	LUAD Z	9031005	12.61	15	12.61	13	GL0B UNIF	MV 0 1
720	LUAD X	9031005	25.23	08	12.61	1	GL0B UNIF	MV 0 1
721	LUAD Y	9031005	25.23	11	12.61	1	GL0B UNIF	MV 0 1
722	LUAD Z	9031005	25.23	13	12.61	1	GL0B UNIF	MV 0 1
723	LUAD X	9031005	0.00	07	12.61	07	GL0B UNIF	MV 0 1
724	LUAD Y	9031005	0.00	15	12.61	15	GL0B UNIF	MV 0 1
725	LUAD Z	9031005	0.00	17	12.61	16	GL0B UNIF	MV 0 1
726	LUAD X	9031005	12.61	07	12.61	06	GL0B UNIF	MV 0 1
727	LUAD Y	9031005	12.61	15	12.61	13	GL0B UNIF	MV 0 1
728	LUAD Z	9031005	12.61	16	12.61	14	GL0B UNIF	MV 0 1
729	LUAD X	9031005	25.22	06	12.61	1	GL0B UNIF	MV 0 1
730	LUAD Y	9031005	25.22	13	12.61	1	GL0B UNIF	MV 0 1
731	LUAD Z	9031005	25.22	14	12.61	1	GL0B UNIF	MV 0 1
732	LUAD X	9011004	0.00	21	12.61	20	GL0B UNIF	MV 0 1
733	LUAD Y	9011004	0.00	20	12.61	19	GL0B UNIF	MV 0 1
734	LUAD Z	9011004	0.00	09	12.61	08	GL0B UNIF	MV 0 1
735	LUAD X	9011004	12.61	20	12.61	17	GL0B UNIF	MV 0 1
736	LUAD Y	9011004	12.61	19	12.61	16	GL0B UNIF	MV 0 1
737	LUAD Z	9011004	12.61	08	12.61	07	GL0B UNIF	MV 0 1
738	LUAD X	9011004	25.23	17	12.61	02	GL0B UNIF	MV 0 1
739	LUAD Y	9011004	25.23	16	12.61	02	GL0B UNIF	MV 0 1
740	LUAD Z	9011004	25.23	07	12.61	1	GL0B UNIF	MV 0 1
741	LUAD X	9031004	0.00	20	12.61	16	GL0B UNIF	MV 0 1
742	LUAD Y	9031004	0.00	23	12.61	21	GL0B UNIF	MV 0 1

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LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
743	LUAD 4	9001004	0.00	07	12.01	07	GLUB UNIF	MV 0 1
744	LUAD 4	9001004	12.01	10	12.01	10	GLUB UNIF	MV 0 1
745	LUAD 4	9001004	12.01	19	12.01	19	GLUB UNIF	MV 0 1
746	LUAD 4	9001004	12.01	09	12.01	09	GLUB UNIF	MV 0 1
747	LUAD 4	9001004	25.22	02	12.01	02	GLUB UNIF	MV 0 1
748	LUAD 4	9001004	25.22	14	12.01	02	GLUB UNIF	MV 0 1
749	LUAD 4	9001004	25.22	00	12.01	1	GLUB UNIF	MV 0 1
750	LUAD 4	10011002	0.00	03	15.15	03	GLUB UNIF	MV 0 1
751	LUAD 4	10011002	15.15	03	15.15	02	GLUB UNIF	MV 0 1
752	LUAD 4	10021003	0.00	02	10.10	1	GLUB UNIF	MV 0 1
753	LUAD 4	10021003	10.10	1	10.10	1	GLUB UNIF	MV 0 1
754	LUAD 4	10021003	20.21	1	10.10	1	GLUB UNIF	MV 0 1
755	LUAD 4	10011004	0.00	03	10.10	03	GLUB UNIF	MV 0 1
756	LUAD 4	10011004	0.00	02	10.10	02	GLUB UNIF	MV 0 1
757	LUAD 4	10011004	10.10	03	10.10	04	GLUB UNIF	MV 0 1
758	LUAD 4	10011004	10.10	02	10.10	02	GLUB UNIF	MV 0 1
759	LUAD 4	10011004	20.21	04	10.10	04	GLUB UNIF	MV 0 1
760	LUAD 4	10011004	20.21	02	10.10	02	GLUB UNIF	MV 0 1
761	LUAD 4	10041006	0.00	04	10.10	04	GLUB UNIF	MV 0 1
762	LUAD 4	10041006	0.00	02	10.10	02	GLUB UNIF	MV 0 1
763	LUAD 4	10041006	10.10	04	10.10	05	GLUB UNIF	MV 0 1
764	LUAD 4	10041006	10.10	02	10.10	03	GLUB UNIF	MV 0 1
765	LUAD 4	10041006	20.20	05	10.10	05	GLUB UNIF	MV 0 1
766	LUAD 4	10041006	20.20	03	10.10	03	GLUB UNIF	MV 0 1
767	LUAD 4	10021005	0.00	1	30.31	02	GLUB UNIF	MV 0 1
768	LUAD 4	10021005	0.00	1	30.31	1	GLUB UNIF	MV 0 1
769	LUAD 4	10041005	0.00	02	15.15	02	GLUB UNIF	MV 0 1
770	LUAD 4	10041005	15.15	02	15.15	02	GLUB UNIF	MV 0 1
771	LUAD 4	201 301	0.70	33	2.10	59	GLUB UNIF	MV 0 1
772	LUAD 4	201 301	0.70	58	2.10	102	GLUB UNIF	MV 0 1
773	LUAD 4	201 301	10.80	59	2.10	84	GLUB UNIF	MV 0 1
774	LUAD 4	201 301	10.80	102	2.10	146	GLUB UNIF	MV 0 1
775	LUAD 4	201 301	12.90	94	2.10	92	GLUB UNIF	MV 0 1
776	LUAD 4	201 301	12.90	146	2.10	159	GLUB UNIF	MV 0 1
777	LUAD 4	203 303	7.21	29	2.60	51	GLUB UNIF	MV 0 1
778	LUAD 4	203 303	7.21	51	2.60	89	GLUB UNIF	MV 0 1
779	LUAD 4	203 303	9.81	51	2.60	75	GLUB UNIF	MV 0 1
780	LUAD 4	203 303	9.81	89	2.60	127	GLUB UNIF	MV 0 1
781	LUAD 4	203 303	12.40	75	2.60	85	GLUB UNIF	MV 0 1
782	LUAD 4	203 303	12.40	127	2.60	148	GLUB UNIF	MV 0 1
783	LUAD 4	206 306	14.47		.53	62	GLUB UNIF	MV 0 1
784	LUAD 4	206 306	14.47		.53	108	GLUB UNIF	MV 0 1
785	LUAD 4	301 401	0.00	92	14.25	112	GLUB UNIF	MV 0 1
786	LUAD 4	301 401	0.00	159	14.25	194	GLUB UNIF	MV 0 1
787	LUAD 4	301 401	14.25	112	14.25	74	GLUB UNIF	MV 0 1
788	LUAD 4	301 401	14.25	194	14.25	127	GLUB UNIF	MV 0 1
789	LUAD 4	303 403	0.00	45	9.50	111	GLUB UNIF	MV 0 1
790	LUAD 4	303 403	0.00	148	9.50	192	GLUB UNIF	MV 0 1
791	LUAD 4	303 403	9.50	111	9.50	90	GLUB UNIF	MV 0 1
792	LUAD 4	303 403	9.50	192	9.50	170	GLUB UNIF	MV 0 1

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
794	LUAD X 303 403	19.00	98	4.50	68	GL08 UNIF	MV 0 1	
795	LUAD Y 303 403	19.00	170	4.50	118	GL08 UNIF	MV 0 1	
796	LUAD X 306 406	0.00	62	14.25	108	GL08 UNIF	MV 0 1	
797	LUAD Y 306 406	0.00	108	14.25	187	GL08 UNIF	MV 0 1	
798	LUAD X 306 406	14.25	106	14.25	75	GL08 UNIF	MV 0 1	
799	LUAD Y 306 406	14.25	187	14.25	129	GL08 UNIF	MV 0 1	
800	LUAD X 401 501	0.00	110	4.56	101	GL08 UNIF	MV 0 1	
801	LUAD Y 401 501	0.00	216	4.56	196	GL08 UNIF	MV 0 1	
802	LUAD X 403 503	0.00	113	4.56	103	GL08 UNIF	MV 0 1	
803	LUAD Y 403 503	0.00	188	4.56	171	GL08 UNIF	MV 0 1	
804	LUAD X 403 503	0.00	32	4.56	29	GL08 UNIF	MV 0 1	
805	LUAD Y 406 506	0.00	128	4.56	118	GL08 UNIF	MV 0 1	
806	LUAD X 406 506	0.00	207	4.56	189	GL08 UNIF	MV 0 1	
807	LUAD Y 406 506	0.00	34	4.56	32	GL08 UNIF	MV 0 1	
808	LUAD X 501 601	0.00	101	3.04	94	GL08 UNIF	MV 0 1	
809	LUAD Y 501 601	0.00	198	3.04	186	GL08 UNIF	MV 0 1	
810	LUAD X 501 601	0.00	02	3.04	06	GL08 UNIF	MV 0 1	
811	LUAD Y 501 601	3.04	94	3.04	88	GL08 UNIF	MV 0 1	
812	LUAD X 501 601	3.04	186	3.04	175	GL08 UNIF	MV 0 1	
813	LUAD Y 501 601	3.04	02	3.04	02	GL08 UNIF	MV 0 1	
814	LUAD X 503 603	0.00	103	3.04	97	GL08 UNIF	MV 0 1	
815	LUAD Y 503 603	0.00	170	3.04	159	GL08 UNIF	MV 0 1	
816	LUAD X 503 603	0.00	29	3.04	27	GL08 UNIF	MV 0 1	
817	LUAD Y 503 603	3.04	97	3.04	91	GL08 UNIF	MV 0 1	
818	LUAD X 503 603	3.04	159	3.04	149	GL08 UNIF	MV 0 1	
819	LUAD Y 503 603	3.04	27	3.04	25	GL08 UNIF	MV 0 1	
820	LUAD X 506 606	0.00	116	3.04	111	GL08 UNIF	MV 0 1	
821	LUAD Y 506 606	0.00	190	3.04	178	GL08 UNIF	MV 0 1	
822	LUAD X 506 606	0.00	31	3.04	29	GL08 UNIF	MV 0 1	
823	LUAD Y 506 606	3.04	111	3.04	104	GL08 UNIF	MV 0 1	
824	LUAD X 506 606	3.04	178	3.04	167	GL08 UNIF	MV 0 1	
825	LUAD Y 506 606	3.04	29	3.04	28	GL08 UNIF	MV 0 1	
826	LUAD X 601 641	0.00	88	3.04	83	GL08 UNIF	MV 0 1	
827	LUAD Y 601 641	0.00	175	3.04	166	GL08 UNIF	MV 0 1	
828	LUAD X 601 641	0.00	02	3.04	02	GL08 UNIF	MV 0 1	
829	LUAD Y 601 641	3.04	83	3.04	79	GL08 UNIF	MV 0 1	
830	LUAD X 601 641	3.04	166	3.04	157	GL08 UNIF	MV 0 1	
831	LUAD Y 601 641	3.04	02	3.04	02	GL08 UNIF	MV 0 1	
832	LUAD X 603 643	0.00	91	3.04	86	GL08 UNIF	MV 0 1	
833	LUAD Y 603 643	0.00	149	3.04	141	GL08 UNIF	MV 0 1	
834	LUAD X 603 643	0.00	26	3.04	24	GL08 UNIF	MV 0 1	
835	LUAD Y 603 643	3.04	86	3.04	81	GL08 UNIF	MV 0 1	
836	LUAD X 603 643	3.04	141	3.04	132	GL08 UNIF	MV 0 1	
837	LUAD Y 603 643	3.04	24	3.04	23	GL08 UNIF	MV 0 1	
838	LUAD X 606 646	0.00	104	3.04	99	GL08 UNIF	MV 0 1	
839	LUAD Y 606 646	0.00	167	3.04	159	GL08 UNIF	MV 0 1	
840	LUAD X 606 646	0.00	20	3.04	27	GL08 UNIF	MV 0 1	
841	LUAD Y 606 646	3.04	99	3.04	94	GL08 UNIF	MV 0 1	
842	LUAD X 606 646	3.04	159	3.04	150	GL08 UNIF	MV 0 1	

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8	
043	LJAU Z	406	646	3.04	27	3.04	25	GLUB UNIF	MV 0 1
044	LJAU X	641	651	0.00	113	3.04	106	GLUB UNIF	MV 0 1
045	LJAU Y	641	651	0.00	238	3.04	225	GLUB UNIF	MV 0 1
046	LJAU Z	641	651	0.00	02	3.04	03	GLUB UNIF	MV 0 1
047	LJAU A	641	651	3.04	106	3.04	101	GLUB UNIF	MV 0 1
048	LJAU B	641	651	3.04	225	3.04	214	GLUB UNIF	MV 0 1
049	LJAU C	641	651	3.04	03	3.04	03	GLUB UNIF	MV 0 1
050	LJAU D	643	653	0.00	113	0.04	105	GLUB UNIF	MV 0 1
051	LJAU E	643	653	0.00	167	0.04	165	GLUB UNIF	MV 0 1
052	LJAU F	643	653	0.00	33	0.04	29	GLUB UNIF	MV 0 1
053	LJAU G	646	656	0.00	140	0.04	134	GLUB UNIF	MV 0 1
054	LJAU H	646	656	0.00	233	0.04	210	GLUB UNIF	MV 0 1
055	LJAU I	646	656	0.00	59	0.04	35	GLUB UNIF	MV 0 1
056	LJAU J	651	701	0.00	101	3.55	95	GLUB UNIF	MV 0 1
057	LJAU K	651	701	0.00	214	3.55	202	GLUB UNIF	MV 0 1
058	LJAU L	651	701	0.00	03	3.55	03	GLUB UNIF	MV 0 1
059	LJAU M	651	701	3.55	95	3.55	89	GLUB UNIF	MV 0 1
060	LJAU N	651	701	3.55	202	3.55	189	GLUB UNIF	MV 0 1
061	LJAU O	651	701	3.55	03	3.55	03	GLUB UNIF	MV 0 1
062	LJAU P	653	703	0.00	105	3.55	98	GLUB UNIF	MV 0 1
063	LJAU Q	653	703	0.00	165	3.55	154	GLUB UNIF	MV 0 1
064	LJAU R	653	703	0.00	29	3.55	27	GLUB UNIF	MV 0 1
065	LJAU S	653	703	3.55	98	3.55	92	GLUB UNIF	MV 0 1
066	LJAU T	653	703	3.55	154	3.55	144	GLUB UNIF	MV 0 1
067	LJAU U	653	703	3.55	27	3.55	25	GLUB UNIF	MV 0 1
068	LJAU V	656	706	0.00	134	3.55	127	GLUB UNIF	MV 0 1
069	LJAU W	656	706	0.00	210	3.55	199	GLUB UNIF	MV 0 1
070	LJAU X	656	706	0.00	35	3.55	33	GLUB UNIF	MV 0 1
071	LJAU Y	656	706	3.55	127	3.55	120	GLUB UNIF	MV 0 1
072	LJAU Z	656	706	3.55	199	3.55	187	GLUB UNIF	MV 0 1
073	LJAU A	656	706	3.55	33	3.55	31	GLUB UNIF	MV 0 1
074	LJAU B	701	801	0.00	65	8.79	74	GLUB UNIF	MV 0 1
075	LJAU C	701	801	0.00	179	8.79	156	GLUB UNIF	MV 0 1
076	LJAU D	701	801	0.00	03	8.79	02	GLUB UNIF	MV 0 1
077	LJAU E	701	801	8.79	74	8.79	66	GLUB UNIF	MV 0 1
078	LJAU F	701	801	8.79	156	8.79	138	GLUB UNIF	MV 0 1
079	LJAU G	701	801	8.79	02	8.79	02	GLUB UNIF	MV 0 1
080	LJAU H	701	801	17.57	66	8.79	59	GLUB UNIF	MV 0 1
081	LJAU I	701	801	17.57	138	8.79	122	GLUB UNIF	MV 0 1
082	LJAU J	701	801	17.57	02	8.79	02	GLUB UNIF	MV 0 1
083	LJAU K	703	803	0.00	86	8.79	75	GLUB UNIF	MV 0 1
084	LJAU L	703	803	0.00	139	8.79	118	GLUB UNIF	MV 0 1
085	LJAU M	703	803	0.00	24	8.79	21	GLUB UNIF	MV 0 1
086	LJAU N	703	803	8.79	75	8.79	64	GLUB UNIF	MV 0 1
087	LJAU O	703	803	8.79	118	8.79	102	GLUB UNIF	MV 0 1
088	LJAU P	703	803	8.79	21	8.79	18	GLUB UNIF	MV 0 1
089	LJAU Q	703	803	17.57	64	8.79	55	GLUB UNIF	MV 0 1
090	LJAU R	703	803	17.57	102	8.79	88	GLUB UNIF	MV 0 1
091	LJAU S	703	803	17.57	18	8.79	15	GLUB UNIF	MV 0 1
092	LJAU T	706	806	0.00	112	8.79	99	GLUB UNIF	MV 0 1



SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
893	LJAO Y 706 806	0.00	176	8.79	155	GLUB UNIF	MV 0 1	
894	LJAO Z 706 806	0.00	24	8.79	26	GLUB UNIF	MV 0 1	
895	LJAO X 706 806	8.79	99	8.79	88	GLUB UNIF	MV 0 1	
896	LJAO Y 706 806	8.79	155	8.79	139	GLUB UNIF	MV 0 1	
897	LJAO Z 706 806	8.79	26	8.79	23	GLUB UNIF	MV 0 1	
898	LJAO X 706 806	17.57	88	8.79	79	GLUB UNIF	MV 0 1	
899	LJAO Y 706 806	17.57	139	8.79	125	GLUB UNIF	MV 0 1	
900	LJAO Z 706 806	17.57	23	8.79	21	GLUB UNIF	MV 0 1	
901	LJAO X 801 901	0.00	59	9.12	53	GLUB UNIF	MV 0 1	
902	LJAO Y 801 901	0.00	122	9.12	109	GLUB UNIF	MV 0 1	
903	LJAO Z 801 901	0.00	02	9.12	1	GLUB UNIF	MV 0 1	
904	LJAO X 801 901	9.12	55	9.12	49	GLUB UNIF	MV 0 1	
905	LJAO Y 801 901	9.12	109	9.12	98	GLUB UNIF	MV 0 1	
906	LJAO Z 801 901	9.12	1	9.12	1	GLUB UNIF	MV 0 1	
907	LJAO X 801 901	18.25	49	9.12	46	GLUB UNIF	MV 0 1	
908	LJAO Y 801 901	18.25	98	9.12	90	GLUB UNIF	MV 0 1	
909	LJAO Z 801 901	18.25	1	9.12	1	GLUB UNIF	MV 0 1	
910	LJAO X 803 903	0.00	55	9.12	48	GLUB UNIF	MV 0 1	
911	LJAO Y 803 903	0.00	88	9.12	76	GLUB UNIF	MV 0 1	
912	LJAO Z 803 903	0.00	15	9.12	13	GLUB UNIF	MV 0 1	
913	LJAO X 803 903	9.12	46	9.12	41	GLUB UNIF	MV 0 1	
914	LJAO Y 803 903	9.12	76	9.12	67	GLUB UNIF	MV 0 1	
915	LJAO Z 803 903	9.12	13	9.12	12	GLUB UNIF	MV 0 1	
916	LJAO X 803 903	18.25	41	9.12	36	GLUB UNIF	MV 0 1	
917	LJAO Y 803 903	18.25	67	9.12	59	GLUB UNIF	MV 0 1	
918	LJAO Z 803 903	18.25	12	9.12	10	GLUB UNIF	MV 0 1	
919	LJAO X 806 906	0.00	74	9.12	72	GLUB UNIF	MV 0 1	
920	LJAO Y 806 906	0.00	125	9.12	114	GLUB UNIF	MV 0 1	
921	LJAO Z 806 906	0.00	21	9.12	19	GLUB UNIF	MV 0 1	
922	LJAO X 806 906	9.12	72	9.12	66	GLUB UNIF	MV 0 1	
923	LJAO Y 806 906	9.12	114	9.12	106	GLUB UNIF	MV 0 1	
924	LJAO Z 806 906	9.12	19	9.12	16	GLUB UNIF	MV 0 1	
925	LJAO X 806 906	18.25	66	9.12	61	GLUB UNIF	MV 0 1	
926	LJAO Y 806 906	18.25	106	9.12	99	GLUB UNIF	MV 0 1	
927	LJAO Z 806 906	18.25	16	9.12	17	GLUB UNIF	MV 0 1	
928	LJAO X 9011001	0.00	46	9.12	44	GLUB UNIF	MV 0 1	
929	LJAO Y 9011001	0.00	90	9.12	83	GLUB UNIF	MV 0 1	
930	LJAO Z 9011001	0.00	1	9.12	1	GLUB UNIF	MV 0 1	
931	LJAO X 9011001	9.12	44	9.12	39	GLUB UNIF	MV 0 1	
932	LJAO Y 9011001	9.12	83	9.12	71	GLUB UNIF	MV 0 1	
933	LJAO Z 9011001	18.25	39	9.12	09	GLUB UNIF	MV 0 1	
934	LJAO X 9031005	0.00	36	9.12	31	GLUB UNIF	MV 0 1	
935	LJAO Y 9031005	0.00	59	9.12	52	GLUB UNIF	MV 0 1	
936	LJAO Z 9031005	0.00	10	9.12	09	GLUB UNIF	MV 0 1	
937	LJAO X 9031005	9.12	31	9.12	24	GLUB UNIF	MV 0 1	
938	LJAO Y 9031005	9.12	52	9.12	41	GLUB UNIF	MV 0 1	
939	LJAO Z 9031005	9.12	09	9.12	07	GLUB UNIF	MV 0 1	
940	LJAO X 9051005	18.25	24	8.79	20	GLUB UNIF	MV 0 1	
941	LJAO Y 9051005	18.25	20	8.79	08	GLUB UNIF	MV 0 1	
942	LJAO Z 9051005	24.90	08	2.58	00	GLUB UNIF	MV 0 1	

SEALOAD=2

LINE NO. 1 2 3 4 5 6 7 8

943	L940 Y	9031003	16.25	41	6.07					GLUB UNIF	WV 0 1
944	L940 Y	9031003	24.92		2.45	15				GLUB UNIF	WV 0 1
945	L940 Z	9031003	16.25	07	6.07					GLUB UNIF	WV 0 1
946	L940 Z	9031003	24.92		2.45	02				GLUB UNIF	WV 0 1
947	L940 X	9031000	0.00	61	4.12	56				GLUB UNIF	WV 0 1
948	L940 Y	9031005	0.00	99	4.12	95				GLUB UNIF	WV 0 1
949	L940 Z	9031005	0.00	17	4.12	18				GLUB UNIF	WV 0 1
950	L940 X	9031006	4.12	59	4.12	52				GLUB UNIF	WV 0 1
951	L940 Y	9031005	4.12	45	4.12	67				GLUB UNIF	WV 0 1
952	L940 Z	9031002	4.12	19	4.12	14				GLUB UNIF	WV 0 1
953	L940 X	9031005	16.25	52	4.12	24				GLUB UNIF	WV 0 1
954	L940 Y	9031005	16.25	87	4.12	41				GLUB UNIF	WV 0 1
955	L940 Z	9031002	16.25	14	4.12	07				GLUB UNIF	WV 0 1
956	L940 X										
957	L940 Y	401 510	0.00	135						GLUB CUNC	WN 0 2
958	L940 X	401 510					0.00=70240			GLUB MGMT	WN 0 2
959	L940 Y	403 511	0.00	135						GLUB CUNC	WN 0 2
960	L940 X	403 511					0.00=70240			GLUB MGMT	WN 0 2
961	L940 Y	405 512	0.00	135						GLUB CUNC	WN 0 2
962	L940 X	405 512					0.00=70240			GLUB MGMT	WN 0 2
963	L940 Y	401 510	0.00	326						GLUB CUNC	WN 0 2
964	L940 X	401 510					0.00=189520			GLUB MGMT	WN 0 2
965	L940 Y	403 511	0.00	326						GLUB CUNC	WN 0 2
966	L940 X	403 511					0.00=189520			GLUB MGMT	WN 0 2
967	L940 Y	405 512	0.00	326						GLUB CUNC	WN 0 2
968	L940 X	405 512					0.00=189520			GLUB MGMT	WN 0 2
969	L940 Y	201 303	14.02	34	6.21	34				GLUB UNIF	WV 0 2
970	L940 X	201 303	14.02	138	6.21	190				GLUB UNIF	WV 0 2
971	L940 Z	201 303	14.02	65	6.21	66				GLUB UNIF	WV 0 2
972	L940 X	201 303	20.23	34	6.21	35				GLUB UNIF	WV 0 2
973	L940 Y	201 303	20.23	190	6.21	241				GLUB UNIF	WV 0 2
974	L940 Z	201 303	20.23	69	6.21	67				GLUB UNIF	WV 0 2
975	L940 X	201 303	26.44	35	6.21	35				GLUB UNIF	WV 0 2
976	L940 Y	201 303	26.44	241	6.21	275				GLUB UNIF	WV 0 2
977	L940 Z	201 303	26.44	67	6.21	67				GLUB UNIF	WV 0 2
978	L940 X	206 301	20.44	32	4.05	56				GLUB UNIF	WV 0 2
979	L940 Y	206 301	20.44	72	4.05	108				GLUB UNIF	WV 0 2
980	L940 Z	206 301	20.44	90	4.05	126				GLUB UNIF	WV 0 2
981	L940 X	206 301	24.54	56	4.05	72				GLUB UNIF	WV 0 2
982	L940 Y	206 301	24.54	100	4.05	135				GLUB UNIF	WV 0 2
983	L940 Z	206 301	24.54	126	4.05	153				GLUB UNIF	WV 0 2
984	L940 X	206 301	26.59	72	4.05	76				GLUB UNIF	WV 0 2
985	L940 Y	206 301	26.59	133	4.05	142				GLUB UNIF	WV 0 2
986	L940 Z	206 301	26.59	153	4.05	164				GLUB UNIF	WV 0 2
987	L940 X	301 403	0.00	15	13.55	15				GLUB UNIF	WV 0 2
988	L940 Y	301 403	0.00	152	13.55	190				GLUB UNIF	WV 0 2
989	L940 Z	301 403	0.00	15	13.55	15				GLUB UNIF	WV 0 2
990	L940 X	301 403	13.55	15	13.55	12				GLUB UNIF	WV 0 2
991	L940 Y	301 403	13.55	190	13.55	174				GLUB UNIF	WV 0 2
992	L940 Z	301 403	13.55	15	13.55	12				GLUB UNIF	WV 0 2

SEALOAD=2

LINE NO. 1 2 3 4 5 6 7 8

993	LJAO X	301 303	27.11	12	13.55	11			GL08 UNIF	WV 0 2
994	LJAO Y	301 303	27.11	164	13.55	114			GL08 UNIF	WV 0 2
995	LJAO Z	301 303	27.11						GL08 UNIF	WV 0 2
996	LJAO X	301 303	0.00	132	29.00	132			GL08 UNIF	WV 0 2
997	LJAO Y	301 303	0.00	20	29.00	20			GL08 UNIF	WV 0 2
998	LJAO Z	303 306	0.00	57	9.67	54			GL08 UNIF	WV 0 2
999	LJAO X	303 306	0.00	33	9.67	31			GL08 UNIF	WV 0 2
1000	LJAO Y	303 306	0.00	20	9.67	13			GL08 UNIF	WV 0 2
1001	LJAO Z	303 306	9.67	54	9.67	50			GL08 UNIF	WV 0 2
1002	LJAO X	303 306	9.67	31	9.67	29			GL08 UNIF	WV 0 2
1003	LJAO Y	303 306	9.67	13	9.67	06			GL08 UNIF	WV 0 2
1004	LJAO Z	303 306	19.33	29	9.67				GL08 UNIF	WV 0 2
1005	LJAO X	303 306	19.33	06	9.67				GL08 UNIF	WV 0 2
1006	LJAO Y	303 306	19.33	57	9.67				GL08 UNIF	WV 0 2
1007	LJAO Z	301 306	0.00	57	9.67	54			GL08 UNIF	WV 0 2
1008	LJAO X	301 306	0.00	33	9.67	31			GL08 UNIF	WV 0 2
1009	LJAO Y	301 306	0.00	20	9.67	13			GL08 UNIF	WV 0 2
1010	LJAO Z	301 306	9.67	54	9.67	50			GL08 UNIF	WV 0 2
1011	LJAO X	301 306	9.67	31	9.67	29			GL08 UNIF	WV 0 2
1012	LJAO Y	301 306	9.67	13	9.67	06			GL08 UNIF	WV 0 2
1013	LJAO Z	301 306	19.33	29	9.67				GL08 UNIF	WV 0 2
1014	LJAO X	301 306	19.33	06	9.67				GL08 UNIF	WV 0 2
1015	LJAO Y	301 306	19.33	57	9.67				GL08 UNIF	WV 0 2
1016	LJAO Z	301 306	19.33	06	9.67				GL08 UNIF	WV 0 2
1017	LJAO X	301 502	0.00	70	15.15	70			GL08 UNIF	WV 0 2
1018	LJAO Y	301 502	0.00	04	15.15	04			GL08 UNIF	WV 0 2
1019	LJAO Z	302 503	0.00	70	15.15	70			GL08 UNIF	WV 0 2
1020	LJAO X	302 503	0.00	04	15.15	04			GL08 UNIF	WV 0 2
1021	LJAO Y	303 505	0.00	30	15.15	30			GL08 UNIF	WV 0 2
1022	LJAO Z	303 505	0.00	17	15.15	17			GL08 UNIF	WV 0 2
1023	LJAO X	303 505	0.00	09	15.15	07			GL08 UNIF	WV 0 2
1024	LJAO Y	303 506	0.00	30	15.15	29			GL08 UNIF	WV 0 2
1025	LJAO Z	303 506	0.00	17	15.15	17			GL08 UNIF	WV 0 2
1026	LJAO X	301 504	0.00	07	15.15	03			GL08 UNIF	WV 0 2
1027	LJAO Y	301 504	0.00	30	15.15	30			GL08 UNIF	WV 0 2
1028	LJAO Z	301 504	0.00	17	15.15	17			GL08 UNIF	WV 0 2
1029	LJAO X	304 506	0.00	09	15.15	07			GL08 UNIF	WV 0 2
1030	LJAO Y	304 506	0.00	30	15.15	29			GL08 UNIF	WV 0 2
1031	LJAO Z	304 506	0.00	17	15.15	17			GL08 UNIF	WV 0 2
1032	LJAO X	302 504	0.00	07	15.15	03			GL08 UNIF	WV 0 2
1033	LJAO Y	302 504	0.00	24	15.15	24			GL08 UNIF	WV 0 2
1034	LJAO Z	302 504	0.00	14	15.15	14			GL08 UNIF	WV 0 2
1035	LJAO X	302 505	0.00	06	15.15	04			GL08 UNIF	WV 0 2
1036	LJAO Y	302 505	0.00	24	15.15	24			GL08 UNIF	WV 0 2
1037	LJAO Z	302 505	0.00	14	15.15	14			GL08 UNIF	WV 0 2
1038	LJAO X	304 505	0.00	06	15.15	04			GL08 UNIF	WV 0 2
1039	LJAO Y	304 505	0.00	55	15.15	55			GL08 UNIF	WV 0 2
1040	LJAO Z	304 505	0.00	04	15.15	04			GL08 UNIF	WV 0 2
1041	LJAO X	301 513	0.00	23	3.00	23			GL08 UNIF	WV 0 2
1042	LJAO Y	301 513	0.00	39	3.00	39			GL08 UNIF	WV 0 2
1043	LJAO Z	301 513	0.00	05	3.00	05			GL08 UNIF	WV 0 2

SEALOAD-2

LINE NO.	1	2	3	4	5	6	7	8
1043	LJAU X 503 514	0.00=	23	3.00=	23	GLUB UNIF	MV 0 2	
1044	LJAU Y 503 514	0.00=	34	3.00=	34	GLUB UNIF	MV 0 2	
1045	LJAU Z 503 514	0.00=	05	3.00=	05	GLUB UNIF	MV 0 2	
1046	LJAU Y 513 651	0.00=	174	6.00=	153	GLUB UNIF	MV 0 2	
1047	LJAU Y 513 651	6.00=	153	6.00=	137	GLUB UNIF	MV 0 2	
1048	LJAU Y 513 651	12.00=	137	6.00=	123	GLUB UNIF	MV 0 2	
1049	LJAU Y 514 653	0.00=	174	6.00=	153	GLUB UNIF	MV 0 2	
1050	LJAU Y 514 653	6.00=	153	6.00=	137	GLUB UNIF	MV 0 2	
1051	LJAU Y 514 653	12.00=	137	6.00=	123	GLUB UNIF	MV 0 2	
1052	LJAU Z 601 611	0.00=	06	6.00=	07	GLUB UNIF	MV 0 2	
1053	LJAU Z 603 613	0.00=	06	6.00=	07	GLUB UNIF	MV 0 2	
1054	LJAU Y 611 612	0.00=	45	16.01=	45	GLUB UNIF	MV 0 2	
1055	LJAU Z 611 612	0.00=	05	16.01=	05	GLUB UNIF	MV 0 2	
1056	LJAU Y 612 613	0.00=	45	16.01=	45	GLUB UNIF	MV 0 2	
1057	LJAU Z 612 613	0.00=	05	16.01=	05	GLUB UNIF	MV 0 2	
1058	LJAU Y 601 602	0.00=	91	17.75=	81	GLUB UNIF	MV 0 2	
1059	LJAU Z 601 602	0.00=	05	17.75=	05	GLUB UNIF	MV 0 2	
1060	LJAU Y 602 603	0.00=	81	17.75=	81	GLUB UNIF	MV 0 2	
1061	LJAU Z 602 603	0.00=	05	17.75=	05	GLUB UNIF	MV 0 2	
1062	LJAU X 611 601	0.00=	04	6.06=	04	GLUB UNIF	MV 0 2	
1063	LJAU Y 611 601	0.00=	109	6.06=	96	GLUB UNIF	MV 0 2	
1064	LJAU Z 611 601	0.00=	1	6.06=	1	GLUB UNIF	MV 0 2	
1065	LJAU X 611 601	6.06=	04	6.06=	04	GLUB UNIF	MV 0 2	
1066	LJAU Y 611 601	6.06=	96	6.06=	86	GLUB UNIF	MV 0 2	
1067	LJAU Z 611 601	6.06=	1	6.06=	1	GLUB UNIF	MV 0 2	
1068	LJAU Y 612 602	0.00=	74	6.00=	66	GLUB UNIF	MV 0 2	
1069	LJAU Z 612 602	6.00=	66	6.00=	54	GLUB UNIF	MV 0 2	
1070	LJAU X 613 603	0.00=	04	6.06=	04	GLUB UNIF	MV 0 2	
1071	LJAU Y 613 603	0.00=	109	6.06=	96	GLUB UNIF	MV 0 2	
1072	LJAU Z 613 603	0.00=	1	6.06=	1	GLUB UNIF	MV 0 2	
1073	LJAU X 613 603	6.06=	04	6.06=	04	GLUB UNIF	MV 0 2	
1074	LJAU Y 613 603	6.06=	96	6.06=	86	GLUB UNIF	MV 0 2	
1075	LJAU Z 613 603	6.06=	1	6.06=	1	GLUB UNIF	MV 0 2	
1076	LJAU X 501 642	0.00=	03	10.12=	03	GLUB UNIF	MV 0 2	
1077	LJAU Y 501 642	0.00=	87	10.12=	77	GLUB UNIF	MV 0 2	
1078	LJAU Z 501 642	0.00=	12	10.12=	11	GLUB UNIF	MV 0 2	
1079	LJAU X 501 642	10.12=	03	10.12=	03	GLUB UNIF	MV 0 2	
1080	LJAU Y 501 642	10.12=	77	10.12=	69	GLUB UNIF	MV 0 2	
1081	LJAU Z 501 642	10.12=	11	10.12=	10	GLUB UNIF	MV 0 2	
1082	LJAU X 503 645	0.00=	26	6.75=	23	GLUB UNIF	MV 0 2	
1083	LJAU Y 503 645	0.00=	36	6.75=	33	GLUB UNIF	MV 0 2	
1084	LJAU Z 503 645	0.00=	28	6.75=	26	GLUB UNIF	MV 0 2	
1085	LJAU X 503 645	6.75=	23	6.75=	22	GLUB UNIF	MV 0 2	
1086	LJAU Y 503 645	6.75=	33	6.75=	31	GLUB UNIF	MV 0 2	
1087	LJAU Z 503 645	6.75=	26	6.75=	25	GLUB UNIF	MV 0 2	
1088	LJAU X 503 645	13.50=	22	6.75=	20	GLUB UNIF	MV 0 2	
1089	LJAU Y 503 645	13.50=	31	6.75=	24	GLUB UNIF	MV 0 2	
1090	LJAU Z 503 645	13.50=	25	6.75=	23	GLUB UNIF	MV 0 2	
1091	LJAU X 506 644	0.00=	24	10.12=	21	GLUB UNIF	MV 0 2	
1092	LJAU Y 506 644	0.00=	49	10.12=	47	GLUB UNIF	MV 0 2	

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LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
1093	LJ40 Z	506 644	0.00=	34	10.12=	37	GL08 UNIF	MV 0 2
1094	LJ40 Y	506 644	10.12	21	10.12	18	GL08 UNIF	MV 0 2
1095	LJ40 Y	506 644	10.12	47	10.12	43	GL08 UNIF	MV 0 2
1096	LJ40 Z	506 644	10.12=	37	10.12=	35	GL08 UNIF	MV 0 2
1097	LJ40 X	642 703	0.00	02	7.31	02	GL08 UNIF	MV 0 2
1098	LJ40 Y	642 703	0.00	104	7.31	96	GL08 UNIF	MV 0 2
1099	LJ40 Z	642 703	0.00=	11	7.31=	10	GL08 UNIF	MV 0 2
1100	LJ40 X	642 703	7.31	02	7.31	02	GL08 UNIF	MV 0 2
1101	LJ40 Y	642 703	7.31	96	7.31	69	GL08 UNIF	MV 0 2
1102	LJ40 Z	642 703	7.31=	10	7.31=	10	GL08 UNIF	MV 0 2
1103	LJ40 X	642 703	14.62	02	7.31	02	GL08 UNIF	MV 0 2
1104	LJ40 Y	642 703	14.62	89	7.31	82	GL08 UNIF	MV 0 2
1105	LJ40 Z	642 703	14.62=	10	7.31=	09	GL08 UNIF	MV 0 2
1106	LJ40 X	645 706	0.00=	29	7.31=	26	GL08 UNIF	MV 0 2
1107	LJ40 Y	645 706	0.00	46	7.31	42	GL08 UNIF	MV 0 2
1108	LJ40 Z	645 706	0.00	36	7.31	36	GL08 UNIF	MV 0 2
1109	LJ40 X	645 706	7.31=	26	7.31=	24	GL08 UNIF	MV 0 2
1110	LJ40 Y	645 706	7.31	42	7.31	39	GL08 UNIF	MV 0 2
1111	LJ40 Z	645 706	7.31	36	7.31	33	GL08 UNIF	MV 0 2
1112	LJ40 X	645 706	14.62=	24	7.31=	21	GL08 UNIF	MV 0 2
1113	LJ40 Y	645 706	14.62	34	7.31	31	GL08 UNIF	MV 0 2
1114	LJ40 Z	645 706	14.62	33	7.31	31	GL08 UNIF	MV 0 2
1115	LJ40 X	644 701	0.00	28	10.97	25	GL08 UNIF	MV 0 2
1116	LJ40 Y	644 701	0.00=	61	10.97	55	GL08 UNIF	MV 0 2
1117	LJ40 Z	644 701	0.00=	48	10.97=	44	GL08 UNIF	MV 0 2
1118	LJ40 X	644 701	10.97	25	10.97	22	GL08 UNIF	MV 0 2
1119	LJ40 Y	644 701	10.97	55	10.97	49	GL08 UNIF	MV 0 2
1120	LJ40 Z	644 701	10.97=	44	10.97=	39	GL08 UNIF	MV 0 2
1121	LJ40 X	701 702	0.00	55	18.76	55	GL08 UNIF	MV 0 2
1122	LJ40 Y	701 702	0.00=	03	18.76=	03	GL08 UNIF	MV 0 2
1123	LJ40 Z	702 703	0.00	55	18.76	55	GL08 UNIF	MV 0 2
1124	LJ40 X	702 703	0.00=	03	18.76=	03	GL08 UNIF	MV 0 2
1125	LJ40 Y	703 705	0.00=	24	18.76=	23	GL08 UNIF	MV 0 2
1126	LJ40 Z	703 705	0.00	14	18.76	14	GL08 UNIF	MV 0 2
1127	LJ40 X	703 705	0.00=	03	18.76=	02	GL08 UNIF	MV 0 2
1128	LJ40 Y	703 705	0.00=	23	18.75=	22	GL08 UNIF	MV 0 2
1129	LJ40 Z	703 705	0.00	14	18.75	13	GL08 UNIF	MV 0 2
1130	LJ40 X	705 706	0.00=	02	18.75	02	GL08 UNIF	MV 0 2
1131	LJ40 Y	701 704	0.00	24	18.76	23	GL08 UNIF	MV 0 2
1132	LJ40 Z	701 704	0.00	14	18.76	14	GL08 UNIF	MV 0 2
1133	LJ40 X	701 704	0.00=	03	18.76=	02	GL08 UNIF	MV 0 2
1134	LJ40 Y	704 706	0.00	23	18.75	22	GL08 UNIF	MV 0 2
1135	LJ40 Z	704 706	0.00	14	18.75	13	GL08 UNIF	MV 0 2
1136	LJ40 X	704 706	0.00=	02	18.75	02	GL08 UNIF	MV 0 2
1137	LJ40 Y	702 704	0.00=	21	18.75=	21	GL08 UNIF	MV 0 2
1138	LJ40 Z	702 704	0.00	12	18.76	12	GL08 UNIF	MV 0 2
1139	LJ40 X	702 704	0.00=	08	18.76=	07	GL08 UNIF	MV 0 2
1140	LJ40 Y	702 705	0.00	21	18.76	21	GL08 UNIF	MV 0 2
1141	LJ40 Z	702 705	0.00	12	18.76	12	GL08 UNIF	MV 0 2
1142	LJ40 X	702 705	0.00=	08	18.76=	07	GL08 UNIF	MV 0 2

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LINE NO.	1	2	3	4	5	6	7	8
1143	LJAU Y 704 705	0.00	49	18.74	09	GLUB UNIF	MV 0 2	
1144	LJAU Z 704 705	0.00	07	16.76	07	GLUB UNIF	MV 0 2	
1145	LJAU X 701 806	0.00	26	16.27	23	GLUB UNIF	MV 0 2	
1146	LJAU Y 701 806	0.00	31	16.27	28	GLUB UNIF	MV 0 2	
1147	LJAU Z 701 806	0.00	26	16.27	23	GLUB UNIF	MV 0 2	
1148	LJAU X 701 806	16.27	23	16.27	19	GLUB UNIF	MV 0 2	
1149	LJAU Y 701 806	16.27	24	16.27	25	GLUB UNIF	MV 0 2	
1150	LJAU Z 701 806	16.27	23	16.27	21	GLUB UNIF	MV 0 2	
1151	LJAU X 701 806	32.55	19	16.27	16	GLUB UNIF	MV 0 2	
1152	LJAU Y 701 806	32.55	25	16.27	22	GLUB UNIF	MV 0 2	
1153	LJAU Z 701 806	32.55	21	16.27	19	GLUB UNIF	MV 0 2	
1154	LJAU X 703 801	0.00	02	16.24	1	GLUB UNIF	MV 0 2	
1155	LJAU Y 703 801	0.00	42	16.24	71	GLUB UNIF	MV 0 2	
1156	LJAU Z 703 801	0.00	09	16.24	06	GLUB UNIF	MV 0 2	
1157	LJAU X 703 801	16.24	1	16.24	1	GLUB UNIF	MV 0 2	
1158	LJAU Y 703 801	16.24	71	16.24	63	GLUB UNIF	MV 0 2	
1159	LJAU Z 703 801	16.24	06	16.24	07	GLUB UNIF	MV 0 2	
1160	LJAU X 703 801	32.55	1	16.24	1	GLUB UNIF	MV 0 2	
1161	LJAU Y 703 801	32.55	63	16.24	55	GLUB UNIF	MV 0 2	
1162	LJAU Z 703 801	32.55	07	16.24	06	GLUB UNIF	MV 0 2	
1163	LJAU X 706 803	0.00	25	16.24	22	GLUB UNIF	MV 0 2	
1164	LJAU Y 706 803	0.00	41	16.24	39	GLUB UNIF	MV 0 2	
1165	LJAU Z 706 803	0.00	33	16.24	33	GLUB UNIF	MV 0 2	
1166	LJAU X 706 803	16.24	22	16.24	19	GLUB UNIF	MV 0 2	
1167	LJAU Y 706 803	16.24	39	16.24	34	GLUB UNIF	MV 0 2	
1168	LJAU Z 706 803	16.24	33	16.24	29	GLUB UNIF	MV 0 2	
1169	LJAU X 706 803	32.55	19	16.24	16	GLUB UNIF	MV 0 2	
1170	LJAU Y 706 803	32.55	34	16.24	30	GLUB UNIF	MV 0 2	
1171	LJAU Z 706 803	32.55	29	16.24	25	GLUB UNIF	MV 0 2	
1172	LJAU X 801 802	0.00	37	22.51	37	GLUB UNIF	MV 0 2	
1173	LJAU Y 801 802	0.00	02	22.51	02	GLUB UNIF	MV 0 2	
1174	LJAU Z 802 803	0.00	37	22.51	37	GLUB UNIF	MV 0 2	
1175	LJAU X 802 803	0.00	02	22.51	02	GLUB UNIF	MV 0 2	
1176	LJAU Y 802 803	0.00	16	22.51	16	GLUB UNIF	MV 0 2	
1177	LJAU Z 803 805	0.00	09	22.51	09	GLUB UNIF	MV 0 2	
1178	LJAU X 803 805	0.00	02	22.51	02	GLUB UNIF	MV 0 2	
1179	LJAU Y 803 805	0.00	16	11.25	15	GLUB UNIF	MV 0 2	
1180	LJAU Z 805 806	0.00	04	11.25	04	GLUB UNIF	MV 0 2	
1181	LJAU X 805 806	0.00	15	11.25	15	GLUB UNIF	MV 0 2	
1182	LJAU Y 805 806	11.25	09	11.25	06	GLUB UNIF	MV 0 2	
1183	LJAU Z 805 806	11.25	15	11.25	15	GLUB UNIF	MV 0 2	
1184	LJAU X 801 804	0.00	16	22.51	16	GLUB UNIF	MV 0 2	
1185	LJAU Y 801 804	0.00	09	22.51	09	GLUB UNIF	MV 0 2	
1186	LJAU Z 801 804	0.00	02	22.51	02	GLUB UNIF	MV 0 2	
1187	LJAU X 804 806	0.00	16	11.25	15	GLUB UNIF	MV 0 2	
1188	LJAU Y 804 806	0.00	04	11.25	04	GLUB UNIF	MV 0 2	
1189	LJAU Z 804 806	0.00	02	11.25	01	GLUB UNIF	MV 0 2	
1190	LJAU X 804 806	11.25	15	11.25	15	GLUB UNIF	MV 0 2	
1191	LJAU Y 804 806	11.25	09	11.25	06	GLUB UNIF	MV 0 2	
1192	LJAU Z 804 806	11.25	15	11.25	15	GLUB UNIF	MV 0 2	

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
1193	LUAD Z 404 806	11.25	1	11.25		GLUB UNIF	WV 0 2	
1194	LUAD A 502 804	0.00	14	22.52		GLUB UNIF	WV 0 2	
1195	LUAD Y 502 804	0.00	08	22.52		GLUB UNIF	WV 0 2	
1196	LUAD Z 502 804	0.00	05	22.52		GLUB UNIF	WV 0 2	
1197	LUAD A 802 905	0.00	14	22.52		GLUB UNIF	WV 0 2	
1198	LUAD Y 802 905	0.00	08	22.52		GLUB UNIF	WV 0 2	
1199	LUAD Z 802 905	0.00	05	22.52		GLUB UNIF	WV 0 2	
1200	LUAD Y 804 905	0.00	53	22.52		GLUB UNIF	WV 0 2	
1201	LUAD Z 804 905	0.00	04	22.52		GLUB UNIF	WV 0 2	
1202	LUAD A 801 903	0.00	1	18.64		GLUB UNIF	WV 0 2	
1203	LUAD Y 801 903	0.00	55	18.64		GLUB UNIF	WV 0 2	
1204	LUAD Z 801 903	0.00	06	18.64		GLUB UNIF	WV 0 2	
1205	LUAD Y 401 905	18.64	49	18.64		GLUB UNIF	WV 0 2	
1206	LUAD Z 401 905	18.64	05	18.64		GLUB UNIF	WV 0 2	
1207	LUAD Y 401 905	37.28	44	18.64		GLUB UNIF	WV 0 2	
1208	LUAD Z 401 905	37.28	04	18.64		GLUB UNIF	WV 0 2	
1209	LUAD A 803 906	0.00	19	18.64		GLUB UNIF	WV 0 2	
1210	LUAD Y 803 906	0.00	19	18.64		GLUB UNIF	WV 0 2	
1211	LUAD Z 803 906	0.00	16	18.64		GLUB UNIF	WV 0 2	
1212	LUAD A 803 906	18.64	17	18.64		GLUB UNIF	WV 0 2	
1213	LUAD Y 803 906	18.64	18	18.64		GLUB UNIF	WV 0 2	
1214	LUAD Z 803 906	18.64	15	18.64		GLUB UNIF	WV 0 2	
1215	LUAD A 803 906	37.28	15	18.64		GLUB UNIF	WV 0 2	
1216	LUAD Y 803 906	37.28	17	18.64		GLUB UNIF	WV 0 2	
1217	LUAD Z 803 906	37.28	14	18.64		GLUB UNIF	WV 0 2	
1218	LUAD A 806 901	0.00	14	18.64		GLUB UNIF	WV 0 2	
1219	LUAD Y 806 901	0.00	26	18.64		GLUB UNIF	WV 0 2	
1220	LUAD Z 806 901	0.00	22	18.64		GLUB UNIF	WV 0 2	
1221	LUAD A 806 901	18.64	17	18.64		GLUB UNIF	WV 0 2	
1222	LUAD Y 806 901	18.64	25	18.64		GLUB UNIF	WV 0 2	
1223	LUAD Z 806 901	18.64	21	18.64		GLUB UNIF	WV 0 2	
1224	LUAD A 806 901	37.28	15	18.64		GLUB UNIF	WV 0 2	
1225	LUAD Y 806 901	37.28	22	18.64		GLUB UNIF	WV 0 2	
1226	LUAD Z 806 901	37.28	19	18.64		GLUB UNIF	WV 0 2	
1227	LUAD A 901 902	0.00	30	28.41		GLUB UNIF	WV 0 2	
1228	LUAD Y 901 902	0.00	1	28.41		GLUB UNIF	WV 0 2	
1229	LUAD Z 901 902	0.00	30	28.41		GLUB UNIF	WV 0 2	
1230	LUAD A 902 903	0.00	1	28.41		GLUB UNIF	WV 0 2	
1231	LUAD Y 902 903	0.00	15	28.41		GLUB UNIF	WV 0 2	
1232	LUAD Z 902 903	0.00	07	28.41		GLUB UNIF	WV 0 2	
1233	LUAD A 903 905	0.00	1	28.41		GLUB UNIF	WV 0 2	
1234	LUAD Y 903 905	0.00	13	28.41		GLUB UNIF	WV 0 2	
1235	LUAD Z 903 905	0.00	07	28.41		GLUB UNIF	WV 0 2	
1236	LUAD A 905 906	0.00	1	28.41		GLUB UNIF	WV 0 2	
1237	LUAD Y 905 906	0.00	13	28.41		GLUB UNIF	WV 0 2	
1238	LUAD Z 905 906	0.00	07	28.41		GLUB UNIF	WV 0 2	
1239	LUAD A 901 904	0.00	1	28.41		GLUB UNIF	WV 0 2	
1240	LUAD Y 901 904	0.00	1	28.41		GLUB UNIF	WV 0 2	
1241	LUAD Z 901 904	0.00	1	28.41		GLUB UNIF	WV 0 2	
1242	LUAD A 904 906	0.00	15	28.41		GLUB UNIF	WV 0 2	
1243	LUAD Y 904 906	0.00	07	28.41		GLUB UNIF	WV 0 2	
1244	LUAD Z 904 906	0.00	1	28.41		GLUB UNIF	WV 0 2	

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
1243	LUAD X 902 904	0.00	10	26.41	11	GLUB UNIF	MV 0 2	
1244	LUAD Y 902 904	0.00	06	26.41	06	GLUB UNIF	MV 0 2	
1245	LUAD Z 902 904	0.00	02	26.41	02	GLUB UNIF	MV 0 2	
1246	LUAD A 902 905	0.00	10	26.41	11	GLUB UNIF	MV 0 2	
1247	LUAD Y 902 905	0.00	06	26.41	06	GLUB UNIF	MV 0 2	
1248	LUAD Z 902 905	0.00	02	26.41	02	GLUB UNIF	MV 0 2	
1249	LUAD V 904 905	0.00	25	26.40	25	GLUB UNIF	MV 0 2	
1250	LUAD W 904 905	0.00	02	26.40	02	GLUB UNIF	MV 0 2	
1251	LUAD A 9011002	0.00	33	12.61	31	GLUB UNIF	MV 0 2	
1252	LUAD Y 9011002	0.00	02	12.61	02	GLUB UNIF	MV 0 2	
1253	LUAD Z 9011002	0.00	1	12.61	1	GLUB UNIF	MV 0 2	
1254	LUAD A 9011002	12.61	31	12.61	26	GLUB UNIF	MV 0 2	
1255	LUAD Y 9011002	12.61	02	12.61	1	GLUB UNIF	MV 0 2	
1256	LUAD Z 9011002	12.61	20	12.61	02	GLUB UNIF	MV 0 2	
1257	LUAD V 9011002	25.22	1	12.61	1	GLUB UNIF	MV 0 2	
1258	LUAD W 9011002	25.22	33	12.61	31	GLUB UNIF	MV 0 2	
1259	LUAD A 9031002	0.00	02	12.61	02	GLUB UNIF	MV 0 2	
1260	LUAD Y 9031002	0.00	14	12.61	14	GLUB UNIF	MV 0 2	
1261	LUAD Z 9031002	0.00	06	12.61	05	GLUB UNIF	MV 0 2	
1262	LUAD A 9031002	12.61	16	12.61	16	GLUB UNIF	MV 0 2	
1263	LUAD Y 9031002	12.61	05	12.61	1	GLUB UNIF	MV 0 2	
1264	LUAD Z 9031002	12.61	14	12.61	12	GLUB UNIF	MV 0 2	
1265	LUAD V 9031002	25.22	1	12.61	1	GLUB UNIF	MV 0 2	
1266	LUAD W 9031002	25.22	26	12.61	02	GLUB UNIF	MV 0 2	
1267	LUAD A 9051002	0.00	07	12.61	06	GLUB UNIF	MV 0 2	
1268	LUAD Y 9051002	0.00	14	12.61	14	GLUB UNIF	MV 0 2	
1269	LUAD Z 9051002	0.00	06	12.61	05	GLUB UNIF	MV 0 2	
1270	LUAD A 9051002	12.61	16	12.61	16	GLUB UNIF	MV 0 2	
1271	LUAD Y 9051002	12.61	05	12.61	1	GLUB UNIF	MV 0 2	
1272	LUAD Z 9051002	12.61	14	12.61	12	GLUB UNIF	MV 0 2	
1273	LUAD V 9051002	25.22	1	12.61	1	GLUB UNIF	MV 0 2	
1274	LUAD W 9051002	25.22	26	12.61	02	GLUB UNIF	MV 0 2	
1275	LUAD A 9061005	0.00	15	12.61	15	GLUB UNIF	MV 0 2	
1276	LUAD Y 9061005	0.00	07	12.61	06	GLUB UNIF	MV 0 2	
1277	LUAD Z 9061005	0.00	14	12.61	14	GLUB UNIF	MV 0 2	
1278	LUAD A 9061005	12.61	16	12.61	16	GLUB UNIF	MV 0 2	
1279	LUAD Y 9061005	12.61	05	12.61	1	GLUB UNIF	MV 0 2	
1280	LUAD Z 9061005	12.61	14	12.61	12	GLUB UNIF	MV 0 2	
1281	LUAD V 9061005	25.22	1	12.61	1	GLUB UNIF	MV 0 2	
1282	LUAD W 9061005	25.22	26	12.61	02	GLUB UNIF	MV 0 2	
1283	LUAD A 9081005	0.00	22	12.61	21	GLUB UNIF	MV 0 2	
1284	LUAD Y 9081005	0.00	15	12.61	15	GLUB UNIF	MV 0 2	
1285	LUAD Z 9081005	0.00	07	12.61	06	GLUB UNIF	MV 0 2	
1286	LUAD A 9091004	0.00	21	12.61	16	GLUB UNIF	MV 0 2	
1287	LUAD Y 9091004	0.00	15	12.61	11	GLUB UNIF	MV 0 2	
1288	LUAD Z 9091004	0.00	06	12.61	1	GLUB UNIF	MV 0 2	
1289	LUAD V 9091004	25.22	16	12.61	02	GLUB UNIF	MV 0 2	
1290	LUAD W 9091004	25.22	11	12.61	1	GLUB UNIF	MV 0 2	
1291	LUAD A 9011004	12.61	07	12.61	06	GLUB UNIF	MV 0 2	
1292	LUAD Y 9011004	12.61	14	12.61	14	GLUB UNIF	MV 0 2	
1293	LUAD Z 9011004	12.61	06	12.61	05	GLUB UNIF	MV 0 2	
1294	LUAD A 9011004	12.61	16	12.61	16	GLUB UNIF	MV 0 2	
1295	LUAD Y 9011004	12.61	14	12.61	12	GLUB UNIF	MV 0 2	
1296	LUAD Z 9011004	12.61	05	12.61	1	GLUB UNIF	MV 0 2	



SEALOAD=2

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
1293	LOAD A	9011004	25.23	05	12.01	1	GLUB UNIF	MV 0 2
1294	LOAD Y	9011004	25.25	10	12.01	02	GLUB UNIF	MV 0 2
1295	LOAD Z	9011004	25.23	12	12.01	1	GLUB UNIF	MV 0 2
1296	LOAD A	9001006	0.00	07	12.01	07	GLUB UNIF	MV 0 2
1297	LOAD Y	9001004	0.00	22	12.01	21	GLUB UNIF	MV 0 2
1298	LOAD Z	9001004	0.00	13	12.01	13	GLUB UNIF	MV 0 2
1299	LOAD A	9001004	12.01	07	12.01	06	GLUB UNIF	MV 0 2
1300	LOAD Y	9001004	12.01	21	12.01	10	GLUB UNIF	MV 0 2
1301	LOAD Z	9001004	12.01	13	12.01	11	GLUB UNIF	MV 0 2
1302	LOAD A	9001004	25.22	00	12.01	1	GLUB UNIF	MV 0 2
1303	LOAD Y	9001004	25.22	10	12.01	02	GLUB UNIF	MV 0 2
1304	LOAD Z	9001004	25.22	11	12.01	1	GLUB UNIF	MV 0 2
1305	LOAD A	10011002	0.00	02	30.51	02	GLUB UNIF	MV 0 2
1306	LOAD Y	10021003	0.00	02	30.51	02	GLUB UNIF	MV 0 2
1307	LOAD Z	10031005	0.00	1	10.10	1	GLUB UNIF	MV 0 2
1308	LOAD A	10031005	0.00	1	10.10	1	GLUB UNIF	MV 0 2
1309	LOAD Y	10031005	10.10	1	10.10	02	GLUB UNIF	MV 0 2
1310	LOAD Z	10031005	10.10	1	10.10	1	GLUB UNIF	MV 0 2
1311	LOAD A	10031005	20.21	02	10.10	02	GLUB UNIF	MV 0 2
1312	LOAD Y	10031005	20.21	1	10.10	1	GLUB UNIF	MV 0 2
1313	LOAD Z	10051006	0.00	02	10.10	02	GLUB UNIF	MV 0 2
1314	LOAD A	10051006	0.00	1	10.10	1	GLUB UNIF	MV 0 2
1315	LOAD Y	10051006	10.10	02	10.10	03	GLUB UNIF	MV 0 2
1316	LOAD Z	10051006	10.10	1	10.10	02	GLUB UNIF	MV 0 2
1317	LOAD A	10051006	20.20	03	10.10	03	GLUB UNIF	MV 0 2
1318	LOAD Y	10051006	20.20	02	10.10	02	GLUB UNIF	MV 0 2
1319	LOAD Z	10011004	0.00	1	10.10	1	GLUB UNIF	MV 0 2
1320	LOAD A	10011004	0.00	1	10.10	1	GLUB UNIF	MV 0 2
1321	LOAD Y	10011004	10.10	1	10.10	02	GLUB UNIF	MV 0 2
1322	LOAD Z	10011004	10.10	1	10.10	1	GLUB UNIF	MV 0 2
1323	LOAD A	10011004	20.21	02	10.10	02	GLUB UNIF	MV 0 2
1324	LOAD Y	10011004	20.21	1	10.10	1	GLUB UNIF	MV 0 2
1325	LOAD Z	10041006	0.00	02	10.10	02	GLUB UNIF	MV 0 2
1326	LOAD A	10041006	0.00	1	10.10	1	GLUB UNIF	MV 0 2
1327	LOAD Y	10041006	10.10	02	10.10	03	GLUB UNIF	MV 0 2
1328	LOAD Z	10041006	10.10	1	10.10	02	GLUB UNIF	MV 0 2
1329	LOAD A	10041006	20.20	03	10.10	03	GLUB UNIF	MV 0 2
1330	LOAD Y	10041006	20.20	02	10.10	02	GLUB UNIF	MV 0 2
1331	LOAD Z	10021004	0.00	1	15.15	1	GLUB UNIF	MV 0 2
1332	LOAD A	10021004	15.15	1	15.15	1	GLUB UNIF	MV 0 2
1333	LOAD Y	10021004	15.15	1	15.15	1	GLUB UNIF	MV 0 2
1334	LOAD Z	10021005	0.00	1	15.15	1	GLUB UNIF	MV 0 2
1335	LOAD A	10021005	15.15	1	15.15	1	GLUB UNIF	MV 0 2
1336	LOAD Y	10021005	15.15	1	15.15	1	GLUB UNIF	MV 0 2
1347	LOAD Z	10001005	0.00	03	30.50	03	GLUB UNIF	MV 0 2
1348	LOAD A	201 301	6.04	95	2.05	131	GLUB UNIF	MV 0 2
1349	LOAD Y	201 301	4.29	131	2.05	167	GLUB UNIF	MV 0 2
1350	LOAD Z	201 301	12.15	167	2.05	190	GLUB UNIF	MV 0 2
1351	LOAD A	203 303	6.04	95	2.05	131	GLUB UNIF	MV 0 2
1352	LOAD Y	203 303	4.29	131	2.05	167	GLUB UNIF	MV 0 2

SEAL/DAD=2

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
1343	LUAD Y	203 303	12.15	167	2.95	190	GLUB UNIF	MV 0 2
1344	LUAD Y	301 401	0.00	190	4.50	230	GLUB UNIF	MV 0 2
1345	LUAD Y	301 401	9.50	230	9.50	206	GLUB UNIF	MV 0 2
1346	LUAD Y	301 401	19.00	206	9.50	143	GLUB UNIF	MV 0 2
1347	LUAD Y	303 403	0.00	190	9.50	230	GLUB UNIF	MV 0 2
1348	LUAD Y	303 403	9.50	230	9.50	206	GLUB UNIF	MV 0 2
1349	LUAD Y	303 403	19.00	206	9.50	143	GLUB UNIF	MV 0 2
1350	LUAD Y	306 406	0.00	190	9.50	205	GLUB UNIF	MV 0 2
1351	LUAD Y	306 406	9.50	205	9.50	210	GLUB UNIF	MV 0 2
1352	LUAD Y	306 406	19.00	210	9.50	148	GLUB UNIF	MV 0 2
1353	LUAD Y	401 501	0.00	09	4.56	09	GLUB UNIF	MV 0 2
1354	LUAD Y	401 501	0.00	21	4.56	19	GLUB UNIF	MV 0 2
1355	LUAD Y	401 501	0.00	21	4.56	19	GLUB UNIF	MV 0 2
1356	LUAD Y	403 503	0.00	09	4.56	09	GLUB UNIF	MV 0 2
1357	LUAD Y	403 503	0.00	234	4.56	214	GLUB UNIF	MV 0 2
1358	LUAD Y	403 503	0.00	21	4.56	19	GLUB UNIF	MV 0 2
1359	LUAD Y	406 506	0.00	240	4.56	220	GLUB UNIF	MV 0 2
1360	LUAD Y	406 506	0.00	40	4.56	37	GLUB UNIF	MV 0 2
1361	LUAD Y	501 601	0.00	09	3.04	08	GLUB UNIF	MV 0 2
1362	LUAD Y	501 601	0.00	214	3.04	200	GLUB UNIF	MV 0 2
1363	LUAD Y	501 601	0.00	19	3.04	18	GLUB UNIF	MV 0 2
1364	LUAD Y	501 601	3.04	08	3.04	08	GLUB UNIF	MV 0 2
1365	LUAD Y	501 601	3.04	200	3.04	186	GLUB UNIF	MV 0 2
1366	LUAD Y	501 601	3.04	18	3.04	17	GLUB UNIF	MV 0 2
1367	LUAD Y	503 603	0.00	09	3.04	08	GLUB UNIF	MV 0 2
1368	LUAD Y	503 603	0.00	214	3.04	200	GLUB UNIF	MV 0 2
1369	LUAD Y	503 603	0.00	19	3.04	18	GLUB UNIF	MV 0 2
1370	LUAD Y	503 603	3.04	08	3.04	08	GLUB UNIF	MV 0 2
1371	LUAD Y	503 603	3.04	200	3.04	186	GLUB UNIF	MV 0 2
1372	LUAD Y	503 603	3.04	18	3.04	17	GLUB UNIF	MV 0 2
1373	LUAD Y	506 606	0.00	220	3.04	207	GLUB UNIF	MV 0 2
1374	LUAD Y	506 606	0.00	36	3.04	34	GLUB UNIF	MV 0 2
1375	LUAD Y	506 606	3.04	207	3.04	195	GLUB UNIF	MV 0 2
1376	LUAD Y	506 606	3.04	34	3.04	32	GLUB UNIF	MV 0 2
1377	LUAD Y	601 641	0.00	08	3.04	08	GLUB UNIF	MV 0 2
1378	LUAD Y	601 641	0.00	186	3.04	178	GLUB UNIF	MV 0 2
1379	LUAD Y	601 641	0.00	17	3.04	16	GLUB UNIF	MV 0 2
1380	LUAD Y	601 641	3.04	08	3.04	08	GLUB UNIF	MV 0 2
1381	LUAD Y	601 641	3.04	178	3.04	168	GLUB UNIF	MV 0 2
1382	LUAD Y	601 641	3.04	16	3.04	15	GLUB UNIF	MV 0 2
1383	LUAD Y	603 643	0.00	08	3.04	08	GLUB UNIF	MV 0 2
1384	LUAD Y	603 643	0.00	186	3.04	178	GLUB UNIF	MV 0 2
1385	LUAD Y	603 643	0.00	17	3.04	16	GLUB UNIF	MV 0 2
1386	LUAD Y	603 643	3.04	08	3.04	08	GLUB UNIF	MV 0 2
1387	LUAD Y	603 643	3.04	178	3.04	168	GLUB UNIF	MV 0 2
1388	LUAD Y	603 643	3.04	16	3.04	15	GLUB UNIF	MV 0 2
1389	LUAD Y	606 646	0.00	195	6.08	175	GLUB UNIF	MV 0 2
1390	LUAD Y	606 646	0.00	33	6.08	29	GLUB UNIF	MV 0 2
1391	LUAD Y	641 651	0.00	17	3.04	17	GLUB UNIF	MV 0 2
1392	LUAD Y	641 651	0.00	205	3.04	231	GLUB UNIF	MV 0 2

SEALOAD=2

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...5.....0...5.....0

1395	LJ40	Z	541	651	0.00	23	3.04	22	GL08	UNIF	MV	0	2
1396	LJ40	X	641	651	3.04	17	3.04	16	GL08	UNIF	MV	0	2
1397	LJ40	Z	641	651	3.04	231	3.04	219	GL08	UNIF	MV	0	2
1398	LJ40	Z	641	651	3.04	22	3.04	20	GL08	UNIF	MV	0	2
1399	LJ40	X	643	653	0.00	17	3.04	17	GL08	UNIF	MV	0	2
1399	LJ40	Y	643	653	0.00	245	3.04	231	GL08	UNIF	MV	0	2
1400	LJ40	Z	643	653	0.00	23	3.04	22	GL08	UNIF	MV	0	2
1401	LJ40	Y	643	653	3.04	17	3.04	16	GL08	UNIF	MV	0	2
1401	LJ40	Z	643	653	3.04	231	3.04	219	GL08	UNIF	MV	0	2
1402	LJ40	Z	643	653	3.04	72	3.04	70	GL08	UNIF	MV	0	2
1403	LJ40	Y	646	656	0.00	275	6.08	249	GL08	UNIF	MV	0	2
1404	LJ40	Z	646	656	0.00	46	6.08	41	GL08	UNIF	MV	0	2
1405	LJ40	X	651	701	0.00	16	3.55	15	GL08	UNIF	MV	0	2
1406	LJ40	Y	651	701	0.00	219	3.55	205	GL08	UNIF	MV	0	2
1407	LJ40	Z	651	701	0.00	20	3.55	19	GL08	UNIF	MV	0	2
1408	LJ40	X	651	701	3.55	15	3.55	14	GL08	UNIF	MV	0	2
1409	LJ40	Y	651	701	3.55	205	3.55	191	GL08	UNIF	MV	0	2
1410	LJ40	Z	651	701	3.55	19	3.55	18	GL08	UNIF	MV	0	2
1411	LJ40	X	653	703	0.00	16	3.55	15	GL08	UNIF	MV	0	2
1412	LJ40	Y	653	703	0.00	219	3.55	205	GL08	UNIF	MV	0	2
1413	LJ40	Z	653	703	0.00	20	3.55	19	GL08	UNIF	MV	0	2
1414	LJ40	X	653	703	3.55	15	3.55	14	GL08	UNIF	MV	0	2
1415	LJ40	Y	653	703	3.55	205	3.55	191	GL08	UNIF	MV	0	2
1416	LJ40	Z	653	703	3.55	19	3.55	18	GL08	UNIF	MV	0	2
1417	LJ40	X	654	706	0.00	249	3.55	236	GL08	UNIF	MV	0	2
1418	LJ40	Z	654	706	0.00	42	3.55	39	GL08	UNIF	MV	0	2
1419	LJ40	Y	656	706	3.55	34	3.55	32	GL08	UNIF	MV	0	2
1420	LJ40	Z	656	706	3.55	37	3.55	35	GL08	UNIF	MV	0	2
1421	LJ40	X	701	801	0.00	15	6.79	11	GL08	UNIF	MV	0	2
1422	LJ40	Y	701	801	0.00	183	6.79	156	GL08	UNIF	MV	0	2
1423	LJ40	Z	701	801	0.00	17	6.79	15	GL08	UNIF	MV	0	2
1424	LJ40	X	701	801	6.79	11	6.79	09	GL08	UNIF	MV	0	2
1425	LJ40	Y	701	801	6.79	156	6.79	137	GL08	UNIF	MV	0	2
1426	LJ40	Z	701	801	6.79	15	6.79	13	GL08	UNIF	MV	0	2
1427	LJ40	X	701	801	17.57	09	6.79	06	GL08	UNIF	MV	0	2
1428	LJ40	Y	701	801	17.57	137	6.79	120	GL08	UNIF	MV	0	2
1429	LJ40	Z	701	801	17.57	13	6.79	11	GL08	UNIF	MV	0	2
1430	LJ40	X	703	803	0.00	13	6.79	11	GL08	UNIF	MV	0	2
1431	LJ40	Y	703	803	0.00	143	6.79	126	GL08	UNIF	MV	0	2
1432	LJ40	Z	703	803	0.00	17	6.79	15	GL08	UNIF	MV	0	2
1433	LJ40	X	703	803	6.79	11	6.79	09	GL08	UNIF	MV	0	2
1434	LJ40	Y	703	803	6.79	156	6.79	137	GL08	UNIF	MV	0	2
1435	LJ40	Z	703	803	6.79	15	6.79	13	GL08	UNIF	MV	0	2
1436	LJ40	X	705	805	17.57	09	6.79	06	GL08	UNIF	MV	0	2
1437	LJ40	Y	705	805	17.57	137	6.79	120	GL08	UNIF	MV	0	2
1438	LJ40	Z	705	805	17.57	13	6.79	11	GL08	UNIF	MV	0	2
1439	LJ40	X	706	806	0.00	249	6.79	236	GL08	UNIF	MV	0	2
1440	LJ40	Y	706	806	0.00	35	6.79	31	GL08	UNIF	MV	0	2
1441	LJ40	Z	706	806	0.00	15	6.79	13	GL08	UNIF	MV	0	2
1442	LJ40	X	706	806	6.79	31	6.79	27	GL08	UNIF	MV	0	2

SEAL/DAD-2

LINE NO.	1	2	3	4	5	6	7	8
1493	LJAU Y 9051006	18.25	101	9.12	47	GLUB UNIF	WV 0 2	
1494	LJAU Z 9051005	18.25	17	9.12	08	GLUB UNIF	WV 0 2	
1495	LJAU CN 3							
1496	LJAU X 401 510	0.00=	67			GLUB CONC	WN 0 3	
1497	LJAU Y 401 510	0.00=	117			GLUB CONC	WN 0 3	
1498	LJAU Y 401 510	0.00=	117			GLUB CONC	WN 0 3	
1499	LJAU X 401 510	0.00=	67			GLUB CONC	WN 0 3	
1500	LJAU X 403 511	0.00=	67			GLUB CONC	WN 0 3	
1501	LJAU Y 403 511	0.00=	117			GLUB CONC	WN 0 3	
1502	LJAU Y 403 511	0.00=	117			GLUB CONC	WN 0 3	
1503	LJAU X 403 511	0.00=	67			GLUB CONC	WN 0 3	
1504	LJAU X 405 512	0.00=	67			GLUB CONC	WN 0 3	
1505	LJAU Y 405 512	0.00=	117			GLUB CONC	WN 0 3	
1506	LJAU Y 405 511	0.00=	117			GLUB CONC	WN 0 3	
1507	LJAU X 405 512	0.00=	163			GLUB CONC	WN 0 3	
1508	LJAU X 405 512	0.00=	163			GLUB CONC	WN 0 3	
1509	LJAU Y 401 510	0.00=	282			GLUB CONC	WN 0 3	
1510	LJAU Y 401 510	0.00=	282			GLUB CONC	WN 0 3	
1511	LJAU X 401 510	0.00=	163			GLUB CONC	WN 0 3	
1512	LJAU X 403 511	0.00=	163			GLUB CONC	WN 0 3	
1513	LJAU Y 403 511	0.00=	282			GLUB CONC	WN 0 3	
1514	LJAU Y 403 511	0.00=	282			GLUB CONC	WN 0 3	
1515	LJAU X 405 511	0.00=	163			GLUB CONC	WN 0 3	
1516	LJAU X 405 512	0.00=	163			GLUB CONC	WN 0 3	
1517	LJAU Y 405 512	0.00=	282			GLUB CONC	WN 0 3	
1518	LJAU Y 405 512	0.00=	282			GLUB CONC	WN 0 3	
1519	LJAU X 405 512	0.00=	282			GLUB CONC	WN 0 3	
1520	LJAU X 201 303	21.65	06	3.01		GLUB UNIF	WV 0 3	
1521	LJAU X 201 303	24.66		.66=	1	GLUB UNIF	WV 0 3	
1522	LJAU Y 201 303	21.65=	108	5.67=	166	GLUB UNIF	WV 0 3	
1523	LJAU Z 201 303	21.65=	13	5.02		GLUB UNIF	WV 0 3	
1524	LJAU Z 201 303	24.66		.65	03	GLUB UNIF	WV 0 3	
1525	LJAU X 201 303	25.31=	1	5.67=	09	GLUB UNIF	WV 0 3	
1526	LJAU Y 201 303	25.31=	166	5.67=	226	GLUB UNIF	WV 0 3	
1527	LJAU Z 201 303	25.31	03	3.67	17	GLUB UNIF	WV 0 3	
1528	LJAU X 201 303	26.98=	09	5.67=	11	GLUB UNIF	WV 0 3	
1529	LJAU Y 201 303	26.98=	226	3.67=	236	GLUB UNIF	WV 0 3	
1530	LJAU Z 201 303	26.98	17	3.67	21	GLUB UNIF	WV 0 3	
1531	LJAU X 203 305	20.78=	38	11.67=	34	GLUB UNIF	WV 0 3	
1532	LJAU Y 203 305	20.78=	66	11.67=	68	GLUB UNIF	WV 0 3	
1533	LJAU Z 203 305	20.78=	148	11.67=	152	GLUB UNIF	WV 0 3	
1534	LJAU X 205 301	17.24=	120	5.13=	167	GLUB UNIF	WV 0 3	
1535	LJAU Y 205 301	17.24=	45	5.13=	81	GLUB UNIF	WV 0 3	
1536	LJAU Z 205 301	17.24=	40	5.13=	25	GLUB UNIF	WV 0 3	
1537	LJAU X 205 301	22.58=	167	5.13=	191	GLUB UNIF	WV 0 3	
1538	LJAU Y 205 301	22.58=	81	5.13=	101	GLUB UNIF	WV 0 3	
1539	LJAU Z 205 301	22.58=	26	5.13=	15	GLUB UNIF	WV 0 3	
1540	LJAU X 205 301	27.51=	191	5.13=	207	GLUB UNIF	WV 0 3	
1541	LJAU Y 205 301	27.51=	101	5.13=	117	GLUB UNIF	WV 0 3	
1542	LJAU Z 205 301	27.51=	15	5.13=	65	GLUB UNIF	WV 0 3	

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8					
1443	LJAU	Y	705	807	17.57	155	8.79	149	GL08	UNIF	MV	0	2
1444	LJAU	Z	706	806	17.57	27	8.79	25	GL08	UNIF	MV	0	2
1445	LJAU	X	801	901	0.00	08	9.12	08	GL08	UNIF	MV	0	2
1446	LJAU	Y	801	901	0.00	120	9.12	105	GL08	UNIF	MV	0	2
1447	LJAU	Z	801	901	0.00	11	9.12	10	GL08	UNIF	MV	0	2
1448	LJAU	X	801	901	9.12	06	9.12	05	GL08	UNIF	MV	0	2
1449	LJAU	Y	801	901	9.12	105	9.12	94	GL08	UNIF	MV	0	2
1450	LJAU	Z	801	901	9.12	10	9.12	08	GL08	UNIF	MV	0	2
1451	LJAU	X	801	901	18.25	05	9.12	03	GL08	UNIF	MV	0	2
1452	LJAU	Y	801	901	18.25	94	9.12	84	GL08	UNIF	MV	0	2
1453	LJAU	Z	801	901	18.25	08	9.12	07	GL08	UNIF	MV	0	2
1454	LJAU	X	803	903	0.00	08	9.12	06	GL08	UNIF	MV	0	2
1455	LJAU	Y	803	903	0.00	120	9.12	105	GL08	UNIF	MV	0	2
1456	LJAU	Z	803	903	0.00	11	9.12	10	GL08	UNIF	MV	0	2
1457	LJAU	X	803	903	9.12	06	9.12	05	GL08	UNIF	MV	0	2
1458	LJAU	Y	803	903	9.12	105	9.12	94	GL08	UNIF	MV	0	2
1459	LJAU	Z	803	903	9.12	10	9.12	08	GL08	UNIF	MV	0	2
1460	LJAU	X	803	903	18.25	05	9.12	03	GL08	UNIF	MV	0	2
1461	LJAU	Y	803	903	18.25	94	9.12	84	GL08	UNIF	MV	0	2
1462	LJAU	Z	803	903	18.25	08	9.12	07	GL08	UNIF	MV	0	2
1463	LJAU	X	805	905	0.00	149	9.12	136	GL08	UNIF	MV	0	2
1464	LJAU	Y	805	905	0.00	25	9.12	23	GL08	UNIF	MV	0	2
1465	LJAU	Z	805	905	9.12	136	9.12	126	GL08	UNIF	MV	0	2
1466	LJAU	X	806	906	9.12	23	9.12	21	GL08	UNIF	MV	0	2
1467	LJAU	Y	806	906	18.25	126	9.12	116	GL08	UNIF	MV	0	2
1468	LJAU	Z	806	906	18.25	21	9.12	20	GL08	UNIF	MV	0	2
1469	LJAU	X	9011001	9.00	03	9.12	02	02	GL08	UNIF	MV	0	2
1470	LJAU	Y	9011001	0.00	84	9.12	76	76	GL08	UNIF	MV	0	2
1471	LJAU	Z	9011001	0.00	07	9.12	07	07	GL08	UNIF	MV	0	2
1472	LJAU	X	9011001	9.12	02	9.12	01	01	GL08	UNIF	MV	0	2
1473	LJAU	Y	9011001	9.12	76	9.12	63	63	GL08	UNIF	MV	0	2
1474	LJAU	Z	9011001	9.12	07	9.12	05	05	GL08	UNIF	MV	0	2
1475	LJAU	X	9011001	18.25	1	9.12	01	01	GL08	UNIF	MV	0	2
1476	LJAU	Y	9011001	18.25	63	9.12	59	59	GL08	UNIF	MV	0	2
1477	LJAU	Z	9011001	26.98	05	9.12	03	03	GL08	UNIF	MV	0	2
1478	LJAU	X	9031003	0.00	05	9.12	02	02	GL08	UNIF	MV	0	2
1479	LJAU	Y	9031003	0.00	84	9.12	76	76	GL08	UNIF	MV	0	2
1480	LJAU	Z	9031003	0.00	07	9.12	07	07	GL08	UNIF	MV	0	2
1481	LJAU	X	9031003	9.12	02	9.12	01	01	GL08	UNIF	MV	0	2
1482	LJAU	Y	9031003	9.12	76	9.12	63	63	GL08	UNIF	MV	0	2
1483	LJAU	Z	9031003	9.12	07	9.12	05	05	GL08	UNIF	MV	0	2
1484	LJAU	X	9031003	18.25	1	9.12	01	01	GL08	UNIF	MV	0	2
1485	LJAU	Y	9031003	18.25	63	9.12	59	59	GL08	UNIF	MV	0	2
1486	LJAU	Z	9031003	26.98	05	9.12	03	03	GL08	UNIF	MV	0	2
1487	LJAU	X	9051005	0.00	116	9.12	111	111	GL08	UNIF	MV	0	2
1488	LJAU	Y	9051005	0.00	20	9.12	19	19	GL08	UNIF	MV	0	2
1489	LJAU	Z	9051005	9.12	111	9.12	101	101	GL08	UNIF	MV	0	2
1490	LJAU	X	9051005	9.12	19	9.12	17	17	GL08	UNIF	MV	0	2

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
1543	LJAU A	301 403	0.00=	25	13.55=	35	GLUB UNIF	MV 0 3
1544	LJAU Y	301 403	0.00=	129	13.55=	154	GLUB UNIF	MV 0 3
1545	LJAU Z	301 403	0.00=	25	13.55=	30	GLUB UNIF	MV 0 3
1546	LJAU A	301 403	13.55=	32	13.55=	33	GLUB UNIF	MV 0 3
1547	LJAU Y	301 403	13.55=	159	13.55=	146	GLUB UNIF	MV 0 3
1548	LJAU Z	301 403	13.55=	36	13.55=	33	GLUB UNIF	MV 0 3
1549	LJAU A	301 403	27.11=	33	13.55=	21	GLUB UNIF	MV 0 3
1550	LJAU Y	301 403	27.11=	146	13.55=	102	GLUB UNIF	MV 0 3
1551	LJAU Z	301 403	27.11=	33	13.55=	22	GLUB UNIF	MV 0 3
1552	LJAU A	301 303	0.00=	112	14.50=	106	GLUB UNIF	MV 0 3
1553	LJAU Y	301 303	0.00=	17	14.50=	11	GLUB UNIF	MV 0 3
1554	LJAU Z	301 303	14.50=	106	14.50=	100	GLUB UNIF	MV 0 3
1555	LJAU A	301 303	14.50=	11	14.50=	05	GLUB UNIF	MV 0 3
1556	LJAU Z	303 303	0.00=	05	14.50=	17	GLUB UNIF	MV 0 3
1557	LJAU A	303 303	14.50=	17	14.50=	24	GLUB UNIF	MV 0 3
1558	LJAU Y	301 303	0.00=	47	29.00=	40	GLUB UNIF	MV 0 3
1559	LJAU Z	301 306	0.00=	56	29.00=	46	GLUB UNIF	MV 0 3
1560	LJAU A	301 306	0.00=	17	29.00=	24	GLUB UNIF	MV 0 3
1561	LJAU Y	301 502	0.00=	60	15.15=	60	GLUB UNIF	MV 0 3
1562	LJAU Z	301 502	0.00=	08	15.15=	07	GLUB UNIF	MV 0 3
1563	LJAU A	302 503	0.00=	60	15.15=	60	GLUB UNIF	MV 0 3
1564	LJAU Y	302 503	0.00=	07	15.15=	06	GLUB UNIF	MV 0 3
1565	LJAU Z	303 505	0.00=	06	15.15=	06	GLUB UNIF	MV 0 3
1566	LJAU A	303 506	0.00=	08	15.15=	10	GLUB UNIF	MV 0 3
1567	LJAU Y	301 504	0.00=	52	15.15=	51	GLUB UNIF	MV 0 3
1568	LJAU Z	301 504	0.00=	30	15.15=	30	GLUB UNIF	MV 0 3
1569	LJAU A	301 504	0.00=	08	15.15=	09	GLUB UNIF	MV 0 3
1570	LJAU Y	304 506	0.00=	51	15.15=	49	GLUB UNIF	MV 0 3
1571	LJAU Z	304 506	0.00=	30	15.15=	28	GLUB UNIF	MV 0 3
1572	LJAU A	301 506	0.00=	04	15.15=	10	GLUB UNIF	MV 0 3
1573	LJAU Y	302 504	0.00=	04	15.15=	06	GLUB UNIF	MV 0 3
1574	LJAU Z	302 505	0.00=	41	15.15=	41	GLUB UNIF	MV 0 3
1575	LJAU A	302 505	0.00=	24	15.15=	24	GLUB UNIF	MV 0 3
1576	LJAU Y	302 505	0.00=	04	15.15=	05	GLUB UNIF	MV 0 3
1577	LJAU Z	304 505	0.00=	47	15.14=	46	GLUB UNIF	MV 0 3
1578	LJAU A	304 505	0.00=	08	15.14=	05	GLUB UNIF	MV 0 3
1579	LJAU Y	301 513	0.00=	26	3.00=	26	GLUB UNIF	MV 0 3
1580	LJAU Z	301 513	0.00=	45	3.00=	45	GLUB UNIF	MV 0 3
1581	LJAU A	301 513	0.00=	05	3.00=	05	GLUB UNIF	MV 0 3
1582	LJAU Y	303 514	0.00=	13	3.00=	13	GLUB UNIF	MV 0 3
1583	LJAU Z	303 514	0.00=	22	3.00=	22	GLUB UNIF	MV 0 3
1584	LJAU A	303 514	0.00=	89	6.00=	79	GLUB UNIF	MV 0 3
1585	LJAU Y	303 514	0.00=	155	6.00=	137	GLUB UNIF	MV 0 3
1586	LJAU Z	303 514	0.00=	74	6.00=	71	GLUB UNIF	MV 0 3
1587	LJAU A	303 514	6.00=	137	6.00=	123	GLUB UNIF	MV 0 3
1588	LJAU Y	303 514	6.00=	71	6.00=	63	GLUB UNIF	MV 0 3
1589	LJAU Z	303 514	12.00=	123	6.00=	110	GLUB UNIF	MV 0 3
1590	LJAU A	303 514	0.00=	98	6.00=	85	GLUB UNIF	MV 0 3
1591	LJAU Y	303 514	0.00=	166	6.00=	147	GLUB UNIF	MV 0 3
1592	LJAU Z	303 514	0.00=					

AO-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

417

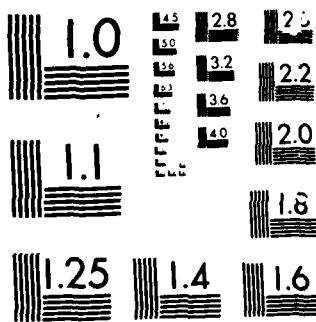
UNCLASSIFIED

N62477-76-C-0179

F/G 13/13

NL

A large grid of 13 columns and 13 rows. The top row contains the text 'UNCLASSIFIED', 'N62477-76-C-0179', 'F/G 13/13', and 'NL'. The remaining 12 rows and 13 columns are filled with blacked-out content, obscuring any data or drawings that might have been present.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963-A



SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
1593	LJAU A	514 653	0.00=	85	0.00=	77	GLUB UNIF	MV 0 3
1594	LJAU Y	514 653	0.00=	107	0.00=	133	GLUB UNIF	MV 0 3
1595	LJAU A	514 653	12.00=	77	0.00=	69	GLUB UNIF	MV 0 3
1596	LJAU Y	514 653	12.00=	133	0.00=	119	GLUB UNIF	MV 0 3
1597	LJAU A	601 611	0.00=	27	0.00=	27	GLUB UNIF	MV 0 3
1598	LJAU Y	601 611	0.00=	06	0.00=	05	GLUB UNIF	MV 0 3
1599	LJAU A	603 613	0.00=	27	0.00=	26	GLUB UNIF	MV 0 3
1600	LJAU Y	603 613	0.00=	04	0.00=	03	GLUB UNIF	MV 0 3
1601	LJAU A	611 612	0.00=	40	10.01=	39	GLUB UNIF	MV 0 3
1602	LJAU Y	611 612	0.00=	04	10.01=	03	GLUB UNIF	MV 0 3
1603	LJAU A	612 613	0.00=	39	10.01=	38	GLUB UNIF	MV 0 3
1604	LJAU Y	612 613	0.00=	03	10.01=	02	GLUB UNIF	MV 0 3
1605	LJAU A	601 602	0.00=	71	17.75=	70	GLUB UNIF	MV 0 3
1606	LJAU Y	601 602	0.00=	04	17.75=	03	GLUB UNIF	MV 0 3
1607	LJAU A	602 603	0.00=	70	17.75=	66	GLUB UNIF	MV 0 3
1608	LJAU Y	602 603	0.00=	03	17.75=	01	GLUB UNIF	MV 0 3
1609	LJAU A	611 601	0.00=	62	6.06=	56	GLUB UNIF	MV 0 3
1610	LJAU Y	611 601	0.00=	103	0.06=	92	GLUB UNIF	MV 0 3
1611	LJAU A	611 601	0.00=	09	6.06=	08	GLUB UNIF	MV 0 3
1612	LJAU Y	611 601	0.00=	56	6.06=	50	GLUB UNIF	MV 0 3
1613	LJAU A	611 601	0.00=	92	0.06=	83	GLUB UNIF	MV 0 3
1614	LJAU Y	611 601	0.00=	08	0.06=	07	GLUB UNIF	MV 0 3
1615	LJAU A	612 602	0.00=	39	0.06=	35	GLUB UNIF	MV 0 3
1616	LJAU Y	612 602	0.00=	68	0.00=	61	GLUB UNIF	MV 0 3
1617	LJAU A	612 602	0.00=	35	0.00=	32	GLUB UNIF	MV 0 3
1618	LJAU Y	612 602	0.00=	61	0.00=	55	GLUB UNIF	MV 0 3
1619	LJAU A	613 603	0.00=	56	0.06=	51	GLUB UNIF	MV 0 3
1620	LJAU Y	613 603	0.00=	105	0.06=	94	GLUB UNIF	MV 0 3
1621	LJAU A	613 603	0.00=	08	0.06=	07	GLUB UNIF	MV 0 3
1622	LJAU Y	613 603	0.00=	51	0.06=	46	GLUB UNIF	MV 0 3
1623	LJAU A	613 603	0.00=	94	0.06=	85	GLUB UNIF	MV 0 3
1624	LJAU Y	613 603	0.00=	07	0.06=	07	GLUB UNIF	MV 0 3
1625	LJAU A	501 642	0.00=	06	6.75=	06	GLUB UNIF	MV 0 3
1626	LJAU Y	501 642	0.00=	73	6.75=	66	GLUB UNIF	MV 0 3
1627	LJAU A	501 642	0.00=	14	6.75=	13	GLUB UNIF	MV 0 3
1628	LJAU Y	501 642	0.00=	66	6.75=	05	GLUB UNIF	MV 0 3
1629	LJAU A	501 642	0.00=	58	6.75=	63	GLUB UNIF	MV 0 3
1630	LJAU Y	501 642	0.00=	13	6.75=	13	GLUB UNIF	MV 0 3
1631	LJAU A	501 642	13.50=	05	0.75=	05	GLUB UNIF	MV 0 3
1632	LJAU Y	501 642	13.50=	63	6.75=	59	GLUB UNIF	MV 0 3
1633	LJAU A	503 645	13.50=	13	0.75=	12	GLUB UNIF	MV 0 3
1634	LJAU Y	503 645	0.00=	21	10.12=	19	GLUB UNIF	MV 0 3
1635	LJAU A	503 645	0.00=	30	10.12=	27	GLUB UNIF	MV 0 3
1636	LJAU Y	503 645	0.00=	49	10.12=	44	GLUB UNIF	MV 0 3
1637	LJAU A	503 645	10.12=	19	10.12=	17	GLUB UNIF	MV 0 3
1638	LJAU Y	503 645	10.12=	27	10.12=	25	GLUB UNIF	MV 0 3
1639	LJAU A	503 645	10.12=	44	10.12=	41	GLUB UNIF	MV 0 3
1640	LJAU Y	503 645	0.00=	57	10.12=	52	GLUB UNIF	MV 0 3
1641	LJAU A	506 644	0.00=	44	10.12=	40	GLUB UNIF	MV 0 3
1642	LJAU Y	506 644	0.00=	07	10.12=	07	GLUB UNIF	MV 0 3

SEAL/DAD=2

LINE NO.	1	2	3	4	5	6	7	8
1603	LJAU X	506 644	10,12=	52	10,12=	46	GLUB UNIF	MV 0 3
1604	LJAU Y	506 644	10,12=	40	10,12=	37	GLUB UNIF	MV 0 3
1605	LJAU Z	506 644	10,12=	07	10,12=	06	GLUB UNIF	MV 0 3
1606	LJAU A	642 703	0,00=	10	7,31=	09	GLUB UNIF	MV 0 3
1607	LJAU Y	642 703	0,00=	88	7,31=	81	GLUB UNIF	MV 0 3
1608	LJAU Z	642 703	0,00=	21	7,31=	19	GLUB UNIF	MV 0 3
1609	LJAU A	642 703	7,31=	09	7,31=	09	GLUB UNIF	MV 0 3
1610	LJAU Y	642 703	7,31=	81	7,31=	75	GLUB UNIF	MV 0 3
1611	LJAU Z	642 703	7,31=	19	7,31=	18	GLUB UNIF	MV 0 3
1612	LJAU A	642 703	14,62=	09	7,31=	08	GLUB UNIF	MV 0 3
1613	LJAU Y	642 703	14,62=	75	7,31=	69	GLUB UNIF	MV 0 3
1614	LJAU Z	642 703	14,62=	18	7,31=	17	GLUB UNIF	MV 0 3
1615	LJAU A	645 706	0,00=	24	7,31=	23	GLUB UNIF	MV 0 3
1616	LJAU Y	645 706	0,00=	55	7,31=	32	GLUB UNIF	MV 0 3
1617	LJAU Z	645 706	0,00=	57	7,31=	53	GLUB UNIF	MV 0 3
1618	LJAU A	645 706	7,31=	23	7,31=	20	GLUB UNIF	MV 0 3
1619	LJAU Y	645 706	7,31=	32	7,31=	29	GLUB UNIF	MV 0 3
1620	LJAU Z	645 706	7,31=	53	7,31=	48	GLUB UNIF	MV 0 3
1621	LJAU A	645 706	14,62=	20	7,31=	18	GLUB UNIF	MV 0 3
1622	LJAU Y	645 706	14,62=	29	7,31=	26	GLUB UNIF	MV 0 3
1623	LJAU Z	645 706	14,62=	48	7,31=	43	GLUB UNIF	MV 0 3
1624	LJAU A	644 701	0,00=	71	7,31=	66	GLUB UNIF	MV 0 3
1625	LJAU Y	644 701	0,00=	59	7,31=	55	GLUB UNIF	MV 0 3
1626	LJAU Z	644 701	0,00=	14	7,31=	13	GLUB UNIF	MV 0 3
1627	LJAU A	644 701	7,31=	66	7,31=	62	GLUB UNIF	MV 0 3
1628	LJAU Y	644 701	7,31=	55	7,31=	52	GLUB UNIF	MV 0 3
1629	LJAU Z	644 701	7,31=	13	7,31=	12	GLUB UNIF	MV 0 3
1630	LJAU A	644 701	14,62=	62	7,31=	57	GLUB UNIF	MV 0 3
1631	LJAU Y	644 701	14,62=	52	7,31=	48	GLUB UNIF	MV 0 3
1632	LJAU Z	644 701	14,62=	12	7,31=	11	GLUB UNIF	MV 0 3
1633	LJAU A	701 702	0,00=	48	18,74=	47	GLUB UNIF	MV 0 3
1634	LJAU Y	701 702	0,00=	03	18,74=	02	GLUB UNIF	MV 0 3
1635	LJAU Z	701 702	0,00=	47	18,74=	46	GLUB UNIF	MV 0 3
1636	LJAU A	702 703	0,00=	02	18,74=	01	GLUB UNIF	MV 0 3
1637	LJAU Y	702 703	0,00=	1	6,25=	02	GLUB UNIF	MV 0 3
1638	LJAU Z	702 703	0,00=	02	6,25=	02	GLUB UNIF	MV 0 3
1639	LJAU A	703 705	6,25=	02	6,25=	03	GLUB UNIF	MV 0 3
1640	LJAU Y	703 705	12,51=	02	6,25=	03	GLUB UNIF	MV 0 3
1641	LJAU Z	703 705	0,00=	03	18,75=	04	GLUB UNIF	MV 0 3
1642	LJAU A	701 704	0,00=	41	18,76=	41	GLUB UNIF	MV 0 3
1643	LJAU Y	701 704	0,00=	24	18,76=	24	GLUB UNIF	MV 0 3
1644	LJAU Z	701 704	0,00=	03	18,76=	03	GLUB UNIF	MV 0 3
1645	LJAU A	704 706	0,00=	41	18,75=	39	GLUB UNIF	MV 0 3
1646	LJAU Y	704 706	0,00=	24	18,75=	23	GLUB UNIF	MV 0 3
1647	LJAU Z	704 706	0,00=	03	18,75=	04	GLUB UNIF	MV 0 3
1648	LJAU A	702 705	0,00=	07	18,76=	06	GLUB UNIF	MV 0 3
1649	LJAU Y	702 705	0,00=	36	18,74=	36	GLUB UNIF	MV 0 3
1650	LJAU Z	702 705	0,00=	21	18,74=	21	GLUB UNIF	MV 0 3
1651	LJAU A	702 705	0,00=	07	18,76=	07	GLUB UNIF	MV 0 3
1652	LJAU Y	702 705	0,00=	40	18,74=	42	GLUB UNIF	MV 0 3
1653	LJAU Z	702 705	0,00=	06	18,76=	07	GLUB UNIF	MV 0 3

SEAL/AD=2

LINE NO.	1	2	3	4	5	6	7	8
1693	L040 X 701 806	0.00=	54	16.27=	46	GL08 UNIF	WV 0 3	
1694	L040 Y 701 806	0.00=	47	16.27=	40	GL08 UNIF	WV 0 3	
1695	L040 Z 701 806	0.00=	27	16.27=	24	GL08 UNIF	WV 0 3	
1696	L040 A 701 806	16.27=	46	16.27=	34	GL08 UNIF	WV 0 3	
1697	L040 Y 701 806	16.27=	40	16.27=	34	GL08 UNIF	WV 0 3	
1698	L040 Z 701 806	16.27=	24	16.27=	30	GL08 UNIF	WV 0 3	
1699	L040 A 701 806	32.55=	34	16.27=	33	GL08 UNIF	WV 0 3	
1700	L040 Y 701 806	32.55=	34	16.27=	24	GL08 UNIF	WV 0 3	
1701	L040 Z 701 806	32.55=	20	16.27=	17	GL08 UNIF	WV 0 3	
1702	L040 A 703 801	0.00=	17	16.24=	16	GL08 UNIF	WV 0 3	
1703	L040 Y 703 801	0.00=	72	16.28=	64	GL08 UNIF	WV 0 3	
1704	L040 Z 703 801	0.00=	22	16.24=	20	GL08 UNIF	WV 0 3	
1705	L040 X 703 801	16.24=	16	16.24=	14	GL08 UNIF	WV 0 3	
1706	L040 Y 703 801	16.24=	64	16.24=	56	GL08 UNIF	WV 0 3	
1707	L040 Z 703 801	16.24=	20	16.24=	18	GL08 UNIF	WV 0 3	
1708	L040 A 703 801	32.55=	14	16.24=	13	GL08 UNIF	WV 0 3	
1709	L040 Y 703 801	32.55=	56	16.24=	50	GL08 UNIF	WV 0 3	
1710	L040 Z 703 801	32.55=	16	16.24=	16	GL08 UNIF	WV 0 3	
1711	L040 A 706 803	0.00=	66	16.23=	66	GL08 UNIF	WV 0 3	
1712	L040 Y 706 803	0.00=	16	16.24=	16	GL08 UNIF	WV 0 3	
1713	L040 Z 706 803	0.00=	27	16.24=	26	GL08 UNIF	WV 0 3	
1714	L040 A 706 803	16.24=	06	16.24=	05	GL08 UNIF	WV 0 3	
1715	L040 Y 706 803	16.24=	16	16.24=	14	GL08 UNIF	WV 0 3	
1716	L040 Z 706 803	16.24=	26	16.24=	24	GL08 UNIF	WV 0 3	
1717	L040 A 706 803	32.55=	05	16.24=	05	GL08 UNIF	WV 0 3	
1718	L040 Y 706 803	32.55=	14	16.24=	13	GL08 UNIF	WV 0 3	
1719	L040 Z 706 803	32.55=	24	16.24=	22	GL08 UNIF	WV 0 3	
1720	L040 A 701 802	0.00=	32	22.51=	32	GL08 UNIF	WV 0 3	
1721	L040 Y 801 802	0.00=	02	22.51=	02	GL08 UNIF	WV 0 3	
1722	L040 Z 802 803	0.00=	32	22.51=	31	GL08 UNIF	WV 0 3	
1723	L040 A 802 803	0.00=	02	22.51=	01	GL08 UNIF	WV 0 3	
1724	L040 Y 803 805	0.00=	1	11.26=	02	GL08 UNIF	WV 0 3	
1725	L040 Z 803 805	11.26=	02	11.26=	02	GL08 UNIF	WV 0 3	
1726	L040 A 805 806	0.00=	02	22.51=	02	GL08 UNIF	WV 0 3	
1727	L040 Y 801 804	0.00=	26	22.51=	26	GL08 UNIF	WV 0 3	
1728	L040 Z 801 804	0.00=	16	22.51=	16	GL08 UNIF	WV 0 3	
1729	L040 A 801 804	0.00=	02	22.51=	02	GL08 UNIF	WV 0 3	
1730	L040 Y 804 806	0.00=	26	22.51=	26	GL08 UNIF	WV 0 3	
1731	L040 Z 804 806	0.00=	16	22.51=	15	GL08 UNIF	WV 0 3	
1732	L040 A 804 806	0.00=	02	22.51=	02	GL08 UNIF	WV 0 3	
1733	L040 Y 802 804	0.00=	04	22.52=	05	GL08 UNIF	WV 0 3	
1734	L040 Z 802 805	0.00=	25	22.52=	25	GL08 UNIF	WV 0 3	
1735	L040 A 802 805	0.00=	14	22.52=	14	GL08 UNIF	WV 0 3	
1736	L040 Y 802 805	0.00=	04	22.52=	05	GL08 UNIF	WV 0 3	
1737	L040 Z 804 805	0.00=	27	22.52=	26	GL08 UNIF	WV 0 3	
1738	L040 A 804 805	0.00=	05	22.52=	05	GL08 UNIF	WV 0 3	
1739	L040 Y 801 903	0.00=	02	16.64=	02	GL08 UNIF	WV 0 3	
1740	L040 Z 801 903	0.00=	48	16.64=	43	GL08 UNIF	WV 0 3	
1741	L040 A 801 903	0.00=	08	16.64=	08	GL08 UNIF	WV 0 3	
1742	L040 Y 801 903	16.64=	02	16.64=	02	GL08 UNIF	WV 0 3	

SEALOAD=2

LINE NO. 1 2 3 4 5 6 7 8

1743	LJAU Y	M01 903	18.64	43	18.64	39	GL08 UNIF	MV 0 3
1744	LJAU Z	M01 903	18.64	08	18.64	08	GL08 UNIF	MV 0 3
1745	LJAU X	M01 903	37.28	02	18.64	03	GL08 UNIF	MV 0 3
1746	LJAU Y	M01 903	37.28	39	18.64	35	GL08 UNIF	MV 0 3
1747	LJAU Z	M01 903	37.28	08	18.64	08	GL08 UNIF	MV 0 3
1748	LJAU X	M03 905	0.00	09	18.64	08	GL08 UNIF	MV 0 3
1749	LJAU Y	M03 905	0.00	12	18.64	11	GL08 UNIF	MV 0 3
1750	LJAU Z	M03 905	0.00	27	18.64	25	GL08 UNIF	MV 0 3
1751	LJAU X	M03 905	18.64	08	18.64	07	GL08 UNIF	MV 0 3
1752	LJAU Y	M03 905	18.64	11	18.64	10	GL08 UNIF	MV 0 3
1753	LJAU Z	M03 905	18.64	25	18.64	22	GL08 UNIF	MV 0 3
1754	LJAU X	M03 905	37.28	07	18.64	06	GL08 UNIF	MV 0 3
1755	LJAU Y	M03 905	37.28	10	18.64	08	GL08 UNIF	MV 0 3
1756	LJAU Z	M03 905	37.28	22	18.64	18	GL08 UNIF	MV 0 3
1757	LJAU X	M06 901	0.00	37	18.64	34	GL08 UNIF	MV 0 3
1758	LJAU Y	M06 901	0.00	27	18.64	25	GL08 UNIF	MV 0 3
1759	LJAU Z	M06 901	0.00	05	18.64	05	GL08 UNIF	MV 0 3
1760	LJAU X	M06 901	18.64	34	18.64	32	GL08 UNIF	MV 0 3
1761	LJAU Y	M06 901	18.64	25	18.64	24	GL08 UNIF	MV 0 3
1762	LJAU Z	M06 901	18.64	05	18.64	05	GL08 UNIF	MV 0 3
1763	LJAU X	M06 901	37.28	32	18.64	29	GL08 UNIF	MV 0 3
1764	LJAU Y	M06 901	37.28	24	18.64	23	GL08 UNIF	MV 0 3
1765	LJAU Z	M06 901	37.28	05	18.64	06	GL08 UNIF	MV 0 3
1766	LJAU X	M01 902	0.00	26	26.41	26	GL08 UNIF	MV 0 3
1767	LJAU Y	M01 902	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1768	LJAU Z	M02 905	0.00	26	26.41	25	GL08 UNIF	MV 0 3
1769	LJAU X	M02 905	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1770	LJAU Y	M02 905	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1771	LJAU Z	M05 906	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1772	LJAU X	M01 904	0.00	23	26.41	22	GL08 UNIF	MV 0 3
1773	LJAU Y	M01 904	0.00	13	26.41	13	GL08 UNIF	MV 0 3
1774	LJAU Z	M01 904	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1775	LJAU X	M04 905	0.00	22	26.41	21	GL08 UNIF	MV 0 3
1776	LJAU Y	M04 905	0.00	13	26.41	12	GL08 UNIF	MV 0 3
1777	LJAU Z	M04 905	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1778	LJAU X	M02 904	0.00	02	26.41	02	GL08 UNIF	MV 0 3
1779	LJAU Y	M02 905	0.00	19	26.41	18	GL08 UNIF	MV 0 3
1780	LJAU Z	M02 905	0.00	11	26.41	10	GL08 UNIF	MV 0 3
1781	LJAU X	M02 905	0.00	02	26.41	02	GL08 UNIF	MV 0 3
1782	LJAU Y	M04 905	0.00	20	26.40	21	GL08 UNIF	MV 0 3
1783	LJAU Z	M04 905	0.00	02	26.40	02	GL08 UNIF	MV 0 3
1784	LJAU X	M011002	0.00	07	12.61	06	GL08 UNIF	MV 0 3
1785	LJAU Y	M011002	0.00	24	12.61	26	GL08 UNIF	MV 0 3
1786	LJAU Z	M011002	0.00	04	12.61	08	GL08 UNIF	MV 0 3
1787	LJAU X	M011002	12.61	06	12.61	06	GL08 UNIF	MV 0 3
1788	LJAU Y	M011002	12.61	26	12.61	23	GL08 UNIF	MV 0 3
1789	LJAU Z	M011002	12.61	04	12.61	07	GL08 UNIF	MV 0 3
1790	LJAU X	M011002	25.22	06	12.61	1	GL08 UNIF	MV 0 3
1791	LJAU Y	M011002	25.22	23	12.61	03	GL08 UNIF	MV 0 3
1792	LJAU Z	M011002	25.22	07	12.61	1	GL08 UNIF	MV 0 3

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LINE NO.	1	2	3	4	5	6	7	8
1793	LUAD X 9031002	0.00	10	12.61	09	GL08 UNIF	MV 0 3	
1794	LUAD Y 9031002	0.00	29	12.61	27	GL08 UNIF	MV 0 3	
1795	LUAD Z 9031002	0.00	06	12.61	07	GL08 UNIF	MV 0 3	
1796	LUAD X 9031002	12.61	09	12.61	06	GL08 UNIF	MV 0 3	
1797	LUAD Y 9031002	12.61	27	12.61	24	GL08 UNIF	MV 0 3	
1798	LUAD Z 9031002	12.61	07	12.61	06	GL08 UNIF	MV 0 3	
1799	LUAD X 9031002	25.22	08	12.61	1	GL08 UNIF	MV 0 3	
1800	LUAD Y 9031002	25.22	26	12.61	03	GL08 UNIF	MV 0 3	
1801	LUAD Z 9031002	25.22	06	12.61	1	GL08 UNIF	MV 0 3	
1802	LUAD X 9031005	0.00	10	12.61	04	GL08 UNIF	MV 0 3	
1803	LUAD Y 9031005	0.00	14	12.61	14	GL08 UNIF	MV 0 3	
1804	LUAD Z 9031005	0.00	17	12.61	16	GL08 UNIF	MV 0 3	
1805	LUAD X 9031005	12.61	04	12.61	08	GL08 UNIF	MV 0 3	
1806	LUAD Y 9031005	12.61	14	12.61	12	GL08 UNIF	MV 0 3	
1807	LUAD Z 9031005	12.61	16	12.61	14	GL08 UNIF	MV 0 3	
1808	LUAD X 9031005	25.23	08	12.61	1	GL08 UNIF	MV 0 3	
1809	LUAD Y 9031005	25.23	12	12.61	1	GL08 UNIF	MV 0 3	
1810	LUAD Z 9031005	25.23	14	12.61	1	GL08 UNIF	MV 0 3	
1811	LUAD X 9061005	0.00	06	12.61	06	GL08 UNIF	MV 0 3	
1812	LUAD Y 9061005	0.00	14	12.61	13	GL08 UNIF	MV 0 3	
1813	LUAD Z 9061005	0.00	15	12.61	14	GL08 UNIF	MV 0 3	
1814	LUAD X 9061005	12.61	06	12.61	06	GL08 UNIF	MV 0 3	
1815	LUAD Y 9061005	12.61	13	12.61	12	GL08 UNIF	MV 0 3	
1816	LUAD Z 9061005	12.61	14	12.61	13	GL08 UNIF	MV 0 3	
1817	LUAD X 9061005	25.22	06	12.61	1	GL08 UNIF	MV 0 3	
1818	LUAD Y 9061005	25.22	12	12.61	1	GL08 UNIF	MV 0 3	
1819	LUAD Z 9061005	25.22	13	12.61	1	GL08 UNIF	MV 0 3	
1820	LUAD X 9011004	0.00	21	12.61	14	GL08 UNIF	MV 0 3	
1821	LUAD Y 9011004	0.00	22	12.61	20	GL08 UNIF	MV 0 3	
1822	LUAD Z 9011004	0.00	10	12.61	10	GL08 UNIF	MV 0 3	
1823	LUAD X 9011004	12.61	14	12.61	16	GL08 UNIF	MV 0 3	
1824	LUAD Y 9011004	12.61	20	12.61	16	GL08 UNIF	MV 0 3	
1825	LUAD Z 9011004	12.61	10	12.61	08	GL08 UNIF	MV 0 3	
1826	LUAD X 9011004	25.23	16	12.61	1	GL08 UNIF	MV 0 3	
1827	LUAD Y 9011004	25.23	16	12.61	1	GL08 UNIF	MV 0 3	
1828	LUAD Z 9011004	25.23	16	12.61	1	GL08 UNIF	MV 0 3	
1829	LUAD X 9061004	0.00	08	12.61	18	GL08 UNIF	MV 0 3	
1830	LUAD Y 9061004	0.00	20	12.61	20	GL08 UNIF	MV 0 3	
1831	LUAD Z 9061004	0.00	06	12.61	06	GL08 UNIF	MV 0 3	
1832	LUAD X 9061004	12.61	16	12.61	16	GL08 UNIF	MV 0 3	
1833	LUAD Y 9061004	12.61	20	12.61	17	GL08 UNIF	MV 0 3	
1834	LUAD Z 9061004	12.61	06	12.61	05	GL08 UNIF	MV 0 3	
1835	LUAD X 9061004	25.22	16	12.61	1	GL08 UNIF	MV 0 3	
1836	LUAD Y 9061004	25.22	17	12.61	1	GL08 UNIF	MV 0 3	
1837	LUAD Z 9061004	25.22	05	12.61	1	GL08 UNIF	MV 0 3	
1838	LUAD X 10011002	0.00	03	10.10	03	GL08 UNIF	MV 0 3	
1839	LUAD Y 10011002	10.10	03	10.10	04	GL08 UNIF	MV 0 3	
1840	LUAD Z 10011002	20.21	04	10.10	04	GL08 UNIF	MV 0 3	
1841	LUAD X 10021003	0.00	04	10.10	05	GL08 UNIF	MV 0 3	
1842	LUAD Y 10021003	10.10	05	10.10	05	GL08 UNIF	MV 0 3	

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LINE NO. 1 2 3 4 5 6 7 8

1843	LJAU Y 10021003	20.21=	05	10.10=	05	GLUB UNIF	MV 0 3
1844	LJAU A 10011004	0.00=	02	15.16=	02	GLUB UNIF	MV 0 3
1845	LJAU Y 10011004	0.00=	1	15.16=	1	GLUB UNIF	MV 0 3
1846	LJAU Y 10011004	15.16=	02	15.16=	1	GLUB UNIF	MV 0 3
1847	LJAU Y 10011004	15.16=	1	15.16=	1	GLUB UNIF	MV 0 3
1848	LJAU A 10041006	0.00=	1	10.10=	1	GLUB UNIF	MV 0 3
1849	LJAU Y 10041006	0.00=	1	10.10=	1	GLUB UNIF	MV 0 3
1850	LJAU A 10041006	10.10=	1	10.10=	1	GLUB UNIF	MV 0 3
1851	LJAU A 10021005	0.00=	02	10.10=	02	GLUB UNIF	MV 0 3
1852	LJAU Y 10021005	0.00=	1	10.10=	1	GLUB UNIF	MV 0 3
1853	LJAU X 10021005	10.10=	02	10.10=	02	GLUB UNIF	MV 0 3
1854	LJAU Y 10021005	10.10=	1	10.10=	1	GLUB UNIF	MV 0 3
1855	LJAU X 10021005	20.21=	02	10.10=	02	GLUB UNIF	MV 0 3
1856	LJAU Y 10021005	20.21=	1	10.10=	1	GLUB UNIF	MV 0 3
1857	LJAU Y 10041005	0.00=	1	10.10=	02	GLUB UNIF	MV 0 3
1858	LJAU A 201 301	7.35=	39	2.55=	61	GLUB UNIF	MV 0 3
1859	LJAU Y 201 301	7.35=	67	2.55=	105	GLUB UNIF	MV 0 3
1860	LJAU Y 201 301	9.90=	61	2.55=	83	GLUB UNIF	MV 0 3
1861	LJAU Y 201 301	9.90=	105	2.55=	143	GLUB UNIF	MV 0 3
1862	LJAU A 201 301	12.45=	83	2.55=	94	GLUB UNIF	MV 0 3
1863	LJAU Y 201 301	12.45=	143	2.55=	162	GLUB UNIF	MV 0 3
1864	LJAU X 203 303	11.26=	49	1.25=	72	GLUB UNIF	MV 0 3
1865	LJAU Y 203 303	11.26=	85	1.25=	125	GLUB UNIF	MV 0 3
1866	LJAU X 203 303	12.51=	72	1.25=	84	GLUB UNIF	MV 0 3
1867	LJAU Y 203 303	12.51=	125	1.25=	145	GLUB UNIF	MV 0 3
1868	LJAU A 203 303	13.75=	84	1.25=	88	GLUB UNIF	MV 0 3
1869	LJAU Y 203 303	13.75=	145	1.25=	152	GLUB UNIF	MV 0 3
1870	LJAU X 206 306	8.56=	12	2.15=	38	GLUB UNIF	MV 0 3
1871	LJAU Y 206 306	8.56=	21	2.15=	66	GLUB UNIF	MV 0 3
1872	LJAU X 206 306	10.71=	38	2.15=	65	GLUB UNIF	MV 0 3
1873	LJAU Y 206 306	10.71=	66	2.15=	112	GLUB UNIF	MV 0 3
1874	LJAU A 206 306	12.85=	65	2.15=	174	GLUB UNIF	MV 0 3
1875	LJAU Y 206 306	12.85=	112	2.15=	128	GLUB UNIF	MV 0 3
1876	LJAU X 301 401	0.00=	94	9.50=	118	GLUB UNIF	MV 0 3
1877	LJAU Y 301 401	0.00=	162	9.50=	204	GLUB UNIF	MV 0 3
1878	LJAU A 301 401	9.50=	118	9.50=	104	GLUB UNIF	MV 0 3
1879	LJAU Y 301 401	9.50=	204	9.50=	180	GLUB UNIF	MV 0 3
1880	LJAU X 301 401	19.00=	104	9.50=	72	GLUB UNIF	MV 0 3
1881	LJAU Y 301 401	19.00=	180	9.50=	125	GLUB UNIF	MV 0 3
1882	LJAU A 303 403	0.00=	84	14.25=	112	GLUB UNIF	MV 0 3
1883	LJAU Y 303 403	0.00=	152	14.25=	195	GLUB UNIF	MV 0 3
1884	LJAU X 303 403	14.25=	112	14.25=	76	GLUB UNIF	MV 0 3
1885	LJAU Y 303 403	14.25=	195	14.25=	131	GLUB UNIF	MV 0 3
1886	LJAU A 306 406	0.00=	74	9.50=	102	GLUB UNIF	MV 0 3
1887	LJAU Y 306 406	0.00=	128	9.50=	178	GLUB UNIF	MV 0 3
1888	LJAU X 306 406	9.50=	102	9.50=	94	GLUB UNIF	MV 0 3
1889	LJAU Y 306 406	9.50=	178	9.50=	163	GLUB UNIF	MV 0 3
1890	LJAU A 306 406	19.00=	94	9.50=	64	GLUB UNIF	MV 0 3
1891	LJAU Y 306 406	19.00=	163	9.50=	112	GLUB UNIF	MV 0 3
1892	LJAU X 401 501	0.00=	128	4.56=	118	GLUB UNIF	MV 0 3

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LINE NO.	1	2	3	4	5	6	7	8
1893	LJAU Y	401 501	0.00=	196	4.56=	179	GL08 UNIF	MV 0 3
1894	LJAU Z	401 501	0.00=	02	4.56=	02	GL08 UNIF	MV 0 3
1895	LJAU A	403 503	0.00=	114	4.56=	104	GL10 UNIF	MV 0 3
1896	LJAU Y	403 503	0.00=	214	4.56=	197	GL10 UNIF	MV 0 3
1897	LJAU Z	403 503	0.00=	34	4.56=	32	GL08 UNIF	MV 0 3
1898	LJAU X	405 505	0.00=	98	4.56=	89	GL10 UNIF	MV 0 3
1899	LJAU Y	406 506	0.00=	179	4.56=	163	GL10 UNIF	MV 0 3
1900	LJAU Z	406 506	0.00=	30	4.56=	27	GL08 UNIF	MV 0 3
1901	LJAU A	501 601	0.00=	118	3.04=	111	GL10 UNIF	MV 0 3
1902	LJAU Y	501 601	0.00=	179	3.04=	168	GL10 UNIF	MV 0 3
1903	LJAU Z	501 601	0.00=	02	3.04=	02	GL08 UNIF	MV 0 3
1904	LJAU A	501 601	3.04=	111	3.04=	105	GL10 UNIF	MV 0 3
1905	LJAU Y	501 601	3.04=	168	3.04=	158	GL10 UNIF	MV 0 3
1906	LJAU Z	501 601	3.04=	02	3.04=	02	GL08 UNIF	MV 0 3
1907	LJAU A	503 603	0.00=	104	3.04=	08	GL08 UNIF	MV 0 3
1908	LJAU Y	503 603	0.00=	197	3.04=	185	GL10 UNIF	MV 0 3
1909	LJAU Z	503 603	0.00=	31	3.04=	29	GL08 UNIF	MV 0 3
1910	LJAU A	503 603	3.04=	98	3.04=	92	GL10 UNIF	MV 0 3
1911	LJAU Y	503 603	3.04=	185	3.04=	174	GL10 UNIF	MV 0 3
1912	LJAU Z	503 603	3.04=	29	3.04=	26	GL08 UNIF	MV 0 3
1913	LJAU A	506 606	0.00=	89	3.04=	83	GL10 UNIF	MV 0 3
1914	LJAU Y	506 606	0.00=	163	3.04=	152	GL10 UNIF	MV 0 3
1915	LJAU Z	506 606	0.00=	27	3.04=	25	GL08 UNIF	MV 0 3
1916	LJAU A	506 606	3.04=	85	3.04=	77	GL08 UNIF	MV 0 3
1917	LJAU Y	506 606	3.04=	152	3.04=	142	GL10 UNIF	MV 0 3
1918	LJAU Z	506 606	3.04=	25	3.04=	23	GL08 UNIF	MV 0 3
1919	LJAU A	601 641	0.00=	105	3.04=	99	GL10 UNIF	MV 0 3
1920	LJAU Y	601 641	0.00=	158	3.04=	150	GL10 UNIF	MV 0 3
1921	LJAU Z	601 641	0.00=	02	3.04=	02	GL08 UNIF	MV 0 3
1922	LJAU A	601 641	3.04=	99	3.04=	94	GL10 UNIF	MV 0 3
1923	LJAU Y	601 641	3.04=	150	3.04=	141	GL10 UNIF	MV 0 3
1924	LJAU Z	601 641	3.04=	02	3.04=	02	GL08 UNIF	MV 0 3
1925	LJAU A	603 643	0.00=	92	3.04=	87	GL10 UNIF	MV 0 3
1926	LJAU Y	603 643	0.00=	174	3.04=	165	GL10 UNIF	MV 0 3
1927	LJAU Z	603 643	0.00=	28	3.04=	26	GL08 UNIF	MV 0 3
1928	LJAU A	603 643	3.04=	87	3.04=	82	GL10 UNIF	MV 0 3
1929	LJAU Y	603 643	3.04=	165	3.04=	158	GL10 UNIF	MV 0 3
1930	LJAU Z	603 643	3.04=	26	3.04=	25	GL08 UNIF	MV 0 3
1931	LJAU A	606 646	0.00=	77	6.08=	69	GL10 UNIF	MV 0 3
1932	LJAU Y	606 646	0.00=	142	6.08=	127	GL10 UNIF	MV 0 3
1933	LJAU Z	606 646	0.00=	24	6.08=	21	GL08 UNIF	MV 0 3
1934	LJAU A	641 651	0.00=	144	3.04=	138	GL10 UNIF	MV 0 3
1935	LJAU Y	641 651	0.00=	204	3.04=	192	GL10 UNIF	MV 0 3
1936	LJAU Z	641 651	0.00=	04	3.04=	04	GL08 UNIF	MV 0 3
1937	LJAU A	641 651	3.04=	138	3.04=	129	GL10 UNIF	MV 0 3
1938	LJAU Y	641 651	3.04=	192	3.04=	183	GL10 UNIF	MV 0 3
1939	LJAU Z	641 651	3.04=	04	3.04=	03	GL08 UNIF	MV 0 3
1940	LJAU A	643 653	0.00=	124	6.08=	111	GL10 UNIF	MV 0 3
1941	LJAU Y	643 653	0.00=	240	6.08=	217	GL10 UNIF	MV 0 3
1942	LJAU Z	643 653	0.00=	38	6.08=	34	GL08 UNIF	MV 0 3

SEALDAD=2

LINE NO. 1 2 3 4 5 6 7 8

1943	L340 A	648 654	6.00=	92	6.08=	61	GL08 U41F	WV 0 3
1944	L340 Y	648 654	6.00=	176	6.08=	150	GL08 U41F	WV 0 3
1945	L340 Z	648 654	6.00=	30	6.08=	26	GL08 U41F	WV 0 3
1946	L340 A	651 701	6.00=	124	6.55=	122	GL08 U41F	WV 0 3
1947	L340 Y	651 701	6.00=	143	6.55=	172	GL08 U41F	WV 0 3
1948	L340 Z	651 701	6.00=	03	6.55=	03	GL08 U41F	WV 0 3
1949	L340 A	651 701	6.55=	122	6.55=	115	GL08 U41F	WV 0 3
1950	L340 Y	651 701	6.55=	172	6.55=	161	GL08 U41F	WV 0 3
1951	L340 Z	651 701	6.55=	93	6.55=	93	GL08 U41F	WV 0 3
1952	L340 A	653 703	6.00=	111	6.55=	105	GL08 U41F	WV 0 3
1953	L340 Y	653 703	6.00=	217	6.55=	205	GL08 U41F	WV 0 3
1954	L340 Z	653 703	6.00=	34	6.55=	32	GL08 U41F	WV 0 3
1955	L340 A	653 703	6.55=	165	6.55=	94	GL08 U41F	WV 0 3
1956	L340 Y	653 703	6.55=	205	6.55=	173	GL08 U41F	WV 0 3
1957	L340 Z	653 703	6.55=	32	6.55=	30	GL08 U41F	WV 0 3
1958	L340 A	656 706	6.00=	41	6.55=	76	GL08 U41F	WV 0 3
1959	L340 Y	656 706	6.00=	150	6.55=	177	GL08 U41F	WV 0 3
1960	L340 Z	656 706	6.00=	26	6.55=	25	GL08 U41F	WV 0 3
1961	L340 A	656 706	6.55=	76	6.55=	71	GL08 U41F	WV 0 3
1962	L340 Y	656 706	6.55=	167	6.55=	137	GL08 U41F	WV 0 3
1963	L340 Z	656 706	6.55=	25	6.55=	23	GL08 U41F	WV 0 3
1964	L340 A	701 801	6.00=	108	6.79=	94	GL08 U41F	WV 0 3
1965	L340 Y	701 801	6.00=	155	6.79=	135	GL08 U41F	WV 0 3
1966	L340 Z	701 801	6.00=	63	6.79=	62	GL08 U41F	WV 0 3
1967	L340 A	701 801	6.79=	94	6.79=	83	GL08 U41F	WV 0 3
1968	L340 Y	701 801	6.79=	135	6.79=	114	GL08 U41F	WV 0 3
1969	L340 Z	701 801	6.79=	62	6.79=	62	GL08 U41F	WV 0 3
1970	L340 A	701 801	17.57=	85	6.79=	73	GL08 U41F	WV 0 3
1971	L340 Y	701 801	17.57=	114	6.79=	106	GL08 U41F	WV 0 3
1972	L340 Z	701 801	17.57=	62	6.79=	62	GL08 U41F	WV 0 3
1973	L340 A	703 803	6.00=	94	6.79=	82	GL08 U41F	WV 0 3
1974	L340 Y	703 803	6.00=	161	6.79=	160	GL08 U41F	WV 0 3
1975	L340 Z	703 803	6.00=	24	6.79=	25	GL08 U41F	WV 0 3
1976	L340 A	703 803	6.79=	82	6.79=	74	GL08 U41F	WV 0 3
1977	L340 Y	703 803	6.79=	160	6.79=	142	GL08 U41F	WV 0 3
1978	L340 Z	703 803	6.79=	25	6.79=	22	GL08 U41F	WV 0 3
1979	L340 A	703 803	17.57=	74	6.79=	67	GL08 U41F	WV 0 3
1980	L340 Y	703 803	17.57=	142	6.79=	126	GL08 U41F	WV 0 3
1981	L340 Z	703 803	17.57=	22	6.79=	20	GL08 U41F	WV 0 3
1982	L340 A	706 806	6.00=	64	6.79=	54	GL08 U41F	WV 0 3
1983	L340 Y	706 806	6.00=	133	6.79=	113	GL08 U41F	WV 0 3
1984	L340 Z	706 806	6.00=	22	6.79=	14	GL08 U41F	WV 0 3
1985	L340 A	706 806	6.79=	59	6.79=	51	GL08 U41F	WV 0 3
1986	L340 Y	706 806	6.79=	113	6.79=	97	GL08 U41F	WV 0 3
1987	L340 Z	706 806	6.79=	14	6.79=	16	GL08 U41F	WV 0 3
1988	L340 A	706 806	17.57=	51	6.79=	44	GL08 U41F	WV 0 3
1989	L340 Y	706 806	17.57=	97	6.79=	84	GL08 U41F	WV 0 3
1990	L340 Z	706 806	17.57=	16	6.79=	14	GL08 U41F	WV 0 3
1991	L340 A	706 806	6.00=	73	6.12=	65	GL08 U41F	WV 0 3
1992	L340 Y	701 801	6.00=	176	6.12=	145	GL08 U41F	WV 0 3



SEALCAN=2

LINE NO.	1	2	3	4	5	6	7	8
1993	LJAU Z 901 901	0.00=	02	9.12=	1	GLUB UNIF	MV 0 3	
1994	LJAU A 901 901	9.12=	65	9.12=	58	GLUB UNIF	MV 0 3	
1995	LJAU Y 901 901	9.12=	95	9.12=	86	GLUB UNIF	MV 0 3	
1996	LJAU Z 901 901	9.12=	1	9.12=	1	GLUB UNIF	MV 0 3	
1997	LJAU X 901 901	18.25=	58	9.12=	52	GLUB UNIF	MV 0 3	
1998	LJAU Y 901 901	18.25=	86	9.12=	80	GLUB UNIF	MV 0 3	
1999	LJAU Z 901 901	18.25=	1	9.12=	1	GLUB UNIF	MV 0 3	
2000	LJAU A 903 903	0.00=	67	9.12=	61	GLUB UNIF	MV 0 3	
2001	LJAU Y 903 903	0.00=	126	9.12=	116	GLUB UNIF	MV 0 3	
2002	LJAU Z 903 903	0.00=	20	9.12=	18	GLUB UNIF	MV 0 3	
2003	LJAU X 903 903	9.12=	61	9.12=	57	GLUB UNIF	MV 0 3	
2004	LJAU Y 903 903	9.12=	116	9.12=	107	GLUB UNIF	MV 0 3	
2005	LJAU Z 903 903	9.12=	18	9.12=	17	GLUB UNIF	MV 0 3	
2006	LJAU A 903 903	18.25=	57	9.12=	54	GLUB UNIF	MV 0 3	
2007	LJAU Y 903 903	18.25=	107	9.12=	100	GLUB UNIF	MV 0 3	
2008	LJAU Z 903 903	18.25=	17	9.12=	16	GLUB UNIF	MV 0 3	
2009	LJAU X 906 906	0.00=	44	9.12=	36	GLUB UNIF	MV 0 3	
2010	LJAU Y 906 906	0.00=	84	9.12=	72	GLUB UNIF	MV 0 3	
2011	LJAU Z 906 906	0.00=	14	9.12=	12	GLUB UNIF	MV 0 3	
2012	LJAU A 906 906	9.12=	36	9.12=	33	GLUB UNIF	MV 0 3	
2013	LJAU Y 906 906	9.12=	72	9.12=	63	GLUB UNIF	MV 0 3	
2014	LJAU Z 906 906	9.12=	12	9.12=	10	GLUB UNIF	MV 0 3	
2015	LJAU A 906 906	18.25=	33	9.12=	29	GLUB UNIF	MV 0 3	
2016	LJAU Y 906 906	18.25=	63	9.12=	54	GLUB UNIF	MV 0 3	
2017	LJAU Z 906 906	18.25=	10	9.12=	04	GLUB UNIF	MV 0 3	
2018	LJAU A 9011001	0.00=	52	9.12=	47	GLUB UNIF	MV 0 3	
2019	LJAU Y 9011001	0.00=	80	9.12=	75	GLUB UNIF	MV 0 3	
2020	LJAU Z 9011001	0.00=	1	9.12=	1	GLUB UNIF	MV 0 3	
2021	LJAU A 9011001	9.12=	47	9.12=	40	GLUB UNIF	MV 0 3	
2022	LJAU Y 9011001	9.12=	75	9.12=	65	GLUB UNIF	MV 0 3	
2023	LJAU Z 9011001	9.12=	1	9.12=	06	GLUB UNIF	MV 0 3	
2024	LJAU A 9031003	18.25=	40	9.12=	36	GLUB UNIF	MV 0 3	
2025	LJAU Y 9031003	18.25=	65	9.12=	10	GLUB UNIF	MV 0 3	
2026	LJAU Z 9031003	0.00=	54	9.12=	52	GLUB UNIF	MV 0 3	
2027	LJAU A 9031003	0.00=	100	9.12=	95	GLUB UNIF	MV 0 3	
2028	LJAU Y 9031003	0.00=	16	9.12=	15	GLUB UNIF	MV 0 3	
2029	LJAU Z 9031003	9.12=	52	9.12=	47	GLUB UNIF	MV 0 3	
2030	LJAU A 9061006	9.12=	95	9.12=	86	GLUB UNIF	MV 0 3	
2031	LJAU Y 9061006	9.12=	15	9.12=	14	GLUB UNIF	MV 0 3	
2032	LJAU Z 9061006	18.25=	47	9.12=	21	GLUB UNIF	MV 0 3	
2033	LJAU A 9031003	18.25=	86	9.12=	36	GLUB UNIF	MV 0 3	
2034	LJAU Y 9031003	18.25=	14	9.12=	06	GLUB UNIF	MV 0 3	
2035	LJAU Z 9061006	0.00=	29	9.12=	26	GLUB UNIF	MV 0 3	
2036	LJAU A 9061006	0.00=	54	9.12=	47	GLUB UNIF	MV 0 3	
2037	LJAU Y 9061006	0.00=	04	9.12=	08	GLUB UNIF	MV 0 3	
2038	LJAU Z 9061006	9.12=	26	9.12=	20	GLUB UNIF	MV 0 3	
2039	LJAU A 9061006	9.12=	47	9.12=	35	GLUB UNIF	MV 0 3	
2040	LJAU Y 9061006	9.12=	06	9.12=	06	GLUB UNIF	MV 0 3	
2041	LJAU Z 9061006	18.25=	20	5.77		GLUB UNIF	MV 0 3	
2042	LJAU A 9061006	24.02	3.35		11	GLUB UNIF	MV 0 3	

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LINE	NO.	1	2	3	4	5	6	7	8
2043	LUAD Y	9061006	16.25-	35	5.87				
2044	LUAD Y	9061006	24.12		19				
2045	LUAD Z	9061006	16.25-	06	5.88				
2046	LUAD Z	9061006	24.13		03				
2047	LUAD6	4							
2048	LUAD Y	401 510	0.00-	135					
2049	LUAD X	401 510				0.00	70240	GLUB UNIF	WN 0 4
2050	LUAD Y	403 511	0.00-	135					
2051	LUAD X	403 511				0.00	70240	GLUB UNIF	WN 0 4
2052	LUAD Y	406 512	0.00-	135					
2053	LUAD X	406 512				0.00	70240	GLUB UNIF	WN 0 4
2054	LUAD Y	401 510	0.00-	326					
2055	LUAD X	401 510				0.00	189520	GLUB UNIF	WN 0 4
2056	LUAD Y	403 511	0.00-	326					
2057	LUAD X	403 511				0.00	189520	GLUB UNIF	WN 0 4
2058	LUAD Y	406 512	0.00-	326					
2059	LUAD X	406 512				0.00	189520	GLUB UNIF	WN 0 4
2060	LUAD X	201 303	25.86	16	2.93				
2061	LUAD Y	201 303	25.86-	155	2.93-				
2062	LUAD Z	201 303	25.86-	51	2.93-				
2063	LUAD X	201 303	26.79	17	2.93				
2064	LUAD Y	201 303	26.79-	223	2.93-				
2065	LUAD Z	201 303	26.79-	34	2.93-				
2066	LUAD X	201 303	29.72	18	2.93				
2067	LUAD Y	201 303	29.72-	263	2.93-				
2068	LUAD Z	201 303	29.72-	35	2.93-				
2069	LUAD X	203 306	19.72	43	4.51				
2070	LUAD Y	203 306	19.72-	99	4.51-				
2071	LUAD Z	203 306	19.72-	124	4.51-				
2072	LUAD X	203 306	24.03	59	4.51				
2073	LUAD Y	203 306	24.03-	124	4.51-				
2074	LUAD Z	203 306	24.03-	150	4.51-				
2075	LUAD X	203 306	26.34	60	4.51				
2076	LUAD Y	203 306	26.34-	125	4.51-				
2077	LUAD Z	203 306	26.34-	152	4.51-				
2078	LUAD X	206 301	21.53	64	3.71				
2079	LUAD Y	206 301	21.53-	40	3.71-				
2080	LUAD Z	206 301	21.53-	05	3.71-				
2081	LUAD X	206 301	25.25	80	3.71				
2082	LUAD Y	206 301	25.25-	63	3.71-				
2083	LUAD Z	206 301	25.25-	27	3.71-				
2084	LUAD X	206 301	26.94	99	3.71				
2085	LUAD Y	206 301	26.94-	88	3.71-				
2086	LUAD Z	206 301	26.94-	51	3.71-				
2087	LUAD X	301 403	0.00-	05	20.33				
2088	LUAD Y	301 403	0.00-	135	20.33-				
2089	LUAD Z	301 403	0.00-	05	20.33-				
2090	LUAD X	301 403	20.33	07	20.33				
2091	LUAD Y	301 403	20.33-	176	20.33-				
2092	LUAD Z	301 403	20.33-	08	20.33-				

SEALOAD=2

LI.F NO. 1...5.....0...5.....0...5.....0...5.....0...5.....0...5.....0...5.....0...5.....0...5.....0...5.....0...5.....0

2093	LJAO Y	501 503	0.00	110	29.00	116	GL08	UNIF	MV 0 4
2094	LJAO Z	501 503	0.00	00	29.00	00	GL08	UNIF	MV 0 4
2095	LJAO A	503 506	0.00	50	14.50	50	GL08	UNIF	MV 0 4
2096	LJAO T	503 505	0.00	29	14.50	32	GL08	UNIF	MV 0 4
2097	LJAO Z	503 506	0.00	00	14.50	10	GL08	UNIF	MV 0 4
2098	LJAO A	503 505	14.50	00	14.50	50	GL08	UNIF	MV 0 4
2099	LJAO Y	503 505	14.50	32	14.50	29	GL08	UNIF	MV 0 4
2100	LJAO Z	503 505	14.50	16	14.50	23	GL08	UNIF	MV 0 4
2101	LJAO A	501 505	0.00	50	14.50	50	GL08	UNIF	MV 0 4
2102	LJAO Y	501 505	0.00	29	14.50	32	GL08	UNIF	MV 0 4
2103	LJAO Z	501 505	0.00	00	14.50	10	GL08	UNIF	MV 0 4
2104	LJAO A	501 506	14.50	50	14.50	50	GL08	UNIF	MV 0 4
2105	LJAO Y	501 506	14.50	32	14.50	29	GL08	UNIF	MV 0 4
2106	LJAO Z	501 506	14.50	16	14.50	23	GL08	UNIF	MV 0 4
2107	LJAO Y	501 502	0.00	70	15.15	70	GL08	UNIF	MV 0 4
2108	LJAO Z	501 502	0.00	00	15.15	00	GL08	UNIF	MV 0 4
2109	LJAO Y	502 503	0.00	70	15.15	70	GL08	UNIF	MV 0 4
2110	LJAO Z	502 503	0.00	00	15.15	00	GL08	UNIF	MV 0 4
2111	LJAO A	503 505	0.00	30	15.15	30	GL08	UNIF	MV 0 4
2112	LJAO T	503 505	0.00	17	15.15	17	GL08	UNIF	MV 0 4
2113	LJAO Z	503 505	0.00	00	15.15	00	GL08	UNIF	MV 0 4
2114	LJAO A	505 506	0.00	50	15.15	29	GL08	UNIF	MV 0 4
2115	LJAO Z	505 506	0.00	17	15.15	10	GL08	UNIF	MV 0 4
2116	LJAO Y	505 506	0.00	00	15.15	10	GL08	UNIF	MV 0 4
2117	LJAO A	501 504	0.00	30	15.15	30	GL08	UNIF	MV 0 4
2118	LJAO Y	501 504	0.00	17	15.15	17	GL08	UNIF	MV 0 4
2119	LJAO Z	501 504	0.00	00	15.15	00	GL08	UNIF	MV 0 4
2120	LJAO A	504 506	0.00	30	15.15	29	GL08	UNIF	MV 0 4
2121	LJAO Y	504 506	0.00	17	15.15	10	GL08	UNIF	MV 0 4
2122	LJAO Z	504 506	0.00	00	15.15	10	GL08	UNIF	MV 0 4
2123	LJAO A	502 504	0.00	24	15.15	24	GL08	UNIF	MV 0 4
2124	LJAO Y	502 504	0.00	14	15.15	14	GL08	UNIF	MV 0 4
2125	LJAO Z	502 504	0.00	04	15.15	05	GL08	UNIF	MV 0 4
2126	LJAO A	502 504	0.00	24	15.15	24	GL08	UNIF	MV 0 4
2127	LJAO Y	502 505	0.00	14	15.15	14	GL08	UNIF	MV 0 4
2128	LJAO Z	502 505	0.00	05	15.15	05	GL08	UNIF	MV 0 4
2129	LJAO A	504 505	0.00	55	15.14	55	GL08	UNIF	MV 0 4
2130	LJAO Z	504 505	0.00	05	15.14	05	GL08	UNIF	MV 0 4
2131	LJAO A	501 513	0.00	22	5.00	22	GL08	UNIF	MV 0 4
2132	LJAO Y	501 513	0.00	39	5.00	39	GL08	UNIF	MV 0 4
2133	LJAO Z	501 513	0.00	03	3.00	03	GL08	UNIF	MV 0 4
2134	LJAO A	503 514	0.00	22	5.00	22	GL08	UNIF	MV 0 4
2135	LJAO Y	503 514	0.00	39	5.00	39	GL08	UNIF	MV 0 4
2136	LJAO Z	503 514	0.00	03	3.00	03	GL08	UNIF	MV 0 4
2137	LJAO A	513 651	0.00	193	6.00	171	GL08	UNIF	MV 0 4
2138	LJAO Y	513 651	0.00	171	6.00	153	GL08	UNIF	MV 0 4
2139	LJAO Z	513 651	12.00	153	6.00	130	GL08	UNIF	MV 0 4
2140	LJAO A	514 653	0.00	193	6.00	171	GL08	UNIF	MV 0 4
2141	LJAO Y	514 653	0.00	171	6.00	153	GL08	UNIF	MV 0 4
2142	LJAO Z	514 653	12.00	153	6.00	130	GL08	UNIF	MV 0 4

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
2143	LJAU Z 501 611	0.00=	04	0.00=	03	GL09 U91F	03	MV 0 4
2144	LJAU Z 503 613	0.00=	04	0.00=	03	GL09 U91F	03	MV 0 4
2145	LJAU Y 611 612	0.00=	44	16.01=	44	GL09 U91F	44	MV 0 4
2146	LJAU Z 511 612	0.00=	02	16.01=	02	GL09 U91F	02	MV 0 4
2147	LJAU Y 612 613	0.00=	44	16.01=	44	GL09 U91F	44	MV 0 4
2148	LJAU Z 612 613	0.00=	02	16.01=	02	GL09 U91F	02	MV 0 4
2149	LJAU Y 601 602	0.00=	75	17.75=	75	GL09 U91F	75	MV 0 4
2150	LJAU Z 601 602	0.00=	1	17.75=	1	GL09 U91F	1	MV 0 4
2151	LJAU Y 602 603	0.00=	75	17.75=	75	GL09 U91F	75	MV 0 4
2152	LJAU Z 602 603	0.00=	1	17.75=	1	GL09 U91F	1	MV 0 4
2153	LJAU A 611 601	0.00=	03	6.06=	03	GL09 U91F	03	MV 0 4
2154	LJAU Y 611 601	0.00=	121	6.06=	109	GL09 U91F	109	MV 0 4
2155	LJAU A 611 601	0.06=	03	6.06=	03	GL09 U91F	03	MV 0 4
2156	LJAU Y 611 601	0.06=	109	6.06=	98	GL09 U91F	98	MV 0 4
2157	LJAU Y 612 602	0.00=	77	6.00=	64	GL09 U91F	64	MV 0 4
2158	LJAU Y 612 602	0.00=	49	6.00=	62	GL09 U91F	62	MV 0 4
2159	LJAU A 613 603	0.00=	03	6.06=	03	GL09 U91F	03	MV 0 4
2160	LJAU Y 613 603	0.00=	121	6.06=	109	GL09 U91F	109	MV 0 4
2161	LJAU A 613 603	0.06=	03	6.06=	03	GL09 U91F	03	MV 0 4
2162	LJAU Y 613 603	0.06=	109	6.06=	98	GL09 U91F	98	MV 0 4
2163	LJAU A 501 642	0.00=	08	10.12=	08	GL09 U91F	08	MV 0 4
2164	LJAU Y 501 642	0.00=	88	10.12=	76	GL09 U91F	76	MV 0 4
2165	LJAU Z 501 642	0.00=	04	10.12=	04	GL09 U91F	04	MV 0 4
2166	LJAU X 501 642	10.12	08	10.12	07	GL09 U91F	07	MV 0 4
2167	LJAU Y 501 642	10.12=	78	10.12=	70	GL09 U91F	70	MV 0 4
2168	LJAU Z 501 642	10.12=	04	10.12=	04	GL09 U91F	04	MV 0 4
2169	LJAU X 503 645	0.00=	21	10.12=	18	GL09 U91F	18	MV 0 4
2170	LJAU Y 503 645	0.00=	47	10.12=	42	GL09 U91F	42	MV 0 4
2171	LJAU Z 503 645	0.00=	45	10.12=	41	GL09 U91F	41	MV 0 4
2172	LJAU X 503 645	10.12	18	10.12	15	GL09 U91F	15	MV 0 4
2173	LJAU Y 503 645	10.12=	42	10.12=	38	GL09 U91F	38	MV 0 4
2174	LJAU Z 503 645	10.12=	41	10.12=	37	GL09 U91F	37	MV 0 4
2175	LJAU X 505 644	0.00=	28	6.75=	27	GL09 U91F	27	MV 0 4
2176	LJAU Y 505 644	0.00=	59	6.75=	37	GL09 U91F	37	MV 0 4
2177	LJAU Z 505 644	0.00=	23	6.75=	22	GL09 U91F	22	MV 0 4
2178	LJAU X 505 644	6.75=	27	6.75=	25	GL09 U91F	25	MV 0 4
2179	LJAU Y 505 644	6.75=	37	6.75=	36	GL09 U91F	36	MV 0 4
2180	LJAU Z 505 644	6.75	22	6.75	21	GL09 U91F	21	MV 0 4
2181	LJAU X 505 644	13.49=	25	6.75=	24	GL09 U91F	24	MV 0 4
2182	LJAU Y 505 644	13.49=	38	6.75=	34	GL09 U91F	34	MV 0 4
2183	LJAU Z 505 644	13.49	21	6.75	20	GL09 U91F	20	MV 0 4
2184	LJAU X 642 703	0.00=	08	7.31	08	GL09 U91F	08	MV 0 4
2185	LJAU Y 642 703	0.00=	104	7.31=	98	GL09 U91F	98	MV 0 4
2186	LJAU Z 642 703	0.00=	03	7.31=	03	GL09 U91F	03	MV 0 4
2187	LJAU X 642 703	7.31	08	7.31	07	GL09 U91F	07	MV 0 4
2188	LJAU Y 642 703	7.31=	98	7.31=	89	GL09 U91F	89	MV 0 4
2189	LJAU Z 642 703	7.31=	03	7.31=	03	GL09 U91F	03	MV 0 4
2190	LJAU X 642 703	14.62=	07	7.31	07	GL09 U91F	07	MV 0 4
2191	LJAU Y 642 703	14.62=	89	7.31=	82	GL09 U91F	82	MV 0 4
2192	LJAU Z 642 703	14.62=	03	7.31=	03	GL09 U91F	03	MV 0 4

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LINE NO.	1	2	3	4	5	6	7	8
2193	LJAU X 645 706	0.00	24	7.31	22	GLUB UNIF	MV 0 4	
2194	LJAU Y 645 706	0.00	55	7.31	51	GLUB UNIF	MV 0 4	
2195	LJAU Z 645 706	0.00	52	7.31	48	GLUB UNIF	MV 0 4	
2196	LJAU A 645 706	7.31	22	7.31	20	GLUB UNIF	MV 0 4	
2197	LJAU Y 645 706	7.31	51	7.31	46	GLUB UNIF	MV 0 4	
2198	LJAU Z 645 706	7.31	48	7.31	44	GLUB UNIF	MV 0 4	
2199	LJAU A 645 705	14.62	20	7.31	16	GLUB UNIF	MV 0 4	
2200	LJAU Y 645 706	14.62	26	7.31	42	GLUB UNIF	MV 0 4	
2201	LJAU Z 645 706	14.62	44	7.31	40	GLUB UNIF	MV 0 4	
2202	LJAU A 644 701	0.00	34	7.31	31	GLUB UNIF	MV 0 4	
2203	LJAU Y 644 701	0.00	53	7.31	49	GLUB UNIF	MV 0 4	
2204	LJAU Z 644 701	0.00	34	7.31	32	GLUB UNIF	MV 0 4	
2205	LJAU A 644 701	7.31	31	7.31	29	GLUB UNIF	MV 0 4	
2206	LJAU Y 644 701	7.31	49	7.31	46	GLUB UNIF	MV 0 4	
2207	LJAU Z 644 701	7.31	32	7.31	30	GLUB UNIF	MV 0 4	
2208	LJAU A 644 701	14.62	29	7.31	27	GLUB UNIF	MV 0 4	
2209	LJAU Y 644 701	14.62	46	7.31	42	GLUB UNIF	MV 0 4	
2210	LJAU Z 644 701	14.62	30	7.31	28	GLUB UNIF	MV 0 4	
2211	LJAU A 701 702	0.00	54	18.76	54	GLUB UNIF	MV 0 4	
2212	LJAU Z 701 702	0.00	02	18.76	02	GLUB UNIF	MV 0 4	
2213	LJAU Y 702 703	0.00	54	18.76	54	GLUB UNIF	MV 0 4	
2214	LJAU Z 702 703	0.00	02	18.76	02	GLUB UNIF	MV 0 4	
2215	LJAU A 703 705	0.00	23	18.76	24	GLUB UNIF	MV 0 4	
2216	LJAU Y 703 705	0.00	13	18.76	14	GLUB UNIF	MV 0 4	
2217	LJAU Z 703 705	0.00	02	18.76	03	GLUB UNIF	MV 0 4	
2218	LJAU A 705 706	0.00	24	18.75	23	GLUB UNIF	MV 0 4	
2219	LJAU Y 705 706	0.00	14	18.75	13	GLUB UNIF	MV 0 4	
2220	LJAU Z 705 706	0.00	03	18.75	03	GLUB UNIF	MV 0 4	
2221	LJAU A 701 704	0.00	23	18.76	24	GLUB UNIF	MV 0 4	
2222	LJAU Y 701 704	0.00	13	18.76	14	GLUB UNIF	MV 0 4	
2223	LJAU Z 701 704	0.00	02	18.76	03	GLUB UNIF	MV 0 4	
2224	LJAU A 704 706	0.00	24	18.75	23	GLUB UNIF	MV 0 4	
2225	LJAU Y 704 706	0.00	14	18.75	13	GLUB UNIF	MV 0 4	
2226	LJAU Z 704 706	0.00	03	18.75	03	GLUB UNIF	MV 0 4	
2227	LJAU A 702 704	0.00	21	18.76	21	GLUB UNIF	MV 0 4	
2228	LJAU Y 702 704	0.00	12	18.76	12	GLUB UNIF	MV 0 4	
2229	LJAU Z 702 704	0.00	06	18.76	07	GLUB UNIF	MV 0 4	
2230	LJAU A 702 705	0.00	21	18.76	21	GLUB UNIF	MV 0 4	
2231	LJAU Y 702 705	0.00	12	18.76	12	GLUB UNIF	MV 0 4	
2232	LJAU Z 702 705	0.00	06	18.76	07	GLUB UNIF	MV 0 4	
2233	LJAU A 704 705	0.00	48	18.76	48	GLUB UNIF	MV 0 4	
2234	LJAU Y 704 705	0.00	07	18.76	07	GLUB UNIF	MV 0 4	
2235	LJAU Z 704 705	0.00	22	18.27	19	GLUB UNIF	MV 0 4	
2236	LJAU A 701 806	0.00	34	18.27	34	GLUB UNIF	MV 0 4	
2237	LJAU Y 701 806	0.00	34	18.27	35	GLUB UNIF	MV 0 4	
2238	LJAU Z 701 806	18.27	19	18.27	16	GLUB UNIF	MV 0 4	
2239	LJAU A 701 806	18.27	34	18.27	30	GLUB UNIF	MV 0 4	
2240	LJAU Y 701 806	18.27	35	18.27	30	GLUB UNIF	MV 0 4	
2241	LJAU Z 701 806	32.55	16	18.27	14	GLUB UNIF	MV 0 4	
2242	LJAU A 701 806	32.55	30	18.27	25	GLUB UNIF	MV 0 4	

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LINE NO. 1 2 3 4 5 6 7 8

2243	LOAD 2	701 804	32.55	50	16.27	25	GLUB UNIF	MV 0 4
2244	LOAD A	703 801	0.00	07	16.28	06	GLUB UNIF	MV 0 4
2245	LOAD Y	703 801	0.00	62	16.28	72	GLUB UNIF	MV 0 4
2246	LOAD Z	703 801	0.00	04	16.28	03	GLUB UNIF	MV 0 4
2247	LOAD X	703 801	16.24	06	16.28	05	GLUB UNIF	MV 0 4
2248	LOAD Y	703 801	16.24	72	16.28	63	GLUB UNIF	MV 0 4
2249	LOAD Z	703 801	16.24	03	16.28	03	GLUB UNIF	MV 0 4
2250	LOAD X	703 801	32.55	05	16.28	04	GLUB UNIF	MV 0 4
2251	LOAD Y	703 801	32.55	63	16.28	56	GLUB UNIF	MV 0 4
2252	LOAD Z	703 801	32.55	03	16.28	02	GLUB UNIF	MV 0 4
2253	LOAD X	706 803	0.00	24	16.28	26	GLUB UNIF	MV 0 4
2254	LOAD Y	706 803	0.00	34	16.28	32	GLUB UNIF	MV 0 4
2255	LOAD Z	706 803	0.00	22	16.28	21	GLUB UNIF	MV 0 4
2256	LOAD X	706 803	16.24	26	16.28	23	GLUB UNIF	MV 0 4
2257	LOAD Y	706 803	16.24	32	16.28	29	GLUB UNIF	MV 0 4
2258	LOAD Z	706 803	16.24	21	16.28	19	GLUB UNIF	MV 0 4
2259	LOAD X	706 803	32.55	23	16.28	20	GLUB UNIF	MV 0 4
2260	LOAD Y	706 803	32.55	29	16.28	26	GLUB UNIF	MV 0 4
2261	LOAD Z	706 803	32.55	19	16.28	18	GLUB UNIF	MV 0 4
2262	LOAD X	801 802	0.00	36	22.51	36	GLUB UNIF	MV 0 4
2263	LOAD Y	801 802	0.00	1	22.51	1	GLUB UNIF	MV 0 4
2264	LOAD Z	802 803	0.00	36	22.51	36	GLUB UNIF	MV 0 4
2265	LOAD X	803 805	0.00	1	22.51	1	GLUB UNIF	MV 0 4
2266	LOAD Y	803 805	0.00	16	22.51	16	GLUB UNIF	MV 0 4
2267	LOAD Z	803 805	0.00	09	22.51	09	GLUB UNIF	MV 0 4
2268	LOAD X	803 805	0.00	1	22.51	02	GLUB UNIF	MV 0 4
2269	LOAD Y	803 806	0.00	16	22.51	15	GLUB UNIF	MV 0 4
2270	LOAD Z	804 806	0.00	09	22.51	09	GLUB UNIF	MV 0 4
2271	LOAD X	804 806	0.00	02	22.51	02	GLUB UNIF	MV 0 4
2272	LOAD Y	804 804	0.00	16	22.51	16	GLUB UNIF	MV 0 4
2273	LOAD Z	801 804	0.00	09	22.51	09	GLUB UNIF	MV 0 4
2274	LOAD X	801 804	0.00	1	22.51	02	GLUB UNIF	MV 0 4
2275	LOAD Y	804 806	0.00	16	22.51	15	GLUB UNIF	MV 0 4
2276	LOAD Z	804 806	0.00	09	22.51	09	GLUB UNIF	MV 0 4
2277	LOAD X	804 806	0.00	02	22.51	02	GLUB UNIF	MV 0 4
2278	LOAD Y	802 804	0.00	14	22.52	14	GLUB UNIF	MV 0 4
2279	LOAD Z	802 804	0.00	08	22.52	08	GLUB UNIF	MV 0 4
2280	LOAD X	802 804	0.00	04	22.52	05	GLUB UNIF	MV 0 4
2281	LOAD Y	802 805	0.00	14	22.52	14	GLUB UNIF	MV 0 4
2282	LOAD Z	802 805	0.00	08	22.52	08	GLUB UNIF	MV 0 4
2283	LOAD X	802 805	0.00	04	22.52	05	GLUB UNIF	MV 0 4
2284	LOAD Y	804 805	0.00	33	22.52	33	GLUB UNIF	MV 0 4
2285	LOAD Z	804 805	0.00	05	22.52	05	GLUB UNIF	MV 0 4
2286	LOAD X	801 903	0.00	04	18.64	04	GLUB UNIF	MV 0 4
2287	LOAD Y	801 903	0.00	56	18.64	50	GLUB UNIF	MV 0 4
2288	LOAD Z	801 903	0.00	03	18.64	02	GLUB UNIF	MV 0 4
2289	LOAD X	801 903	18.64	04	18.64	03	GLUB UNIF	MV 0 4
2290	LOAD Y	801 903	18.64	50	18.64	46	GLUB UNIF	MV 0 4
2291	LOAD Z	801 903	18.64	02	18.64	02	GLUB UNIF	MV 0 4
2292	LOAD X	801 903	37.24	03	18.64	03	GLUB UNIF	MV 0 4

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
2293	LJAU Y 801 903	37.28=	46	18.64=	42	GLUB UNIF	MV 0 4	
2294	LJAU Z 901 903	37.28=	02	18.64=	1	GLUB UNIF	MV 0 4	
2295	LJAU X 803 906	0.00	17	18.64	15	GLUB UNIF	MV 0 4	
2296	LJAU Y 803 906	0.00=	24	18.64=	22	GLUB UNIF	MV 0 4	
2297	LJAU Z 803 906	0.00=	25	18.64=	23	GLUB UNIF	MV 0 4	
2298	LJAU J 803 905	18.64	15	18.64	13	GLUB UNIF	MV 0 4	
2299	LJAU Y 803 905	18.64=	22	18.64=	19	GLUB UNIF	MV 0 4	
2300	LJAU Z 803 905	18.64=	25	18.64=	20	GLUB UNIF	MV 0 4	
2301	LJAU J 803 906	37.24	13	18.64	11	GLUB UNIF	MV 0 4	
2302	LJAU Y 803 906	37.24=	19	18.64=	16	GLUB UNIF	MV 0 4	
2303	LJAU Z 803 906	37.24=	20	18.64=	15	GLUB UNIF	MV 0 4	
2304	LJAU J 806 901	0.00=	19	18.64=	16	GLUB UNIF	MV 0 4	
2305	LJAU Y 806 901	0.00=	21	18.64=	21	GLUB UNIF	MV 0 4	
2306	LJAU Z 806 901	0.00	13	18.64	14	GLUB UNIF	MV 0 4	
2307	LJAU X 806 901	18.64=	18	18.64=	17	GLUB UNIF	MV 0 4	
2308	LJAU Y 806 901	18.64=	21	18.64=	19	GLUB UNIF	MV 0 4	
2309	LJAU Z 806 901	18.64	14	18.64	13	GLUB UNIF	MV 0 4	
2310	LJAU X 806 901	37.24=	17	18.64=	15	GLUB UNIF	MV 0 4	
2311	LJAU Y 806 901	37.24=	19	18.64=	18	GLUB UNIF	MV 0 4	
2312	LJAU Z 806 901	37.24	13	18.64	13	GLUB UNIF	MV 0 4	
2313	LJAU Y 901 902	0.00=	29	26.41=	29	GLUB UNIF	MV 0 4	
2314	LJAU Z 901 902	0.00=	1	26.41=	1	GLUB UNIF	MV 0 4	
2315	LJAU Y 902 903	0.00=	29	26.41=	29	GLUB UNIF	MV 0 4	
2316	LJAU Z 902 903	0.00=	1	26.41=	1	GLUB UNIF	MV 0 4	
2317	LJAU X 903 905	0.00	13	26.41	13	GLUB UNIF	MV 0 4	
2318	LJAU Y 903 905	0.00=	07	26.41=	08	GLUB UNIF	MV 0 4	
2319	LJAU Z 903 905	0.00=	1	26.41=	1	GLUB UNIF	MV 0 4	
2320	LJAU X 905 906	0.00	13	26.41	12	GLUB UNIF	MV 0 4	
2321	LJAU Y 905 906	0.00=	07	26.41=	07	GLUB UNIF	MV 0 4	
2322	LJAU Z 905 906	0.00=	1	26.41=	1	GLUB UNIF	MV 0 4	
2323	LJAU X 901 904	0.00=	13	26.41=	13	GLUB UNIF	MV 0 4	
2324	LJAU Y 901 904	0.00=	07	26.41=	06	GLUB UNIF	MV 0 4	
2325	LJAU Z 901 904	0.00=	1	26.41=	1	GLUB UNIF	MV 0 4	
2326	LJAU X 904 906	0.00=	13	26.41=	12	GLUB UNIF	MV 0 4	
2327	LJAU Y 904 906	0.00=	07	26.41=	07	GLUB UNIF	MV 0 4	
2328	LJAU Z 904 906	0.00=	1	26.41=	1	GLUB UNIF	MV 0 4	
2329	LJAU X 902 904	0.00	11	26.41	10	GLUB UNIF	MV 0 4	
2330	LJAU Y 902 904	0.00=	06	26.41=	06	GLUB UNIF	MV 0 4	
2331	LJAU Z 902 904	0.00=	02	26.41=	02	GLUB UNIF	MV 0 4	
2332	LJAU X 902 905	0.00=	11	26.41=	10	GLUB UNIF	MV 0 4	
2333	LJAU Y 902 905	0.00=	06	26.41=	06	GLUB UNIF	MV 0 4	
2334	LJAU Z 902 905	0.00=	02	26.41=	02	GLUB UNIF	MV 0 4	
2335	LJAU X 904 905	0.00=	24	26.40=	24	GLUB UNIF	MV 0 4	
2336	LJAU Y 904 905	0.00=	02	26.40=	02	GLUB UNIF	MV 0 4	
2337	LJAU Z 904 905	0.00	02	12.61	02	GLUB UNIF	MV 0 4	
2338	LJAU X 9011002	0.00=	53	12.61=	31	GLUB UNIF	MV 0 4	
2339	LJAU Y 9011002	0.00	1	12.61	1	GLUB UNIF	MV 0 4	
2340	LJAU Z 9011002	0.00	02	12.61	02	GLUB UNIF	MV 0 4	
2341	LJAU X 9011002	12.61=	31	12.61=	27	GLUB UNIF	MV 0 4	
2342	LJAU Y 9011002	12.61	1	12.61	1	GLUB UNIF	MV 0 4	

SEALOAD=2

LINE_NO	1	2	3	4	5	6	7	8
2343	LJAU A	9011002	25.22	1	12.61	GLUB UNIF	MV 0 4	
2344	LJAU Y	9011002	25.22	27	12.61	GLUB UNIF	MV 0 4	
2345	LJAU Z	9011002	25.22	1	12.61	GLUB UNIF	MV 0 4	
2346	LJAU X	9031002	0.00	02	12.61	GLUB UNIF	MV 0 4	
2347	LJAU Y	9031002	0.00	33	12.61	GLUB UNIF	MV 0 4	
2348	LJAU Z	9031002	0.00	1	12.61	GLUB UNIF	MV 0 4	
2349	LJAU X	9031002	12.61	02	12.61	GLUB UNIF	MV 0 4	
2350	LJAU Y	9031002	12.61	31	12.61	GLUB UNIF	MV 0 4	
2351	LJAU Z	9031002	12.61	1	12.61	GLUB UNIF	MV 0 4	
2352	LJAU X	9031002	25.22	1	12.61	GLUB UNIF	MV 0 4	
2353	LJAU Y	9031002	25.22	27	12.61	GLUB UNIF	MV 0 4	
2354	LJAU Z	9031002	25.22	1	12.61	GLUB UNIF	MV 0 4	
2355	LJAU X	9031005	0.00	06	12.61	GLUB UNIF	MV 0 4	
2356	LJAU Y	9031005	0.00	21	12.61	GLUB UNIF	MV 0 4	
2357	LJAU Z	9031005	0.00	16	12.61	GLUB UNIF	MV 0 4	
2358	LJAU X	9031005	12.61	06	12.61	GLUB UNIF	MV 0 4	
2359	LJAU Y	9031005	12.61	19	12.61	GLUB UNIF	MV 0 4	
2360	LJAU Z	9031005	12.61	15	12.61	GLUB UNIF	MV 0 4	
2361	LJAU X	9031005	25.23	05	12.61	GLUB UNIF	MV 0 4	
2362	LJAU Y	9031005	25.23	16	12.61	GLUB UNIF	MV 0 4	
2363	LJAU Z	9031005	25.23	13	12.61	GLUB UNIF	MV 0 4	
2364	LJAU X	9061005	0.00	06	12.61	GLUB UNIF	MV 0 4	
2365	LJAU Y	9061005	0.00	20	12.61	GLUB UNIF	MV 0 4	
2366	LJAU Z	9061005	12.61	12	12.61	GLUB UNIF	MV 0 4	
2367	LJAU X	9061005	12.61	07	12.61	GLUB UNIF	MV 0 4	
2368	LJAU Y	9061005	12.61	19	12.61	GLUB UNIF	MV 0 4	
2369	LJAU Z	9061005	12.61	12	12.61	GLUB UNIF	MV 0 4	
2370	LJAU X	9061005	25.22	06	12.61	GLUB UNIF	MV 0 4	
2371	LJAU Y	9061005	25.22	17	12.61	GLUB UNIF	MV 0 4	
2372	LJAU Z	9061005	25.22	10	12.61	GLUB UNIF	MV 0 4	
2373	LJAU X	9011004	0.00	06	12.61	GLUB UNIF	MV 0 4	
2374	LJAU Y	9011004	0.00	21	12.61	GLUB UNIF	MV 0 4	
2375	LJAU Z	9011004	0.00	16	12.61	GLUB UNIF	MV 0 4	
2376	LJAU X	9011004	12.61	06	12.61	GLUB UNIF	MV 0 4	
2377	LJAU Y	9011004	12.61	14	12.61	GLUB UNIF	MV 0 4	
2378	LJAU Z	9011004	12.61	15	12.61	GLUB UNIF	MV 0 4	
2379	LJAU X	9011004	25.23	05	12.61	GLUB UNIF	MV 0 4	
2380	LJAU Y	9011004	25.23	16	12.61	GLUB UNIF	MV 0 4	
2381	LJAU Z	9011004	25.23	13	12.61	GLUB UNIF	MV 0 4	
2382	LJAU X	9061004	0.00	06	12.61	GLUB UNIF	MV 0 4	
2383	LJAU Y	9061004	0.00	20	12.61	GLUB UNIF	MV 0 4	
2384	LJAU Z	9061004	0.00	12	12.61	GLUB UNIF	MV 0 4	
2385	LJAU X	9061004	12.61	07	12.61	GLUB UNIF	MV 0 4	
2386	LJAU Y	9061004	12.61	19	12.61	GLUB UNIF	MV 0 4	
2387	LJAU Z	9061004	12.61	12	12.61	GLUB UNIF	MV 0 4	
2388	LJAU X	9061004	25.22	06	12.61	GLUB UNIF	MV 0 4	
2389	LJAU Y	9061004	25.22	17	12.61	GLUB UNIF	MV 0 4	
2390	LJAU Z	9061004	25.22	10	12.61	GLUB UNIF	MV 0 4	
2391	LJAU X	10011002	0.00	05	50.51	GLUB UNIF	MV 0 4	
2392	LJAU Y	10021003	0.00	05	50.51	GLUB UNIF	MV 0 4	



SEALOAD=2

LINE NO. 1 2 3 4 5 6 7 8

2393	LUAD X 10031005	0.00	02	10.10	02	GLUB UNIF	MV 0 4
2394	LUAD Y 10031005	0.00	1	10.10	1	GLUB UNIF	MV 0 4
2395	LUAD X 10031005	10.10	02	10.10	02	GLUB UNIF	MV 0 4
2396	LUAD Y 10031005	10.10	1	10.10	1	GLUB UNIF	MV 0 4
2397	LUAD X 10031005	20.21	02	10.10	1	GLUB UNIF	MV 0 4
2398	LUAD Y 10031005	20.21	1	10.10	1	GLUB UNIF	MV 0 4
2399	LUAD X 10031006	0.00	1	10.10	1	GLUB UNIF	MV 0 4
2400	LUAD Y 10031006	0.00	1	10.10	1	GLUB UNIF	MV 0 4
2401	LUAD X 10031005	10.10	1	10.10	1	GLUB UNIF	MV 0 4
2402	LUAD Y 10031004	0.00	02	10.10	02	GLUB UNIF	MV 0 4
2403	LUAD X 10011004	0.00	1	10.10	1	GLUB UNIF	MV 0 4
2404	LUAD Y 10011004	10.10	02	10.10	02	GLUB UNIF	MV 0 4
2405	LUAD X 10011004	10.10	1	10.10	1	GLUB UNIF	MV 0 4
2406	LUAD Y 10011004	10.10	02	10.10	1	GLUB UNIF	MV 0 4
2407	LUAD X 10011004	20.21	1	10.10	1	GLUB UNIF	MV 0 4
2408	LUAD Y 10011004	20.21	1	10.10	1	GLUB UNIF	MV 0 4
2409	LUAD X 10041006	0.00	1	10.10	1	GLUB UNIF	MV 0 4
2410	LUAD Y 10041006	0.00	1	10.10	1	GLUB UNIF	MV 0 4
2411	LUAD X 10041005	10.10	1	10.10	1	GLUB UNIF	MV 0 4
2412	LUAD Y 10021004	0.00	1	10.10	1	GLUB UNIF	MV 0 4
2413	LUAD X 10021004	10.10	1	10.10	1	GLUB UNIF	MV 0 4
2414	LUAD Y 10021004	10.10	1	10.10	1	GLUB UNIF	MV 0 4
2415	LUAD X 10021004	20.21	1	10.10	1	GLUB UNIF	MV 0 4
2416	LUAD Y 10021004	20.21	1	10.10	1	GLUB UNIF	MV 0 4
2417	LUAD X 10021005	0.00	1	10.10	1	GLUB UNIF	MV 0 4
2418	LUAD Y 10021005	0.00	1	10.10	1	GLUB UNIF	MV 0 4
2419	LUAD X 10021005	10.10	1	10.10	1	GLUB UNIF	MV 0 4
2420	LUAD Y 10021005	10.10	1	10.10	1	GLUB UNIF	MV 0 4
2421	LUAD X 10021005	20.21	1	10.10	1	GLUB UNIF	MV 0 4
2422	LUAD Y 10021005	20.21	1	10.10	1	GLUB UNIF	MV 0 4
2423	LUAD X 10041005	0.00	02	30.30	02	GLUB UNIF	MV 0 4
2424	LUAD Y 201 301	10.96	91	1.35	139	GLUB UNIF	MV 0 4
2425	LUAD X 201 301	12.31	139	1.35	168	GLUB UNIF	MV 0 4
2426	LUAD Y 201 301	13.65	168	1.35	176	GLUB UNIF	MV 0 4
2427	LUAD X 203 303	10.96	91	1.35	139	GLUB UNIF	MV 0 4
2428	LUAD Y 203 303	12.31	139	1.35	168	GLUB UNIF	MV 0 4
2429	LUAD X 203 303	13.65	168	1.35	176	GLUB UNIF	MV 0 4
2430	LUAD Y 206 306	7.62	41	2.39	69	GLUB UNIF	MV 0 4
2431	LUAD X 206 306	10.21	69	2.39	136	GLUB UNIF	MV 0 4
2432	LUAD Y 206 306	12.61	136	2.39	160	GLUB UNIF	MV 0 4
2433	LUAD X 301 401	0.00	176	14.25	225	GLUB UNIF	MV 0 4
2434	LUAD Y 301 401	14.25	225	14.25	151	GLUB UNIF	MV 0 4
2435	LUAD X 303 403	0.00	176	14.25	225	GLUB UNIF	MV 0 4
2436	LUAD Y 303 403	14.25	225	14.25	151	GLUB UNIF	MV 0 4
2437	LUAD X 306 406	0.00	160	9.50	214	GLUB UNIF	MV 0 4
2438	LUAD Y 306 406	9.50	214	9.50	193	GLUB UNIF	MV 0 4
2439	LUAD X 401 501	19.00	193	4.56	133	GLUB UNIF	MV 0 4
2440	LUAD Y 401 501	0.00	13	4.56	12	GLUB UNIF	MV 0 4
2441	LUAD X 401 501	0.00	246	4.56	228	GLUB UNIF	MV 0 4
2442	LUAD Y 401 501	0.00	19	4.56	17	GLUB UNIF	MV 0 4

SEALOAD=2

LINE	NO.	1	2	3	4	5	6	7	8
2443	LUAD A	403 503	0.00	13	4.56	12	GL08 UNIF	MV 0 4	
2444	LUAD Y	403 503	0.00	248	4.56	228	GL08 UNIF	MV 0 4	
2445	LUAD Z	403 503	0.00	19	4.56	17	GL08 UNIF	MV 0 4	
2446	LUAD X	406 506	0.00	213	4.56	193	GL08 UNIF	MV 0 4	
2447	LUAD Z	406 506	0.00	35	4.56	32	GL08 UNIF	MV 0 4	
2448	LUAD A	501 601	0.00	12	3.04	12	GL08 UNIF	MV 0 4	
2449	LUAD Y	501 601	0.00	228	3.04	214	GL08 UNIF	MV 0 4	
2450	LUAD Z	501 601	0.00	17	3.04	16	GL08 UNIF	MV 0 4	
2451	LUAD X	501 601	3.04	12	3.04	11	GL08 UNIF	MV 0 4	
2452	LUAD Y	501 601	3.04	214	3.04	201	GL08 UNIF	MV 0 4	
2453	LUAD Z	501 601	3.04	16	3.04	15	GL08 UNIF	MV 0 4	
2454	LUAD A	503 603	0.00	12	3.04	12	GL08 UNIF	MV 0 4	
2455	LUAD Y	503 603	0.00	228	3.04	214	GL08 UNIF	MV 0 4	
2456	LUAD Z	503 603	0.00	17	3.04	16	GL08 UNIF	MV 0 4	
2457	LUAD X	503 603	3.04	12	3.04	11	GL08 UNIF	MV 0 4	
2458	LUAD Y	503 603	3.04	214	3.04	201	GL08 UNIF	MV 0 4	
2459	LUAD Z	503 603	3.04	16	3.04	15	GL08 UNIF	MV 0 4	
2460	LUAD A	506 606	0.00	193	3.04	180	GL08 UNIF	MV 0 4	
2461	LUAD Y	506 606	0.00	32	3.04	30	GL08 UNIF	MV 0 4	
2462	LUAD Z	506 606	3.04	180	3.04	169	GL08 UNIF	MV 0 4	
2463	LUAD X	506 606	3.04	30	3.04	26	GL08 UNIF	MV 0 4	
2464	LUAD Y	601 641	0.00	11	6.08	10	GL08 UNIF	MV 0 4	
2465	LUAD Z	601 641	0.00	201	6.08	181	GL08 UNIF	MV 0 4	
2466	LUAD X	603 643	0.00	15	6.08	14	GL08 UNIF	MV 0 4	
2467	LUAD Y	603 643	0.00	11	6.08	10	GL08 UNIF	MV 0 4	
2468	LUAD Z	603 643	0.00	201	6.08	181	GL08 UNIF	MV 0 4	
2469	LUAD X	603 643	0.00	15	6.08	14	GL08 UNIF	MV 0 4	
2470	LUAD Y	606 646	0.00	169	6.08	150	GL08 UNIF	MV 0 4	
2471	LUAD Z	606 646	0.00	28	6.08	25	GL08 UNIF	MV 0 4	
2472	LUAD X	641 651	0.00	21	6.08	19	GL08 UNIF	MV 0 4	
2473	LUAD Y	641 651	0.00	278	6.08	250	GL08 UNIF	MV 0 4	
2474	LUAD Z	641 651	0.00	20	6.08	18	GL08 UNIF	MV 0 4	
2475	LUAD X	643 653	0.00	21	6.08	19	GL08 UNIF	MV 0 4	
2476	LUAD Y	643 653	0.00	278	6.08	250	GL08 UNIF	MV 0 4	
2477	LUAD Z	643 653	0.00	20	6.08	18	GL08 UNIF	MV 0 4	
2478	LUAD X	646 656	0.00	35	6.08	31	GL08 UNIF	MV 0 4	
2479	LUAD Y	651 701	0.00	19	3.55	18	GL08 UNIF	MV 0 4	
2480	LUAD Z	651 701	0.00	251	3.55	230	GL08 UNIF	MV 0 4	
2481	LUAD X	651 701	0.00	18	3.55	17	GL08 UNIF	MV 0 4	
2482	LUAD Y	651 701	3.55	18	3.55	17	GL08 UNIF	MV 0 4	
2483	LUAD Z	651 701	3.55	250	3.55	222	GL08 UNIF	MV 0 4	
2484	LUAD X	653 703	0.00	14	3.55	16	GL08 UNIF	MV 0 4	
2485	LUAD Y	653 703	0.00	251	3.55	236	GL08 UNIF	MV 0 4	
2486	LUAD Z	653 703	0.00	18	3.55	17	GL08 UNIF	MV 0 4	
2487	LUAD X	653 703	3.55	18	3.55	17	GL08 UNIF	MV 0 4	
2488	LUAD Y	653 703	3.55	236	3.55	222	GL08 UNIF	MV 0 4	
2489	LUAD Z	653 703	3.55	17	3.55	16	GL08 UNIF	MV 0 4	
2490	LUAD X	656 706	0.00	147	3.55	175	GL08 UNIF	MV 0 4	

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
2493	LUAD Z 654 706	0.00=	31	3.55=	29	GL0B UNIF	MV 0 4	
2494	LUAD Y 656 706	3.55=	175	3.55=	162	GL0B UNIF	MV 0 4	
2495	LUAD Z 654 706	3.55=	29	3.55=	27	GL0B UNIF	MV 0 4	
2496	LUAD X 701 801	0.00=	15	6.79=	13	GL0B UNIF	MV 0 4	
2497	LUAD Y 701 801	0.00=	209	6.79=	193	GL0B UNIF	MV 0 4	
2498	LUAD Z 701 801	0.00=	15	6.79=	13	GL0B UNIF	MV 0 4	
2499	LUAD A 701 801	6.79=	13	6.79=	11	GL0B UNIF	MV 0 4	
2500	LUAD Y 701 801	6.79=	143	6.79=	143	GL0B UNIF	MV 0 4	
2501	LUAD Z 701 801	6.79=	13	6.79=	12	GL0B UNIF	MV 0 4	
2502	LUAD A 701 801	17.57=	11	6.79=	10	GL0B UNIF	MV 0 4	
2503	LUAD Y 701 801	17.57=	143	6.79=	146	GL0B UNIF	MV 0 4	
2504	LUAD Z 701 801	17.57=	12	6.79=	11	GL0B UNIF	MV 0 4	
2505	LUAD X 703 803	0.00=	15	6.79=	13	GL0B UNIF	MV 0 4	
2506	LUAD Y 703 803	0.00=	209	6.79=	193	GL0B UNIF	MV 0 4	
2507	LUAD Z 703 803	0.00=	15	6.79=	13	GL0B UNIF	MV 0 4	
2508	LUAD A 703 803	6.79=	13	6.79=	11	GL0B UNIF	MV 0 4	
2509	LUAD Y 703 803	6.79=	143	6.79=	143	GL0B UNIF	MV 0 4	
2510	LUAD Z 703 803	6.79=	13	6.79=	12	GL0B UNIF	MV 0 4	
2511	LUAD X 703 803	17.57=	11	6.79=	10	GL0B UNIF	MV 0 4	
2512	LUAD Y 703 803	17.57=	146	6.79=	146	GL0B UNIF	MV 0 4	
2513	LUAD Z 703 803	17.57=	12	6.79=	11	GL0B UNIF	MV 0 4	
2514	LUAD Y 706 806	0.00=	157	6.79=	133	GL0B UNIF	MV 0 4	
2515	LUAD Z 706 806	0.00=	26	6.79=	22	GL0B UNIF	MV 0 4	
2516	LUAD Y 706 806	6.79=	133	6.79=	114	GL0B UNIF	MV 0 4	
2517	LUAD Z 706 806	6.79=	22	6.79=	19	GL0B UNIF	MV 0 4	
2518	LUAD Y 706 806	17.57=	114	6.79=	96	GL0B UNIF	MV 0 4	
2519	LUAD Z 706 806	17.57=	19	6.79=	16	GL0B UNIF	MV 0 4	
2520	LUAD A 801 901	0.00=	10	9.12=	06	GL0B UNIF	MV 0 4	
2521	LUAD Y 801 901	0.00=	146	9.12=	132	GL0B UNIF	MV 0 4	
2522	LUAD Z 801 901	0.00=	11	9.12=	10	GL0B UNIF	MV 0 4	
2523	LUAD X 801 901	9.12=	08	9.12=	07	GL0B UNIF	MV 0 4	
2524	LUAD Y 801 901	9.12=	132	9.12=	121	GL0B UNIF	MV 0 4	
2525	LUAD Z 801 901	9.12=	10	9.12=	09	GL0B UNIF	MV 0 4	
2526	LUAD A 801 901	16.25=	07	9.12=	05	GL0B UNIF	MV 0 4	
2527	LUAD Y 801 901	16.25=	121	9.12=	112	GL0B UNIF	MV 0 4	
2528	LUAD Z 801 901	16.25=	09	9.12=	09	GL0B UNIF	MV 0 4	
2529	LUAD X 803 903	0.00=	10	9.12=	08	GL0B UNIF	MV 0 4	
2530	LUAD Y 803 903	0.00=	146	9.12=	132	GL0B UNIF	MV 0 4	
2531	LUAD Z 803 903	0.00=	11	9.12=	10	GL0B UNIF	MV 0 4	
2532	LUAD A 803 903	9.12=	06	9.12=	07	GL0B UNIF	MV 0 4	
2533	LUAD Y 803 903	9.12=	132	9.12=	121	GL0B UNIF	MV 0 4	
2534	LUAD Z 803 903	9.12=	10	9.12=	09	GL0B UNIF	MV 0 4	
2535	LUAD X 803 903	16.25=	07	9.12=	05	GL0B UNIF	MV 0 4	
2536	LUAD Y 803 903	16.25=	121	9.12=	112	GL0B UNIF	MV 0 4	
2537	LUAD Z 803 903	16.25=	09	9.12=	09	GL0B UNIF	MV 0 4	
2538	LUAD A 806 906	0.00=	98	13.69=	78	GL0B UNIF	MV 0 4	
2539	LUAD Y 806 906	0.00=	16	13.69=	13	GL0B UNIF	MV 0 4	
2540	LUAD Z 806 906	13.69=	78	13.69=	63	GL0B UNIF	MV 0 4	
2541	LUAD X 806 906	13.69=	13	13.69=	11	GL0B UNIF	MV 0 4	
2542	LUAD Y 806 906	0.00=	05	9.12=	04	GL0B UNIF	MV 0 4	

SEALOAD-2

LIVE NO.	1	2	3	4	5	6	7	8
2543	LJAU Y 9011001	0.00	112	9.12	106	GLUB UNIF	MV 0 4	
2544	LJAU Z 9011001	0.00	09	9.12	06	GLUB UNIF	MV 0 4	
2545	LJAU X 9011001	9.12	04	9.12	02	GLUB UNIF	MV 0 4	
2546	LJAU Y 9011001	9.12	108	9.12	95	GLUB UNIF	MV 0 4	
2547	LJAU Z 9011001	9.12	08	9.12	06	GLUB UNIF	MV 0 4	
2548	LJAU X 9011001	18.25	02	9.12		GLUB UNIF	MV 0 4	
2549	LJAU Y 9011001	18.25	95	9.12	36	GLUB UNIF	MV 0 4	
2550	LJAU Z 9011001	18.25	08	9.12	03	GLUB UNIF	MV 0 4	
2551	LJAU X 9011001	0.00	95	9.12	04	GLUB UNIF	MV 0 4	
2552	LJAU Y 9011003	0.00	112	9.12	106	GLUB UNIF	MV 0 4	
2553	LJAU Z 9011003	0.00	09	9.12	06	GLUB UNIF	MV 0 4	
2554	LJAU X 9011003	9.12	04	9.12	02	GLUB UNIF	MV 0 4	
2555	LJAU Y 9011003	9.12	108	9.12	95	GLUB UNIF	MV 0 4	
2556	LJAU Z 9011003	9.12	08	9.12	06	GLUB UNIF	MV 0 4	
2557	LJAU X 9011003	18.25	02	9.12		GLUB UNIF	MV 0 4	
2558	LJAU Y 9011003	18.25	95	9.12	36	GLUB UNIF	MV 0 4	
2559	LJAU Z 9011003	18.25	08	9.12	03	GLUB UNIF	MV 0 4	
2560	LJAU X 9061006	0.00	63	9.12	55	GLUB UNIF	MV 0 4	
2561	LJAU Y 9061006	0.00	11	9.12	09	GLUB UNIF	MV 0 4	
2562	LJAU Z 9061006	9.12	55	9.12	41	GLUB UNIF	MV 0 4	
2563	LJAU X 9061006	9.12	09	9.12	07	GLUB UNIF	MV 0 4	
2564	LJAU Y 9061006	18.25	41	5.92		GLUB UNIF	MV 0 4	
2565	LJAU Z 9061006	24.17		3.20	22	GLUB UNIF	MV 0 4	
2566	LJAU X 9061005	18.25	07	5.91		GLUB UNIF	MV 0 4	
2567	LJAU Y 9061005	24.16		3.22	04	GLUB UNIF	MV 0 4	
2568	LJAU Z 9061005					GLUB UNIF	MV 0 4	
2569	LJAU X 101 102	0.00	055	14.50	055	GLUB UNIF	DL 0 5	
2570	LJAU Y 102 103	0.00	055	14.50	055	GLUB UNIF	DL 0 5	
2571	LJAU Z 103 105	0.00	055	14.49	055	GLUB UNIF	DL 0 5	
2572	LJAU X 105 109	0.00	055	14.50	055	GLUB UNIF	DL 0 5	
2573	LJAU Y 101 104	0.00	055	14.49	055	GLUB UNIF	DL 0 5	
2574	LJAU Z 104 108	0.00	055	14.50	055	GLUB UNIF	DL 0 5	
2575	LJAU X 102 104	0.00	024	14.49	024	GLUB UNIF	DL 0 5	
2576	LJAU Y 102 105	0.00	024	14.49	024	GLUB UNIF	DL 0 5	
2577	LJAU Z 104 105	0.00	024	14.50	024	GLUB UNIF	DL 0 5	
2578	LJAU X 106 201	0.00	065	14.50	065	GLUB UNIF	DL 0 5	
2579	LJAU Y 201 202	0.00	055	14.50	055	GLUB UNIF	DL 0 5	
2580	LJAU Z 202 203	0.00	055	14.50	055	GLUB UNIF	DL 0 5	
2581	LJAU X 203 205	0.00	073	14.49	073	GLUB UNIF	DL 0 5	
2582	LJAU Y 205 205	0.00	073	14.50	073	GLUB UNIF	DL 0 5	
2583	LJAU Z 201 204	0.00	055	14.49	055	GLUB UNIF	DL 0 5	
2584	LJAU X 204 206	0.00	055	14.50	055	GLUB UNIF	DL 0 5	
2585	LJAU Y 202 204	0.00	024	14.49	024	GLUB UNIF	DL 0 5	
2586	LJAU Z 202 205	0.00	024	14.49	024	GLUB UNIF	DL 0 5	
2587	LJAU X 204 205	0.00	024	14.50	024	GLUB UNIF	DL 0 5	
2588	LJAU Y 201 303	0.00	046	28.73	046	GLUB UNIF	DL 0 5	
2589	LJAU Z 201 303	28.73	039	3.92	039	GLUB UNIF	DL 0 5	
2590	LJAU X 203 306	0.00	096	28.73	096	GLUB UNIF	DL 0 5	
2591	LJAU Y 203 306	28.73	039	3.92	039	GLUB UNIF	DL 0 5	
2592	LJAU Z 206 301	0.00	066	28.73	066	GLUB UNIF	DL 0 5	

BEALDAD=2

LINE NO.	1	2	3	4	5	6	7	8
2593	LUAD Z 206 301	26.73	-.034	3.42	-.034	GLUB UNIF	DL 0 5	
2594	LUAD Z 301 403	0.00	-.009	40.66	-.009	GLUB UNIF	DL 0 5	
2595	LUAD Z 301 503	0.00	-.004	29.00	-.004	GLUB UNIF	DL 0 5	
2596	LUAD Z 303 306	0.00	-.004	29.00	-.004	GLUB UNIF	DL 0 5	
2597	LUAD Z 301 306	0.00	-.004	29.00	-.004	GLUB UNIF	DL 0 5	
2598	LUAD Z 501 502	0.00	-.013	15.15	-.013	GLUB UNIF	DL 0 5	
2599	LUAD Z 502 503	0.00	-.013	15.15	-.013	GLUB UNIF	DL 0 5	
2600	LUAD Z 503 505	0.00	-.013	15.15	-.013	GLUB UNIF	DL 0 5	
2601	LUAD Z 505 506	0.00	-.013	15.15	-.013	GLUB UNIF	DL 0 5	
2602	LUAD Z 501 504	0.00	-.013	15.15	-.013	GLUB UNIF	DL 0 5	
2603	LUAD Z 504 506	0.00	-.013	15.15	-.013	GLUB UNIF	DL 0 5	
2604	LUAD Z 502 504	0.00	-.009	15.15	-.009	GLUB UNIF	DL 0 5	
2605	LUAD Z 502 505	0.00	-.004	15.15	-.004	GLUB UNIF	DL 0 5	
2606	LUAD Z 504 505	0.00	-.004	15.14	-.004	GLUB UNIF	DL 0 5	
2607	LUAD Z 501 507	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2608	LUAD Z 507 510	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2609	LUAD Z 503 508	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2610	LUAD Z 508 511	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2611	LUAD Z 506 509	0.00	-.148	2.01	-.148	GLUB UNIF	DL 0 5	
2612	LUAD Z 509 512	0.00	-.148	2.01	-.148	GLUB UNIF	DL 0 5	
2613	LUAD Z 501 513	0.00	-.004	3.00	-.004	GLUB UNIF	DL 0 5	
2614	LUAD Z 503 514	0.00	-.004	3.00	-.004	GLUB UNIF	DL 0 5	
2615	LUAD Z 513 651	0.00	.020	18.00	.020	GLUB UNIF	DL 0 5	
2616	LUAD Z 514 653	0.00	.020	18.00	.020	GLUB UNIF	DL 0 5	
2617	LUAD Z 601 611	0.00	-.049	6.00	-.049	GLUB UNIF	DL 0 5	
2618	LUAD Z 603 613	0.00	-.049	6.00	-.049	GLUB UNIF	DL 0 5	
2619	LUAD Z 651 661	0.00	-.049	5.00	-.049	GLUB UNIF	DL 0 5	
2620	LUAD Z 653 663	0.00	-.049	5.00	-.049	GLUB UNIF	DL 0 5	
2621	LUAD Z 611 612	0.00	-.017	16.01	-.017	GLUB UNIF	DL 0 5	
2622	LUAD Z 612 613	0.00	-.017	16.01	-.017	GLUB UNIF	DL 0 5	
2623	LUAD Z 601 602	0.00	-.017	17.75	-.017	GLUB UNIF	DL 0 5	
2624	LUAD Z 602 603	0.00	-.017	17.75	-.017	GLUB UNIF	DL 0 5	
2625	LUAD Z 611 601	0.00	-.049	12.13	-.049	GLUB UNIF	DL 0 5	
2626	LUAD Z 612 602	0.00	-.049	12.00	-.049	GLUB UNIF	DL 0 5	
2627	LUAD Z 613 603	0.00	-.049	12.13	-.049	GLUB UNIF	DL 0 5	
2628	LUAD Z 501 642	0.00	.010	20.25	.010	GLUB UNIF	DL 0 5	
2629	LUAD Z 503 645	0.00	.010	20.25	.010	GLUB UNIF	DL 0 5	
2630	LUAD Z 506 644	0.00	.010	20.24	.010	GLUB UNIF	DL 0 5	
2631	LUAD Z 642 703	0.00	.010	21.93	.010	GLUB UNIF	DL 0 5	
2632	LUAD Z 645 705	0.00	.010	21.93	.010	GLUB UNIF	DL 0 5	
2633	LUAD Z 644 701	0.00	.010	21.94	.010	GLUB UNIF	DL 0 5	
2634	LUAD Z 701 702	0.00	.007	18.76	.007	GLUB UNIF	DL 0 5	
2635	LUAD Z 702 703	0.00	.007	18.76	.007	GLUB UNIF	DL 0 5	
2636	LUAD Z 703 705	0.00	.007	18.76	.007	GLUB UNIF	DL 0 5	
2637	LUAD Z 705 705	0.00	.007	18.75	.007	GLUB UNIF	DL 0 5	
2638	LUAD Z 701 704	0.00	.007	18.76	.007	GLUB UNIF	DL 0 5	
2639	LUAD Z 704 706	0.00	.007	18.75	.007	GLUB UNIF	DL 0 5	
2640	LUAD Z 701 707	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2641	LUAD Z 707 710	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2642	LUAD Z 703 708	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	

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LINE NO.	1	2	3	4	5	6	7	8
2643	LUAU Z 709 711	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2644	LUAU Z 709 709	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2645	LUAU Z 709 712	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2646	LUAU Z 701 808	0.00	.010	48.82	.010	GLUB UNIF	DL 0 5	
2647	LUAU Z 703 801	0.00	.010	48.83	.010	GLUB UNIF	DL 0 5	
2648	LUAU Z 708 803	0.00	.010	48.83	.010	GLUB UNIF	DL 0 5	
2649	LUAU Z 801 802	0.00	.007	22.51	.007	GLUB UNIF	DL 0 5	
2650	LUAU Z 802 803	0.00	.007	22.51	.007	GLUB UNIF	DL 0 5	
2651	LUAU Z 803 805	0.00	.007	22.51	.007	GLUB UNIF	DL 0 5	
2652	LUAU Z 803 806	0.00	.007	22.51	.007	GLUB UNIF	DL 0 5	
2653	LUAU Z 801 804	0.00	.007	22.51	.007	GLUB UNIF	DL 0 5	
2654	LUAU Z 804 806	0.00	.007	22.51	.007	GLUB UNIF	DL 0 5	
2655	LUAU Z 801 807	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2656	LUAU Z 807 810	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2657	LUAU Z 803 808	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2658	LUAU Z 808 811	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2659	LUAU Z 808 809	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2660	LUAU Z 809 812	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2661	LUAU Z 801 903	0.00	.010	55.92	.010	GLUB UNIF	DL 0 5	
2662	LUAU Z 803 906	0.00	.010	55.92	.010	GLUB UNIF	DL 0 5	
2663	LUAU Z 808 901	0.00	.010	55.92	.010	GLUB UNIF	DL 0 5	
2664	LUAU Z 901 902	0.00	.004	26.41	.004	GLUB UNIF	DL 0 5	
2665	LUAU Z 902 903	0.00	.004	26.41	.004	GLUB UNIF	DL 0 5	
2666	LUAU Z 903 905	0.00	.004	26.41	.004	GLUB UNIF	DL 0 5	
2667	LUAU Z 905 906	0.00	.004	26.41	.004	GLUB UNIF	DL 0 5	
2668	LUAU Z 901 904	0.00	.004	26.41	.004	GLUB UNIF	DL 0 5	
2669	LUAU Z 904 905	0.00	.004	26.41	.004	GLUB UNIF	DL 0 5	
2670	LUAU Z 901 907	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2671	LUAU Z 907 910	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2672	LUAU Z 903 908	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2673	LUAU Z 908 911	0.00	-.148	2.00	-.148	GLUB UNIF	DL 0 5	
2674	LUAU Z 908 909	0.00	-.148	2.20	-.148	GLUB UNIF	DL 0 5	
2675	LUAU Z 909 912	0.00	-.148	2.20	-.148	GLUB UNIF	DL 0 5	
2676	LUAU Z 9011002	0.00	.013	37.84	.013	GLUB UNIF	DL 0 5	
2677	LUAU Z 9031002	0.00	.013	37.84	.013	GLUB UNIF	DL 0 5	
2678	LUAU Z 9031005	0.00	.013	37.84	.013	GLUB UNIF	DL 0 5	
2679	LUAU Z 9081005	0.00	.013	37.83	.013	GLUB UNIF	DL 0 5	
2680	LUAU Z 9011004	0.00	.013	37.84	.013	GLUB UNIF	DL 0 5	
2681	LUAU Z 9081004	0.00	.013	37.83	.013	GLUB UNIF	DL 0 5	
2682	LUAU Z 10011002	0.00	.010	30.51	.010	GLUB UNIF	DL 0 5	
2683	LUAU Z 10021003	0.00	.010	30.51	.010	GLUB UNIF	DL 0 5	
2684	LUAU Z 10031005	0.00	.010	30.51	.010	GLUB UNIF	DL 0 5	
2685	LUAU Z 10051006	0.00	.010	30.50	.010	GLUB UNIF	DL 0 5	
2686	LUAU Z 10011004	0.00	.010	30.51	.010	GLUB UNIF	DL 0 5	
2687	LUAU Z 10041008	0.00	.010	30.50	.010	GLUB UNIF	DL 0 5	
2688	LUAU Z 10021004	0.00	.014	30.51	.014	GLUB UNIF	DL 0 5	
2689	LUAU Z 10021005	0.00	.014	30.51	.014	GLUB UNIF	DL 0 5	
2690	LUAU Z 10041005	0.00	.014	30.50	.014	GLUB UNIF	DL 0 5	
2691	LUAU Z 10011007	0.00	-.148	1.99	-.148	GLUB UNIF	DL 0 5	
2692	LUAU Z 10071010	0.00	-.148	1.99	-.148	GLUB UNIF	DL 0 5	

SEALOAD=2

LINE NO.	1	2	3	4	5	6	7	8
2693	LUAD Z 10031004	0.00	-148	1.99	-148	GLUB UNIF	DL 0 5	
2694	LUAD Z 10081011	0.00	-148	1.99	-148	GLUB UNIF	DL 0 5	
2695	LUAD Z 10041009	0.00	-148	2.01	-148	GLUB UNIF	DL 0 5	
2696	LUAD Z 10091012	0.00	-148	2.01	-148	GLUB UNIF	DL 0 5	
2697	LUAD Z 101 201	0.00	-310	15.00	-310	GLUB UNIF	DL 0 5	
2698	LUAD Z 103 203	0.00	-310	15.00	-310	GLUB UNIF	DL 0 5	
2699	LUAD Z 105 205	0.00	-310	15.00	-310	GLUB UNIF	DL 0 5	
2700	LUAD Z 201 301	0.00	-310	13.20	-310	GLUB UNIF	DL 0 5	
2701	LUAD Z 203 303	15.20	0.04	1.80	0.04	GLUB UNIF	DL 0 5	
2702	LUAD Z 205 305	0.00	-310	15.20	-310	GLUB UNIF	DL 0 5	
2703	LUAD Z 203 303	13.20	0.04	1.80	0.04	GLUB UNIF	DL 0 5	
2704	LUAD Z 205 305	0.00	-310	13.20	-310	GLUB UNIF	DL 0 5	
2705	LUAD Z 206 306	15.20	0.04	1.80	0.04	GLUB UNIF	DL 0 5	
2706	LUAD Z 301 401	0.00	0.04	28.50	0.04	GLUB UNIF	DL 0 5	
2707	LUAD Z 303 403	0.00	0.04	28.50	0.04	GLUB UNIF	DL 0 5	
2708	LUAD Z 306 406	0.00	0.04	28.50	0.04	GLUB UNIF	DL 0 5	
2709	LUAD Z 401 501	0.00	-423	4.56	-423	GLUB UNIF	DL 0 5	
2710	LUAD Z 403 503	0.00	-423	4.56	-423	GLUB UNIF	DL 0 5	
2711	LUAD Z 406 506	0.00	-423	4.56	-423	GLUB UNIF	DL 0 5	
2712	LUAD Z 501 601	0.00	-423	6.08	-423	GLUB UNIF	DL 0 5	
2713	LUAD Z 503 603	0.00	-423	6.08	-423	GLUB UNIF	DL 0 5	
2714	LUAD Z 504 606	0.00	-423	6.08	-423	GLUB UNIF	DL 0 5	
2715	LUAD Z 601 641	0.00	-423	6.08	-423	GLUB UNIF	DL 0 5	
2716	LUAD Z 603 643	0.00	-423	6.08	-423	GLUB UNIF	DL 0 5	
2717	LUAD Z 606 646	0.00	-423	6.08	-423	GLUB UNIF	DL 0 5	
2718	LUAD Z 641 651	0.00	-423	6.08	-423	GLUB UNIF	DL 0 5	
2719	LUAD Z 643 653	0.00	-423	6.08	-423	GLUB UNIF	DL 0 5	
2720	LUAD Z 645 654	0.00	-423	6.08	-423	GLUB UNIF	DL 0 5	
2721	LUAD Z 651 701	0.00	-423	7.10	-423	GLUB UNIF	DL 0 5	
2722	LUAD Z 653 703	0.00	-423	7.10	-423	GLUB UNIF	DL 0 5	
2723	LUAD Z 656 706	0.00	-423	7.10	-423	GLUB UNIF	DL 0 5	
2724	LUAD Z 701 801	0.00	-209	26.35	-209	GLUB UNIF	DL 0 5	
2725	LUAD Z 703 803	0.00	-209	26.35	-209	GLUB UNIF	DL 0 5	
2726	LUAD Z 706 806	0.00	-209	26.35	-209	GLUB UNIF	DL 0 5	
2727	LUAD Z 801 901	0.00	-209	27.37	-209	GLUB UNIF	DL 0 5	
2728	LUAD Z 803 903	0.00	-209	27.37	-209	GLUB UNIF	DL 0 5	
2729	LUAD Z 806 906	0.00	-209	27.37	-209	GLUB UNIF	DL 0 5	
2730	LUAD Z 9011001	0.00	-209	27.37	-209	GLUB UNIF	DL 0 5	
2731	LUAD Z 9031003	0.00	-209	27.37	-209	GLUB UNIF	DL 0 5	
2732	LUAD Z 9061006	0.00	-209	27.37	-209	GLUB UNIF	DL 0 5	
2733	LUAD Z 401 510	0.00	-654	4.55	-654	GLUB UNIF	DL 0 5	
2734	LUAD Z 403 511	0.00	-654	4.55	-654	GLUB UNIF	DL 0 5	
2735	LUAD Z 406 512	0.00	-654	4.55	-654	GLUB UNIF	DL 0 5	
2736	LUAD Z 510 710	0.00	-654	25.34	-654	GLUB UNIF	DL 0 5	
2737	LUAD Z 511 711	0.00	-654	25.34	-654	GLUB UNIF	DL 0 5	
2738	LUAD Z 512 712	0.00	-654	25.35	-654	GLUB UNIF	DL 0 5	
2739	LUAD Z 710 810	0.00	-743	26.36	-743	GLUB UNIF	DL 0 5	
2740	LUAD Z 711 811	0.00	-743	26.36	-743	GLUB UNIF	DL 0 5	
2741	LUAD Z 712 812	0.00	-743	26.36	-743	GLUB UNIF	DL 0 5	
2742	LUAD Z 811 910	0.00	-743	27.37	-743	GLUB UNIF	DL 0 5	

SEALOAD=2

LINE NO. 1 2 3 4 5 6 7 8

2743	LJAU 4	911 911	0.00	-.745	27.57	-.745	GLUB UNIF	DL 0 5
2744	LJAU 4	912 912	0.00	-.745	27.57	-.745	GLUB UNIF	DL 0 5
2745	LJAU 4	9101010	0.00	-.874	27.57	-.874	GLUB UNIF	DL 0 5
2746	LJAU 4	9111011	0.00	-.874	27.57	-.874	GLUB UNIF	DL 0 5
2747	LJAU 4	9121012	0.00	-.874	27.57	-.874	GLUB UNIF	DL 0 5
2748	END							



APPENDIX B.2  
STRAN - 50 Year Storm

\*\*\*\*\*  
 \* STAN \*  
 \* A. SYNERCUS TECHNOLOGY, INC. DEVELOPMENT \*  
 \* RELEASE 6 MOD 14 \*  
 \* JUNE 1976 \*  
 \*\*\*\*\*

DATE 06/27/76

U.S. NAVY - AC/IR PLATFORMS - PLATFORM NO. 2 - MVL 93.0 FEET - 50 YR STORM

PLATFORM ANALYSIS

LOAD COND 1 # 50.0 DEG 50 YR STORM - WAVE/WIND UN PLATFORM  
 LOAD COND 2 # 90.0 DEG 50 YR STORM - WAVE/WIND UN PLATFORM  
 LOAD COND 3 # 200.0 DEG 50 YR STORM - WAVE/WIND UN PLATFORM  
 LOAD COND 4 # 270.0 DEG 50 YR STORM - WAVE/WIND UN PLATFORM  
 LOAD COND 5 # DEAD LOAD UN JACKET  
 LOAD COND 6 # 1 + 5  
 LOAD COND 7 # 2 + 5  
 LOAD COND 8 # 3 + 5  
 LOAD COND 9 # 4 + 5

AUGUST, 1976

\*\*\*PHUGAN OPTIONS\*\*\*

THE FOLLOWING OPTIONS HAVE BEEN REQUESTED FOR THIS ANALYSIS

INPUT \*\*\*\*\*CARD PLUS DATA FILE INPUT

INPUT UNITS \*\*\*\*\*ENGLISH

OUTPUT UNITS \*\*\*\*\*ENGLISH

EXECUTION \*\*\*\*\*QUALITY CHECK

\*\*\*\*\*QUALITY CHECK  
 \*\*\*\*\*QUALITY 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  
 \*\*\*\*\*VARIABLE MEMB, SEGMENTS/SECT 1

LOAD \*\*\*\*\*NO. BASIC LOAD COND. 5  
 \*\*\*\*\*NO. COMBINED LOAD COND. 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 MOMENTS PRINT  
 \*\*\*\*\*EQUILIBRIUM 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

S T R A N - G R O U P P R O P E R T I E S R E P O R T

PAGE 1  
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YR BTDRM  
TUBULAK MEMBER PROPERTIES

GMP	M/S	JOINT	AT	UD	AX	IX	IY	IZ	FY	KY	KZ	SHEAR	INPUT
		PI.	IN.	IN.	IN2	INA	INA	INA	KSI			AREA	SEC LEN
												IN2	FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***													
090	1	0.00	5.00	5.62	12.75	211.04	105.52	105.52	36.0	1.0	1.0	6.34	-0.00
100	1	0.00	5.00	10.75	20.27	649.04	324.52	324.52	36.0	1.0	1.0	13.13	-0.00
120	1	0.00	5.00	12.75	19.24	723.09	361.54	361.54	36.0	.8	1.0	9.62	-0.00
120	1	0.00	7.50	12.75	20.27	1021.85	510.93	510.93	36.0	.8	1.0	10.14	-0.00
125	1	0.00	5.00	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	-0.00
125	1	0.00	5.00	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	-0.00
127	1	0.00	5.00	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
137	1	0.00	5.00	12.75	14.58	554.67	274.34	274.34	36.0	1.6	.8	7.29	-0.00
140	1	0.00	5.00	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
149	1	0.00	5.00	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
149	1	0.00	5.00	14.00	16.05	745.52	372.76	372.76	36.0	.8	.8	6.03	-0.00
165	1	0.00	5.00	16.00	30.19	1707.03	893.52	893.52	36.0	.8	1.0	15.09	-0.00
165	1	0.00	5.00	12.75	14.58	554.67	274.34	274.34	36.0	1.6	.8	7.29	-0.00
189	1	0.00	5.00	14.00	21.21	907.51	484.76	484.76	36.0	1.6	.8	10.60	-0.00
200	1	0.00	5.00	20.00	38.04	3573.94	1786.97	1786.97	36.0	.8	.8	19.02	-0.00
09L	1	0.00	30.00	30.00	91.11	1417.85	4588.93	4588.93	36.0	1.6	.8	19.02	-0.00
P1	1	0.00	1.750	42.00	221.29	8973.68	44896.84	44896.84	36.0	1.0	1.0	45.55	-0.00
P2	1	0.00	2.000	42.00	251.53	100702.29	50301.15	50301.15	36.0	1.0	1.0	110.64	-0.00
P3	1	0.00	2.375	42.00	295.05	110471.24	58235.62	58235.62	36.0	1.0	1.0	125.68	-0.00
JL4	1	0.00	1.000	40.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	147.83	-0.00
JL5	1	0.00	1.000	40.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	147.83	-0.00
JL6	1	0.00	1.000	40.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	147.83	-0.00
JL7	1	0.00	5.00	45.50	70.09	35769.12	17894.56	17894.56	36.0	.8	1.0	35.34	-0.00
JL8	1	0.00	5.00	45.50	70.09	35769.12	17894.56	17894.56	36.0	.8	1.0	35.34	-0.00
JL9	1	0.00	5.00	45.50	70.09	35769.12	17894.56	17894.56	36.0	.8	1.0	35.34	-0.00
09M	1	0.00	5.00	16.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	1.0	13.74	-0.00

S I R A N - G R O U P P R O P E R T I E S R E P O R T

PAGE 2  
DATE 05/27/76

U.S. NAVY - ACMH PLATFORMS - PLATFORM NU. 2 - 44L 43.0 FEET - 50 YR STORM  
WIDE FLANGE/WIDE FLANGE COMPACT MEMBER PROPERTIES

GMP	M/S	FLANGE THICK	FLANGE WIDTH	MEM THICK	RADIUS	DEPTH	AX	IX	IY	IZ	FY	KY	KZ	LB	SEC	LEN	INPUT	
		IN.	IN.	IN.	IN.	IN.	IN2	IN4	IN4	IN4	KSI			FT.			FT.	
		*** E = 29000000.0 PSI, G = 11000000.0 PSI ***																
010	1	.570	7.50	.358	.500	16.00	16.20	1.25	805.00	40.20	36.0	2.0	.5	.01			-0.00	
008	1	.398	6.50	.245	.500	7.93	7.96	.34	82.50	18.20	36.0	1.0	1.0	.01			-0.00	
021	1	.740	8.30	.455	.640	21.24	21.50	3.02	1600.00	70.60	36.0	2.0	.5	.01			-0.00	

S I R A N - G R O U P P R O P E R T I E S R E P O R T

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DATE 08/27/74

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

GRP	M/S	Z-DPTH	Y-DPTH	AX	IX	IY	IZ	FY	KY	KZ	INPUT
		IN.	IN.	IN2	IN	IN	IN	KSI			SEC LEN
											PI.
*** E = 24000000.0 PSI, G = 11000000.0 PSI ***											
1		10.00	5.00	50.00	30000.00	30000.00	30000.00	36.0	1.0	1.0	-0.00

U.S. NAVY - ACMR PLATFORMS - PLATFORM NU. 2 - MHL 93.0 FEET - 50 YR STORH

LINE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43

LINE NO.	1	2	3	4	5	6	7	8
1	OPTIONS	0	7	0	0	0	0	0
2	AMOU	0	1.33	7	1.33	0	1.33	9
3	SECT	PHI	5000	3000000	5000000	3000000	1000	500
4	SECT	PHI	5000	3000000	5000000	3000000	1000	500
5	SECT	PHI	5000	3000000	5000000	3000000	1000	500
6	SECT	PHI	5000	3000000	5000000	3000000	1000	500
7	SECT	PHI	5000	3000000	5000000	3000000	1000	500
8	SECT	PHI	5000	3000000	5000000	3000000	1000	500
9	SECT	PHI	5000	3000000	5000000	3000000	1000	500
10	SECT	PHI	5000	3000000	5000000	3000000	1000	500
11	SECT	PHI	5000	3000000	5000000	3000000	1000	500
12	SECT	PHI	5000	3000000	5000000	3000000	1000	500
13	SECT	PHI	5000	3000000	5000000	3000000	1000	500
14	SECT	PHI	5000	3000000	5000000	3000000	1000	500
15	SECT	PHI	5000	3000000	5000000	3000000	1000	500
16	SECT	PHI	5000	3000000	5000000	3000000	1000	500
17	SECT	PHI	5000	3000000	5000000	3000000	1000	500
18	SECT	PHI	5000	3000000	5000000	3000000	1000	500
19	SECT	PHI	5000	3000000	5000000	3000000	1000	500
20	SECT	PHI	5000	3000000	5000000	3000000	1000	500
21	SECT	PHI	5000	3000000	5000000	3000000	1000	500
22	SECT	PHI	5000	3000000	5000000	3000000	1000	500
23	SECT	PHI	5000	3000000	5000000	3000000	1000	500
24	SECT	PHI	5000	3000000	5000000	3000000	1000	500
25	SECT	PHI	5000	3000000	5000000	3000000	1000	500
26	SECT	PHI	5000	3000000	5000000	3000000	1000	500
27	SECT	PHI	5000	3000000	5000000	3000000	1000	500
28	SECT	PHI	5000	3000000	5000000	3000000	1000	500
29	SECT	PHI	5000	3000000	5000000	3000000	1000	500
30	SECT	PHI	5000	3000000	5000000	3000000	1000	500
31	SECT	PHI	5000	3000000	5000000	3000000	1000	500
32	SECT	PHI	5000	3000000	5000000	3000000	1000	500
33	SECT	PHI	5000	3000000	5000000	3000000	1000	500
34	SECT	PHI	5000	3000000	5000000	3000000	1000	500
35	SECT	PHI	5000	3000000	5000000	3000000	1000	500
36	SECT	PHI	5000	3000000	5000000	3000000	1000	500
37	SECT	PHI	5000	3000000	5000000	3000000	1000	500
38	SECT	PHI	5000	3000000	5000000	3000000	1000	500
39	SECT	PHI	5000	3000000	5000000	3000000	1000	500
40	SECT	PHI	5000	3000000	5000000	3000000	1000	500
41	SECT	PHI	5000	3000000	5000000	3000000	1000	500
42	SECT	PHI	5000	3000000	5000000	3000000	1000	500
43	SECT	PHI	5000	3000000	5000000	3000000	1000	500
44	SECT	PHI	5000	3000000	5000000	3000000	1000	500
45	SECT	PHI	5000	3000000	5000000	3000000	1000	500
46	SECT	PHI	5000	3000000	5000000	3000000	1000	500
47	SECT	PHI	5000	3000000	5000000	3000000	1000	500
48	SECT	PHI	5000	3000000	5000000	3000000	1000	500
49	SECT	PHI	5000	3000000	5000000	3000000	1000	500
50	SECT	PHI	5000	3000000	5000000	3000000	1000	500

1800  
1800  
1800  
1800  
1800

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

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YH STOMM

LINE NO. 1 2 3 4 5 6 7 8

50	MEMBER	102 104 408						0800
51	MEMBER	102 105 408						0800
52	MEMBER	104 105 408						0800
53	MEMBER	104 201 125SK	111	111				2400
54	MEMBER	201 202 414						1800
55	MEMBER	202 203 414						1800
56	MEMBER	203 205 421						2100
57	MEMBER	205 206 421						2100
58	MEMBER	201 204 414						1800
59	MEMBER	204 206 414						1800
60	MEMBER	202 204 404						0800
61	MEMBER	202 205 408						0800
62	MEMBER	204 205 408						0800
63	MEMBER	201 303 120						4300
64	MEMBER	205 304 120						4300
65	MEMBER	204 301 120						4300
66	MEMBER	501 503 125SK	111	111				2400
67	MEMBER	501 503 125						2100
68	MEMBER	503 505 125						2100
69	MEMBER	501 505 125						1600
70	MEMBER	501 502 165						1600
71	MEMBER	502 503 165						1600
72	MEMBER	503 505 165						1600
73	MEMBER	505 506 165						1600
74	MEMBER	501 504 165						1600
75	MEMBER	504 505 165						1600
76	MEMBER	502 504 125						1275
77	MEMBER	502 505 125						1275
78	MEMBER	504 505 125						1275
79	MEMBER	501 507 165SK						0000
80	MEMBER	507 510 165SK	1111					0000
81	MEMBER	505 506 165SK						0000
82	MEMBER	504 511 165SK	1111					0000
83	MEMBER	509 509 165SK						0000
84	MEMBER	509 512 165SK	1111					0000
85	MEMBER	501 513 125SK						1200
86	MEMBER	503 514 125SK						1200
87	MEMBER	513 651 104SK						4000
88	MEMBER	514 653 104SK						4000
89	MEMBER	601 611 104SK						1400
90	MEMBER	603 613 104SK						1400
91	MEMBER	651 661 104SK						1200
92	MEMBER	653 663 104SK						1200
93	MEMBER	611 612 104SK						2000
94	MEMBER	612 613 104SK						2000
95	MEMBER	661 662 104SK						3000
96	MEMBER	662 663 104SK						3000
97	MEMBER	511 661 104SK						2900
98	MEMBER	512 662 104SK						2900



STRAN INPUT DATA

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

LINE NO. 1 2 3 4 5 6 7 8

99	MEMBER	613	603	166SK					3000
100	MEMBER	501	642	200					2000
101	MEMBER	503	645	200					2000
102	MEMBER	506	644	200					2000
103	MEMBER	642	703	200					3032
104	MEMBER	645	705	200					3032
105	MEMBER	644	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	MEMSK					0000
116	MEMBER	707	710	MEMSK	1111				0000
117	MEMBER	703	708	MEMSK					0000
118	MEMBER	704	711	MEMSK	1111				0000
119	MEMBER	706	709	MEMSK					0000
120	MEMBER	709	712	MEMSK	1111				0000
121	MEMBER	701	806	200					3032
122	MEMBER	703	801	200					3032
123	MEMBER	705	803	200					3032
124	MEMBER	801	802	168					2033
125	MEMBER	802	803	168					2033
126	MEMBER	803	805	168					2033
127	MEMBER	805	805	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	MEMSK					0000
134	MEMBER	807	810	MEMSK	1111				0000
135	MEMBER	803	808	MEMSK					0000
136	MEMBER	804	811	MEMSK	1111				0000
137	MEMBER	806	809	MEMSK					0000
138	MEMBER	809	812	MEMSK	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	904	169					2205
146	MEMBER	901	906	169					2205
147	MEMBER	904	906	169					2205

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

U.S. NAVY - ACMM PLATFORMS - PLATFORM NU, 2 - MWL 93.0 FEET - 50 YR STORM

LINE NU. 1 2 3 4 5 6 7 8

140	MEMBER	902	904	149					1757
149	MEMBER	902	905	149					1757
150	MEMBER	904	905	149					1757
151	MEMBER	901	907	MNSK	1111				0000
152	MEMBER	907	910	MNSK					0000
153	MEMBER	903	908	MNSK					0000
154	MEMBER	906	911	MNSK	1111				0000
155	MEMBER	906	909	MNSK					0000
156	MEMBER	909	912	MNSK	1111				0000
157	MEMBER	901	1002	160					2481
158	MEMBER	903	1002	160					2481
159	MEMBER	903	1005	160					2481
160	MEMBER	906	1004	160					2481
161	MEMBER	901	1004	160					2481
162	MEMBER	906	1004	160					2481
163	MEMBER	1001	1002	200					3032
164	MEMBER	1002	1003	200					3032
165	MEMBER	1003	1005	200					3032
166	MEMBER	1005	1006	200					3032
167	MEMBER	1001	1004	200					3032
168	MEMBER	1004	1004	200					2205
169	MEMBER	1002	1004	140					2205
170	MEMBER	1002	1005	140					2205
171	MEMBER	1004	1005	140					0000
172	MEMBER	1001	1007	MNSK	1111				0000
173	MEMBER	1007	1010	MNSK					0000
174	MEMBER	1003	1008	MNSK	1111				0000
175	MEMBER	1004	1011	MNSK	1111				0000
176	MEMBER	1006	1009	MNSK					0000
177	MEMBER	1007	1012	MNSK	1111				0000
178	MEMBER	101	201	OKL					3000
179	MEMBER	103	203	OKL					3000
180	MEMBER	106	206	OKL					3000
181	MEMBER	201	301	OKL					3000
182	MEMBER	203	303	OKL					3000
183	MEMBER	206	306	OKL					3000
184	MEMBER	301	401	OKL					3000
185	MEMBER	303	403	OKL					3000
186	MEMBER	306	406	OKL					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	6825







S I 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 2 3 4 5 6 7 8

344	JULI	045	-768	585	9300	MLA
345	JULI	046	000	1949	9300	MLM
346	JULI	051	-1775	-1025	8700	BOAT LDG
347	JULI	053	-1775	-1025	8700	BOAT LDG
348	JULI	056	000	2049	8700	BOAT LDG
349	JULI	061	1775	-1525	8700	BOAT LDG
350	JULI	062	000	-1525	8700	BOAT LDG
351	JULI	065	-1775	-1525	8700	BOAT LDG
352	JULI	701	1876	-1083	8000	7 LEVEL
353	JULI	702	000	-1083	8000	7 LEVEL
354	JULI	703	-1876	-1083	8000	7 LEVEL
355	JULI	704	438	542	8000	7 LEVEL
356	JULI	705	-438	542	8000	7 LEVEL
357	JULI	706	000	2106	8000	7 LEVEL
358	JULI	707	2047	-1182	8033	7 LEVEL
359	JULI	708	-2047	-1182	8033	7 LEVEL
360	JULI	709	000	2383	8033	7 LEVEL
361	JULI	710	1876	-1083	8001	7 LEVEL
362	JULI	711	-1876	-1083	8001	7 LEVEL
363	JULI	712	000	2106	8001	7 LEVEL
364	JULI	801	2451	-1300	5400	8 LEVEL
365	JULI	802	000	-1300	5400	8 LEVEL
366	JULI	803	-2451	-1300	5400	8 LEVEL
367	JULI	804	1126	650	5400	8 LEVEL
368	JULI	805	-1126	650	5400	8 LEVEL
369	JULI	806	000	2599	5400	8 LEVEL
370	JULI	807	2422	-1398	5433	8 LEVEL
371	JULI	808	-2422	-1398	5433	8 LEVEL
372	JULI	809	000	2797	5433	8 LEVEL
373	JULI	810	2451	-1300	5401	8 LEVEL
374	JULI	811	-2451	-1300	5401	8 LEVEL
375	JULI	812	000	2599	5401	8 LEVEL
376	JULI	901	2641	-1525	2700	9 LEVEL
377	JULI	902	000	-1525	2700	9 LEVEL
378	JULI	903	-2641	-1525	2700	9 LEVEL
379	JULI	904	1320	762	2700	9 LEVEL
380	JULI	905	-1320	762	2700	9 LEVEL
381	JULI	906	000	3049	2700	9 LEVEL
382	JULI	907	2612	-1423	2733	9 LEVEL
383	JULI	908	-2612	-1423	2733	9 LEVEL
384	JULI	909	000	3267	2733	9 LEVEL
385	JULI	910	2641	-1525	2701	9 LEVEL
386	JULI	911	-2641	-1525	2701	9 LEVEL
387	JULI	912	000	3649	2701	9 LEVEL
388	JULI	1001	3031	-1750	000	MIDDLE
389	JULI	1002	000	-1750	000	MIDDLE
390	JULI	1003	-3031	-1750	000	MIDDLE
391	JULI	1004	1315	875	000	MIDDLE
392	JULI	1005	-1315	875	000	MIDDLE

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

U.S. NAVY - ACMM PLATFORMS - PLATFORM NO. 2 - HVL 93.0 FEET - 50 YR STORM

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
393	JOINT 1006	000	3499	000				
394	JOINT 1007	3201	-1448	053				
395	JOINT 1008	-3201	-1448	053				
396	JOINT 1009	000	3497	053				
397	JOINT 1010	3031	-1750	001				
398	JOINT 1010				111111			
399	JOINT 1010			1010	910	08LIQU		
400	JOINT 1011	-3031	-1750	001				
401	JOINT 1011				111111			
402	JOINT 1011					08LIQU		
403	JOINT 1012	000	3499	001				
404	JOINT 1012				1011	911	08LIQU	
405	JOINT 1012							111111
406	LOAD				1012	912	08LIQU	
407	LOAD	1						
408	LOAD X	401	510	0.00	67			
409	LOAD Y	401	510					
410	LOAD Y	401	510	0.00	117	0.00	35120	GLOB CONC
411	LOAD X	401	510					
412	LOAD X	403	511	0.00	67	0.00=-	60830	GLOB MMT
413	LOAD Y	403	511					
414	LOAD Y	403	511	0.00	117	0.00=-	60830	GLOB MMT
415	LOAD X	403	511					
416	LOAD X	406	512	0.00	67	0.00=-	60830	GLOB MMT
417	LOAD Y	406	512					
418	LOAD Y	406	512	0.00	117	0.00=-	60830	GLOB MMT
419	LOAD X	406	512					
420	LOAD X	401	510	0.00	163	0.00	94760	GLOB CONC
421	LOAD Y	401	510					
422	LOAD Y	401	510	0.00	282	0.00=-	164129	GLOB MMT
423	LOAD X	401	510					
424	LOAD X	403	511	0.00	163	0.00	94760	GLOB CONC
425	LOAD Y	403	511					
426	LOAD Y	403	511	0.00	282	0.00=-	164129	GLOB MMT
427	LOAD X	403	511					
428	LOAD X	406	512	0.00	163	0.00	94760	GLOB CONC
429	LOAD Y	406	512					
430	LOAD Y	406	512	0.00	282	0.00=-	164129	GLOB MMT
431	LOAD X	406	512					
432	LOAD X	201	303	17.23	50	5.14	59	
433	LOAD Y	201	303	17.23	137	5.14	147	
434	LOAD Z	201	303	17.23	96	5.14	114	
435	LOAD X	201	303	22.37	59	5.14	61	
436	LOAD Y	201	303	22.37	187	5.14	200	
437	LOAD Z	201	303	22.37	114	5.14	116	
438	LOAD X	201	303	27.51	61	5.14	62	
439	LOAD Y	201	303	27.51	200	5.14	207	
440	LOAD Z	201	303	27.51	116	5.14	119	
441	LOAD X	203	306	26.74	15	2.93	16	

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

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YR STDRM

LINE NO. 1 2 3 4 5 6 7 8

442	LUAV Y	203 306	26.79	26	2.93	31	GL0B UNIF	MV 0 1
443	LUAV Z	203 306	26.79	59	2.93	69	GL0B UNIF	MV 0 1
444	LUAV X	203 306	29.72	18	2.93	17	GL0B UNIF	MV 0 1
445	LUAV Y	203 306	29.72	31	2.93	29	GL0B UNIF	MV 0 1
446	LUAV Z	203 306	29.72	64	2.93	65	GL0B UNIF	MV 0 1
447	LUAV X	206 301	22.22	45	3.44	135	GL0B UNIF	MV 0 1
448	LUAV Y	206 301	22.22	64	3.44	129	GL0B UNIF	MV 0 1
449	LUAV Z	206 301	22.22	60	3.44	86	GL0B UNIF	MV 0 1
450	LUAV X	206 301	25.69	135	3.44	169	GL0B UNIF	MV 0 1
451	LUAV Y	206 301	25.69	124	3.44	158	GL0B UNIF	MV 0 1
452	LUAV Z	206 301	25.69	46	3.44	102	GL0B UNIF	MV 0 1
453	LUAV X	206 301	29.17	164	3.44	178	GL0B UNIF	MV 0 1
454	LUAV Y	206 301	29.17	150	3.44	167	GL0B UNIF	MV 0 1
455	LUAV Z	206 301	29.17	102	3.44	108	GL0B UNIF	MV 0 1
456	LUAV X	301 403	0.00	44	20.33	56	GL0B UNIF	MV 0 1
457	LUAV Y	301 403	0.00	124	20.33	154	GL0B UNIF	MV 0 1
458	LUAV Z	301 403	0.00	45	20.33	57	GL0B UNIF	MV 0 1
459	LUAV X	301 403	20.33	56	20.33	38	GL0B UNIF	MV 0 1
460	LUAV Y	301 403	20.33	154	20.33	95	GL0B UNIF	MV 0 1
461	LUAV Z	301 403	20.33	57	20.33	39	GL0B UNIF	MV 0 1
462	LUAV X	301 503	0.00	104	24.00	105	GL0B UNIF	MV 0 1
463	LUAV Y	301 503	0.00	13	24.00	23	GL0B UNIF	MV 0 1
464	LUAV Z	301 504	0.00	23	4.67	17	GL0B UNIF	MV 0 1
465	LUAV X	303 306	9.67	17	9.67	09	GL0B UNIF	MV 0 1
466	LUAV Z	303 306	19.33	04	7.34	03	GL0B UNIF	MV 0 1
467	LUAV X	303 306	26.71	93	2.24	03	GL0B UNIF	MV 0 1
468	LUAV Y	301 306	0.00	54	9.67	90	GL0B UNIF	MV 0 1
469	LUAV Z	301 306	0.00	54	9.67	52	GL0B UNIF	MV 0 1
470	LUAV X	301 306	0.00	13	9.67	09	GL0B UNIF	MV 0 1
471	LUAV Y	301 306	9.67	90	9.67	86	GL0B UNIF	MV 0 1
472	LUAV Z	301 306	9.67	52	9.67	50	GL0B UNIF	MV 0 1
473	LUAV X	301 306	9.67	09	9.67	05	GL0B UNIF	MV 0 1
474	LUAV Y	301 306	19.33	86	9.67	54	GL0B UNIF	MV 0 1
475	LUAV Z	301 306	19.33	50	9.67	34	GL0B UNIF	MV 0 1
476	LUAV X	301 306	19.33	05	6.09	03	GL0B UNIF	MV 0 1
477	LUAV Y	301 306	25.42	60	15.15	60	GL0B UNIF	MV 0 1
478	LUAV Z	301 306	0.00	08	15.15	09	GL0B UNIF	MV 0 1
479	LUAV X	301 306	0.00	60	15.15	58	GL0B UNIF	MV 0 1
480	LUAV Y	301 306	0.00	04	15.15	08	GL0B UNIF	MV 0 1
481	LUAV Z	301 306	0.00	04	15.15	08	GL0B UNIF	MV 0 1
482	LUAV X	301 306	0.00	52	15.15	52	GL0B UNIF	MV 0 1
483	LUAV Y	301 306	0.00	30	15.15	30	GL0B UNIF	MV 0 1
484	LUAV Z	301 306	0.00	08	15.15	08	GL0B UNIF	MV 0 1
485	LUAV X	304 306	0.00	52	15.15	51	GL0B UNIF	MV 0 1
486	LUAV Y	304 306	0.00	30	15.15	29	GL0B UNIF	MV 0 1
487	LUAV Z	304 306	0.00	08	15.15	04	GL0B UNIF	MV 0 1
488	LUAV X	304 306	0.00	08	7.37	05	GL0B UNIF	MV 0 1
489	LUAV Y	304 306	0.00	08	7.37	05	GL0B UNIF	MV 0 1
490	LUAV Z	304 306	0.00	08	7.37	05	GL0B UNIF	MV 0 1



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

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

LINE NO.	1	2	3	4	5	6	7	8
491	LJAU	Z	502	504	7.57	05	7.57	04
492	LJAU	X	502	505	0.00	42	15.15	41
493	LJAU	Y	502	505	0.00	24	15.15	24
494	LJAU	Z	502	505	0.00	06	15.15	05
495	LJAU	Y	504	505	0.00	48	15.14	48
496	LJAU	Z	504	505	0.00	04	15.14	05
497	LJAU	X	501	513	0.00	26	3.00	26
498	LJAU	Y	501	513	0.00	45	3.00	45
499	LJAU	Z	501	513	0.00	04	3.00	04
500	LJAU	X	503	514	0.00	13	3.00	13
501	LJAU	Y	503	514	0.00	22	3.00	22
502	LJAU	Z	503	514	0.00	05	3.00	06
503	LJAU	X	513	651	0.00	92	6.00	41
504	LJAU	Y	513	651	0.00	159	6.00	141
505	LJAU	Z	513	651	0.00	81	6.00	73
506	LJAU	X	513	651	0.00	141	6.00	126
507	LJAU	Y	513	651	12.00	73	6.00	65
508	LJAU	Z	513	651	12.00	126	6.00	113
509	LJAU	X	514	653	0.00	79	6.00	70
510	LJAU	Y	514	653	0.00	136	6.00	121
511	LJAU	Z	514	653	0.00	70	6.00	63
512	LJAU	X	514	653	0.00	121	6.00	108
513	LJAU	Y	514	653	12.00	63	6.00	63
514	LJAU	Z	514	653	12.00	108	6.00	108
515	LJAU	X	514	653	12.00	63	6.00	63
516	LJAU	Y	514	653	12.00	108	6.00	108
517	LJAU	Z	514	653	12.00	63	6.00	63
518	LJAU	X	514	653	12.00	108	6.00	108
519	LJAU	Y	514	653	12.00	63	6.00	63
520	LJAU	Z	514	653	12.00	108	6.00	108
521	LJAU	X	514	653	12.00	63	6.00	63
522	LJAU	Y	514	653	12.00	108	6.00	108
523	LJAU	Z	514	653	12.00	63	6.00	63
524	LJAU	X	514	653	12.00	108	6.00	108
525	LJAU	Y	514	653	12.00	63	6.00	63
526	LJAU	Z	514	653	12.00	108	6.00	108
527	LJAU	X	514	653	12.00	63	6.00	63
528	LJAU	Y	514	653	12.00	108	6.00	108
529	LJAU	Z	514	653	12.00	63	6.00	63
530	LJAU	X	514	653	12.00	108	6.00	108
531	LJAU	Y	514	653	12.00	63	6.00	63
532	LJAU	Z	514	653	12.00	108	6.00	108
533	LJAU	X	514	653	12.00	63	6.00	63
534	LJAU	Y	514	653	12.00	108	6.00	108
535	LJAU	Z	514	653	12.00	63	6.00	63
536	LJAU	X	514	653	12.00	108	6.00	108
537	LJAU	Y	514	653	12.00	63	6.00	63
538	LJAU	Z	514	653	12.00	108	6.00	108
539	LJAU	X	514	653	12.00	63	6.00	63
540	LJAU	Y	514	653	12.00	108	6.00	108
541	LJAU	Z	514	653	12.00	63	6.00	63
542	LJAU	X	514	653	12.00	108	6.00	108
543	LJAU	Y	514	653	12.00	63	6.00	63
544	LJAU	Z	514	653	12.00	108	6.00	108
545	LJAU	X	514	653	12.00	63	6.00	63
546	LJAU	Y	514	653	12.00	108	6.00	108
547	LJAU	Z	514	653	12.00	63	6.00	63
548	LJAU	X	514	653	12.00	108	6.00	108
549	LJAU	Y	514	653	12.00	63	6.00	63
550	LJAU	Z	514	653	12.00	108	6.00	108
551	LJAU	X	514	653	12.00	63	6.00	63
552	LJAU	Y	514	653	12.00	108	6.00	108
553	LJAU	Z	514	653	12.00	63	6.00	63
554	LJAU	X	514	653	12.00	108	6.00	108
555	LJAU	Y	514	653	12.00	63	6.00	63
556	LJAU	Z	514	653	12.00	108	6.00	108
557	LJAU	X	514	653	12.00	63	6.00	63
558	LJAU	Y	514	653	12.00	108	6.00	108
559	LJAU	Z	514	653	12.00	63	6.00	63
560	LJAU	X	514	653	12.00	108	6.00	108
561	LJAU	Y	514	653	12.00	63	6.00	63
562	LJAU	Z	514	653	12.00	108	6.00	108
563	LJAU	X	514	653	12.00	63	6.00	63
564	LJAU	Y	514	653	12.00	108	6.00	108
565	LJAU	Z	514	653	12.00	63	6.00	63
566	LJAU	X	514	653	12.00	108	6.00	108
567	LJAU	Y	514	653	12.00	63	6.00	63
568	LJAU	Z	514	653	12.00	108	6.00	108
569	LJAU	X	514	653	12.00	63	6.00	63
570	LJAU	Y	514	653	12.00	108	6.00	108
571	LJAU	Z	514	653	12.00	63	6.00	63
572	LJAU	X	514	653	12.00	108	6.00	108
573	LJAU	Y	514	653	12.00	63	6.00	63
574	LJAU	Z	514	653	12.00	108	6.00	108
575	LJAU	X	514	653	12.00	63	6.00	63
576	LJAU	Y	514	653	12.00	108	6.00	108
577	LJAU	Z	514	653	12.00	63	6.00	63
578	LJAU	X	514	653	12.00	108	6.00	108
579	LJAU	Y	514	653	12.00	63	6.00	63
580	LJAU	Z	514	653	12.00	108	6.00	108
581	LJAU	X	514	653	12.00	63	6.00	63
582	LJAU	Y	514	653	12.00	108	6.00	108
583	LJAU	Z	514	653	12.00	63	6.00	63
584	LJAU	X	514	653	12.00	108	6.00	108
585	LJAU	Y	514	653	12.00	63	6.00	63
586	LJAU	Z	514	653	12.00	108	6.00	108
587	LJAU	X	514	653	12.00	63	6.00	63
588	LJAU	Y	514	653	12.00	108	6.00	108
589	LJAU	Z	514	653	12.00	63	6.00	63
590	LJAU	X	514	653	12.00	108	6.00	108
591	LJAU	Y	514	653	12.00	63	6.00	63
592	LJAU	Z	514	653	12.00	108	6.00	108
593	LJAU	X	514	653	12.00	63	6.00	63
594	LJAU	Y	514	653	12.00	108	6.00	108
595	LJAU	Z	514	653	12.00	63	6.00	63
596	LJAU	X	514	653	12.00	108	6.00	108
597	LJAU	Y	514	653	12.00	63	6.00	63
598	LJAU	Z	514	653	12.00	108	6.00	108
599	LJAU	X	514	653	12.00	63	6.00	63
600	LJAU	Y	514	653	12.00	108	6.00	108

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	2	3	4	5	6	7	8
540	LUAD X	613 663	6.06	49	6.06	44	GLUB UNIF	MV 0 1
541	LUAD Y	613 663	6.06	79	6.06	71	GLUB UNIF	MV 0 1
542	LUAD Z	613 663	6.06	07	6.06	06	GLUB UNIF	MV 0 1
543	LUAD X	501 542	0.00	16	10.12	17	GLUB UNIF	MV 0 1
544	LUAD Y	501 542	0.00	75	10.12	66	GLUB UNIF	MV 0 1
545	LUAD Z	501 542	0.00	31	10.12	28	GLUB UNIF	MV 0 1
546	LUAD X	501 642	10.12	17	10.12	16	GLUB UNIF	MV 0 1
547	LUAD Y	501 642	10.12	66	10.12	56	GLUB UNIF	MV 0 1
548	LUAD Z	501 642	10.12	26	10.12	26	GLUB UNIF	MV 0 1
549	LUAD X	503 645	0.00	14	6.75	14	GLUB UNIF	MV 0 1
550	LUAD Y	503 645	0.00	18	6.75	17	GLUB UNIF	MV 0 1
551	LUAD Z	503 645	0.00	30	6.75	29	GLUB UNIF	MV 0 1
552	LUAD X	503 645	6.75	14	6.75	13	GLUB UNIF	MV 0 1
553	LUAD Y	503 645	6.75	17	6.75	16	GLUB UNIF	MV 0 1
554	LUAD Z	503 645	6.75	29	6.75	26	GLUB UNIF	MV 0 1
555	LUAD X	503 645	13.50	13	6.75	13	GLUB UNIF	MV 0 1
556	LUAD Y	503 645	13.50	16	6.75	15	GLUB UNIF	MV 0 1
557	LUAD Z	503 645	13.50	26	6.75	26	GLUB UNIF	MV 0 1
558	LUAD X	506 644	0.00	55	10.12	49	GLUB UNIF	MV 0 1
559	LUAD Y	506 644	0.00	57	10.12	52	GLUB UNIF	MV 0 1
560	LUAD Z	506 644	0.00	23	10.12	23	GLUB UNIF	MV 0 1
561	LUAD X	506 644	10.12	49	10.12	44	GLUB UNIF	MV 0 1
562	LUAD Y	506 644	10.12	52	10.12	46	GLUB UNIF	MV 0 1
563	LUAD Z	506 644	10.12	23	10.12	21	GLUB UNIF	MV 0 1
564	LUAD X	642 703	0.00	21	7.31	19	GLUB UNIF	MV 0 1
565	LUAD Y	642 703	0.00	86	7.31	80	GLUB UNIF	MV 0 1
566	LUAD Z	642 703	0.00	35	7.31	33	GLUB UNIF	MV 0 1
567	LUAD X	642 703	7.31	19	7.31	18	GLUB UNIF	MV 0 1
568	LUAD Y	642 703	7.31	80	7.31	73	GLUB UNIF	MV 0 1
569	LUAD Z	642 703	7.31	33	7.31	30	GLUB UNIF	MV 0 1
570	LUAD X	642 703	14.62	16	7.31	16	GLUB UNIF	MV 0 1
571	LUAD Y	642 703	14.62	73	7.31	67	GLUB UNIF	MV 0 1
572	LUAD Z	642 703	14.62	30	7.31	27	GLUB UNIF	MV 0 1
573	LUAD X	645 706	0.00	20	7.31	18	GLUB UNIF	MV 0 1
574	LUAD Y	645 706	0.00	25	7.31	24	GLUB UNIF	MV 0 1
575	LUAD Z	645 706	0.00	43	7.31	40	GLUB UNIF	MV 0 1
576	LUAD X	645 706	7.31	16	7.31	17	GLUB UNIF	MV 0 1
577	LUAD Y	645 706	7.31	24	7.31	22	GLUB UNIF	MV 0 1
578	LUAD Z	645 706	7.31	40	7.31	37	GLUB UNIF	MV 0 1
579	LUAD X	645 706	14.62	17	7.31	16	GLUB UNIF	MV 0 1
580	LUAD Y	645 706	14.62	22	7.31	20	GLUB UNIF	MV 0 1
581	LUAD Z	645 706	14.62	37	7.31	34	GLUB UNIF	MV 0 1
582	LUAD X	644 701	0.00	66	10.97	59	GLUB UNIF	MV 0 1
583	LUAD Y	644 701	0.00	69	10.97	62	GLUB UNIF	MV 0 1
584	LUAD Z	644 701	0.00	26	10.97	26	GLUB UNIF	MV 0 1
585	LUAD X	644 701	10.97	59	10.97	52	GLUB UNIF	MV 0 1
586	LUAD Y	644 701	10.97	62	10.97	55	GLUB UNIF	MV 0 1
587	LUAD Z	644 701	10.97	26	10.97	23	GLUB UNIF	MV 0 1
588	LUAD X	701 702	0.00	47	16.76	46	GLUB UNIF	MV 0 1

STRAN INPUT DATA

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

LINE NO.	1	2	3	4	5	6	7	8					
589	LUAD	Z	701	702	0.00	02	18.76	03	GL0B	UNIF	MV	0	1
590	LUAD	Y	702	703	0.00	08	18.76	06	GL0B	UNIF	MV	0	1
591	LUAD	Z	702	703	0.00	03	18.76	03	GL0B	UNIF	MV	0	1
592	LUAD	Z	703	705	0.00	03	18.76	02	GL0B	UNIF	MV	0	1
593	LUAD	Z	705	706	0.00	02	6.25	02	GL0B	UNIF	MV	0	1
594	LUAD	Z	705	706	6.25	02	6.25	1	GL0B	UNIF	MV	0	1
595	LUAD	Z	705	706	12.50	1	6.25		GL0B	UNIF	MV	0	1
596	LUAD	X	701	704	0.00	41	18.76	40	GL0B	UNIF	MV	0	1
597	LUAD	Y	701	704	0.00	24	18.76	23	GL0B	UNIF	MV	0	1
598	LUAD	Z	701	704	0.00	02	18.76	02	GL0B	UNIF	MV	0	1
599	LUAD	X	704	706	0.00	40	18.75	38	GL0B	UNIF	MV	0	1
600	LUAD	Y	704	706	0.00	23	18.75	22	GL0B	UNIF	MV	0	1
601	LUAD	Z	704	706	0.00	02	18.75		GL0B	UNIF	MV	0	1
602	LUAD	Z	702	704	0.00	08	18.76	06	GL0B	UNIF	MV	0	1
603	LUAD	X	702	705	0.00	38	18.76	36	GL0B	UNIF	MV	0	1
604	LUAD	Y	702	705	0.00	21	18.76	21	GL0B	UNIF	MV	0	1
605	LUAD	Z	702	705	0.00	08	18.76	07	GL0B	UNIF	MV	0	1
606	LUAD	Y	704	705	0.00	42	18.76	42	GL0B	UNIF	MV	0	1
607	LUAD	Z	703	705	0.00	08	18.76	07	GL0B	UNIF	MV	0	1
608	LUAD	X	701	805	0.00	58	16.27	51	GL0B	UNIF	MV	0	1
609	LUAD	Y	701	806	0.00	39	16.27	35	GL0B	UNIF	MV	0	1
610	LUAD	Z	701	806	0.00	14	16.27	13	GL0B	UNIF	MV	0	1
611	LUAD	X	701	806	16.27	51	16.27	44	GL0B	UNIF	MV	0	1
612	LUAD	Y	701	806	16.27	55	16.27	30	GL0B	UNIF	MV	0	1
613	LUAD	Z	701	806	16.27	13	16.27	11	GL0B	UNIF	MV	0	1
614	LUAD	X	701	806	32.55	44	16.27	38	GL0B	UNIF	MV	0	1
615	LUAD	Y	701	806	32.55	30	16.27	27	GL0B	UNIF	MV	0	1
616	LUAD	Z	701	806	32.55	11	16.27	11	GL0B	UNIF	MV	0	1
617	LUAD	X	703	801	0.00	09	16.24	08	GL0B	UNIF	MV	0	1
618	LUAD	Y	703	801	0.00	70	16.24	63	GL0B	UNIF	MV	0	1
619	LUAD	Z	703	801	0.00	08	16.24	08	GL0B	UNIF	MV	0	1
620	LUAD	X	703	801	16.24	08	16.24	08	GL0B	UNIF	MV	0	1
621	LUAD	Y	703	801	16.24	63	16.24	56	GL0B	UNIF	MV	0	1
622	LUAD	Z	703	801	16.24	08	16.24	08	GL0B	UNIF	MV	0	1
623	LUAD	X	703	801	32.55	08	16.24	07	GL0B	UNIF	MV	0	1
624	LUAD	Y	703	801	32.55	56	16.24	50	GL0B	UNIF	MV	0	1
625	LUAD	Z	703	801	32.55	08	16.24	07	GL0B	UNIF	MV	0	1
626	LUAD	X	705	803	0.00	10	16.24	10	GL0B	UNIF	MV	0	1
627	LUAD	Y	705	803	0.00	23	16.24	22	GL0B	UNIF	MV	0	1
628	LUAD	Z	705	803	0.00	40	16.24	38	GL0B	UNIF	MV	0	1
629	LUAD	X	706	803	16.24	10	16.24	09	GL0B	UNIF	MV	0	1
630	LUAD	Y	706	803	16.24	22	16.24	20	GL0B	UNIF	MV	0	1
631	LUAD	Z	706	803	16.24	38	16.24	34	GL0B	UNIF	MV	0	1
632	LUAD	X	706	803	32.55	09	16.24	07	GL0B	UNIF	MV	0	1
633	LUAD	Y	706	803	32.55	20	16.24	16	GL0B	UNIF	MV	0	1
634	LUAD	Z	706	803	32.55	34	16.24	28	GL0B	UNIF	MV	0	1
635	LUAD	X	701	802	0.00	02	22.51	02	GL0B	UNIF	MV	0	1
636	LUAD	Y	701	802	0.00	32	22.51	31	GL0B	UNIF	MV	0	1
637	LUAD	Z	702	803	0.00	32	22.51		GL0B	UNIF	MV	0	1

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

U.S. NAVY - ACMH PLATFORMS - PLATFORM NU, 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO. 1 2 3 4 5 6 7 8

036	LJAU Z	M02 M03	0.00=	02	22.51=	02	GL0B UNIF	MV 0 1
039	LJAU Z	M03 M05	0.00=	02	22.51=	02	GL0B UNIF	MV 0 1
040	LJAU Z	M05 M06	0.00=	02	11.25=	1	GL0B UNIF	MV 0 1
041	LJAU Z	M05 M05	11.25=	1	11.25=	1	GL0B UNIF	MV 0 1
042	LJAU X	M01 M04	0.00=	26	22.51=	26	GL0B UNIF	MV 0 1
043	LJAU Y	M01 M04	0.00=	16	22.51=	16	GL0B UNIF	MV 0 1
044	LJAU Z	M01 M04	0.00=	02	22.51=	1	GL0B UNIF	MV 0 1
045	LJAU X	M04 M06	0.00=	28	22.51=	26	GL0B UNIF	MV 0 1
046	LJAU Y	M04 M06	0.00=	16	22.51=	15	GL0B UNIF	MV 0 1
047	LJAU Z	M04 M06	0.00=	1	22.51=	1	GL0B UNIF	MV 0 1
048	LJAU Z	M02 M04	0.00=	05	22.52=	04	GL0B UNIF	MV 0 1
049	LJAU X	M02 M05	0.00=	24	22.52=	23	GL0B UNIF	MV 0 1
050	LJAU Y	M02 M05	0.00=	14	22.52=	14	GL0B UNIF	MV 0 1
051	LJAU Z	M02 M05	0.00=	05	22.52=	05	GL0B UNIF	MV 0 1
052	LJAU Y	M04 M05	0.00=	24	22.52=	29	GL0B UNIF	MV 0 1
053	LJAU Z	M04 M05	0.00=	04	22.52=	05	GL0B UNIF	MV 0 1
054	LJAU X	M01 M03	0.00=	07	16.64=	07	GL0B UNIF	MV 0 1
055	LJAU Y	M01 M03	0.00=	46	16.64=	43	GL0B UNIF	MV 0 1
056	LJAU Z	M01 M03	0.00=	17	16.64=	15	GL0B UNIF	MV 0 1
057	LJAU X	M01 M03	16.64=	07	16.64=	06	GL0B UNIF	MV 0 1
058	LJAU Y	M01 M03	16.64=	43	16.64=	37	GL0B UNIF	MV 0 1
059	LJAU Z	M01 M03	16.64=	15	16.64=	13	GL0B UNIF	MV 0 1
060	LJAU X	M01 M03	37.24=	06	16.64=	05	GL0B UNIF	MV 0 1
061	LJAU Y	M01 M03	37.24=	37	16.64=	32	GL0B UNIF	MV 0 1
062	LJAU Z	M01 M03	37.24=	15	16.64=	11	GL0B UNIF	MV 0 1
063	LJAU X	M03 M06	0.00=	06	16.64=	06	GL0B UNIF	MV 0 1
064	LJAU Y	M03 M06	0.00=	07	16.64=	07	GL0B UNIF	MV 0 1
065	LJAU Z	M03 M06	0.00=	17	16.64=	17	GL0B UNIF	MV 0 1
066	LJAU X	M03 M06	16.64=	06	16.64=	06	GL0B UNIF	MV 0 1
067	LJAU Y	M03 M06	16.64=	07	16.64=	07	GL0B UNIF	MV 0 1
068	LJAU Z	M03 M06	16.64=	17	16.64=	17	GL0B UNIF	MV 0 1
069	LJAU X	M03 M06	37.24=	06	16.64=	06	GL0B UNIF	MV 0 1
070	LJAU Y	M03 M06	37.24=	07	16.64=	07	GL0B UNIF	MV 0 1
071	LJAU Z	M03 M06	37.24=	17	16.64=	16	GL0B UNIF	MV 0 1
072	LJAU X	M06 M01	0.00=	37	16.64=	34	GL0B UNIF	MV 0 1
073	LJAU Y	M06 M01	0.00=	32	16.64=	30	GL0B UNIF	MV 0 1
074	LJAU Z	M06 M01	0.00=	14	16.64=	13	GL0B UNIF	MV 0 1
075	LJAU X	M06 M01	16.64=	34	16.64=	31	GL0B UNIF	MV 0 1
076	LJAU Y	M06 M01	16.64=	30	16.64=	28	GL0B UNIF	MV 0 1
077	LJAU Z	M06 M01	16.64=	15	16.64=	12	GL0B UNIF	MV 0 1
078	LJAU X	M06 M01	37.24=	31	16.64=	28	GL0B UNIF	MV 0 1
079	LJAU Y	M06 M01	37.24=	26	16.64=	25	GL0B UNIF	MV 0 1
080	LJAU Z	M06 M01	37.24=	12	16.64=	10	GL0B UNIF	MV 0 1
081	LJAU Y	M01 M02	0.00=	26	26.41=	26	GL0B UNIF	MV 0 1
082	LJAU Z	M01 M02	0.00=	1	26.41=	1	GL0B UNIF	MV 0 1
083	LJAU X	M02 M03	0.00=	26	26.41=	25	GL0B UNIF	MV 0 1
084	LJAU Y	M02 M03	0.00=	1	26.41=	1	GL0B UNIF	MV 0 1
085	LJAU Z	M02 M03	0.00=	1	26.41=	1	GL0B UNIF	MV 0 1
086	LJAU X	M05 M06	0.00=	1	26.41=	1	GL0B UNIF	MV 0 1

STRAN INPUT DATA

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					
687	L0A0	X	901	904	0.00	25	26.41	22	GL0B	UNIF	MV	0	1
688	L0A0	Y	901	904	0.00	13	26.41	13	GL0B	UNIF	MV	0	1
689	L0A0	Z	901	904	0.00	1	26.41	1	GL0B	UNIF	MV	0	1
690	L0A0	X	904	906	0.00	22	26.41	21	GL0B	UNIF	MV	0	1
691	L0A0	Y	904	906	0.00	13	26.41	12	GL0B	UNIF	MV	0	1
692	L0A0	Z	904	906	0.00	1	26.41	1	GL0B	UNIF	MV	0	1
693	L0A0	X	902	905	0.00	02	26.41	02	GL0B	UNIF	MV	0	1
694	L0A0	Y	902	905	0.00	18	26.41	18	GL0B	UNIF	MV	0	1
695	L0A0	Z	902	905	0.00	10	26.41	11	GL0B	UNIF	MV	0	1
696	L0A0	X	902	905	0.00	02	26.41	02	GL0B	UNIF	MV	0	1
697	L0A0	Y	904	905	0.00	22	26.40	21	GL0B	UNIF	MV	0	1
698	L0A0	Z	904	905	0.00	02	26.40	02	GL0B	UNIF	MV	0	1
699	L0A0	X	901	1002	0.00	06	12.61	07	GL0B	UNIF	MV	0	1
700	L0A0	Y	901	1002	0.00	29	12.61	27	GL0B	UNIF	MV	0	1
701	L0A0	Z	901	1002	0.00	10	12.61	10	GL0B	UNIF	MV	0	1
702	L0A0	X	901	1002	12.61	07	12.61	06	GL0B	UNIF	MV	0	1
703	L0A0	Y	901	1002	12.61	27	12.61	23	GL0B	UNIF	MV	0	1
704	L0A0	Z	901	1002	12.61	10	12.61	08	GL0B	UNIF	MV	0	1
705	L0A0	X	901	1002	25.22	06	12.61	06	GL0B	UNIF	MV	0	1
706	L0A0	Y	901	1002	25.22	23	12.61	02	GL0B	UNIF	MV	0	1
707	L0A0	Z	901	1002	25.22	06	12.61	06	GL0B	UNIF	MV	0	1
708	L0A0	X	903	1002	0.00	06	12.61	06	GL0B	UNIF	MV	0	1
709	L0A0	Y	903	1002	0.00	28	12.61	26	GL0B	UNIF	MV	0	1
710	L0A0	Z	903	1002	0.00	06	12.61	06	GL0B	UNIF	MV	0	1
711	L0A0	X	903	1002	12.61	06	12.61	07	GL0B	UNIF	MV	0	1
712	L0A0	Y	903	1002	12.61	26	12.61	23	GL0B	UNIF	MV	0	1
713	L0A0	Z	903	1002	12.61	06	12.61	05	GL0B	UNIF	MV	0	1
714	L0A0	X	903	1002	25.22	07	12.61	06	GL0B	UNIF	MV	0	1
715	L0A0	Y	903	1002	25.22	23	12.61	02	GL0B	UNIF	MV	0	1
716	L0A0	Z	903	1002	25.22	05	12.61	06	GL0B	UNIF	MV	0	1
717	L0A0	X	903	1005	0.00	04	12.61	09	GL0B	UNIF	MV	0	1
718	L0A0	Y	903	1005	0.00	13	12.61	12	GL0B	UNIF	MV	0	1
719	L0A0	Z	903	1005	0.00	15	12.61	15	GL0B	UNIF	MV	0	1
720	L0A0	X	903	1005	12.61	09	12.61	08	GL0B	UNIF	MV	0	1
721	L0A0	Y	903	1005	12.61	12	12.61	11	GL0B	UNIF	MV	0	1
722	L0A0	Z	903	1005	12.61	15	12.61	13	GL0B	UNIF	MV	0	1
723	L0A0	X	903	1005	25.23	06	12.61	06	GL0B	UNIF	MV	0	1
724	L0A0	Y	903	1005	25.23	11	12.61	11	GL0B	UNIF	MV	0	1
725	L0A0	Z	903	1005	25.23	13	12.61	13	GL0B	UNIF	MV	0	1
726	L0A0	X	908	1005	0.00	07	12.61	07	GL0B	UNIF	MV	0	1
727	L0A0	Y	908	1005	0.00	15	12.61	15	GL0B	UNIF	MV	0	1
728	L0A0	Z	908	1005	0.00	17	12.61	16	GL0B	UNIF	MV	0	1
729	L0A0	X	908	1005	12.61	07	12.61	06	GL0B	UNIF	MV	0	1
730	L0A0	Y	908	1005	12.61	15	12.61	13	GL0B	UNIF	MV	0	1
731	L0A0	Z	908	1005	12.61	16	12.61	14	GL0B	UNIF	MV	0	1
732	L0A0	X	908	1005	25.22	06	12.61	06	GL0B	UNIF	MV	0	1
733	L0A0	Y	908	1005	25.22	13	12.61	13	GL0B	UNIF	MV	0	1
734	L0A0	Z	908	1005	25.22	14	12.61	14	GL0B	UNIF	MV	0	1
735	L0A0	X	901	1004	0.00	21	12.61	20	GL0B	UNIF	MV	0	1

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

U.S. NAVY - ACMR PLATFORMS - PLATFORM NU. 2 - HML 93.0 FEET - 50 YR STDRM

LINE NO.	1	2	3	4	5	6	7	8
736	LOAD Y 9011004	0.00	20	12.61	19	GL08 UNIF	MV 0 1	
737	LOAD Y 9011004	0.00	04	12.61	08	GL08 UNIF	MV 0 1	
738	LOAD X 9011004	12.61	20	12.61	17	GL08 UNIF	MV 0 1	
739	LOAD Y 9011004	12.61	14	12.61	16	GL08 UNIF	MV 0 1	
740	LOAD Z 9011004	12.61	08	12.61	07	GL08 UNIF	MV 0 1	
741	LOAD X 9011004	25.23	17	12.61	02	GL08 UNIF	MV 0 1	
742	LOAD Y 9011004	25.23	16	12.61	02	GL08 UNIF	MV 0 1	
743	LOAD Z 9011004	25.23	07	12.61	1	GL08 UNIF	MV 0 1	
744	LOAD X 9011004	0.00	20	12.61	18	GL08 UNIF	MV 0 1	
745	LOAD Y 9011004	0.00	23	12.61	21	GL08 UNIF	MV 0 1	
746	LOAD Z 9011004	0.00	07	12.61	07	GL08 UNIF	MV 0 1	
747	LOAD X 9011004	12.61	18	12.61	18	GL08 UNIF	MV 0 1	
748	LOAD Y 9011004	12.61	21	12.61	19	GL08 UNIF	MV 0 1	
749	LOAD Z 9011004	12.61	07	12.61	06	GL08 UNIF	MV 0 1	
750	LOAD X 9011004	25.22	18	12.61	02	GL08 UNIF	MV 0 1	
751	LOAD Y 9011004	25.22	14	12.61	02	GL08 UNIF	MV 0 1	
752	LOAD Z 9011004	25.22	08	12.61	1	GL08 UNIF	MV 0 1	
753	LOAD X 10011002	0.00	03	15.15	03	GL08 UNIF	MV 0 1	
754	LOAD Y 10011002	15.15	03	15.15	02	GL08 UNIF	MV 0 1	
755	LOAD Z 10011003	0.00	02	10.10	1	GL08 UNIF	MV 0 1	
756	LOAD X 10011003	0.00	1	19.10	1	GL08 UNIF	MV 0 1	
757	LOAD Y 10021003	20.21	1	10.10	1	GL08 UNIF	MV 0 1	
758	LOAD Z 10011004	0.00	03	19.10	03	GL08 UNIF	MV 0 1	
759	LOAD X 10011004	0.00	02	19.10	02	GL08 UNIF	MV 0 1	
760	LOAD Y 10011004	10.10	03	10.10	04	GL08 UNIF	MV 0 1	
761	LOAD Z 10011004	10.10	02	10.10	02	GL08 UNIF	MV 0 1	
762	LOAD X 10011004	20.21	04	10.10	04	GL08 UNIF	MV 0 1	
763	LOAD Y 10011004	20.21	02	10.10	02	GL08 UNIF	MV 0 1	
764	LOAD Z 10041006	0.00	04	10.10	04	GL08 UNIF	MV 0 1	
765	LOAD X 10041006	0.00	02	19.10	02	GL08 UNIF	MV 0 1	
766	LOAD Y 10041006	10.10	04	10.10	05	GL08 UNIF	MV 0 1	
767	LOAD Z 10041006	10.10	02	10.10	03	GL08 UNIF	MV 0 1	
768	LOAD X 10041006	20.20	05	10.10	05	GL08 UNIF	MV 0 1	
769	LOAD Y 10041006	20.20	03	10.10	03	GL08 UNIF	MV 0 1	
770	LOAD Z 10021005	0.00	1	30.31	02	GL08 UNIF	MV 0 1	
771	LOAD X 10021005	0.00	1	30.31	1	GL08 UNIF	MV 0 1	
772	LOAD Y 10041005	0.00	02	15.15	02	GL08 UNIF	MV 0 1	
773	LOAD Z 10041005	15.15	02	15.15	02	GL08 UNIF	MV 0 1	
774	LOAD X 201 301	6.70	33	2.10	54	GL08 UNIF	MV 0 1	
775	LOAD Y 201 301	6.70	58	2.10	102	GL08 UNIF	MV 0 1	
776	LOAD Z 201 301	10.80	54	2.10	84	GL08 UNIF	MV 0 1	
777	LOAD X 201 301	10.80	102	2.10	186	GL08 UNIF	MV 0 1	
778	LOAD Y 201 301	12.90	84	2.10	92	GL08 UNIF	MV 0 1	
779	LOAD Z 201 301	12.90	186	2.10	159	GL08 UNIF	MV 0 1	
780	LOAD X 203 303	7.21	24	2.60	51	GL08 UNIF	MV 0 1	
781	LOAD Y 203 303	7.21	51	2.60	89	GL08 UNIF	MV 0 1	
782	LOAD Z 203 303	9.81	51	2.60	73	GL08 UNIF	MV 0 1	
783	LOAD X 205 303	9.81	89	2.60	127	GL08 UNIF	MV 0 1	
784	LOAD Y 205 303	12.40	73	2.60	85	GL08 UNIF	MV 0 1	

STRAN INPUT DATA

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

LINE NO. 1 2 3 4 5 6 7 8

765	LOAD Y	203 303	12.40	127	2.60	148	GL08 UNIF	MV 0 1
766	LOAD X	206 306	14.47		.53	62	GL08 UNIF	MV 0 1
767	LOAD Y	206 306	14.47		.53	108	GL08 UNIF	MV 0 1
768	LOAD X	301 401	0.00	92	14.25	112	GL08 UNIF	MV 0 1
769	LOAD Y	301 401	0.00	159	14.25	194	GL08 UNIF	MV 0 1
770	LOAD X	301 401	14.25	112	14.25	174	GL08 UNIF	MV 0 1
771	LOAD Y	301 401	14.25	194	14.25	127	GL08 UNIF	MV 0 1
772	LOAD X	303 403	9.00	145	9.50	111	GL08 UNIF	MV 0 1
773	LOAD Y	303 403	9.00	148	9.50	192	GL08 UNIF	MV 0 1
774	LOAD X	303 403	9.50	111	9.50	98	GL08 UNIF	MV 0 1
775	LOAD Y	303 403	9.50	192	9.50	170	GL08 UNIF	MV 0 1
776	LOAD X	303 403	14.00	96	9.50	68	GL08 UNIF	MV 0 1
777	LOAD Y	303 403	14.00	170	9.50	118	GL08 UNIF	MV 0 1
778	LOAD X	306 406	0.00	62	14.25	108	GL08 UNIF	MV 0 1
779	LOAD Y	306 406	0.00	108	14.25	187	GL08 UNIF	MV 0 1
800	LOAD X	306 406	14.25	108	14.25	75	GL08 UNIF	MV 0 1
801	LOAD Y	306 406	14.25	187	14.25	129	GL08 UNIF	MV 0 1
802	LOAD X	401 501	0.00	110	4.56	101	GL08 UNIF	MV 0 1
803	LOAD Y	401 501	0.00	216	4.56	198	GL08 UNIF	MV 0 1
804	LOAD X	401 501	0.00	113	4.56	02	GL08 UNIF	MV 0 1
805	LOAD Y	401 501	0.00	113	4.56	103	GL08 UNIF	MV 0 1
806	LOAD X	403 503	0.00	145	4.56	171	GL08 UNIF	MV 0 1
807	LOAD Y	403 503	0.00	32	4.56	29	GL08 UNIF	MV 0 1
808	LOAD X	406 506	0.00	126	4.56	118	GL08 UNIF	MV 0 1
809	LOAD Y	406 506	0.00	207	4.56	189	GL08 UNIF	MV 0 1
810	LOAD X	406 506	0.00	34	4.56	32	GL08 UNIF	MV 0 1
811	LOAD Y	501 601	0.00	101	3.04	94	GL08 UNIF	MV 0 1
812	LOAD X	501 601	0.00	198	3.04	186	GL08 UNIF	MV 0 1
813	LOAD Y	501 601	0.00	02	3.04	02	GL08 UNIF	MV 0 1
814	LOAD X	501 601	3.04	94	3.04	88	GL08 UNIF	MV 0 1
815	LOAD Y	501 601	3.04	186	3.04	175	GL08 UNIF	MV 0 1
816	LOAD X	501 601	3.04	02	3.04	02	GL08 UNIF	MV 0 1
817	LOAD Y	503 603	0.00	103	3.04	97	GL08 UNIF	MV 0 1
818	LOAD X	503 603	0.00	170	3.04	159	GL08 UNIF	MV 0 1
819	LOAD Y	503 603	0.00	29	3.04	27	GL08 UNIF	MV 0 1
820	LOAD X	503 603	3.04	97	3.04	91	GL08 UNIF	MV 0 1
821	LOAD Y	503 603	3.04	159	3.04	149	GL08 UNIF	MV 0 1
822	LOAD X	503 603	3.04	27	3.04	25	GL08 UNIF	MV 0 1
823	LOAD Y	506 606	0.00	116	3.04	111	GL08 UNIF	MV 0 1
824	LOAD X	506 606	0.00	190	3.04	178	GL08 UNIF	MV 0 1
825	LOAD Y	506 606	0.00	31	3.04	29	GL08 UNIF	MV 0 1
826	LOAD X	506 606	3.04	111	3.04	104	GL08 UNIF	MV 0 1
827	LOAD Y	506 606	3.04	178	3.04	167	GL08 UNIF	MV 0 1
828	LOAD X	601 641	0.00	86	3.04	83	GL08 UNIF	MV 0 1
829	LOAD Y	601 641	0.00	175	3.04	166	GL08 UNIF	MV 0 1
830	LOAD X	601 641	0.00	02	3.04	02	GL08 UNIF	MV 0 1
831	LOAD Y	601 641	3.04	83	3.04	79	GL08 UNIF	MV 0 1
832	LOAD X	601 641	3.04	166	3.04	157	GL08 UNIF	MV 0 1
833	LOAD Y	601 641	3.04	02	3.04	02	GL08 UNIF	MV 0 1

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

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

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

LINE NO.	1	2	3	4	5	6	7	8
834	LOAD 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	LOAD 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
836	LOAD 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
837	LOAD 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
838	LOAD 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
839	LOAD 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	LOAD 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
841	LOAD 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
842	LOAD 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
843	LOAD 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
844	LOAD 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
845	LOAD 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
846	LOAD 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
847	LOAD 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
848	LOAD 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
849	LOAD 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	LOAD 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
851	LOAD 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
852	LOAD 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
853	LOAD 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
854	LOAD 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
855	LOAD 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
856	LOAD 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
857	LOAD 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
858	LOAD 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
859	LOAD 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	LOAD 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
861	LOAD 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
862	LOAD 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
863	LOAD 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
864	LOAD 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
865	LOAD 32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
866	LOAD 33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
867	LOAD 34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
868	LOAD 35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
869	LOAD 36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
870	LOAD 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
871	LOAD 38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
872	LOAD 39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
873	LOAD 40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
874	LOAD 41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
875	LOAD 42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
876	LOAD 43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
877	LOAD 44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
878	LOAD 45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
879	LOAD 46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
880	LOAD 47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
881	LOAD 48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
882	LOAD 49	0.00	0.00	0.00	0.00	0.00	0.00	0.00

GL08 UNIF MV 0 1  
GL09 UNIF MV 0 1  
GL10 UNIF MV 0 1  
GL11 UNIF MV 0 1  
GL12 UNIF MV 0 1  
GL13 UNIF MV 0 1  
GL14 UNIF MV 0 1  
GL15 UNIF MV 0 1  
GL16 UNIF MV 0 1  
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GL95 UNIF MV 0 1  
GL96 UNIF MV 0 1  
GL97 UNIF MV 0 1  
GL98 UNIF MV 0 1  
GL99 UNIF MV 0 1  
GL00 UNIF MV 0 1



STRAN INPUT DATA

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

LINE NO. 1 2 3 4 5 6 7 8

883	LJAU A	701 801	17.57	66	8.79	59	GL0B UNIF	MV 0 1
884	LJAU Y	701 801	17.57	138	8.79	122	GL0B UNIF	MV 0 1
885	LJAU Z	701 801	17.57	02	8.79	02	GL0B UNIF	MV 0 1
886	LJAU A	703 803	0.00	88	8.79	75	GL0B UNIF	MV 0 1
887	LJAU Y	703 803	0.00	139	8.79	118	GL0B UNIF	MV 0 1
888	LJAU Z	703 803	0.00	124	8.79	21	GL0B UNIF	MV 0 1
889	LJAU A	703 803	8.79	75	8.79	64	GL0B UNIF	MV 0 1
890	LJAU Y	703 803	8.79	118	8.79	102	GL0B UNIF	MV 0 1
891	LJAU Z	703 803	8.79	21	8.79	16	GL0B UNIF	MV 0 1
892	LJAU A	703 803	17.57	64	8.79	55	GL0B UNIF	MV 0 1
893	LJAU Y	703 803	17.57	102	8.79	88	GL0B UNIF	MV 0 1
894	LJAU Z	703 803	17.57	18	8.79	15	GL0B UNIF	MV 0 1
895	LJAU A	706 806	0.00	112	8.79	99	GL0B UNIF	MV 0 1
896	LJAU Y	706 806	0.00	176	8.79	155	GL0B UNIF	MV 0 1
897	LJAU Z	706 806	0.00	29	8.79	26	GL0B UNIF	MV 0 1
898	LJAU A	706 806	8.79	99	8.79	88	GL0B UNIF	MV 0 1
899	LJAU Y	706 806	8.79	155	8.79	139	GL0B UNIF	MV 0 1
900	LJAU Z	706 806	8.79	26	8.79	23	GL0B UNIF	MV 0 1
901	LJAU A	706 806	17.57	88	8.79	79	GL0B UNIF	MV 0 1
902	LJAU Y	706 806	17.57	139	8.79	125	GL0B UNIF	MV 0 1
903	LJAU Z	706 806	17.57	23	8.79	21	GL0B UNIF	MV 0 1
904	LJAU A	801 901	0.00	59	9.12	55	GL0B UNIF	MV 0 1
905	LJAU Y	801 901	0.00	122	9.12	109	GL0B UNIF	MV 0 1
906	LJAU Z	801 901	0.00	02	9.12	1	GL0B UNIF	MV 0 1
907	LJAU A	801 901	9.12	55	9.12	49	GL0B UNIF	MV 0 1
908	LJAU Y	801 901	9.12	109	9.12	98	GL0B UNIF	MV 0 1
909	LJAU Z	801 901	9.12	1	9.12	1	GL0B UNIF	MV 0 1
910	LJAU A	801 901	18.25	49	9.12	46	GL0B UNIF	MV 0 1
911	LJAU Y	801 901	18.25	98	9.12	90	GL0B UNIF	MV 0 1
912	LJAU Z	801 901	18.25	1	9.12	1	GL0B UNIF	MV 0 1
913	LJAU A	803 903	0.00	55	9.12	48	GL0B UNIF	MV 0 1
914	LJAU Y	803 903	0.00	88	9.12	76	GL0B UNIF	MV 0 1
915	LJAU Z	803 903	0.00	15	9.12	13	GL0B UNIF	MV 0 1
916	LJAU A	803 903	9.12	48	9.12	41	GL0B UNIF	MV 0 1
917	LJAU Y	803 903	9.12	76	9.12	67	GL0B UNIF	MV 0 1
918	LJAU Z	803 903	9.12	13	9.12	12	GL0B UNIF	MV 0 1
919	LJAU A	803 903	18.25	41	9.12	36	GL0B UNIF	MV 0 1
920	LJAU Y	803 903	18.25	67	9.12	59	GL0B UNIF	MV 0 1
921	LJAU Z	803 903	18.25	12	9.12	10	GL0B UNIF	MV 0 1
922	LJAU A	806 906	0.00	79	9.12	72	GL0B UNIF	MV 0 1
923	LJAU Y	806 906	0.00	125	9.12	114	GL0B UNIF	MV 0 1
924	LJAU Z	806 906	0.00	21	9.12	19	GL0B UNIF	MV 0 1
925	LJAU A	806 906	9.12	72	9.12	66	GL0B UNIF	MV 0 1
926	LJAU Y	806 906	9.12	114	9.12	106	GL0B UNIF	MV 0 1
927	LJAU Z	806 906	9.12	19	9.12	16	GL0B UNIF	MV 0 1
928	LJAU A	806 906	18.25	66	9.12	61	GL0B UNIF	MV 0 1
929	LJAU Y	806 906	18.25	106	9.12	99	GL0B UNIF	MV 0 1
930	LJAU Z	806 906	18.25	16	9.12	17	GL0B UNIF	MV 0 1
931	LJAU A	9011001	0.00	86	9.12	84	GL0B UNIF	MV 0 1



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

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

LINE NO. 1 2 3 4 5 6 7 8

981	LUAD X	206 301	20.49	32	4.05	56	GL0B UNIF	MV 0 2
982	LUAD Y	206 301	20.49	72	4.05	108	GL0B UNIF	MV 0 2
983	LUAD Z	206 301	20.49	90	4.05	126	GL0B UNIF	MV 0 2
984	LUAD X	206 301	24.54	58	4.05	72	GL0B UNIF	MV 0 2
985	LUAD Y	206 301	24.54	108	4.05	133	GL0B UNIF	MV 0 2
986	LUAD Z	206 301	24.54	126	4.05	153	GL0B UNIF	MV 0 2
987	LUAD X	206 301	28.59	72	4.05	76	GL0B UNIF	MV 0 2
988	LUAD Y	206 301	28.59	133	4.05	142	GL0B UNIF	MV 0 2
989	LUAD Z	206 301	28.59	153	4.05	164	GL0B UNIF	MV 0 2
990	LUAD X	301 403	0.00	13	13.55	13	GL0B UNIF	MV 0 2
991	LUAD Y	301 403	0.00	152	13.55	190	GL0B UNIF	MV 0 2
992	LUAD Z	301 403	0.00	13	13.55	13	GL0B UNIF	MV 0 2
993	LUAD X	301 403	13.55	13	13.55	12	GL0B UNIF	MV 0 2
994	LUAD Y	301 403	13.55	190	13.55	164	GL0B UNIF	MV 0 2
995	LUAD Z	301 403	13.55	13	13.55	12	GL0B UNIF	MV 0 2
996	LUAD X	301 403	27.11	12	13.55	11	GL0B UNIF	MV 0 2
997	LUAD Y	301 403	27.11	164	13.55	114	GL0B UNIF	MV 0 2
998	LUAD Z	301 403	27.11	12	13.55	11	GL0B UNIF	MV 0 2
999	LUAD X	301 303	0.00	132	29.00	132	GL0B UNIF	MV 0 2
1000	LUAD Y	301 303	0.00	20	29.00	20	GL0B UNIF	MV 0 2
1001	LUAD Z	303 304	0.00	57	9.67	54	GL0B UNIF	MV 0 2
1002	LUAD X	303 304	0.00	35	9.67	31	GL0B UNIF	MV 0 2
1003	LUAD Y	303 304	0.00	20	9.67	13	GL0B UNIF	MV 0 2
1004	LUAD Z	303 304	9.67	54	9.67	50	GL0B UNIF	MV 0 2
1005	LUAD X	303 306	9.67	31	9.67	29	GL0B UNIF	MV 0 2
1006	LUAD Y	303 306	9.67	13	9.67	06	GL0B UNIF	MV 0 2
1007	LUAD Z	303 306	19.33	50	9.67		GL0B UNIF	MV 0 2
1008	LUAD X	303 306	19.33	29	9.67		GL0B UNIF	MV 0 2
1009	LUAD Y	303 306	19.33	06	9.67		GL0B UNIF	MV 0 2
1010	LUAD Z	301 306	0.00	57	9.67	54	GL0B UNIF	MV 0 2
1011	LUAD X	301 306	0.00	33	9.67	31	GL0B UNIF	MV 0 2
1012	LUAD Y	301 306	0.00	20	9.67	13	GL0B UNIF	MV 0 2
1013	LUAD Z	301 306	9.67	54	9.67	50	GL0B UNIF	MV 0 2
1014	LUAD X	301 306	9.67	31	9.67	29	GL0B UNIF	MV 0 2
1015	LUAD Y	301 306	9.67	13	9.67	06	GL0B UNIF	MV 0 2
1016	LUAD Z	301 306	19.33	50	9.67		GL0B UNIF	MV 0 2
1017	LUAD X	301 306	19.33	29	9.67		GL0B UNIF	MV 0 2
1018	LUAD Y	301 306	19.33	06	9.67		GL0B UNIF	MV 0 2
1019	LUAD Z	501 502	0.00	70	15.15	70	GL0B UNIF	MV 0 2
1020	LUAD X	501 502	0.00	09	15.15	09	GL0B UNIF	MV 0 2
1021	LUAD Y	502 503	0.00	70	15.15	70	GL0B UNIF	MV 0 2
1022	LUAD Z	502 503	0.00	09	15.15	09	GL0B UNIF	MV 0 2
1023	LUAD X	503 505	0.00	30	15.15	30	GL0B UNIF	MV 0 2
1024	LUAD Y	503 505	0.00	17	15.15	17	GL0B UNIF	MV 0 2
1025	LUAD Z	503 505	0.00	09	15.15	07	GL0B UNIF	MV 0 2
1026	LUAD X	505 506	0.00	30	15.15	29	GL0B UNIF	MV 0 2
1027	LUAD Y	505 506	0.00	17	15.15	17	GL0B UNIF	MV 0 2
1028	LUAD Z	505 506	0.00	07	15.15	03	GL0B UNIF	MV 0 2
1029	LUAD X	501 504	0.00	30	15.15	30	GL0B UNIF	MV 0 2

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

U.S. NAVY - ACMR PLATFORMS - PLATFORM NU. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO. 1 2 3 4 5 6 7 8

1030	LUAD Y	501 504	0.00	17	15.15	17	GL0B UNIF	MV 0 2
1031	LUAD Y	501 504	0.00	07	15.15	07	GL0B UNIF	MV 0 2
1032	LUAD X	504 506	0.00	30	15.15	29	GL0B UNIF	MV 0 2
1033	LUAD Y	504 506	0.00	17	15.15	17	GL0B UNIF	MV 0 2
1034	LUAD Z	504 506	0.00	07	15.15	03	GL0B UNIF	MV 0 2
1035	LUAD X	502 504	0.00	24	15.15	24	GL0B UNIF	MV 0 2
1036	LUAD Y	502 504	0.00	14	15.15	14	GL0B UNIF	MV 0 2
1037	LUAD Z	502 504	0.00	06	15.15	04	GL0B UNIF	MV 0 2
1038	LUAD X	502 505	0.00	24	15.15	24	GL0B UNIF	MV 0 2
1039	LUAD Y	502 505	0.00	14	15.15	14	GL0B UNIF	MV 0 2
1040	LUAD Z	502 505	0.00	06	15.15	04	GL0B UNIF	MV 0 2
1041	LUAD X	504 505	0.00	55	15.14	55	GL0B UNIF	MV 0 2
1042	LUAD Y	504 505	0.00	04	15.14	04	GL0B UNIF	MV 0 2
1043	LUAD Z	501 513	0.00	25	3.00	25	GL0B UNIF	MV 0 2
1044	LUAD X	501 513	0.00	39	3.00	39	GL0B UNIF	MV 0 2
1045	LUAD Y	501 513	0.00	05	3.00	05	GL0B UNIF	MV 0 2
1046	LUAD Z	503 514	0.00	23	3.00	23	GL0B UNIF	MV 0 2
1047	LUAD X	503 514	0.00	39	3.00	39	GL0B UNIF	MV 0 2
1048	LUAD Y	503 514	0.00	05	3.00	05	GL0B UNIF	MV 0 2
1049	LUAD Z	503 514	0.00	174	6.00	153	GL0B UNIF	MV 0 2
1050	LUAD X	513 651	6.00	153	6.00	137	GL0B UNIF	MV 0 2
1051	LUAD Y	513 651	12.00	137	6.00	123	GL0B UNIF	MV 0 2
1052	LUAD Z	514 653	6.00	174	6.00	153	GL0B UNIF	MV 0 2
1053	LUAD X	514 653	6.00	153	6.00	137	GL0B UNIF	MV 0 2
1054	LUAD Y	514 653	12.00	137	6.00	123	GL0B UNIF	MV 0 2
1055	LUAD Z	603 613	0.00	06	6.00	07	GL0B UNIF	MV 0 2
1056	LUAD X	611 612	0.00	08	6.00	07	GL0B UNIF	MV 0 2
1057	LUAD Y	611 612	0.00	45	16.01	45	GL0B UNIF	MV 0 2
1058	LUAD Z	611 612	0.00	05	16.01	05	GL0B UNIF	MV 0 2
1059	LUAD X	612 613	0.00	45	16.01	45	GL0B UNIF	MV 0 2
1060	LUAD Y	612 613	0.00	05	16.01	05	GL0B UNIF	MV 0 2
1061	LUAD Z	612 613	0.00	81	17.75	81	GL0B UNIF	MV 0 2
1062	LUAD X	601 602	0.00	81	17.75	81	GL0B UNIF	MV 0 2
1063	LUAD Y	601 602	0.00	05	17.75	05	GL0B UNIF	MV 0 2
1064	LUAD Z	602 603	0.00	41	17.75	41	GL0B UNIF	MV 0 2
1065	LUAD X	611 601	0.00	05	17.75	05	GL0B UNIF	MV 0 2
1066	LUAD Y	611 601	0.00	04	6.06	04	GL0B UNIF	MV 0 2
1067	LUAD Z	611 601	0.00	104	6.06	98	GL0B UNIF	MV 0 2
1068	LUAD X	611 601	6.06	04	6.06	04	GL0B UNIF	MV 0 2
1069	LUAD Y	611 601	6.06	68	6.06	68	GL0B UNIF	MV 0 2
1070	LUAD Z	611 601	6.06	1	6.06	1	GL0B UNIF	MV 0 2
1071	LUAD X	612 602	0.00	74	6.00	66	GL0B UNIF	MV 0 2
1072	LUAD Y	612 602	6.00	66	6.00	59	GL0B UNIF	MV 0 2
1073	LUAD Z	613 603	0.00	04	6.06	04	GL0B UNIF	MV 0 2
1074	LUAD X	613 603	0.00	104	6.06	98	GL0B UNIF	MV 0 2
1075	LUAD Y	613 603	0.06	1	6.06	1	GL0B UNIF	MV 0 2
1076	LUAD Z	613 603	6.06	04	6.06	04	GL0B UNIF	MV 0 2
1077	LUAD X	613 603	6.06	98	6.06	88	GL0B UNIF	MV 0 2
1078	LUAD Y	613 603	6.06	1	6.06	1	GL0B UNIF	MV 0 2

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

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

LINE NO.	1	2	3	4	5	6	7	8
1079	LOAD X	501 642	0.00	03	10.12	03	03	02
1080	LOAD Y	501 642	0.00	87	10.12	77	77	02
1081	LOAD Z	501 642	0.00	12	10.12	11	11	02
1082	LOAD X	501 642	10.12	03	10.12	03	03	02
1083	LOAD Y	501 642	10.12	77	10.12	69	69	02
1084	LOAD Z	501 642	10.12	11	10.12	10	10	02
1085	LOAD X	503 645	0.00	26	6.75	23	23	02
1086	LOAD Y	503 645	0.00	36	6.75	33	33	02
1087	LOAD Z	503 645	0.00	28	6.75	26	26	02
1088	LOAD X	503 645	6.75	23	6.75	22	22	02
1089	LOAD Y	503 645	6.75	33	6.75	31	31	02
1090	LOAD Z	503 645	6.75	26	6.75	25	25	02
1091	LOAD X	503 645	13.50	22	6.75	20	20	02
1092	LOAD Y	503 645	13.50	31	6.75	29	29	02
1093	LOAD Z	503 645	13.50	25	6.75	23	23	02
1094	LOAD X	506 648	0.00	24	10.12	21	21	02
1095	LOAD Y	506 648	0.00	49	10.12	47	47	02
1096	LOAD Z	506 648	0.00	38	10.12	37	37	02
1097	LOAD X	506 648	10.12	21	10.12	18	18	02
1098	LOAD Y	506 648	10.12	47	10.12	43	43	02
1099	LOAD Z	506 648	10.12	37	10.12	35	35	02
1100	LOAD X	642 703	0.00	02	7.51	02	02	02
1101	LOAD Y	642 703	0.00	104	7.51	96	96	02
1102	LOAD Z	642 703	0.00	11	7.51	10	10	02
1103	LOAD X	642 703	7.51	02	7.51	02	02	02
1104	LOAD Y	642 703	7.51	96	7.51	89	89	02
1105	LOAD Z	642 703	7.51	10	7.51	10	10	02
1106	LOAD X	642 703	14.62	02	7.51	02	02	02
1107	LOAD Y	642 703	14.62	89	7.51	82	82	02
1108	LOAD Z	642 703	14.62	10	7.51	09	09	02
1109	LOAD X	645 706	0.00	29	7.51	26	26	02
1110	LOAD Y	645 706	0.00	45	7.51	42	42	02
1111	LOAD Z	645 706	0.00	38	7.51	36	36	02
1112	LOAD X	645 706	7.51	26	7.51	24	24	02
1113	LOAD Y	645 706	7.51	42	7.51	39	39	02
1114	LOAD Z	645 706	7.51	36	7.51	33	33	02
1115	LOAD X	645 706	14.62	24	7.51	21	21	02
1116	LOAD Y	645 706	14.62	39	7.51	36	36	02
1117	LOAD Z	645 706	14.62	33	7.51	31	31	02
1118	LOAD X	644 701	0.00	28	10.47	25	25	02
1119	LOAD Y	644 701	0.00	61	10.47	55	55	02
1120	LOAD Z	644 701	0.00	48	10.47	44	44	02
1121	LOAD X	644 701	10.47	25	10.47	22	22	02
1122	LOAD Y	644 701	10.47	55	10.47	49	49	02
1123	LOAD Z	644 701	10.47	44	10.47	34	34	02
1124	LOAD X	701 702	0.00	55	16.76	55	55	02
1125	LOAD Y	701 702	0.00	03	16.76	03	03	02
1126	LOAD Z	702 703	0.00	55	16.76	55	55	02
1127	LOAD X	702 703	0.00	03	16.76	03	03	02

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

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

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
1120	LJAU X 703 705	0.00=	24 18.76=	23	GL0B UNIF	MV 0 2		
1129	LJAU Y 703 705	0.00=	14 18.76=	14	GL0B UNIF	MV 0 2		
1130	LJAU Z 703 705	0.00=	03 18.76=	02	GL0B UNIF	MV 0 2		
1131	LJAU X 705 706	0.00=	23 18.75=	22	GL0B UNIF	MV 0 2		
1132	LJAU Y 705 706	0.00=	14 18.75=	13	GL0B UNIF	MV 0 2		
1133	LJAU Z 705 706	0.00=	02 18.75=	23	GL0B UNIF	MV 0 2		
1134	LJAU X 701 704	0.00=	24 18.76=	14	GL0B UNIF	MV 0 2		
1135	LJAU Y 701 704	0.00=	14 18.76=	02	GL0B UNIF	MV 0 2		
1136	LJAU Z 701 704	0.00=	03 18.76=	22	GL0B UNIF	MV 0 2		
1137	LJAU X 704 706	0.00=	23 18.75=	22	GL0B UNIF	MV 0 2		
1138	LJAU Y 704 706	0.00=	14 18.75=	13	GL0B UNIF	MV 0 2		
1139	LJAU Z 704 706	0.00=	02 18.75=	21	GL0B UNIF	MV 0 2		
1141	LJAU X 702 704	0.00=	21 18.76=	12	GL0B UNIF	MV 0 2		
1142	LJAU Y 702 704	0.00=	12 18.76=	07	GL0B UNIF	MV 0 2		
1143	LJAU Z 702 704	0.00=	06 18.76=	21	GL0B UNIF	MV 0 2		
1144	LJAU X 702 705	0.00=	21 18.76=	12	GL0B UNIF	MV 0 2		
1145	LJAU Y 702 705	0.00=	12 18.76=	07	GL0B UNIF	MV 0 2		
1146	LJAU Z 702 705	0.00=	08 18.76=	49	GL0B UNIF	MV 0 2		
1147	LJAU X 704 705	0.00=	49 18.76=	07	GL0B UNIF	MV 0 2		
1148	LJAU Y 704 705	0.00=	26 18.27=	23	GL0B UNIF	MV 0 2		
1149	LJAU Z 704 705	0.00=	31 18.27=	26	GL0B UNIF	MV 0 2		
1150	LJAU X 701 806	18.27	26 18.27=	19	GL0B UNIF	MV 0 2		
1151	LJAU Y 701 806	18.27	23 18.27=	25	GL0B UNIF	MV 0 2		
1152	LJAU Z 701 806	18.27	26 18.27=	25	GL0B UNIF	MV 0 2		
1153	LJAU X 701 806	18.27	23 18.27=	21	GL0B UNIF	MV 0 2		
1154	LJAU Y 701 806	32.55	19 18.27=	18	GL0B UNIF	MV 0 2		
1155	LJAU Z 701 806	32.55	25 18.27=	22	GL0B UNIF	MV 0 2		
1156	LJAU X 701 806	32.55	21 18.27=	19	GL0B UNIF	MV 0 2		
1157	LJAU Y 703 801	0.00=	02 18.28=	1	GL0B UNIF	MV 0 2		
1158	LJAU Z 703 801	0.00=	62 18.28=	71	GL0B UNIF	MV 0 2		
1159	LJAU X 703 801	0.00=	09 18.28=	08	GL0B UNIF	MV 0 2		
1160	LJAU Y 703 801	18.28=	1 18.28=	1	GL0B UNIF	MV 0 2		
1161	LJAU Z 703 801	18.28=	71 18.28=	63	GL0B UNIF	MV 0 2		
1162	LJAU X 703 801	18.28=	08 18.28=	07	GL0B UNIF	MV 0 2		
1163	LJAU Y 703 801	32.55=	1 18.28=	1	GL0B UNIF	MV 0 2		
1164	LJAU Z 703 801	32.55=	63 18.28=	59	GL0B UNIF	MV 0 2		
1165	LJAU X 706 803	32.55=	07 18.28=	06	GL0B UNIF	MV 0 2		
1166	LJAU Y 706 803	0.00=	25 18.28=	22	GL0B UNIF	MV 0 2		
1167	LJAU Z 706 803	0.00=	41 18.28=	39	GL0B UNIF	MV 0 2		
1168	LJAU X 706 803	0.00=	33 18.28=	33	GL0B UNIF	MV 0 2		
1169	LJAU Y 706 803	18.28=	22 18.28=	19	GL0B UNIF	MV 0 2		
1170	LJAU Z 706 803	18.28=	39 18.28=	34	GL0B UNIF	MV 0 2		
1171	LJAU X 706 803	32.55=	33 18.28=	29	GL0B UNIF	MV 0 2		
1172	LJAU Y 706 803	32.55=	19 18.28=	16	GL0B UNIF	MV 0 2		
1173	LJAU Z 706 803	32.55=	54 18.28=	30	GL0B UNIF	MV 0 2		
1174	LJAU X 701 802	0.00=	29 18.28=	25	GL0B UNIF	MV 0 2		
1175	LJAU Y 701 802	0.00=	37 22.51=	37	GL0B UNIF	MV 0 2		
1176	LJAU Z 701 802	0.00=	02 22.51=	02	GL0B UNIF	MV 0 2		

STRAN INPUT DATA

U.S. NAVY - ACMN PLATFORMS - PLATFORM NU. 2 - HML 93.0 FEET - 50 YR STORM

LINE NO.	1	2	3	4	5	6	7	8
1177	LJAU Y	R02 R03	0.00	37	22.51	37	GL0B UNIF	MV 0 2
1178	LJAU Z	R02 R03	0.00	02	22.51	02	GL0B UNIF	MV 0 2
1179	LJAU X	R03 R05	0.00	16	22.51	16	GL0H UNIF	MV 0 2
1180	LJAU Y	R03 R05	0.00	09	22.51	09	GL0B UNIF	MV 0 2
1181	LJAU Z	R03 R05	0.00	02	22.51	02	GL0B UNIF	MV 0 2
1182	LJAU X	R05 R06	0.00	16	11.25	15	GL0B UNIF	MV 0 2
1183	LJAU Y	R05 R06	0.00	09	11.25	09	GL0B UNIF	MV 0 2
1184	LJAU Z	R05 R06	0.00	02	11.25	01	GL0B UNIF	MV 0 2
1185	LJAU A	R05 R06	11.25	15	11.25	15	GL0B UNIF	MV 0 2
1186	LJAU Y	R05 R06	11.25	09	11.25	08	GL0B UNIF	MV 0 2
1187	LJAU Z	R05 R06	11.25	01	11.25	01	GL0B UNIF	MV 0 2
1188	LJAU A	R01 R04	0.00	19	22.51	16	GL0B UNIF	MV 0 2
1189	LJAU Y	R01 R04	0.00	09	22.51	09	GL0B UNIF	MV 0 2
1190	LJAU Z	R01 R04	0.00	02	22.51	02	GL0B UNIF	MV 0 2
1191	LJAU A	R04 R06	0.00	16	11.25	15	GL0B UNIF	MV 0 2
1192	LJAU Y	R04 R06	0.00	09	11.25	09	GL0B UNIF	MV 0 2
1193	LJAU Z	R04 R06	0.00	02	11.25	01	GL0B UNIF	MV 0 2
1194	LJAU A	R04 R06	11.25	15	11.25	15	GL0B UNIF	MV 0 2
1195	LJAU Y	R04 R06	11.25	09	11.25	08	GL0B UNIF	MV 0 2
1196	LJAU Z	R04 R06	11.25	01	11.25	01	GL0B UNIF	MV 0 2
1197	LJAU A	R02 R04	0.00	14	22.52	14	GL0B UNIF	MV 0 2
1198	LJAU Y	R02 R04	0.00	08	22.52	08	GL0B UNIF	MV 0 2
1199	LJAU Z	R02 R04	0.00	05	22.52	04	GL0B UNIF	MV 0 2
1200	LJAU A	R02 R05	0.00	14	22.52	14	GL0B UNIF	MV 0 2
1201	LJAU Y	R02 R05	0.00	08	22.52	08	GL0B UNIF	MV 0 2
1202	LJAU Z	R02 R05	0.00	05	22.52	04	GL0B UNIF	MV 0 2
1203	LJAU A	R04 R05	0.00	33	22.52	33	GL0B UNIF	MV 0 2
1204	LJAU Z	R04 R05	0.00	04	22.52	04	GL0B UNIF	MV 0 2
1205	LJAU X	R01 R03	0.00	1	16.64	1	GL0B UNIF	MV 0 2
1206	LJAU Y	R01 R03	0.00	55	16.64	49	GL0B UNIF	MV 0 2
1207	LJAU Z	R01 R03	0.00	06	16.64	05	GL0B UNIF	MV 0 2
1208	LJAU X	R01 R03	16.64	49	16.64	44	GL0B UNIF	MV 0 2
1209	LJAU Y	R01 R03	16.64	05	16.64	04	GL0B UNIF	MV 0 2
1210	LJAU Z	R01 R03	37.28	44	16.64	40	GL0B UNIF	MV 0 2
1211	LJAU A	R01 R03	37.28	04	16.64	03	GL0B UNIF	MV 0 2
1212	LJAU X	R03 R06	0.00	19	16.64	17	GL0B UNIF	MV 0 2
1213	LJAU Y	R03 R06	0.00	19	16.64	18	GL0B UNIF	MV 0 2
1214	LJAU Z	R03 R06	0.00	16	16.64	15	GL0B UNIF	MV 0 2
1215	LJAU A	R03 R06	16.64	17	16.64	15	GL0B UNIF	MV 0 2
1216	LJAU X	R03 R06	16.64	16	16.64	17	GL0B UNIF	MV 0 2
1217	LJAU Y	R03 R06	16.64	15	16.64	14	GL0B UNIF	MV 0 2
1218	LJAU Z	R03 R06	37.28	15	16.64	13	GL0B UNIF	MV 0 2
1219	LJAU A	R03 R06	37.28	17	16.64	15	GL0B UNIF	MV 0 2
1220	LJAU X	R03 R06	37.28	14	16.64	14	GL0B UNIF	MV 0 2
1221	LJAU Y	R03 R06	0.00	16	16.64	17	GL0B UNIF	MV 0 2
1222	LJAU Z	R03 R06	0.00	20	16.64	25	GL0B UNIF	MV 0 2
1223	LJAU A	R05 R01	0.00	22	16.64	21	GL0B UNIF	MV 0 2
1224	LJAU X	R05 R01	16.64	17	16.64	15	GL0B UNIF	MV 0 2
1225	LJAU Y	R05 R01	16.64	25	16.64	22	GL0B UNIF	MV 0 2

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

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

LINE NO. 1 2 3 4 5 6 7 8

1226	LJAU Z	806 901	18.64=	21	18.64=	19	GL08 UNIF	MV 0 2
1227	LJAU X	806 901	37.28	15	18.64	13	GL08 UNIF	MV 0 2
1228	LJAU Y	802 901	37.28	22	18.64	20	GL08 UNIF	MV 0 2
1229	LJAU Z	806 901	37.28=	14	18.64=	17	GL08 UNIF	MV 0 2
1230	LJAU Y	801 902	0.00	30	26.41	30	GL08 UNIF	MV 0 2
1231	LJAU Z	801 902	0.00=	1	26.41=	1	GL08 UNIF	MV 0 2
1232	LJAU Y	802 903	0.00	30	26.41	30	GL08 UNIF	MV 0 2
1233	LJAU Z	802 903	0.00=	1	26.41=	1	GL08 UNIF	MV 0 2
1234	LJAU X	803 905	0.00=	13	26.41=	13	GL08 UNIF	MV 0 2
1235	LJAU Y	803 905	0.00	07	26.41	07	GL08 UNIF	MV 0 2
1236	LJAU Z	803 905	0.00=	1	26.41=	1	GL08 UNIF	MV 0 2
1237	LJAU X	805 906	0.00=	13	26.41=	12	GL08 UNIF	MV 0 2
1238	LJAU Y	805 906	0.00	07	26.41	07	GL08 UNIF	MV 0 2
1239	LJAU Z	805 906	0.00=	1	26.41=	1	GL08 UNIF	MV 0 2
1240	LJAU X	801 904	0.00	13	26.41	13	GL08 UNIF	MV 0 2
1241	LJAU Y	801 904	0.00	07	26.41	07	GL08 UNIF	MV 0 2
1242	LJAU Z	801 904	0.00=	1	26.41=	1	GL08 UNIF	MV 0 2
1243	LJAU X	804 906	0.00	13	26.41	12	GL08 UNIF	MV 0 2
1244	LJAU Y	804 906	0.00	07	26.41	07	GL08 UNIF	MV 0 2
1245	LJAU Z	804 906	0.00=	1	26.41=	1	GL08 UNIF	MV 0 2
1246	LJAU X	802 904	0.00=	10	26.41=	11	GL08 UNIF	MV 0 2
1247	LJAU Y	802 904	0.00	06	26.41	06	GL08 UNIF	MV 0 2
1248	LJAU Z	802 904	0.00=	02	26.41=	02	GL08 UNIF	MV 0 2
1249	LJAU X	802 905	0.00	10	26.41	11	GL08 UNIF	MV 0 2
1250	LJAU Y	802 905	0.00	06	26.41	06	GL08 UNIF	MV 0 2
1251	LJAU Z	802 905	0.00=	02	26.41=	02	GL08 UNIF	MV 0 2
1252	LJAU X	804 905	0.00	25	26.40	25	GL08 UNIF	MV 0 2
1253	LJAU Y	804 905	0.00=	02	26.40=	02	GL08 UNIF	MV 0 2
1254	LJAU Z	804 905	0.00	33	12.61	31	GL08 UNIF	MV 0 2
1255	LJAU X	8011002	0.00	02	12.61=	02	GL08 UNIF	MV 0 2
1256	LJAU Y	8011002	0.00=	1	12.61=	1	GL08 UNIF	MV 0 2
1257	LJAU Z	8011002	12.61	31	12.61	26	GL08 UNIF	MV 0 2
1258	LJAU X	8011002	0.00	02	12.61=	02	GL08 UNIF	MV 0 2
1259	LJAU Y	8011002	12.61	02	12.61	1	GL08 UNIF	MV 0 2
1260	LJAU Z	8011002	25.22=	1	12.61	02	GL08 UNIF	MV 0 2
1261	LJAU X	8011002	25.22=	26	12.61	02	GL08 UNIF	MV 0 2
1262	LJAU Y	8011002	0.00	1	12.61	1	GL08 UNIF	MV 0 2
1263	LJAU Z	8031002	0.00	33	12.61	31	GL08 UNIF	MV 0 2
1264	LJAU X	8031002	0.00=	02	12.61=	02	GL08 UNIF	MV 0 2
1265	LJAU Y	8031002	12.61	1	12.61	1	GL08 UNIF	MV 0 2
1266	LJAU Z	8031002	12.61	31	12.61	26	GL08 UNIF	MV 0 2
1267	LJAU X	8031002	12.61	02	12.61	1	GL08 UNIF	MV 0 2
1268	LJAU Y	8031002	12.61=	02	12.61=	1	GL08 UNIF	MV 0 2
1269	LJAU Z	8031002	25.22	26	12.61	02	GL08 UNIF	MV 0 2
1270	LJAU X	8031002	25.22=	1	12.61	06	GL08 UNIF	MV 0 2
1271	LJAU Y	8031002	25.22=	07	12.61=	16	GL08 UNIF	MV 0 2
1272	LJAU Z	8031005	0.00	19	12.61	14	GL08 UNIF	MV 0 2
1273	LJAU X	8031005	0.00	14	12.61	14	GL08 UNIF	MV 0 2
1274	LJAU Y	8031005	0.00	14	12.61	14	GL08 UNIF	MV 0 2



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U.S. NAVY - ACMR PLATFORMS - PLATFORM NU, 2 - MHL 93.0 FEET - 50 YR STORM

LINE NO.	1	2	3	4	5	6	7	8
1275	LUAD X 9031005	12.01	06	12.01	05	GL0B UNIF	MV 0 2	
1276	LUAD Y 9031005	12.01	10	12.01	10	GL0B UNIF	MV 0 2	
1277	LUAD Z 9031005	12.01	14	12.01	12	GL0B UNIF	MV 0 2	
1278	LUAD X 9031005	25.23	05	12.01	02	GL0B UNIF	MV 0 2	
1279	LUAD Y 9031005	25.23	10	12.01	02	GL0B UNIF	MV 0 2	
1280	LUAD Z 9031005	25.23	12	12.01	02	GL0B UNIF	MV 0 2	
1281	LUAD X 9061005	0.00	07	12.01	07	GL0B UNIF	MV 0 2	
1282	LUAD Y 9061005	0.00	22	12.01	21	GL0B UNIF	MV 0 2	
1283	LUAD Z 9061005	0.00	13	12.01	13	GL0B UNIF	MV 0 2	
1284	LUAD X 9061005	12.01	07	12.01	06	GL0B UNIF	MV 0 2	
1285	LUAD Y 9061005	12.01	21	12.01	10	GL0B UNIF	MV 0 2	
1286	LUAD Z 9061005	12.01	13	12.01	11	GL0B UNIF	MV 0 2	
1287	LUAD X 9091005	25.22	06	12.01	02	GL0B UNIF	MV 0 2	
1288	LUAD Y 9091005	25.22	10	12.01	02	GL0B UNIF	MV 0 2	
1289	LUAD Z 9091005	25.22	11	12.01	02	GL0B UNIF	MV 0 2	
1290	LUAD X 9011004	0.00	07	12.01	06	GL0B UNIF	MV 0 2	
1291	LUAD Y 9011004	0.00	19	12.01	16	GL0B UNIF	MV 0 2	
1292	LUAD Z 9011004	0.00	14	12.01	14	GL0B UNIF	MV 0 2	
1293	LUAD X 9011004	12.01	06	12.01	05	GL0B UNIF	MV 0 2	
1294	LUAD Y 9011004	12.01	10	12.01	05	GL0B UNIF	MV 0 2	
1295	LUAD Z 9011004	12.01	14	12.01	12	GL0B UNIF	MV 0 2	
1296	LUAD X 9011004	25.23	05	12.01	02	GL0B UNIF	MV 0 2	
1297	LUAD Y 9011004	25.23	10	12.01	02	GL0B UNIF	MV 0 2	
1298	LUAD Z 9011004	25.23	12	12.01	02	GL0B UNIF	MV 0 2	
1299	LUAD X 9061004	0.00	07	12.01	07	GL0B UNIF	MV 0 2	
1300	LUAD Y 9061004	0.00	22	12.01	21	GL0B UNIF	MV 0 2	
1301	LUAD Z 9061004	0.00	13	12.01	13	GL0B UNIF	MV 0 2	
1302	LUAD X 9061004	12.01	07	12.01	06	GL0B UNIF	MV 0 2	
1303	LUAD Y 9061004	12.01	21	12.01	10	GL0B UNIF	MV 0 2	
1304	LUAD Z 9061004	12.01	13	12.01	11	GL0B UNIF	MV 0 2	
1305	LUAD X 9061004	25.22	06	12.01	02	GL0B UNIF	MV 0 2	
1306	LUAD Y 9061004	25.22	10	12.01	02	GL0B UNIF	MV 0 2	
1307	LUAD Z 9061004	25.22	11	12.01	02	GL0B UNIF	MV 0 2	
1308	LUAD X 10011002	0.00	02	30.31	02	GL0B UNIF	MV 0 2	
1309	LUAD Y 10011002	0.00	02	30.31	02	GL0B UNIF	MV 0 2	
1310	LUAD Z 10011002	0.00	02	30.31	02	GL0B UNIF	MV 0 2	
1311	LUAD X 10031005	0.00	02	30.31	02	GL0B UNIF	MV 0 2	
1312	LUAD Y 10031005	0.00	02	30.31	02	GL0B UNIF	MV 0 2	
1313	LUAD Z 10031005	0.00	02	30.31	02	GL0B UNIF	MV 0 2	
1314	LUAD X 10031005	10.10	02	30.31	02	GL0B UNIF	MV 0 2	
1315	LUAD Y 10031005	10.10	02	30.31	02	GL0B UNIF	MV 0 2	
1316	LUAD Z 10031005	10.10	02	30.31	02	GL0B UNIF	MV 0 2	
1317	LUAD X 10051006	0.00	02	30.31	02	GL0B UNIF	MV 0 2	
1318	LUAD Y 10051006	0.00	02	30.31	02	GL0B UNIF	MV 0 2	
1319	LUAD Z 10051006	0.00	02	30.31	02	GL0B UNIF	MV 0 2	
1320	LUAD X 10051006	10.10	02	30.31	02	GL0B UNIF	MV 0 2	
1321	LUAD Y 10051006	10.10	02	30.31	02	GL0B UNIF	MV 0 2	
1322	LUAD Z 10051006	10.10	02	30.31	02	GL0B UNIF	MV 0 2	
1323	LUAD X 10011004	0.00	02	30.31	02	GL0B UNIF	MV 0 2	

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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
1324	LJ40 X 10011004	10.10	1	10.10	02	GL0B UNIF	MV 0 2	
1325	LJ40 Y 10011004	10.10	1	10.10	1	GL0B UNIF	MV 0 2	
1326	LJ40 X 10011004	20.21	02	10.10	02	GL0B UNIF	MV 0 2	
1327	LJ40 Y 10011004	20.21	1	10.10	1	GL0B UNIF	MV 0 2	
1328	LJ40 X 10041006	0.00	02	10.10	02	GL0B UNIF	MV 0 2	
1329	LJ40 Y 10041006	0.00	1	10.10	1	GL0B UNIF	MV 0 2	
1330	LJ40 X 10041006	10.10	02	10.10	03	GL0B UNIF	MV 0 2	
1331	LJ40 Y 10041006	10.10	1	10.10	02	GL0B UNIF	MV 0 2	
1332	LJ40 X 10041006	20.20	03	10.10	03	GL0B UNIF	MV 0 2	
1333	LJ40 Y 10041006	20.20	02	10.10	02	GL0B UNIF	MV 0 2	
1334	LJ40 X 10021004	0.00-	1	15.15-	1	GL0B UNIF	MV 0 2	
1335	LJ40 Y 10021004	15.15-	1	15.15-	1	GL0B UNIF	MV 0 2	
1336	LJ40 X 10021004	15.15	1	15.15	1	GL0B UNIF	MV 0 2	
1337	LJ40 Y 10021005	0.00	1	15.15	1	GL0B UNIF	MV 0 2	
1338	LJ40 X 10021005	15.15	1	15.15	1	GL0B UNIF	MV 0 2	
1339	LJ40 Y 10021005	15.15	03	30.30	03	GL0B UNIF	MV 0 2	
1340	LJ40 X 10041005	0.00	03	30.30	03	GL0B UNIF	MV 0 2	
1341	LJ40 Y 201 301	6.44	95	2.65	131	GL0B UNIF	MV 0 2	
1342	LJ40 X 201 301	9.29	131	2.65	167	GL0B UNIF	MV 0 2	
1343	LJ40 Y 201 301	12.15	167	2.65	190	GL0B UNIF	MV 0 2	
1344	LJ40 X 203 303	6.44	95	2.65	131	GL0B UNIF	MV 0 2	
1345	LJ40 Y 203 303	9.29	131	2.65	167	GL0B UNIF	MV 0 2	
1346	LJ40 X 203 303	12.15	167	2.65	190	GL0B UNIF	MV 0 2	
1347	LJ40 Y 301 401	0.00	190	9.50	238	GL0B UNIF	MV 0 2	
1348	LJ40 X 301 401	9.50	238	9.50	206	GL0B UNIF	MV 0 2	
1349	LJ40 Y 301 401	14.00	206	9.50	143	GL0B UNIF	MV 0 2	
1350	LJ40 X 303 403	0.00	190	9.50	238	GL0B UNIF	MV 0 2	
1351	LJ40 Y 303 403	9.50	238	9.50	206	GL0B UNIF	MV 0 2	
1352	LJ40 X 303 403	14.00	206	9.50	143	GL0B UNIF	MV 0 2	
1353	LJ40 Y 306 406	0.00	205	9.50	210	GL0B UNIF	MV 0 2	
1354	LJ40 X 306 406	9.50	210	9.50	148	GL0B UNIF	MV 0 2	
1355	LJ40 Y 401 501	0.00-	09	4.56-	09	GL0B UNIF	MV 0 2	
1356	LJ40 X 401 501	0.00	234	4.56	214	GL0B UNIF	MV 0 2	
1357	LJ40 Y 401 501	0.00-	21	4.56-	19	GL0B UNIF	MV 0 2	
1358	LJ40 X 403 503	0.00	09	4.56	09	GL0B UNIF	MV 0 2	
1359	LJ40 Y 403 503	0.00	234	4.56	214	GL0B UNIF	MV 0 2	
1360	LJ40 X 403 503	0.00-	21	4.56-	19	GL0B UNIF	MV 0 2	
1361	LJ40 Y 406 506	0.00	240	4.56	220	GL0B UNIF	MV 0 2	
1362	LJ40 X 406 506	0.00	40	4.56	37	GL0B UNIF	MV 0 2	
1363	LJ40 Y 501 601	0.00-	09	3.04-	06	GL0B UNIF	MV 0 2	
1364	LJ40 X 501 601	3.04	214	3.04	200	GL0B UNIF	MV 0 2	
1365	LJ40 Y 501 601	0.00-	14	3.04-	16	GL0B UNIF	MV 0 2	
1366	LJ40 X 501 601	3.04	200	3.04	186	GL0B UNIF	MV 0 2	
1367	LJ40 Y 503 603	0.00	16	3.04-	17	GL0B UNIF	MV 0 2	
1368	LJ40 X 503 603	0.00	09	3.04	08	GL0B UNIF	MV 0 2	
1369	LJ40 Y 503 603	0.00	214	3.04	200	GL0B UNIF	MV 0 2	
1370	LJ40 X 503 603	0.00-	19	3.04-	16	GL0B UNIF	MV 0 2	
1371	LJ40 Y 503 603	0.00	19	3.04-	16	GL0B UNIF	MV 0 2	
1372	LJ40 X 503 603	0.00-	19	3.04-	16	GL0B UNIF	MV 0 2	

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LINE NO.	1	2	3	4	5	6	7	8
1373	LJAU X	503 603	3.04	08	3.04	08	GL0B UNIF	MV 0 2
1374	LJAU Y	503 603	3.04	200	3.04	188	GL0B UNIF	MV 0 2
1375	LJAU Z	503 603	3.04	18	3.04	17	GL0B UNIF	MV 0 2
1376	LJAU X	506 606	0.00	220	3.04	207	GL0B UNIF	MV 0 2
1377	LJAU Y	506 606	0.00	36	3.04	34	GL0B UNIF	MV 0 2
1378	LJAU Z	506 606	3.04	207	3.04	195	GL0B UNIF	MV 0 2
1379	LJAU X	506 606	3.04	34	3.04	32	GL0B UNIF	MV 0 2
1380	LJAU Y	501 641	0.00	08	3.04	08	GL0B UNIF	MV 0 2
1381	LJAU Z	501 641	0.00	188	3.04	176	GL0B UNIF	MV 0 2
1382	LJAU X	501 641	0.00	17	3.04	16	GL0B UNIF	MV 0 2
1383	LJAU Y	501 641	3.04	08	3.04	08	GL0B UNIF	MV 0 2
1384	LJAU Z	501 641	3.04	178	3.04	168	GL0B UNIF	MV 0 2
1385	LJAU X	503 643	3.04	16	3.04	15	GL0B UNIF	MV 0 2
1386	LJAU Y	503 643	0.00	08	3.04	08	GL0B UNIF	MV 0 2
1387	LJAU Z	503 643	0.00	188	3.04	178	GL0B UNIF	MV 0 2
1388	LJAU X	503 643	0.00	17	3.04	16	GL0B UNIF	MV 0 2
1389	LJAU Y	503 643	3.04	08	3.04	08	GL0B UNIF	MV 0 2
1390	LJAU Z	503 643	3.04	178	3.04	168	GL0B UNIF	MV 0 2
1391	LJAU X	505 645	3.04	16	3.04	15	GL0B UNIF	MV 0 2
1392	LJAU Y	505 645	0.00	195	6.04	175	GL0B UNIF	MV 0 2
1393	LJAU Z	504 644	0.00	33	0.08	29	GL0B UNIF	MV 0 2
1394	LJAU X	501 651	0.00	17	3.04	17	GL0B UNIF	MV 0 2
1395	LJAU Y	501 651	0.00	245	3.04	231	GL0B UNIF	MV 0 2
1396	LJAU Z	501 651	0.00	23	3.04	22	GL0B UNIF	MV 0 2
1397	LJAU X	501 651	3.04	17	3.04	16	GL0B UNIF	MV 0 2
1398	LJAU Y	501 651	3.04	231	3.04	219	GL0B UNIF	MV 0 2
1399	LJAU Z	501 651	3.04	22	3.04	20	GL0B UNIF	MV 0 2
1400	LJAU X	503 653	0.00	17	3.04	17	GL0B UNIF	MV 0 2
1401	LJAU Y	503 653	0.00	245	3.04	231	GL0B UNIF	MV 0 2
1402	LJAU Z	503 653	0.00	23	3.04	22	GL0B UNIF	MV 0 2
1403	LJAU X	503 653	3.04	17	3.04	16	GL0B UNIF	MV 0 2
1404	LJAU Y	503 653	3.04	231	3.04	219	GL0B UNIF	MV 0 2
1405	LJAU Z	503 653	3.04	22	3.04	20	GL0B UNIF	MV 0 2
1406	LJAU X	506 656	0.00	275	6.04	269	GL0B UNIF	MV 0 2
1407	LJAU Y	506 656	0.00	48	6.04	41	GL0B UNIF	MV 0 2
1408	LJAU Z	501 701	0.00	16	3.55	15	GL0B UNIF	MV 0 2
1409	LJAU X	501 701	0.00	219	3.55	205	GL0B UNIF	MV 0 2
1410	LJAU Y	501 701	0.00	20	3.55	19	GL0B UNIF	MV 0 2
1411	LJAU Z	501 701	3.55	15	3.55	14	GL0B UNIF	MV 0 2
1412	LJAU X	501 701	3.55	205	3.55	191	GL0B UNIF	MV 0 2
1413	LJAU Y	501 701	3.55	19	3.55	18	GL0B UNIF	MV 0 2
1414	LJAU Z	503 703	0.00	18	3.55	15	GL0B UNIF	MV 0 2
1415	LJAU X	503 703	0.00	219	3.55	205	GL0B UNIF	MV 0 2
1416	LJAU Y	503 703	0.00	20	3.55	19	GL0B UNIF	MV 0 2
1417	LJAU Z	503 703	3.55	15	3.55	14	GL0B UNIF	MV 0 2
1418	LJAU X	503 703	3.55	205	3.55	191	GL0B UNIF	MV 0 2
1419	LJAU Y	503 703	3.55	19	3.55	18	GL0B UNIF	MV 0 2
1420	LJAU Z	506 706	0.00	249	3.55	236	GL0B UNIF	MV 0 2
1421	LJAU X	506 706	0.00	42	3.55	39	GL0B UNIF	MV 0 2



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LINE NO.	1	2	3	4	5	6	7	8
1471	LUAV Z	806 906	18.25	21	9.12	20	GL0B UNIF	MV 0 2
1472	LUAV X	9011001	0.00	03	9.12	02	GL0B UNIF	MV 0 2
1473	LUAV Y	9011001	9.00	84	9.12	76	GL0B UNIF	MV 0 2
1474	LUAV Z	9011001	0.00	07	9.12	07	GL0B UNIF	MV 0 2
1475	LUAV X	9011001	9.12	02	9.12	1	GL0B UNIF	MV 0 2
1476	LUAV Y	9011001	9.12	76	9.12	63	GL0B UNIF	MV 0 2
1477	LUAV Z	9011001	9.12	07	9.12	05	GL0B UNIF	MV 0 2
1478	LUAV X	9011001	18.25	1	9.12		GL0B UNIF	MV 0 2
1479	LUAV Y	9011001	18.25	63	8.74		GL0B UNIF	MV 0 2
1480	LUAV Z	9011001	26.96		.59	03	GL0B UNIF	MV 0 2
1481	LUAV X	9031003	0.00	05	8.79		GL0B UNIF	MV 0 2
1482	LUAV Y	9031003	0.00	03	9.12	02	GL0B UNIF	MV 0 2
1483	LUAV Z	9031003	0.00	84	9.12	76	GL0B UNIF	MV 0 2
1484	LUAV X	9031003	0.00	07	9.12	07	GL0B UNIF	MV 0 2
1485	LUAV Y	9031003	9.12	02	9.12	1	GL0B UNIF	MV 0 2
1486	LUAV Z	9031003	9.12	76	9.12	63	GL0B UNIF	MV 0 2
1487	LUAV X	9031003	9.12	07	9.12	05	GL0B UNIF	MV 0 2
1488	LUAV Y	9031003	18.25	1	9.12		GL0B UNIF	MV 0 2
1489	LUAV Z	9031003	18.25	63	8.74		GL0B UNIF	MV 0 2
1490	LUAV X	9031003	26.96		.59	03	GL0B UNIF	MV 0 2
1491	LUAV Y	9061006	0.00	116	9.12	111	GL0B UNIF	MV 0 2
1492	LUAV Z	9061006	0.00	20	9.12	19	GL0B UNIF	MV 0 2
1493	LUAV X	9061006	9.12	111	9.12	101	GL0B UNIF	MV 0 2
1494	LUAV Y	9061006	9.12	19	9.12	17	GL0B UNIF	MV 0 2
1495	LUAV Z	9061006	18.25	101	9.12	47	GL0B UNIF	MV 0 2
1496	LUAV X	9061006	18.25	17	9.12	08	GL0B UNIF	MV 0 2
1497	LUAV Y	9061006						
1498	LUAV Z	9061006						
1499	LUAV X	401 510	0.00	67		GL0B CUNC	MN 0 3	
1500	LUAV Y	401 510			0.00= 35120	GL0B MMT	MN 0 3	
1501	LUAV Z	401 510	0.00	117		GL0B CUNC	MN 0 3	
1502	LUAV X	401 510			0.00 60830	GL0B MMT	MN 0 3	
1503	LUAV Y	403 511	0.00	67		GL0B CUNC	MN 0 3	
1504	LUAV Z	403 511			0.00= 35120	GL0B MMT	MN 0 3	
1505	LUAV X	403 511	0.00	117		GL0B CUNC	MN 0 3	
1506	LUAV Y	403 511			0.00 60830	GL0B MMT	MN 0 3	
1507	LUAV Z	406 512	0.00	67		GL0B CUNC	MN 0 3	
1508	LUAV X	406 512			0.00= 35120	GL0B MMT	MN 0 3	
1509	LUAV Y	406 512	0.00	117		GL0B CUNC	MN 0 3	
1510	LUAV Z	406 512			0.00 60830	GL0B MMT	MN 0 3	
1511	LUAV X	401 510	0.00	163		GL0B CUNC	MN 0 3	
1512	LUAV Y	401 510			0.00= 94760	GL0B MMT	MN 0 3	
1513	LUAV Z	401 510	0.00	282		GL0B CUNC	MN 0 3	
1514	LUAV X	401 510			0.00 164129	GL0B MMT	MN 0 3	
1515	LUAV Y	403 511	0.00	163		GL0B CUNC	MN 0 3	
1516	LUAV Z	403 511			0.00= 94760	GL0B MMT	MN 0 3	
1517	LUAV X	403 511	0.00	282		GL0B CUNC	MN 0 3	
1518	LUAV Y	403 511			0.00 164129	GL0B MMT	MN 0 3	
1519	LUAV Z	406 512	0.00	163		GL0B CUNC	MN 0 3	

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

U.S. NAVY - ACMR PLATFORMS - PLATFORM NU. 2 - MWL 93.0 FEET - 50 YK STORM

LINE NO.	1	2	3	4	5	6	7	8
1520	LUAV Y 406 512	0.00=	282		0.00= 94760	GL08	MDMT	MN 0 3
1521	LUAV X 406 512					GL08	CONC	MN 0 3
1522	LUAV X 406 512				0.00= 164124	GL08	MDMT	MN 0 3
1523	LUAV X 201 303	21.65	06	3.01		GL08	UNIF	MV 0 3
1524	LUAV A 201 303	24.66		.66=	1	GL08	UNIF	MV 0 3
1525	LUAV Y 201 303	21.65=	108	3.67=	168	GL08	UNIF	MV 0 3
1526	LUAV Z 201 303	21.65=	15	3.02		GL08	UNIF	MV 0 3
1527	LUAV Z 201 303	24.66		.65	03	GL08	UNIF	MV 0 3
1528	LUAV A 201 303	22.31=	1	3.67=	09	GL08	UNIF	MV 0 3
1529	LUAV Y 201 303	25.31=	168	3.67=	226	GL08	UNIF	MV 0 3
1530	LUAV Z 201 303	25.31	03	3.67	17	GL08	UNIF	MV 0 3
1531	LUAV A 201 303	28.98=	03	3.67=	11	GL08	UNIF	MV 0 3
1532	LUAV Y 201 303	28.98=	226	3.67=	238	GL08	UNIF	MV 0 3
1533	LUAV Z 201 303	26.98	17	3.67	21	GL08	UNIF	MV 0 3
1534	LUAV A 203 306	20.74=	38	11.67=	39	GL08	UNIF	MV 0 3
1535	LUAV Y 203 306	20.74=	68	11.67=	68	GL08	UNIF	MV 0 3
1536	LUAV Z 203 306	20.76=	148	11.67=	152	GL08	UNIF	MV 0 3
1537	LUAV A 206 301	17.24=	120	5.13=	167	GL08	UNIF	MV 0 3
1538	LUAV Y 206 301	17.24=	45	5.13=	81	GL08	UNIF	MV 0 3
1539	LUAV Z 206 301	17.24=	40	5.13=	26	GL08	UNIF	MV 0 3
1540	LUAV X 206 301	22.34=	167	5.13=	191	GL08	UNIF	MV 0 3
1541	LUAV Y 206 301	22.38=	81	5.13=	101	GL08	UNIF	MV 0 3
1542	LUAV Z 206 301	22.38=	26	5.13=	15	GL08	UNIF	MV 0 3
1543	LUAV A 206 301	27.51=	191	5.13=	207	GL08	UNIF	MV 0 3
1544	LUAV Y 206 301	27.51=	101	5.13=	117	GL08	UNIF	MV 0 3
1545	LUAV Z 206 301	27.51=	15	5.13=	05	GL08	UNIF	MV 0 3
1546	LUAV X 301 403	0.00=	25	13.55=	35	GL08	UNIF	MV 0 3
1547	LUAV Y 301 403	0.00=	129	13.55=	159	GL08	UNIF	MV 0 3
1548	LUAV Z 301 403	0.00=	25	13.55=	36	GL08	UNIF	MV 0 3
1549	LUAV A 301 403	13.55=	55	13.55=	33	GL08	UNIF	MV 0 3
1550	LUAV Y 301 403	13.55=	159	13.55=	146	GL08	UNIF	MV 0 3
1551	LUAV Z 301 403	13.55	36	13.55	33	GL08	UNIF	MV 0 3
1552	LUAV A 301 403	27.11=	35	13.55=	21	GL08	UNIF	MV 0 3
1553	LUAV Y 301 403	27.11=	146	13.55=	102	GL08	UNIF	MV 0 3
1554	LUAV Z 301 403	27.11	35	13.55	22	GL08	UNIF	MV 0 3
1555	LUAV A 301 303	0.00=	112	14.50=	106	GL08	UNIF	MV 0 3
1556	LUAV Y 301 303	0.00=	17	14.50=	11	GL08	UNIF	MV 0 3
1557	LUAV Z 301 303	14.50=	106	14.50=	100	GL08	UNIF	MV 0 3
1558	LUAV A 301 303	14.50=	11	14.50=	05	GL08	UNIF	MV 0 3
1559	LUAV Y 303 304	0.00=	05	14.50=	17	GL08	UNIF	MV 0 3
1560	LUAV Z 303 304	14.50=	17	14.50=	24	GL08	UNIF	MV 0 3
1561	LUAV A 303 304	0.00=	67	29.00=	40	GL08	UNIF	MV 0 3
1562	LUAV Y 301 306	0.00=	50	29.00=	46	GL08	UNIF	MV 0 3
1563	LUAV Z 301 306	0.00=	17	29.00=	24	GL08	UNIF	MV 0 3
1564	LUAV A 301 502	0.00=	60	15.15=	60	GL08	UNIF	MV 0 3
1565	LUAV Y 302 503	0.00=	06	15.15=	07	GL08	UNIF	MV 0 3
1566	LUAV Z 302 503	0.00=	60	15.15=	60	GL08	UNIF	MV 0 3
1567	LUAV A 302 503	0.00=	07	15.15=	06	GL08	UNIF	MV 0 3
1568	LUAV Y 302 505	0.00=	06	15.15=	08	GL08	UNIF	MV 0 3

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

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

LINE NO.	1	2	3	4	5	6	7	8
1569	LJAU Z	505 506	0.00	08	15.15	10	GL0B UNIF	MV 0 3
1570	LJAU X	501 504	0.00	52	15.15	51	GL0B UNIF	MV 0 3
1571	LJAU Y	501 504	0.00	30	15.15	30	GL0B UNIF	MV 0 3
1572	LJAU Z	501 504	0.00	08	15.15	09	GL0B UNIF	MV 0 3
1573	LJAU X	504 506	0.00	51	15.15	49	GL0B UNIF	MV 0 3
1574	LJAU Y	504 506	0.00	30	15.15	28	GL0B UNIF	MV 0 3
1575	LJAU Z	504 506	0.00	04	15.15	10	GL0B UNIF	MV 0 3
1576	LJAU X	502 504	0.00	41	15.15	41	GL0B UNIF	MV 0 3
1577	LJAU Y	502 505	0.00	24	15.15	24	GL0B UNIF	MV 0 3
1578	LJAU Z	502 505	0.00	04	15.15	05	GL0B UNIF	MV 0 3
1579	LJAU X	504 505	0.00	47	15.14	48	GL0B UNIF	MV 0 3
1580	LJAU Y	504 505	0.00	06	15.14	05	GL0B UNIF	MV 0 3
1581	LJAU Z	504 505	0.00	26	3.00	26	GL0B UNIF	MV 0 3
1582	LJAU X	501 513	0.00	45	3.00	45	GL0B UNIF	MV 0 3
1583	LJAU Y	501 513	0.00	05	3.00	05	GL0B UNIF	MV 0 3
1584	LJAU Z	501 513	0.00	13	3.00	13	GL0B UNIF	MV 0 3
1585	LJAU X	503 514	0.00	22	3.00	22	GL0B UNIF	MV 0 3
1586	LJAU Y	503 514	0.00	03	3.00	02	GL0B UNIF	MV 0 3
1587	LJAU Z	503 514	0.00	89	6.00	79	GL0B UNIF	MV 0 3
1588	LJAU X	513 651	0.00	155	6.00	137	GL0B UNIF	MV 0 3
1589	LJAU Y	513 651	0.00	79	6.00	71	GL0B UNIF	MV 0 3
1590	LJAU Z	513 651	0.00	137	6.00	123	GL0B UNIF	MV 0 3
1591	LJAU X	513 651	12.00	71	6.00	63	GL0B UNIF	MV 0 3
1592	LJAU Y	513 651	12.00	123	6.00	110	GL0B UNIF	MV 0 3
1593	LJAU Z	513 651	0.00	96	6.00	85	GL0B UNIF	MV 0 3
1594	LJAU X	514 653	0.00	168	6.00	147	GL0B UNIF	MV 0 3
1595	LJAU Y	514 653	0.00	85	6.00	77	GL0B UNIF	MV 0 3
1596	LJAU Z	514 653	0.00	147	6.00	135	GL0B UNIF	MV 0 3
1597	LJAU X	514 653	0.00	77	6.00	69	GL0B UNIF	MV 0 3
1598	LJAU Y	514 653	12.00	135	6.00	119	GL0B UNIF	MV 0 3
1599	LJAU Z	514 653	12.00	69	6.00	27	GL0B UNIF	MV 0 3
1600	LJAU X	601 611	0.00	27	6.00	05	GL0B UNIF	MV 0 3
1601	LJAU Y	601 611	0.00	06	6.00	03	GL0B UNIF	MV 0 3
1602	LJAU Z	601 611	0.00	40	16.01	39	GL0B UNIF	MV 0 3
1603	LJAU X	603 613	0.00	39	16.01	38	GL0B UNIF	MV 0 3
1604	LJAU Y	603 613	0.00	03	16.01	02	GL0B UNIF	MV 0 3
1605	LJAU Z	603 613	0.00	71	17.75	70	GL0B UNIF	MV 0 3
1606	LJAU X	611 612	0.00	04	17.75	03	GL0B UNIF	MV 0 3
1607	LJAU Y	611 612	0.00	70	17.75	66	GL0B UNIF	MV 0 3
1608	LJAU Z	611 612	0.00	66	17.75	66	GL0B UNIF	MV 0 3
1609	LJAU X	602 603	0.00	03	17.75	01	GL0B UNIF	MV 0 3
1610	LJAU Y	602 603	0.00	103	6.06	92	GL0B UNIF	MV 0 3
1611	LJAU Z	602 603	0.00	92	6.06	08	GL0B UNIF	MV 0 3
1612	LJAU X	611 601	0.00	50	6.06	50	GL0B UNIF	MV 0 3
1613	LJAU Y	611 601	0.00	92	6.06	85	GL0B UNIF	MV 0 3
1614	LJAU Z	611 601	0.00	08	6.06	07	GL0B UNIF	MV 0 3
1615	LJAU X	611 601	6.06	50	6.06	50	GL0B UNIF	MV 0 3
1616	LJAU Y	611 601	6.06	92	6.06	85	GL0B UNIF	MV 0 3
1617	LJAU Z	611 601	6.06	08	6.06	07	GL0B UNIF	MV 0 3

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

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

LINE NO.	1	2	3	4	5	6	7	8
1616	LUAV A	612 662	0.00	39	6.00	35	GL08 UNIF	MV 0 3
1617	LUAV Y	612 662	0.00	60	6.00	61	GL08 UNIF	MV 0 3
1620	LUAV A	612 662	6.00	35	6.00	32	GL08 UNIF	MV 0 3
1621	LUAV Y	612 662	6.00	61	6.00	55	GL08 UNIF	MV 0 3
1622	LUAV X	613 663	0.00	56	6.06	51	GL08 UNIF	MV 0 3
1623	LUAV Y	613 663	0.00	105	6.06	94	GL08 UNIF	MV 0 3
1624	LUAV Z	613 663	0.00	08	6.06	07	GL08 UNIF	MV 0 3
1625	LUAV X	613 663	6.06	51	6.06	46	GL08 UNIF	MV 0 3
1626	LUAV Y	613 663	6.06	94	6.06	85	GL08 UNIF	MV 0 3
1627	LUAV Z	613 663	6.06	07	6.06	07	GL08 UNIF	MV 0 3
1628	LUAV X	501 642	0.00	06	6.75	06	GL08 UNIF	MV 0 3
1629	LUAV Y	501 642	0.00	74	6.75	68	GL08 UNIF	MV 0 3
1630	LUAV Z	501 642	0.00	14	6.75	13	GL08 UNIF	MV 0 3
1631	LUAV X	501 642	6.75	06	6.75	05	GL08 UNIF	MV 0 3
1632	LUAV Y	501 642	6.75	68	6.75	63	GL08 UNIF	MV 0 3
1633	LUAV Z	501 642	6.75	13	6.75	13	GL08 UNIF	MV 0 3
1634	LUAV X	501 642	13.50	05	6.75	05	GL08 UNIF	MV 0 3
1635	LUAV Y	501 642	13.50	63	6.75	59	GL08 UNIF	MV 0 3
1636	LUAV Z	501 642	13.50	13	6.75	12	GL08 UNIF	MV 0 3
1637	LUAV X	503 645	0.00	21	10.12	19	GL08 UNIF	MV 0 3
1638	LUAV Y	503 645	0.00	30	10.12	27	GL08 UNIF	MV 0 3
1639	LUAV Z	503 645	0.00	49	10.12	44	GL08 UNIF	MV 0 3
1640	LUAV X	503 645	10.12	19	10.12	17	GL08 UNIF	MV 0 3
1641	LUAV Y	503 645	10.12	27	10.12	25	GL08 UNIF	MV 0 3
1642	LUAV Z	503 645	10.12	44	10.12	41	GL08 UNIF	MV 0 3
1643	LUAV X	506 648	0.00	57	10.12	52	GL08 UNIF	MV 0 3
1644	LUAV Y	506 648	0.00	44	10.12	40	GL08 UNIF	MV 0 3
1645	LUAV Z	506 648	0.00	07	10.12	07	GL08 UNIF	MV 0 3
1646	LUAV X	506 648	10.12	52	10.12	48	GL08 UNIF	MV 0 3
1647	LUAV Y	506 648	10.12	40	10.12	37	GL08 UNIF	MV 0 3
1648	LUAV Z	506 648	10.12	07	10.12	06	GL08 UNIF	MV 0 3
1649	LUAV X	642 703	0.00	10	7.51	09	GL08 UNIF	MV 0 3
1650	LUAV Y	642 703	0.00	48	7.51	41	GL08 UNIF	MV 0 3
1651	LUAV Z	642 703	0.00	21	7.51	19	GL08 UNIF	MV 0 3
1652	LUAV X	642 703	7.51	09	7.51	04	GL08 UNIF	MV 0 3
1653	LUAV Y	642 703	7.51	41	7.51	75	GL08 UNIF	MV 0 3
1654	LUAV Z	642 703	7.51	19	7.51	18	GL08 UNIF	MV 0 3
1655	LUAV X	642 703	14.62	04	7.51	08	GL08 UNIF	MV 0 3
1656	LUAV Y	642 703	14.62	75	7.51	69	GL08 UNIF	MV 0 3
1657	LUAV Z	642 703	14.62	18	7.51	17	GL08 UNIF	MV 0 3
1658	LUAV X	645 706	0.00	24	7.51	23	GL08 UNIF	MV 0 3
1659	LUAV Y	645 706	0.00	35	7.51	32	GL08 UNIF	MV 0 3
1660	LUAV Z	645 706	0.00	57	7.51	53	GL08 UNIF	MV 0 3
1661	LUAV X	645 706	7.51	23	7.51	20	GL08 UNIF	MV 0 3
1662	LUAV Y	645 706	7.51	32	7.51	29	GL08 UNIF	MV 0 3
1663	LUAV Z	645 706	7.51	53	7.51	48	GL08 UNIF	MV 0 3
1664	LUAV X	645 706	14.62	20	7.51	18	GL08 UNIF	MV 0 3
1665	LUAV Y	645 706	14.62	29	7.51	26	GL08 UNIF	MV 0 3
1666	LUAV Z	645 706	14.62	48	7.51	45	GL08 UNIF	MV 0 3



STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NU. 2 - MHL 93.0 FEET - 50 YR STDM

LINE NO.	1	2	3	4	5	6	7	8
1667	LUAD X	644 701	0.00=	71	7.31=	68	GLUB UNIF	MV 0 3
1668	LUAD Y	644 701	0.00=	59	7.31=	55	GLUB UNIF	MV 0 3
1669	LUAD Z	644 701	0.00=	14	7.31=	13	GLUB UNIF	MV 0 3
1670	LUAD X	644 701	7.31=	68	7.31=	62	GLUB UNIF	MV 0 3
1671	LUAD Y	644 701	7.31=	55	7.31=	52	GLUB UNIF	MV 0 3
1672	LUAD Z	644 701	7.31=	13	7.31=	12	GLUB UNIF	MV 0 3
1673	LUAD X	644 701	14.62=	62	7.31=	57	GLUB UNIF	MV 0 3
1674	LUAD Y	644 701	14.62=	52	7.31=	48	GLUB UNIF	MV 0 3
1675	LUAD Z	644 701	14.62=	12	7.31=	11	GLUB UNIF	MV 0 3
1676	LUAD X	701 702	0.00=	48	16.76=	47	GLUB UNIF	MV 0 3
1677	LUAD Y	701 702	0.00=	03	16.76=	02	GLUB UNIF	MV 0 3
1678	LUAD Z	701 702	0.00=	47	16.76=	46	GLUB UNIF	MV 0 3
1679	LUAD X	702 703	0.00=	02	16.76=	01	GLUB UNIF	MV 0 3
1680	LUAD Y	703 705	0.00=	1	6.25=	02	GLUB UNIF	MV 0 3
1681	LUAD Z	703 705	6.25=	02	6.25=	02	GLUB UNIF	MV 0 3
1682	LUAD X	703 705	12.51=	02	6.25=	03	GLUB UNIF	MV 0 3
1683	LUAD Y	705 705	0.00=	03	18.75=	04	GLUB UNIF	MV 0 3
1684	LUAD Z	701 706	0.00=	41	18.76=	41	GLUB UNIF	MV 0 3
1685	LUAD X	701 704	0.00=	24	18.76=	24	GLUB UNIF	MV 0 3
1686	LUAD Y	701 704	0.00=	03	18.76=	03	GLUB UNIF	MV 0 3
1687	LUAD Z	704 706	0.00=	41	18.75=	39	GLUB UNIF	MV 0 3
1688	LUAD X	704 704	0.00=	24	18.75=	23	GLUB UNIF	MV 0 3
1689	LUAD Y	704 705	0.00=	03	18.75=	04	GLUB UNIF	MV 0 3
1690	LUAD Z	702 704	0.00=	07	18.76=	08	GLUB UNIF	MV 0 3
1691	LUAD X	702 705	0.00=	36	18.76=	36	GLUB UNIF	MV 0 3
1692	LUAD Y	702 705	0.00=	21	18.76=	21	GLUB UNIF	MV 0 3
1693	LUAD Z	702 705	0.00=	07	18.76=	07	GLUB UNIF	MV 0 3
1694	LUAD X	704 705	0.00=	40	18.76=	42	GLUB UNIF	MV 0 3
1695	LUAD Y	704 705	0.00=	08	18.76=	07	GLUB UNIF	MV 0 3
1696	LUAD Z	701 806	0.00=	54	16.27=	46	GLUB UNIF	MV 0 3
1697	LUAD X	701 806	0.00=	47	16.27=	46	GLUB UNIF	MV 0 3
1698	LUAD Y	701 806	0.00=	27	16.27=	24	GLUB UNIF	MV 0 3
1699	LUAD Z	701 806	16.27=	46	16.27=	39	GLUB UNIF	MV 0 3
1700	LUAD X	701 806	16.27=	40	16.27=	34	GLUB UNIF	MV 0 3
1701	LUAD Y	701 806	16.27=	24	16.27=	20	GLUB UNIF	MV 0 3
1702	LUAD Z	701 806	32.55=	34	16.27=	33	GLUB UNIF	MV 0 3
1703	LUAD X	701 806	32.55=	34	16.27=	29	GLUB UNIF	MV 0 3
1704	LUAD Y	701 806	32.55=	20	16.27=	17	GLUB UNIF	MV 0 3
1705	LUAD Z	703 801	0.00=	17	16.28=	16	GLUB UNIF	MV 0 3
1706	LUAD X	703 801	0.00=	72	16.28=	64	GLUB UNIF	MV 0 3
1707	LUAD Y	703 801	0.00=	22	16.28=	20	GLUB UNIF	MV 0 3
1708	LUAD Z	703 801	16.28=	16	16.28=	14	GLUB UNIF	MV 0 3
1709	LUAD X	703 801	16.28=	64	16.28=	58	GLUB UNIF	MV 0 3
1710	LUAD Y	703 801	16.28=	20	16.28=	18	GLUB UNIF	MV 0 3
1711	LUAD Z	703 801	32.55=	14	16.28=	13	GLUB UNIF	MV 0 3
1712	LUAD X	703 801	32.55=	50	16.28=	50	GLUB UNIF	MV 0 3
1713	LUAD Y	703 801	32.55=	18	16.28=	18	GLUB UNIF	MV 0 3
1714	LUAD Z	705 803	0.00=	08	16.28=	08	GLUB UNIF	MV 0 3
1715	LUAD X	705 803	0.00=	16	16.28=	16	GLUB UNIF	MV 0 3

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

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YH STORM

LINE NO.	1	2	3	4	5	6	7	8	
1716	LJAU	Z	706	803	0.00	27	10.28	GL08 UNIF	MV 0 3
1717	LJAU	X	706	803	10.28	00	10.28	GL08 UNIF	MV 0 3
1718	LJAU	Y	706	803	10.28	10	10.28	GL08 UNIF	MV 0 3
1719	LJAU	Z	706	803	10.28	20	10.28	GL08 UNIF	MV 0 3
1720	LJAU	X	706	803	32.55	05	10.28	GL08 UNIF	MV 0 3
1721	LJAU	Y	706	803	32.55	14	10.28	GL08 UNIF	MV 0 3
1722	LJAU	Z	706	803	32.55	24	10.28	GL08 UNIF	MV 0 3
1723	LJAU	X	801	802	0.00	32	22.51	GL08 UNIF	MV 0 3
1724	LJAU	Y	801	802	0.00	02	22.51	GL08 UNIF	MV 0 3
1725	LJAU	Z	801	802	0.00	32	22.51	GL08 UNIF	MV 0 3
1726	LJAU	X	802	803	0.00	02	22.51	GL08 UNIF	MV 0 3
1727	LJAU	Y	802	803	0.00	11	22.51	GL08 UNIF	MV 0 3
1728	LJAU	Z	802	803	0.00	02	22.51	GL08 UNIF	MV 0 3
1729	LJAU	X	804	806	11.26	02	11.26	GL08 UNIF	MV 0 3
1730	LJAU	Y	804	806	0.00	20	22.51	GL08 UNIF	MV 0 3
1731	LJAU	Z	804	806	0.00	10	22.51	GL08 UNIF	MV 0 3
1732	LJAU	X	804	806	0.00	02	22.51	GL08 UNIF	MV 0 3
1733	LJAU	Y	804	806	0.00	15	22.51	GL08 UNIF	MV 0 3
1734	LJAU	Z	804	806	0.00	02	22.51	GL08 UNIF	MV 0 3
1735	LJAU	X	804	806	0.00	04	22.52	GL08 UNIF	MV 0 3
1736	LJAU	Y	804	805	0.00	25	22.52	GL08 UNIF	MV 0 3
1737	LJAU	Z	804	805	0.00	14	22.52	GL08 UNIF	MV 0 3
1738	LJAU	X	804	805	0.00	04	22.52	GL08 UNIF	MV 0 3
1739	LJAU	Y	804	805	0.00	05	22.52	GL08 UNIF	MV 0 3
1740	LJAU	Z	804	805	0.00	02	22.52	GL08 UNIF	MV 0 3
1741	LJAU	X	801	903	0.00	02	10.04	GL08 UNIF	MV 0 3
1742	LJAU	Y	801	903	0.00	40	10.04	GL08 UNIF	MV 0 3
1743	LJAU	Z	801	903	0.00	08	10.04	GL08 UNIF	MV 0 3
1744	LJAU	X	801	903	10.04	02	10.04	GL08 UNIF	MV 0 3
1745	LJAU	Y	801	903	10.04	43	10.04	GL08 UNIF	MV 0 3
1746	LJAU	Z	801	903	10.04	39	10.04	GL08 UNIF	MV 0 3
1747	LJAU	X	801	903	10.04	00	10.04	GL08 UNIF	MV 0 3
1748	LJAU	Y	801	903	37.28	02	10.04	GL08 UNIF	MV 0 3
1749	LJAU	Z	801	903	37.28	35	10.04	GL08 UNIF	MV 0 3
1750	LJAU	X	803	905	0.00	09	10.04	GL08 UNIF	MV 0 3
1751	LJAU	Y	803	905	0.00	12	10.04	GL08 UNIF	MV 0 3
1752	LJAU	Z	803	905	0.00	27	10.04	GL08 UNIF	MV 0 3
1753	LJAU	X	803	906	10.04	00	10.04	GL08 UNIF	MV 0 3
1754	LJAU	Y	803	906	10.04	11	10.04	GL08 UNIF	MV 0 3
1755	LJAU	Z	803	906	10.04	25	10.04	GL08 UNIF	MV 0 3
1756	LJAU	X	803	906	37.28	07	10.04	GL08 UNIF	MV 0 3
1757	LJAU	Y	803	906	37.28	10	10.04	GL08 UNIF	MV 0 3
1758	LJAU	Z	803	906	37.28	06	10.04	GL08 UNIF	MV 0 3
1759	LJAU	X	806	901	0.00	22	10.04	GL08 UNIF	MV 0 3
1760	LJAU	Y	806	901	0.00	37	10.04	GL08 UNIF	MV 0 3
1761	LJAU	Z	806	901	0.00	27	10.04	GL08 UNIF	MV 0 3
1762	LJAU	X	806	901	0.00	05	10.04	GL08 UNIF	MV 0 3
1763	LJAU	Y	806	901	10.04	34	10.04	GL08 UNIF	MV 0 3
1764	LJAU	Z	806	901	10.04	25	10.04	GL08 UNIF	MV 0 3

STRAN INPUT DATA

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

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
1765	LJAU Z	808 901	16.64	05	18.64	05	GL08 UNIF	MV 0 3
1766	LJAU X	808 901	37.24	32	18.64	29	GL08 UNIF	MV 0 3
1767	LJAU Y	808 901	37.24	20	18.64	23	GL08 UNIF	MV 0 3
1768	LJAU Z	808 901	37.24	05	18.64	06	GL08 UNIF	MV 0 3
1769	LJAU Z	901 902	0.00	26	25.41	26	GL08 UNIF	MV 0 3
1770	LJAU Z	901 902	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1771	LJAU Y	902 903	0.00	26	26.41	25	GL08 UNIF	MV 0 3
1772	LJAU Z	902 903	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1773	LJAU Z	903 905	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1774	LJAU Z	905 906	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1775	LJAU X	901 904	0.00	25	26.41	22	GL08 UNIF	MV 0 3
1776	LJAU Y	901 904	0.00	13	26.41	13	GL08 UNIF	MV 0 3
1777	LJAU Z	901 904	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1778	LJAU X	904 906	0.00	22	26.41	21	GL08 UNIF	MV 0 3
1779	LJAU Y	904 906	0.00	13	26.41	12	GL08 UNIF	MV 0 3
1780	LJAU Z	904 906	0.00	1	26.41	1	GL08 UNIF	MV 0 3
1781	LJAU Z	902 904	0.00	02	26.41	02	GL08 UNIF	MV 0 3
1782	LJAU Y	902 905	0.00	19	26.41	16	GL08 UNIF	MV 0 3
1783	LJAU Y	902 905	0.00	11	26.41	10	GL08 UNIF	MV 0 3
1784	LJAU Z	902 905	0.00	02	26.41	02	GL08 UNIF	MV 0 3
1785	LJAU Y	904 905	0.00	20	26.40	21	GL08 UNIF	MV 0 3
1786	LJAU Z	904 905	0.00	02	26.40	02	GL08 UNIF	MV 0 3
1787	LJAU X	9011002	0.00	07	12.61	06	GL08 UNIF	MV 0 3
1788	LJAU Y	9011002	0.00	29	12.61	26	GL08 UNIF	MV 0 3
1789	LJAU Z	9011002	0.00	09	12.61	08	GL08 UNIF	MV 0 3
1790	LJAU X	9011002	12.61	00	12.61	06	GL08 UNIF	MV 0 3
1791	LJAU Y	9011002	12.61	26	12.61	25	GL08 UNIF	MV 0 3
1792	LJAU Z	9011002	12.61	08	12.61	07	GL08 UNIF	MV 0 3
1793	LJAU X	9011002	25.22	06	12.61	1	GL08 UNIF	MV 0 3
1794	LJAU Y	9011002	25.22	23	12.61	03	GL08 UNIF	MV 0 3
1795	LJAU Z	9011002	25.22	07	12.61	1	GL08 UNIF	MV 0 3
1796	LJAU X	9031002	0.00	10	12.61	09	GL08 UNIF	MV 0 3
1797	LJAU Y	9031002	0.00	29	12.61	27	GL08 UNIF	MV 0 3
1798	LJAU Z	9031002	0.00	08	12.61	07	GL08 UNIF	MV 0 3
1799	LJAU X	9031002	12.61	09	12.61	06	GL08 UNIF	MV 0 3
1800	LJAU Y	9031002	12.61	27	12.61	24	GL08 UNIF	MV 0 3
1801	LJAU Z	9031002	12.61	07	12.61	06	GL08 UNIF	MV 0 3
1802	LJAU X	9031002	25.22	08	12.61	1	GL08 UNIF	MV 0 3
1803	LJAU Y	9031002	25.22	24	12.61	03	GL08 UNIF	MV 0 3
1804	LJAU Z	9031002	25.22	06	12.61	1	GL08 UNIF	MV 0 3
1805	LJAU X	9031005	0.00	10	12.61	09	GL08 UNIF	MV 0 3
1806	LJAU Y	9031005	0.00	14	12.61	14	GL08 UNIF	MV 0 3
1807	LJAU Z	9031005	0.00	17	12.61	16	GL08 UNIF	MV 0 3
1808	LJAU X	9031005	12.61	09	12.61	08	GL08 UNIF	MV 0 3
1809	LJAU Y	9031005	12.61	14	12.61	12	GL08 UNIF	MV 0 3
1810	LJAU Z	9031005	12.61	16	12.61	14	GL08 UNIF	MV 0 3
1811	LJAU X	9031005	25.23	08	12.61	1	GL08 UNIF	MV 0 3
1812	LJAU Y	9031005	25.23	12	12.61	1	GL08 UNIF	MV 0 3
1813	LJAU Z	9031005	25.23	14	12.61	1	GL08 UNIF	MV 0 3

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

U.S. NAVY - ACMM PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YR STORM

LINE NO.	1	2	3	4	5	6	7	8
1814	LJAU X	9061005	0.00=	06	12.61=	06	GL0B UNIF	MV 0 3
1815	LJAU Y	9061005	0.00=	14	12.61=	13	GL0B UNIF	MV 0 3
1816	LJAU Z	9061005	0.00=	15	12.61=	14	GL0B UNIF	MV 0 3
1817	LJAU X	9061005	12.61=	06	12.61=	06	GL0B UNIF	MV 0 3
1818	LJAU Y	9061005	12.61=	13	12.61=	12	GL0B UNIF	MV 0 3
1819	LJAU Z	9061005	12.61=	14	12.61=	13	GL0B UNIF	MV 0 3
1820	LJAU X	9061005	25.22=	06	12.61=	1	GL0B UNIF	MV 0 3
1821	LJAU Y	9061005	25.22=	13	12.61=	1	GL0B UNIF	MV 0 3
1822	LJAU Z	9061005	25.22=	14	12.61=	1	GL0B UNIF	MV 0 3
1823	LJAU X	9011004	0.00=	21	12.61=	19	GL0B UNIF	MV 0 3
1824	LJAU Y	9011004	0.00=	22	12.61=	20	GL0B UNIF	MV 0 3
1825	LJAU Z	9011004	0.00=	19	12.61=	19	GL0B UNIF	MV 0 3
1826	LJAU X	9011004	12.61=	19	12.61=	16	GL0B UNIF	MV 0 3
1827	LJAU Y	9011004	12.61=	20	12.61=	16	GL0B UNIF	MV 0 3
1828	LJAU Z	9011004	12.61=	19	12.61=	08	GL0B UNIF	MV 0 3
1829	LJAU X	9011004	25.23=	16	12.61=	1	GL0B UNIF	MV 0 3
1830	LJAU Y	9011004	25.23=	16	12.61=	1	GL0B UNIF	MV 0 3
1831	LJAU Z	9011004	25.23=	08	12.61=	1	GL0B UNIF	MV 0 3
1832	LJAU X	9061004	0.00=	20	12.61=	18	GL0B UNIF	MV 0 3
1833	LJAU Y	9061004	0.00=	21	12.61=	20	GL0B UNIF	MV 0 3
1834	LJAU Z	9061004	0.00=	09	12.61=	06	GL0B UNIF	MV 0 3
1835	LJAU X	9061004	12.61=	16	12.61=	16	GL0B UNIF	MV 0 3
1836	LJAU Y	9061004	12.61=	20	12.61=	17	GL0B UNIF	MV 0 3
1837	LJAU Z	9061004	12.61=	06	12.61=	05	GL0B UNIF	MV 0 3
1838	LJAU X	9061004	25.22=	16	12.61=	1	GL0B UNIF	MV 0 3
1839	LJAU Y	9061004	25.22=	17	12.61=	1	GL0B UNIF	MV 0 3
1840	LJAU Z	9061004	25.22=	05	12.61=	1	GL0B UNIF	MV 0 3
1841	LJAU X	10011002	0.00=	03	10.10=	03	GL0B UNIF	MV 0 3
1842	LJAU Y	10011002	0.00=	03	10.10=	04	GL0B UNIF	MV 0 3
1843	LJAU Z	10011002	20.21=	04	10.10=	04	GL0B UNIF	MV 0 3
1844	LJAU X	10021003	0.00=	04	10.10=	05	GL0B UNIF	MV 0 3
1845	LJAU Y	10021003	0.00=	05	10.10=	05	GL0B UNIF	MV 0 3
1846	LJAU Z	10021003	20.21=	05	10.10=	05	GL0B UNIF	MV 0 3
1847	LJAU X	10011004	0.00=	02	15.16=	02	GL0B UNIF	MV 0 3
1848	LJAU Y	10011004	0.00=	1	15.16=	1	GL0B UNIF	MV 0 3
1849	LJAU Z	10011004	15.16=	02	15.16=	1	GL0B UNIF	MV 0 3
1850	LJAU X	10011004	15.16=	1	15.16=	1	GL0B UNIF	MV 0 3
1851	LJAU Y	10041006	0.00=	1	10.10=	1	GL0B UNIF	MV 0 3
1852	LJAU Z	10041006	0.00=	1	10.10=	1	GL0B UNIF	MV 0 3
1853	LJAU X	10041006	10.10=	1	10.10=	1	GL0B UNIF	MV 0 3
1854	LJAU Y	10021005	0.00=	02	10.10=	02	GL0B UNIF	MV 0 3
1855	LJAU Z	10021005	0.00=	1	10.10=	1	GL0B UNIF	MV 0 3
1856	LJAU X	10021005	10.10=	02	10.10=	02	GL0B UNIF	MV 0 3
1857	LJAU Y	10021005	10.10=	1	10.10=	1	GL0B UNIF	MV 0 3
1858	LJAU Z	10021005	20.21=	02	10.10=	02	GL0B UNIF	MV 0 3
1859	LJAU X	10021005	20.21=	1	10.10=	1	GL0B UNIF	MV 0 3
1860	LJAU Y	10041005	0.00=	1	10.50=	02	GL0B UNIF	MV 0 3
1861	LJAU Z	201 301	7.55=	39	2.55=	61	GL0B UNIF	MV 0 3
1862	LJAU X	201 301	7.55=	67	2.55=	105	GL0B UNIF	MV 0 3

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

U.S. NAVY - ACMR PLATFORMS - PLATFORM NU. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.	1	2	3	4	5	6	7	8
1853	LUAV X	201 301	9.90=	61	2.55=	83	GL0B UNIF	MV 0 3
1854	LUAV Y	201 301	9.90=	105	2.55=	143	GL0B UNIF	MV 0 3
1855	LUAV X	201 301	12.45=	83	2.55=	94	GL0B UNIF	MV 0 3
1856	LUAV Y	201 301	12.45=	143	2.55=	162	GL0B UNIF	MV 0 3
1857	LUAV X	203 303	11.25=	49	1.25=	72	GL0B UNIF	MV 0 3
1858	LUAV Y	203 303	11.25=	85	1.25=	125	GL0B UNIF	MV 0 3
1859	LUAV X	203 303	12.51=	72	1.25=	84	GL0B UNIF	MV 0 3
1860	LUAV Y	203 303	12.51=	125	1.25=	145	GL0B UNIF	MV 0 3
1871	LUAV X	203 303	13.75=	84	1.25=	88	GL0B UNIF	MV 0 3
1872	LUAV Y	203 303	13.75=	145	1.25=	152	GL0B UNIF	MV 0 3
1873	LUAV X	206 306	8.58=	12	2.15=	38	GL0B UNIF	MV 0 3
1874	LUAV Y	206 306	8.58=	21	2.15=	46	GL0B UNIF	MV 0 3
1875	LUAV X	206 306	10.71=	38	2.15=	62	GL0B UNIF	MV 0 3
1876	LUAV Y	206 306	10.71=	62	2.15=	112	GL0B UNIF	MV 0 3
1877	LUAV X	206 306	12.85=	65	2.15=	74	GL0B UNIF	MV 0 3
1878	LUAV Y	206 306	12.85=	112	2.15=	126	GL0B UNIF	MV 0 3
1879	LUAV X	301 401	9.50=	94	9.50=	118	GL0B UNIF	MV 0 3
1880	LUAV Y	301 401	9.50=	162	9.50=	204	GL0B UNIF	MV 0 3
1881	LUAV X	301 401	9.50=	118	9.50=	104	GL0B UNIF	MV 0 3
1882	LUAV Y	301 401	9.50=	204	9.50=	180	GL0B UNIF	MV 0 3
1883	LUAV X	303 403	9.00=	104	9.50=	72	GL0B UNIF	MV 0 3
1884	LUAV Y	303 403	9.00=	180	9.50=	125	GL0B UNIF	MV 0 3
1885	LUAV X	303 403	14.25=	88	14.25=	112	GL0B UNIF	MV 0 3
1886	LUAV Y	303 403	14.25=	152	14.25=	195	GL0B UNIF	MV 0 3
1887	LUAV X	303 403	14.25=	112	14.25=	76	GL0B UNIF	MV 0 3
1888	LUAV Y	303 403	14.25=	195	14.25=	131	GL0B UNIF	MV 0 3
1889	LUAV X	306 406	0.00=	74	9.50=	102	GL0B UNIF	MV 0 3
1890	LUAV Y	306 406	0.00=	126	9.50=	176	GL0B UNIF	MV 0 3
1891	LUAV X	306 406	9.50=	102	9.50=	94	GL0B UNIF	MV 0 3
1892	LUAV Y	306 406	9.50=	176	9.50=	163	GL0B UNIF	MV 0 3
1893	LUAV X	306 406	19.00=	94	9.50=	64	GL0B UNIF	MV 0 3
1894	LUAV Y	306 406	19.00=	163	9.50=	112	GL0B UNIF	MV 0 3
1895	LUAV X	401 501	9.00=	126	4.56=	118	GL0B UNIF	MV 0 3
1896	LUAV Y	401 501	9.00=	197	4.56=	179	GL0B UNIF	MV 0 3
1897	LUAV X	401 501	0.00=	02	4.56=	02	GL0B UNIF	MV 0 3
1898	LUAV Y	403 503	0.00=	114	4.56=	104	GL0B UNIF	MV 0 3
1899	LUAV X	403 503	0.00=	214	4.56=	197	GL0B UNIF	MV 0 3
1900	LUAV Y	403 503	0.00=	34	4.56=	32	GL0B UNIF	MV 0 3
1901	LUAV X	406 506	0.00=	98	4.56=	84	GL0B UNIF	MV 0 3
1902	LUAV Y	406 506	0.00=	179	4.56=	163	GL0B UNIF	MV 0 3
1903	LUAV X	501 601	0.00=	30	4.56=	27	GL0B UNIF	MV 0 3
1904	LUAV Y	501 601	0.00=	116	4.56=	111	GL0B UNIF	MV 0 3
1905	LUAV X	501 601	0.00=	179	4.56=	168	GL0B UNIF	MV 0 3
1906	LUAV Y	501 601	0.00=	02	4.56=	02	GL0B UNIF	MV 0 3
1907	LUAV X	501 601	3.04=	111	4.56=	105	GL0B UNIF	MV 0 3
1908	LUAV Y	501 601	3.04=	168	4.56=	158	GL0B UNIF	MV 0 3
1909	LUAV X	503 603	0.00=	104	4.56=	02	GL0B UNIF	MV 0 3
1910	LUAV Y	503 603	0.00=	197	4.56=	145	GL0B UNIF	MV 0 3

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - HML 93.0 FEET - 50 YN STORM

LINE NO.	1	2	3	4	5	6	7	8
1912	LUAV Z	503 603	0.00	31	3.04	29	GL0B UNIF	MV 0 3
1913	LUAV X	503 603	3.04	98	3.04	92	GL0B UNIF	MV 0 3
1914	LUAV Y	503 603	3.04	185	3.04	174	GL0B UNIF	MV 0 3
1915	LUAV Z	503 603	3.04	24	3.04	28	GL0B UNIF	MV 0 3
1916	LUAV X	506 606	0.00	44	3.04	43	GL0B UNIF	MV 0 3
1917	LUAV Y	505 605	0.00	163	3.04	152	GL0B UNIF	MV 0 3
1918	LUAV Z	506 606	0.00	27	3.04	25	GL0B UNIF	MV 0 3
1919	LUAV X	506 606	3.04	83	3.04	77	GL0B UNIF	MV 0 3
1920	LUAV Y	505 606	3.04	152	3.04	142	GL0B UNIF	MV 0 3
1921	LUAV Z	506 606	3.04	29	3.04	23	GL0B UNIF	MV 0 3
1922	LUAV X	601 641	0.00	105	3.04	94	GL0B UNIF	MV 0 3
1923	LUAV Y	601 641	0.00	158	3.04	150	GL0B UNIF	MV 0 3
1924	LUAV Z	601 641	0.00	02	3.04	02	GL0B UNIF	MV 0 3
1925	LUAV X	601 641	3.04	99	3.04	94	GL0B UNIF	MV 0 3
1926	LUAV Y	601 641	3.04	150	3.04	141	GL0B UNIF	MV 0 3
1927	LUAV Z	601 641	3.04	02	3.04	02	GL0B UNIF	MV 0 3
1928	LUAV X	603 643	0.00	87	3.04	87	GL0B UNIF	MV 0 3
1929	LUAV Y	603 643	0.00	174	3.04	165	GL0B UNIF	MV 0 3
1930	LUAV Z	603 643	0.00	28	3.04	26	GL0B UNIF	MV 0 3
1931	LUAV X	603 643	3.04	87	3.04	82	GL0B UNIF	MV 0 3
1932	LUAV Y	603 643	3.04	165	3.04	156	GL0B UNIF	MV 0 3
1933	LUAV Z	603 643	3.04	28	3.04	25	GL0B UNIF	MV 0 3
1934	LUAV X	606 646	0.00	77	6.08	69	GL0B UNIF	MV 0 3
1935	LUAV Y	606 646	0.00	142	6.08	127	GL0B UNIF	MV 0 3
1936	LUAV Z	606 646	0.00	24	6.08	21	GL0B UNIF	MV 0 3
1937	LUAV X	641 651	0.00	144	3.04	136	GL0B UNIF	MV 0 3
1938	LUAV Y	641 651	0.00	204	3.04	192	GL0B UNIF	MV 0 3
1939	LUAV Z	641 651	0.00	04	3.04	04	GL0B UNIF	MV 0 3
1940	LUAV X	641 651	3.04	136	3.04	129	GL0B UNIF	MV 0 3
1941	LUAV Y	641 651	3.04	192	3.04	183	GL0B UNIF	MV 0 3
1942	LUAV Z	641 651	3.04	04	3.04	03	GL0B UNIF	MV 0 3
1943	LUAV X	643 653	0.00	124	6.08	111	GL0B UNIF	MV 0 3
1944	LUAV Y	643 653	0.00	240	6.08	217	GL0B UNIF	MV 0 3
1945	LUAV Z	643 653	0.00	38	6.08	34	GL0B UNIF	MV 0 3
1946	LUAV X	646 656	0.00	92	6.08	81	GL0B UNIF	MV 0 3
1947	LUAV Y	646 656	0.00	178	6.08	158	GL0B UNIF	MV 0 3
1948	LUAV Z	646 656	0.00	30	6.08	26	GL0B UNIF	MV 0 3
1949	LUAV X	651 701	0.00	124	3.55	122	GL0B UNIF	MV 0 3
1950	LUAV Y	651 701	0.00	183	3.55	172	GL0B UNIF	MV 0 3
1951	LUAV Z	651 701	0.00	03	3.55	03	GL0B UNIF	MV 0 3
1952	LUAV X	651 701	3.55	122	3.55	115	GL0B UNIF	MV 0 3
1953	LUAV Y	651 701	3.55	172	3.55	161	GL0B UNIF	MV 0 3
1954	LUAV Z	651 701	3.55	03	3.55	03	GL0B UNIF	MV 0 3
1955	LUAV X	653 703	0.00	111	3.55	105	GL0B UNIF	MV 0 3
1956	LUAV Y	653 703	0.00	217	3.55	205	GL0B UNIF	MV 0 3
1957	LUAV Z	653 703	0.00	34	3.55	32	GL0B UNIF	MV 0 3
1958	LUAV X	653 703	3.55	105	3.55	99	GL0B UNIF	MV 0 3
1959	LUAV Y	653 703	3.55	205	3.55	193	GL0B UNIF	MV 0 3
1960	LUAV Z	653 703	3.55	32	3.55	30	GL0B UNIF	MV 0 3

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - HML 93.0 FEET - 50 YH STORH

LINE NO.	1	2	3	4	5	6	7	8
1461	LJAU X 656 706	0.00	41	5.55	76	GL0B UNIF	MV 0 3	
1462	LJAU Y 656 706	0.00	158	3.55	147	GL0B UNIF	MV 0 3	
1463	LJAU Z 656 706	0.00	26	3.55	25	GL0B UNIF	MV 0 3	
1464	LJAU X 656 706	3.55	76	3.55	71	GL0B UNIF	MV 0 3	
1465	LJAU Y 656 706	3.55	147	3.55	137	GL0B UNIF	MV 0 3	
1466	LJAU Z 656 706	3.55	25	3.55	23	GL0B UNIF	MV 0 3	
1467	LJAU X 701 801	0.00	108	8.79	94	GL0B UNIF	MV 0 3	
1468	LJAU Y 701 801	0.00	155	8.79	135	GL0B UNIF	MV 0 3	
1469	LJAU Z 701 801	0.00	03	8.79	02	GL0B UNIF	MV 0 3	
1470	LJAU X 701 801	8.79	94	8.79	63	GL0B UNIF	MV 0 3	
1471	LJAU Y 701 801	8.79	135	8.79	119	GL0B UNIF	MV 0 3	
1472	LJAU Z 701 801	8.79	02	8.79	02	GL0B UNIF	MV 0 3	
1473	LJAU X 701 801	17.57	63	8.79	75	GL0B UNIF	MV 0 3	
1474	LJAU Y 701 801	17.57	119	8.79	106	GL0B UNIF	MV 0 3	
1475	LJAU Z 701 801	17.57	02	8.79	02	GL0B UNIF	MV 0 3	
1476	LJAU X 703 803	0.00	94	8.79	82	GL0B UNIF	MV 0 3	
1477	LJAU Y 703 803	0.00	181	8.79	160	GL0B UNIF	MV 0 3	
1478	LJAU Z 703 803	0.00	29	8.79	25	GL0B UNIF	MV 0 3	
1479	LJAU X 703 803	8.79	82	8.79	74	GL0B UNIF	MV 0 3	
1480	LJAU Y 703 803	8.79	160	8.79	142	GL0B UNIF	MV 0 3	
1481	LJAU Z 703 803	8.79	25	8.79	22	GL0B UNIF	MV 0 3	
1482	LJAU X 703 803	17.57	74	8.79	67	GL0B UNIF	MV 0 3	
1483	LJAU Y 703 803	17.57	142	8.79	128	GL0B UNIF	MV 0 3	
1484	LJAU Z 703 803	17.57	22	8.79	20	GL0B UNIF	MV 0 3	
1485	LJAU X 706 806	0.00	69	8.79	59	GL0B UNIF	MV 0 3	
1486	LJAU Y 706 806	0.00	133	8.79	113	GL0B UNIF	MV 0 3	
1487	LJAU Z 706 806	0.00	22	8.79	19	GL0B UNIF	MV 0 3	
1488	LJAU X 706 806	8.79	59	8.79	51	GL0B UNIF	MV 0 3	
1489	LJAU Y 706 806	8.79	113	8.79	97	GL0B UNIF	MV 0 3	
1490	LJAU Z 706 806	8.79	19	8.79	16	GL0B UNIF	MV 0 3	
1491	LJAU X 706 806	17.57	51	8.79	44	GL0B UNIF	MV 0 3	
1492	LJAU Y 706 806	17.57	97	8.79	84	GL0B UNIF	MV 0 3	
1493	LJAU Z 706 806	17.57	16	8.79	14	GL0B UNIF	MV 0 3	
1494	LJAU X 801 901	0.00	73	9.12	65	GL0B UNIF	MV 0 3	
1495	LJAU Y 801 901	0.00	106	9.12	95	GL0B UNIF	MV 0 3	
1496	LJAU Z 801 901	0.00	02	9.12	01	GL0B UNIF	MV 0 3	
1497	LJAU X 801 901	9.12	65	9.12	58	GL0B UNIF	MV 0 3	
1498	LJAU Y 801 901	9.12	95	9.12	86	GL0B UNIF	MV 0 3	
1499	LJAU Z 801 901	9.12	01	9.12	01	GL0B UNIF	MV 0 3	
2000	LJAU X 801 901	18.25	58	9.12	52	GL0B UNIF	MV 0 3	
2001	LJAU Y 801 901	18.25	86	9.12	40	GL0B UNIF	MV 0 3	
2002	LJAU Z 801 901	18.25	01	9.12	01	GL0B UNIF	MV 0 3	
2003	LJAU X 803 903	0.00	67	9.12	61	GL0B UNIF	MV 0 3	
2004	LJAU Y 803 903	0.00	128	9.12	116	GL0B UNIF	MV 0 3	
2005	LJAU Z 803 903	0.00	20	9.12	18	GL0B UNIF	MV 0 3	
2006	LJAU X 803 903	9.12	61	9.12	57	GL0B UNIF	MV 0 3	
2007	LJAU Y 803 903	9.12	116	9.12	107	GL0B UNIF	MV 0 3	
2008	LJAU Z 803 903	9.12	18	9.12	17	GL0B UNIF	MV 0 3	
2009	LJAU X 803 903	18.25	57	9.12	54	GL0B UNIF	MV 0 3	

STRAN INPUT DATA

U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - MNL 93.0 FEET - 50 YK STORM

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
2010	LUAD Y	803 903	18.25	107	9.12	100	GL0B UNIF	MV 0 3
2011	LUAD Z	803 903	18.25	17	9.12	16	GL0B UNIF	MV 0 3
2012	LUAD Y	805 906	0.00	44	9.12	38	GL0B UNIF	MV 0 3
2013	LUAD Y	806 906	0.00	64	9.12	72	GL0B UNIF	MV 0 3
2014	LUAD Z	806 906	0.00	14	9.12	12	GL0B UNIF	MV 0 3
2015	LUAD Y	806 906	9.12	38	9.12	33	GL0B UNIF	MV 0 3
2016	LUAD Y	806 906	9.12	72	9.12	63	GL0B UNIF	MV 0 3
2017	LUAD Z	806 906	9.12	12	9.12	10	GL0B UNIF	MV 0 3
2019	LUAD A	806 906	18.25	33	9.12	29	GL0B UNIF	MV 0 3
2019	LUAD Y	806 906	18.25	63	9.12	54	GL0B UNIF	MV 0 3
2020	LUAD Z	806 906	18.25	10	9.12	09	GL0B UNIF	MV 0 3
2021	LUAD A	9011001	0.00	52	9.12	47	GL0B UNIF	MV 0 3
2022	LUAD Y	9011001	0.00	80	9.12	75	GL0B UNIF	MV 0 3
2023	LUAD Z	9011001	0.00	1	9.12	1	GL0B UNIF	MV 0 3
2024	LUAD A	9011001	9.12	47	9.12	40	GL0B UNIF	MV 0 3
2025	LUAD Y	9011001	9.12	75	9.12	65	GL0B UNIF	MV 0 3
2026	LUAD Z	9011001	9.12	1	9.12	6	GL0B UNIF	MV 0 3
2026	LUAD Y	9011001	18.25	40	9.12	06	GL0B UNIF	MV 0 3
2027	LUAD X	9031003	0.00	65	9.12	10	GL0B UNIF	MV 0 3
2028	LUAD Y	9031003	0.00	54	9.12	52	GL0B UNIF	MV 0 3
2029	LUAD Z	9031003	0.00	100	9.12	95	GL0B UNIF	MV 0 3
2031	LUAD Z	9031003	0.00	16	9.12	15	GL0B UNIF	MV 0 3
2032	LUAD X	9031003	9.12	52	9.12	47	GL0B UNIF	MV 0 3
2033	LUAD Y	9031003	9.12	95	9.12	66	GL0B UNIF	MV 0 3
2034	LUAD Z	9031003	9.12	15	9.12	14	GL0B UNIF	MV 0 3
2035	LUAD X	9031003	18.25	47	9.12	21	GL0B UNIF	MV 0 3
2036	LUAD Y	9031003	18.25	60	9.12	38	GL0B UNIF	MV 0 3
2037	LUAD Z	9031003	18.25	14	9.12	06	GL0B UNIF	MV 0 3
2038	LUAD X	9061006	0.00	29	9.12	26	GL0B UNIF	MV 0 3
2039	LUAD Y	9061006	0.00	54	9.12	47	GL0B UNIF	MV 0 3
2040	LUAD Z	9061006	0.00	09	9.12	08	GL0B UNIF	MV 0 3
2041	LUAD A	9061006	9.12	26	9.12	20	GL0B UNIF	MV 0 3
2042	LUAD Y	9061006	9.12	47	9.12	35	GL0B UNIF	MV 0 3
2043	LUAD Z	9061006	9.12	08	9.12	06	GL0B UNIF	MV 0 3
2044	LUAD A	9061006	18.25	20	5.77	11	GL0B UNIF	MV 0 3
2045	LUAD Y	9061006	24.02	35	5.07	14	GL0B UNIF	MV 0 3
2046	LUAD Z	9061006	18.25	00	5.08	03	GL0B UNIF	MV 0 3
2047	LUAD A	9061006	24.13	03	5.24	03	GL0B UNIF	MV 0 3
2050	LUAD Y	401 510	0.00	135			GL0B UNIF	MN 0 4
2051	LUAD X	401 510	0.00	135			GL0B UNIF	MN 0 4
2052	LUAD Y	405 511	0.00	135			GL0B UNIF	MN 0 4
2053	LUAD Z	405 511	0.00	135			GL0B UNIF	MN 0 4
2054	LUAD A	405 512	0.00	135			GL0B UNIF	MN 0 4
2055	LUAD Y	405 512	0.00	135			GL0B UNIF	MN 0 4
2056	LUAD Z	405 512	0.00	135			GL0B UNIF	MN 0 4
2057	LUAD X	401 510	0.00	320			GL0B UNIF	MN 0 4
2058	LUAD Y	401 510	0.00	320			GL0B UNIF	MN 0 4
2059	LUAD Z	401 510	0.00	320			GL0B UNIF	MN 0 4



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

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

LINE NO.	1	2	3	4	5	6	7	8
2054	LJAU Y 403 511	0.00	326					MN 0 4
2050	LJAU X 403 511				0.00	189520		MN 0 4
2061	LJAU X 406 512	0.00	326					MN 0 4
2052	LJAU X 406 512				0.00	189520		MN 0 4
2063	LJAU X 201 303	23.86	16	2.93	17			MV 0 4
2064	LJAU Y 201 303	23.86	155	2.93	223			MV 0 4
2065	LJAU Z 201 303	23.86	31	2.93	34			MV 0 4
2066	LJAU X 201 303	26.79	17	2.93	18			MV 0 4
2067	LJAU Y 201 303	26.79	225	2.93	263			MV 0 4
2068	LJAU Z 201 303	26.79	34	2.93	35			MV 0 4
2069	LJAU X 201 303	29.72	18	2.93	19			MV 0 4
2070	LJAU Y 201 303	29.72	263	2.93	275			MV 0 4
2071	LJAU Z 201 303	29.72	35	2.93	37			MV 0 4
2072	LJAU X 203 306	19.72	43	4.31	59			MV 0 4
2073	LJAU Y 203 306	19.72	99	4.31	124			MV 0 4
2074	LJAU Z 203 306	19.72	124	4.31	150			MV 0 4
2075	LJAU X 203 306	24.03	54	4.31	60			MV 0 4
2076	LJAU Y 203 306	24.03	124	4.31	125			MV 0 4
2077	LJAU Z 203 306	24.03	150	4.31	152			MV 0 4
2078	LJAU X 203 306	28.34	60	4.31	57			MV 0 4
2079	LJAU Y 203 306	28.34	125	4.31	122			MV 0 4
2080	LJAU Z 203 306	28.34	152	4.31	149			MV 0 4
2081	LJAU X 206 301	21.53	64	3.71	80			MV 0 4
2082	LJAU Y 206 301	21.53	40	3.71	63			MV 0 4
2083	LJAU Z 206 301	21.53	95	3.71	27			MV 0 4
2084	LJAU X 206 301	25.23	80	3.71	99			MV 0 4
2085	LJAU Y 206 301	25.23	63	3.71	86			MV 0 4
2086	LJAU Z 206 301	25.23	27	3.71	51			MV 0 4
2087	LJAU X 206 301	28.94	99	3.71	103			MV 0 4
2088	LJAU Y 206 301	28.94	86	3.71	96			MV 0 4
2089	LJAU Z 206 301	28.94	51	3.71	60			MV 0 4
2090	LJAU X 301 403	0.00	05	20.33	07			MV 0 4
2091	LJAU Y 301 403	0.00	135	20.33	176			MV 0 4
2092	LJAU Z 301 403	0.00	05	20.33	06			MV 0 4
2093	LJAU X 301 403	20.33	07	20.33	08			MV 0 4
2094	LJAU Y 301 403	20.33	176	20.33	118			MV 0 4
2095	LJAU Z 301 403	20.33	08	20.33	08			MV 0 4
2096	LJAU X 301 303	0.00	116	29.00	116			MV 0 4
2097	LJAU Y 301 303	0.00	06	29.00	06			MV 0 4
2098	LJAU Z 301 303	0.00	50	14.50	56			MV 0 4
2099	LJAU X 303 306	0.00	29	14.50	32			MV 0 4
2100	LJAU Y 303 306	0.00	06	14.50	16			MV 0 4
2101	LJAU Z 303 306	14.50	56	14.50	50			MV 0 4
2102	LJAU X 303 306	14.50	32	14.50	29			MV 0 4
2103	LJAU Y 303 306	14.50	16	14.50	23			MV 0 4
2104	LJAU Z 303 306	0.00	50	14.50	56			MV 0 4
2105	LJAU X 301 306	0.00	29	14.50	32			MV 0 4
2106	LJAU Y 301 306	0.00	06	14.50	16			MV 0 4
2107	LJAU Z 301 306	14.50	56	14.50	50			MV 0 4

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

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

LINE NO.	1	2	3	4	5	6	7	8
2108	LUAV Y 501 506	14.50-	32	14.50-	29	GLUB UNIF	MV 0 4	
2109	LUAV Z 501 506	14.50-	16	14.50-	23	GLUB UNIF	MV 0 4	
2110	LUAV Y 501 502	0.00-	70	15.15-	70	GLUB UNIF	MV 0 4	
2111	LUAV Z 501 502	0.00-	06	15.15-	06	GLUB UNIF	MV 0 4	
2112	LUAV Y 502 503	0.00-	70	15.15-	70	GLUB UNIF	MV 0 4	
2113	LUAV Z 502 503	0.00-	06	15.15-	06	GLUB UNIF	MV 0 4	
2114	LUAV X 503 505	0.00-	30	15.15-	30	GLUB UNIF	MV 0 4	
2115	LUAV Y 503 505	0.00-	17	15.15-	17	GLUB UNIF	MV 0 4	
2116	LUAV Z 503 505	0.00-	06	15.15-	06	GLUB UNIF	MV 0 4	
2117	LUAV X 505 506	0.00-	30	15.15-	29	GLUB UNIF	MV 0 4	
2118	LUAV Y 505 506	0.00-	17	15.15-	16	GLUB UNIF	MV 0 4	
2119	LUAV Z 505 506	0.00-	06	15.15-	10	GLUB UNIF	MV 0 4	
2120	LUAV X 501 504	0.00-	30	15.15-	30	GLUB UNIF	MV 0 4	
2121	LUAV Y 501 504	0.00-	17	15.15-	17	GLUB UNIF	MV 0 4	
2122	LUAV Z 501 504	0.00-	06	15.15-	06	GLUB UNIF	MV 0 4	
2123	LUAV A 504 506	0.00-	30	15.15-	29	GLUB UNIF	MV 0 4	
2124	LUAV Y 504 506	0.00-	17	15.15-	16	GLUB UNIF	MV 0 4	
2125	LUAV Z 504 506	0.00-	06	15.15-	10	GLUB UNIF	MV 0 4	
2126	LUAV X 502 504	0.00-	24	15.15-	24	GLUB UNIF	MV 0 4	
2127	LUAV Y 502 504	0.00-	14	15.15-	14	GLUB UNIF	MV 0 4	
2128	LUAV Z 502 504	0.00-	04	15.15-	05	GLUB UNIF	MV 0 4	
2129	LUAV A 502 505	0.00-	24	15.15-	24	GLUB UNIF	MV 0 4	
2130	LUAV Y 502 505	0.00-	14	15.15-	14	GLUB UNIF	MV 0 4	
2131	LUAV Z 502 505	0.00-	04	15.15-	05	GLUB UNIF	MV 0 4	
2132	LUAV X 504 505	0.00-	55	15.14-	55	GLUB UNIF	MV 0 4	
2133	LUAV Y 504 505	0.00-	05	15.14-	05	GLUB UNIF	MV 0 4	
2134	LUAV Z 504 505	0.00-	22	5.00-	22	GLUB UNIF	MV 0 4	
2135	LUAV X 501 513	0.00-	39	5.00-	39	GLUB UNIF	MV 0 4	
2136	LUAV Y 501 513	0.00-	03	5.00-	03	GLUB UNIF	MV 0 4	
2137	LUAV Z 501 513	0.00-	22	5.00-	22	GLUB UNIF	MV 0 4	
2138	LUAV A 503 514	0.00-	39	5.00-	39	GLUB UNIF	MV 0 4	
2139	LUAV Y 503 514	0.00-	03	5.00-	03	GLUB UNIF	MV 0 4	
2140	LUAV Z 503 514	0.00-	193	6.00-	171	GLUB UNIF	MV 0 4	
2141	LUAV X 513 651	6.00-	171	6.00-	153	GLUB UNIF	MV 0 4	
2142	LUAV Y 513 651	12.00-	153	6.00-	138	GLUB UNIF	MV 0 4	
2143	LUAV Z 514 653	0.00-	193	6.00-	171	GLUB UNIF	MV 0 4	
2144	LUAV X 514 653	6.00-	171	6.00-	153	GLUB UNIF	MV 0 4	
2145	LUAV Y 514 653	12.00-	153	6.00-	138	GLUB UNIF	MV 0 4	
2146	LUAV Z 601 611	0.00-	04	6.00-	03	GLUB UNIF	MV 0 4	
2147	LUAV X 603 613	0.00-	04	6.00-	03	GLUB UNIF	MV 0 4	
2148	LUAV Y 611 612	0.00-	44	16.01-	44	GLUB UNIF	MV 0 4	
2149	LUAV Z 611 612	0.00-	02	16.01-	02	GLUB UNIF	MV 0 4	
2150	LUAV X 612 613	0.00-	44	16.01-	44	GLUB UNIF	MV 0 4	
2151	LUAV Y 612 613	0.00-	02	16.01-	02	GLUB UNIF	MV 0 4	
2152	LUAV Z 601 602	0.00-	76	17.75-	76	GLUB UNIF	MV 0 4	
2153	LUAV X 601 602	0.00-	1	17.75-	1	GLUB UNIF	MV 0 4	
2154	LUAV Y 602 603	0.00-	76	17.75-	76	GLUB UNIF	MV 0 4	
2155	LUAV Z 602 603	0.00-	1	17.75-	1	GLUB UNIF	MV 0 4	
2156	LUAV X 611 651	0.00-	63	6.00-	63	GLUB UNIF	MV 0 4	

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

LINE NO.	1	2	3	4	5	6	7	8
2157	LUAU Y 611 601	0.00=	121	6.06=	109	GLUB UNIF		MV 0 4
2158	LUAU X 611 601	6.06=	03	6.06=	03	GLUB UNIF		MV 0 4
2159	LUAU Y 611 601	6.06=	109	6.06=	98	GLUB UNIF		MV 0 4
2160	LUAU Y 612 602	0.00=	77	6.00=	69	GLUB UNIF		MV 0 4
2161	LUAU Y 612 602	6.00=	69	6.00=	62	GLUB UNIF		MV 0 4
2162	LUAU X 613 603	0.00=	03	6.06=	03	GLUB UNIF		MV 0 4
2163	LUAU Y 613 603	0.00=	121	6.06=	109	GLUB UNIF		MV 0 4
2164	LUAU X 613 603	6.06=	03	6.06=	03	GLUB UNIF		MV 0 4
2165	LUAU Y 613 603	6.06=	109	6.06=	98	GLUB UNIF		MV 0 4
2166	LUAU X 501 642	0.00=	06	10.12=	08	GLUB UNIF		MV 0 4
2167	LUAU Y 501 642	0.00=	06	10.12=	08	GLUB UNIF		MV 0 4
2168	LUAU Z 501 642	0.00=	04	10.12=	04	GLUB UNIF		MV 0 4
2169	LUAU X 501 642	10.12=	08	10.12=	07	GLUB UNIF		MV 0 4
2170	LUAU Y 501 642	10.12=	78	10.12=	70	GLUB UNIF		MV 0 4
2171	LUAU Z 501 642	10.12=	04	10.12=	04	GLUB UNIF		MV 0 4
2172	LUAU X 503 645	0.00=	21	10.12=	16	GLUB UNIF		MV 0 4
2173	LUAU Y 503 645	0.00=	47	10.12=	42	GLUB UNIF		MV 0 4
2174	LUAU Z 503 645	0.00=	45	10.12=	41	GLUB UNIF		MV 0 4
2175	LUAU X 503 645	10.12=	16	10.12=	15	GLUB UNIF		MV 0 4
2176	LUAU Y 503 645	10.12=	42	10.12=	38	GLUB UNIF		MV 0 4
2177	LUAU Z 503 645	10.12=	41	10.12=	37	GLUB UNIF		MV 0 4
2178	LUAU X 506 644	0.00=	26	6.75=	27	GLUB UNIF		MV 0 4
2179	LUAU Y 506 644	0.00=	39	6.75=	37	GLUB UNIF		MV 0 4
2180	LUAU Z 506 644	0.00=	23	6.75=	22	GLUB UNIF		MV 0 4
2181	LUAU X 506 644	6.75=	27	6.75=	25	GLUB UNIF		MV 0 4
2182	LUAU Y 506 644	6.75=	37	6.75=	36	GLUB UNIF		MV 0 4
2183	LUAU Z 506 644	6.75=	22	6.75=	21	GLUB UNIF		MV 0 4
2184	LUAU X 506 644	13.49=	25	6.75=	24	GLUB UNIF		MV 0 4
2185	LUAU Y 506 644	13.49=	36	6.75=	34	GLUB UNIF		MV 0 4
2186	LUAU Z 506 644	13.49=	21	6.75=	20	GLUB UNIF		MV 0 4
2187	LUAU X 642 703	0.00=	08	7.31=	08	GLUB UNIF		MV 0 4
2188	LUAU Y 642 703	0.00=	104	7.31=	96	GLUB UNIF		MV 0 4
2189	LUAU Z 642 703	0.00=	03	7.31=	03	GLUB UNIF		MV 0 4
2190	LUAU X 642 703	7.31=	08	7.31=	07	GLUB UNIF		MV 0 4
2191	LUAU Y 642 703	7.31=	96	7.31=	89	GLUB UNIF		MV 0 4
2192	LUAU Z 642 703	7.31=	03	7.31=	03	GLUB UNIF		MV 0 4
2193	LUAU X 642 703	14.62=	07	7.31=	07	GLUB UNIF		MV 0 4
2194	LUAU Y 642 703	14.62=	89	7.31=	82	GLUB UNIF		MV 0 4
2195	LUAU Z 642 703	14.62=	03	7.31=	03	GLUB UNIF		MV 0 4
2196	LUAU X 645 706	0.00=	24	7.31=	22	GLUB UNIF		MV 0 4
2197	LUAU Y 645 706	0.00=	55	7.31=	51	GLUB UNIF		MV 0 4
2198	LUAU Z 645 706	0.00=	52	7.31=	48	GLUB UNIF		MV 0 4
2199	LUAU X 645 706	7.31=	22	7.31=	20	GLUB UNIF		MV 0 4
2200	LUAU Y 645 706	7.31=	51	7.31=	46	GLUB UNIF		MV 0 4
2201	LUAU Z 645 706	7.31=	48	7.31=	44	GLUB UNIF		MV 0 4
2202	LUAU X 645 706	14.62=	20	7.31=	18	GLUB UNIF		MV 0 4
2203	LUAU Y 645 706	14.62=	46	7.31=	42	GLUB UNIF		MV 0 4
2204	LUAU Z 645 706	14.62=	44	7.31=	40	GLUB UNIF		MV 0 4
2205	LUAU X 645 706	0.00=	34	7.31=	31	GLUB UNIF		MV 0 4

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

U.S. NAVY - ACMH PLATFORMS - PLATFORM NU. 2 = MHL 93.0 FEET - 50 YR STORM

LINE NO.	1	2	3	4	5	6	7	8
2206	LUAD Y 644 701	0.00	55	7.31	49	GL0B UNIF	MV 0 4	
2207	LUAD Z 644 701	0.00	34	7.31	32	GL0B UNIF	MV 0 4	
2208	LUAD X 644 701	7.31	31	7.31	29	GL0B UNIF	MV 0 4	
2209	LUAD Y 644 701	7.31	49	7.31	46	GL0B UNIF	MV 0 4	
2210	LUAD Z 644 701	7.31	32	7.31	30	GL0B UNIF	MV 0 4	
2211	LUAD X 644 701	14.62	29	7.31	27	GL0B UNIF	MV 0 4	
2212	LUAD Y 644 701	14.62	46	7.31	42	GL0B UNIF	MV 0 4	
2213	LUAD Z 644 701	14.62	30	7.31	28	GL0B UNIF	MV 0 4	
2214	LUAD X 701 702	0.00	54	16.76	54	GL0B UNIF	MV 0 4	
2215	LUAD Y 701 702	0.00	62	16.76	62	GL0B UNIF	MV 0 4	
2216	LUAD Z 702 703	0.00	54	16.76	54	GL0B UNIF	MV 0 4	
2217	LUAD X 702 703	0.00	62	16.76	62	GL0B UNIF	MV 0 4	
2218	LUAD Y 703 705	0.00	23	16.76	24	GL0B UNIF	MV 0 4	
2219	LUAD Z 703 705	0.00	13	16.76	14	GL0B UNIF	MV 0 4	
2220	LUAD X 703 705	0.00	62	16.76	63	GL0B UNIF	MV 0 4	
2221	LUAD Y 705 706	0.00	24	16.75	23	GL0B UNIF	MV 0 4	
2222	LUAD Z 705 706	0.00	14	16.75	13	GL0B UNIF	MV 0 4	
2223	LUAD X 705 706	0.00	63	16.75	63	GL0B UNIF	MV 0 4	
2224	LUAD Y 701 704	0.00	23	16.76	24	GL0B UNIF	MV 0 4	
2225	LUAD Z 701 704	0.00	13	16.76	14	GL0B UNIF	MV 0 4	
2226	LUAD X 701 704	0.00	62	16.76	63	GL0B UNIF	MV 0 4	
2227	LUAD Y 704 706	0.00	24	16.75	23	GL0B UNIF	MV 0 4	
2228	LUAD Z 704 706	0.00	14	16.75	13	GL0B UNIF	MV 0 4	
2229	LUAD X 704 706	0.00	63	16.75	63	GL0B UNIF	MV 0 4	
2230	LUAD Y 702 704	0.00	21	16.76	21	GL0B UNIF	MV 0 4	
2231	LUAD Z 702 704	0.00	12	16.76	12	GL0B UNIF	MV 0 4	
2232	LUAD X 702 704	0.00	66	16.76	67	GL0B UNIF	MV 0 4	
2233	LUAD Y 702 705	0.00	21	16.76	21	GL0B UNIF	MV 0 4	
2234	LUAD Z 702 705	0.00	12	16.76	12	GL0B UNIF	MV 0 4	
2235	LUAD X 702 705	0.00	66	16.76	67	GL0B UNIF	MV 0 4	
2236	LUAD Y 704 705	0.00	48	16.76	48	GL0B UNIF	MV 0 4	
2237	LUAD Z 704 705	0.00	07	16.76	07	GL0B UNIF	MV 0 4	
2238	LUAD X 701 805	0.00	22	16.27	19	GL0B UNIF	MV 0 4	
2239	LUAD Y 701 805	0.00	39	16.27	34	GL0B UNIF	MV 0 4	
2240	LUAD Z 701 805	0.00	39	16.27	35	GL0B UNIF	MV 0 4	
2241	LUAD X 701 806	16.27	19	16.27	18	GL0B UNIF	MV 0 4	
2242	LUAD Y 701 806	16.27	34	16.27	30	GL0B UNIF	MV 0 4	
2243	LUAD Z 701 806	16.27	35	16.27	30	GL0B UNIF	MV 0 4	
2244	LUAD X 701 806	32.55	16	16.27	14	GL0B UNIF	MV 0 4	
2245	LUAD Y 701 806	32.55	30	16.27	25	GL0B UNIF	MV 0 4	
2246	LUAD Z 701 806	32.55	30	16.27	25	GL0B UNIF	MV 0 4	
2247	LUAD X 703 801	0.00	07	16.26	06	GL0B UNIF	MV 0 4	
2248	LUAD Y 703 801	0.00	42	16.26	42	GL0B UNIF	MV 0 4	
2249	LUAD Z 703 801	0.00	04	16.26	03	GL0B UNIF	MV 0 4	
2250	LUAD X 703 801	16.26	66	16.26	65	GL0B UNIF	MV 0 4	
2251	LUAD Y 703 801	16.26	72	16.26	63	GL0B UNIF	MV 0 4	
2252	LUAD Z 703 801	16.26	03	16.26	03	GL0B UNIF	MV 0 4	
2253	LUAD X 703 801	32.55	05	16.26	04	GL0B UNIF	MV 0 4	
2254	LUAD Y 703 801	32.55	63	16.26	58	GL0B UNIF	MV 0 4	

STRAN INPUT DATA

U.S. NAVY - 4CMM PLATFORMS - PLATFORM NO. 2 - MRL 93.0 FEET - 50 YR STORM

LINE NO. 1 2 3 4 5 6 7 8

2255	LUAD Z	703 801	32.55=	03	16.28=	02	GL08 UNIF	MV 0 4
2256	LUAD X	706 803	0.00	28	16.28	26	GL08 UNIF	MV 0 4
2257	LUAD Y	706 803	0.00=	34	16.28=	32	GL08 UNIF	MV 0 4
2258	LUAD Z	706 803	0.00	22	16.28=	21	GL08 UNIF	MV 0 4
2259	LUAD X	706 803	16.28	26	16.28	23	GL08 UNIF	MV 0 4
2260	LUAD Y	706 803	16.28=	32	16.28=	29	GL08 UNIF	MV 0 4
2261	LUAD Z	706 803	16.28	21	16.28	19	GL08 UNIF	MV 0 4
2262	LUAD X	706 803	32.55	23	16.28	20	GL08 UNIF	MV 0 4
2263	LUAD Y	706 803	32.55=	29	16.28=	26	GL08 UNIF	MV 0 4
2264	LUAD Z	706 803	32.55	19	16.28	18	GL08 UNIF	MV 0 4
2265	LUAD X	801 802	0.00=	36	22.51=	36	GL08 UNIF	MV 0 4
2266	LUAD Y	801 802	0.00=	1	22.51=	1	GL08 UNIF	MV 0 4
2267	LUAD Z	802 803	0.00=	36	22.51=	36	GL08 UNIF	MV 0 4
2268	LUAD X	803 805	0.00=	1	22.51=	1	GL08 UNIF	MV 0 4
2269	LUAD Y	803 805	0.00=	16	22.51=	16	GL08 UNIF	MV 0 4
2270	LUAD Z	803 805	0.00=	09	22.51=	09	GL08 UNIF	MV 0 4
2271	LUAD X	805 806	0.00=	1	22.51=	02	GL08 UNIF	MV 0 4
2272	LUAD Y	805 806	0.00=	16	22.51=	15	GL08 UNIF	MV 0 4
2273	LUAD Z	805 806	0.00=	09	22.51=	09	GL08 UNIF	MV 0 4
2274	LUAD X	806 806	0.00=	02	22.51=	02	GL08 UNIF	MV 0 4
2275	LUAD Y	806 806	0.00=	16	22.51=	16	GL08 UNIF	MV 0 4
2276	LUAD Z	806 806	0.00=	09	22.51=	09	GL08 UNIF	MV 0 4
2277	LUAD X	806 806	0.00=	1	22.51=	02	GL08 UNIF	MV 0 4
2278	LUAD Y	806 806	0.00=	16	22.51=	15	GL08 UNIF	MV 0 4
2279	LUAD Z	806 806	0.00=	09	22.51=	09	GL08 UNIF	MV 0 4
2280	LUAD X	806 806	0.00=	02	22.51=	02	GL08 UNIF	MV 0 4
2281	LUAD Y	806 806	0.00	14	22.52	14	GL08 UNIF	MV 0 4
2282	LUAD Z	806 806	0.00=	08	22.52=	08	GL08 UNIF	MV 0 4
2283	LUAD X	806 806	0.00=	04	22.52=	05	GL08 UNIF	MV 0 4
2284	LUAD Y	806 806	0.00=	14	22.52=	14	GL08 UNIF	MV 0 4
2285	LUAD Z	806 806	0.00=	08	22.52=	08	GL08 UNIF	MV 0 4
2286	LUAD X	806 806	0.00=	04	22.52=	05	GL08 UNIF	MV 0 4
2287	LUAD Y	806 806	0.00=	33	22.52=	33	GL08 UNIF	MV 0 4
2288	LUAD Z	806 806	0.00=	05	22.52=	05	GL08 UNIF	MV 0 4
2289	LUAD X	806 806	0.00	04	18.64	04	GL08 UNIF	MV 0 4
2290	LUAD Y	806 806	0.00=	50	18.64=	50	GL08 UNIF	MV 0 4
2291	LUAD Z	806 806	0.00=	03	18.64=	02	GL08 UNIF	MV 0 4
2292	LUAD X	806 806	18.64	04	18.64	03	GL08 UNIF	MV 0 4
2293	LUAD Y	806 806	18.64=	50	18.64=	40	GL08 UNIF	MV 0 4
2294	LUAD Z	806 806	18.64=	02	18.64=	02	GL08 UNIF	MV 0 4
2295	LUAD X	806 806	37.28	03	18.64	03	GL08 UNIF	MV 0 4
2296	LUAD Y	806 806	37.28=	40	18.64=	42	GL08 UNIF	MV 0 4
2297	LUAD Z	806 806	37.28=	02	18.64=	1	GL08 UNIF	MV 0 4
2298	LUAD X	806 806	0.00	17	18.64	15	GL08 UNIF	MV 0 4
2299	LUAD Y	806 806	0.00=	24	18.64=	22	GL08 UNIF	MV 0 4
2300	LUAD Z	806 806	0.00=	25	18.64=	23	GL08 UNIF	MV 0 4
2301	LUAD X	806 806	18.64	15	18.64	13	GL08 UNIF	MV 0 4
2302	LUAD Y	806 806	18.64=	22	18.64=	19	GL08 UNIF	MV 0 4
2303	LUAD Z	806 806	18.64=	25	18.64=	20	GL08 UNIF	MV 0 4

STRAN INPUT DATA

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

LINE NO.	1	2	3	4	5	6	7	8
2304	LJAU X 803 906	37.24	13	18.64	11	GL08 UNIF	MV 0 4	
2305	LJAU Y 803 906	37.28	19	18.64	16	GL08 UNIF	MV 0 4	
2306	LJAU Z 803 906	37.28	20	18.64	16	GL08 UNIF	MV 0 4	
2307	LJAU X 806 901	0.00	19	18.64	18	GL08 UNIF	MV 0 4	
2308	LJAU Y 806 901	0.00	21	18.64	21	GL08 UNIF	MV 0 4	
2309	LJAU Z 806 901	0.00	13	18.64	14	GL08 UNIF	MV 0 4	
2310	LJAU X 806 901	18.64	18	18.64	17	GL08 UNIF	MV 0 4	
2311	LJAU Y 806 901	18.64	21	18.64	19	GL08 UNIF	MV 0 4	
2312	LJAU Z 806 901	18.64	14	18.64	13	GL08 UNIF	MV 0 4	
2313	LJAU X 805 901	37.24	17	18.64	15	GL08 UNIF	MV 0 4	
2314	LJAU Y 805 901	37.28	19	18.64	16	GL08 UNIF	MV 0 4	
2315	LJAU Z 805 901	37.28	13	18.64	13	GL08 UNIF	MV 0 4	
2316	LJAU X 901 902	0.00	29	26.41	29	GL08 UNIF	MV 0 4	
2317	LJAU Y 901 902	0.00	1	26.41	1	GL08 UNIF	MV 0 4	
2318	LJAU Z 901 902	0.00	29	26.41	29	GL08 UNIF	MV 0 4	
2319	LJAU X 902 903	0.00	1	26.41	1	GL08 UNIF	MV 0 4	
2320	LJAU Y 902 903	0.00	13	26.41	13	GL08 UNIF	MV 0 4	
2321	LJAU Z 902 903	0.00	07	26.41	08	GL08 UNIF	MV 0 4	
2322	LJAU X 903 905	0.00	1	26.41	1	GL08 UNIF	MV 0 4	
2323	LJAU Y 903 905	0.00	13	26.41	12	GL08 UNIF	MV 0 4	
2324	LJAU Z 903 905	0.00	07	26.41	07	GL08 UNIF	MV 0 4	
2325	LJAU X 905 906	0.00	1	26.41	1	GL08 UNIF	MV 0 4	
2326	LJAU Y 905 906	0.00	13	26.41	13	GL08 UNIF	MV 0 4	
2327	LJAU Z 905 906	0.00	07	26.41	08	GL08 UNIF	MV 0 4	
2328	LJAU X 901 904	0.00	1	26.41	1	GL08 UNIF	MV 0 4	
2329	LJAU Y 901 904	0.00	13	26.41	12	GL08 UNIF	MV 0 4	
2330	LJAU Z 901 904	0.00	07	26.41	07	GL08 UNIF	MV 0 4	
2331	LJAU X 904 906	0.00	1	26.41	1	GL08 UNIF	MV 0 4	
2332	LJAU Y 904 906	0.00	11	26.41	10	GL08 UNIF	MV 0 4	
2333	LJAU Z 904 906	0.00	06	26.41	06	GL08 UNIF	MV 0 4	
2334	LJAU X 902 904	0.00	02	26.41	02	GL08 UNIF	MV 0 4	
2335	LJAU Y 902 904	0.00	11	26.41	10	GL08 UNIF	MV 0 4	
2336	LJAU Z 902 904	0.00	06	26.41	06	GL08 UNIF	MV 0 4	
2337	LJAU X 902 905	0.00	02	26.41	02	GL08 UNIF	MV 0 4	
2338	LJAU Y 902 905	0.00	24	26.41	24	GL08 UNIF	MV 0 4	
2339	LJAU Z 902 905	0.00	02	26.41	02	GL08 UNIF	MV 0 4	
2340	LJAU X 9011002	0.00	02	12.61	02	GL08 UNIF	MV 0 4	
2341	LJAU Y 9011002	0.00	33	12.61	31	GL08 UNIF	MV 0 4	
2342	LJAU Z 9011002	0.00	1	12.61	1	GL08 UNIF	MV 0 4	
2343	LJAU X 9011002	12.61	02	12.61	1	GL08 UNIF	MV 0 4	
2344	LJAU Y 9011002	12.61	31	12.61	27	GL08 UNIF	MV 0 4	
2345	LJAU Z 9011002	12.61	1	12.61	1	GL08 UNIF	MV 0 4	
2346	LJAU X 9011002	25.22	1	12.61	04	GL08 UNIF	MV 0 4	
2347	LJAU Y 9011002	25.22	27	12.61	04	GL08 UNIF	MV 0 4	
2348	LJAU Z 9011002	25.22	1	12.61	02	GL08 UNIF	MV 0 4	
2349	LJAU X 9031002	0.00	02	12.61	02	GL08 UNIF	MV 0 4	
2350	LJAU Y 9031002	0.00	33	12.61	31	GL08 UNIF	MV 0 4	
2351	LJAU Z 9031002	0.00	1	12.61	1	GL08 UNIF	MV 0 4	
2352	LJAU X 9031002	12.61	02	12.61	1	GL08 UNIF	MV 0 4	

STATION INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STUMM

LINE NO.	1	2	3	4	5	6	7	8
2353	LUAV Y 9031002	12.61=	31	12.61=	27	GL0B UNIF	MV 0 4	
2354	LUAV Z 9031002	12.61	1	12.61	1	GL0B UNIF	MV 0 4	
2355	LUAV X 9031002	25.22=	1	12.61		GL0B UNIF	MV 0 4	
2356	LUAV Y 9031002	25.22=	27	12.61=	04	GL0B UNIF	MV 0 4	
2357	LUAV Z 9031002	25.22=	06	12.61		GL0B UNIF	MV 0 4	
2358	LUAV X 9031005	0.00=	06	12.61		GL0B UNIF	MV 0 4	
2359	LUAV Y 9031005	0.00=	21	12.61=	19	GL0B UNIF	MV 0 4	
2360	LUAV Z 9031005	0.00=	16	12.61=	15	GL0B UNIF	MV 0 4	
2361	LUAV X 9031005	12.61	06	12.61	05	GL0B UNIF	MV 0 4	
2362	LUAV Y 9031005	12.61=	19	12.61=	16	GL0B UNIF	MV 0 4	
2363	LUAV Z 9031005	12.61=	15	12.61=	13	GL0B UNIF	MV 0 4	
2364	LUAV X 9031005	25.23	05	12.61=		GL0B UNIF	MV 0 4	
2365	LUAV Y 9031005	25.23=	16	12.61=	1	GL0B UNIF	MV 0 4	
2366	LUAV Z 9031005	25.23=	13	12.61=	1	GL0B UNIF	MV 0 4	
2367	LUAV X 9041005	0.00	06	12.61	07	GL0B UNIF	MV 0 4	
2368	LUAV Y 9041005	0.00=	20	12.61=	19	GL0B UNIF	MV 0 4	
2369	LUAV Z 9041005	0.00	12	12.61	12	GL0B UNIF	MV 0 4	
2370	LUAV X 9061005	12.61	07	12.61	06	GL0B UNIF	MV 0 4	
2371	LUAV Y 9061005	12.61=	19	12.61=	17	GL0B UNIF	MV 0 4	
2372	LUAV Z 9061005	12.61	12	12.61	10	GL0B UNIF	MV 0 4	
2373	LUAV X 9041005	25.22	06	12.61		GL0B UNIF	MV 0 4	
2374	LUAV Y 9061005	25.22=	17	12.61=	1	GL0B UNIF	MV 0 4	
2375	LUAV Z 9061005	25.22	10	12.61		GL0B UNIF	MV 0 4	
2376	LUAV X 9011004	0.00=	06	12.61=	06	GL0B UNIF	MV 0 4	
2377	LUAV Y 9011004	0.00=	21	12.61=	19	GL0B UNIF	MV 0 4	
2378	LUAV Z 9011004	0.00=	16	12.61=	15	GL0B UNIF	MV 0 4	
2379	LUAV X 9011004	12.61=	06	12.61=	05	GL0B UNIF	MV 0 4	
2380	LUAV Y 9011004	12.61=	19	12.61=	16	GL0B UNIF	MV 0 4	
2381	LUAV Z 9011004	12.61=	15	12.61=	13	GL0B UNIF	MV 0 4	
2382	LUAV X 9011004	25.23=	05	12.61		GL0B UNIF	MV 0 4	
2383	LUAV Y 9011004	25.23=	16	12.61=	1	GL0B UNIF	MV 0 4	
2384	LUAV Z 9011004	25.23=	13	12.61=	1	GL0B UNIF	MV 0 4	
2385	LUAV X 9021004	0.00=	09	12.61=	07	GL0B UNIF	MV 0 4	
2386	LUAV Y 9021004	0.00=	20	12.61=	19	GL0B UNIF	MV 0 4	
2387	LUAV Z 9021004	0.00	12	12.61	12	GL0B UNIF	MV 0 4	
2388	LUAV X 9021004	12.61=	07	12.61=	06	GL0B UNIF	MV 0 4	
2389	LUAV Y 9021004	12.61=	19	12.61=	17	GL0B UNIF	MV 0 4	
2390	LUAV Z 9021004	12.61	12	12.61	10	GL0B UNIF	MV 0 4	
2391	LUAV X 9061004	25.22=	06	12.61		GL0B UNIF	MV 0 4	
2392	LUAV Y 9061004	25.22=	17	12.61=	1	GL0B UNIF	MV 0 4	
2393	LUAV Z 9061004	25.22	10	12.61	1	GL0B UNIF	MV 0 4	
2394	LUAV X 10011002	0.00=	05	30.31=	05	GL0B UNIF	MV 0 4	
2395	LUAV Y 10021003	0.00=	05	30.31=	05	GL0B UNIF	MV 0 4	
2396	LUAV X 10031005	0.00	02	10.10	02	GL0B UNIF	MV 0 4	
2397	LUAV Y 10031005	0.00=	1	10.10=	1	GL0B UNIF	MV 0 4	
2398	LUAV Z 10031005	10.10	02	10.10	02	GL0B UNIF	MV 0 4	
2399	LUAV X 10031005	10.10=	1	10.10=	1	GL0B UNIF	MV 0 4	
2400	LUAV Y 10031005	20.21	02	10.10	1	GL0B UNIF	MV 0 4	
2401	LUAV Z 10031005	20.21=	1	10.10=	1	GL0B UNIF	MV 0 4	

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

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

LINE NO.	1	2	3	4	5	6	7	8
2402	LJAU X 10051006	0.00	1	10.10	1	GL08 UNIF	MV 0 4	
2403	LJAU Y 10051006	0.00	1	10.10		GL08 UNIF	MV 0 4	
2404	LJAU X 10051006	10.10	1	10.10		GL08 UNIF	MV 0 4	
2405	LJAU X 10011004	0.00	02	10.10	02	GL08 UNIF	MV 0 4	
2406	LJAU Y 10011004	0.00	1	10.10	1	GL08 UNIF	MV 0 4	
2407	LJAU A 10011004	10.10	02	10.10	02	GL08 UNIF	MV 0 4	
2408	LJAU Y 10011004	10.10	1	10.10	1	GL08 UNIF	MV 0 4	
2409	LJAU X 10011004	20.21	02	10.10	1	GL08 UNIF	MV 0 4	
2410	LJAU Y 10011004	20.21	1	10.10	1	GL08 UNIF	MV 0 4	
2411	LJAU X 10041006	0.00	1	10.10	1	GL08 UNIF	MV 0 4	
2412	LJAU Y 10041006	0.00	1	10.10		GL08 UNIF	MV 0 4	
2413	LJAU X 10041006	10.10	1	10.10		GL08 UNIF	MV 0 4	
2414	LJAU X 10021004	0.00	1	10.10	1	GL08 UNIF	MV 0 4	
2415	LJAU Y 10021004	0.00	1	10.10	1	GL08 UNIF	MV 0 4	
2416	LJAU X 10021004	10.10	1	10.10		GL08 UNIF	MV 0 4	
2417	LJAU Y 10021004	10.10	1	10.10	1	GL08 UNIF	MV 0 4	
2418	LJAU X 10021004	20.21	1	10.10	1	GL08 UNIF	MV 0 4	
2419	LJAU Y 10021004	20.21	1	10.10		GL08 UNIF	MV 0 4	
2420	LJAU X 10021005	0.00	1	10.10	1	GL08 UNIF	MV 0 4	
2421	LJAU Y 10021005	0.00	1	10.10	1	GL08 UNIF	MV 0 4	
2422	LJAU X 10021005	10.10	1	10.10	1	GL08 UNIF	MV 0 4	
2423	LJAU Y 10021005	10.10	1	10.10		GL08 UNIF	MV 0 4	
2424	LJAU X 10021005	20.21	1	10.10	1	GL08 UNIF	MV 0 4	
2425	LJAU Y 10021005	20.21	1	10.10		GL08 UNIF	MV 0 4	
2426	LJAU X 10041005	0.00	02	30.30	02	GL08 UNIF	MV 0 4	
2427	LJAU Y 201 301	10.96	91	1.35	139	GL08 UNIF	MV 0 4	
2428	LJAU X 201 301	12.31	139	1.35	166	GL08 UNIF	MV 0 4	
2429	LJAU Y 201 301	13.05	166	1.35	176	GL08 UNIF	MV 0 4	
2430	LJAU X 203 303	10.96	91	1.35	139	GL08 UNIF	MV 0 4	
2431	LJAU Y 203 303	12.31	139	1.35	166	GL08 UNIF	MV 0 4	
2432	LJAU X 203 303	13.05	166	1.35	176	GL08 UNIF	MV 0 4	
2433	LJAU Y 206 306	7.82	41	2.39	89	GL08 UNIF	MV 0 4	
2434	LJAU X 206 306	10.21	89	2.39	138	GL08 UNIF	MV 0 4	
2435	LJAU Y 206 306	12.61	138	2.39	180	GL08 UNIF	MV 0 4	
2436	LJAU X 501 401	0.00	176	4.25	225	GL08 UNIF	MV 0 4	
2437	LJAU Y 501 401	14.25	225	4.25	151	GL08 UNIF	MV 0 4	
2438	LJAU X 503 403	0.00	176	4.25	225	GL08 UNIF	MV 0 4	
2439	LJAU Y 503 403	14.25	225	4.25	151	GL08 UNIF	MV 0 4	
2440	LJAU X 506 406	0.00	160	4.50	214	GL08 UNIF	MV 0 4	
2441	LJAU Y 506 406	4.50	214	4.50	193	GL08 UNIF	MV 0 4	
2442	LJAU X 401 501	0.00	143	4.50	133	GL08 UNIF	MV 0 4	
2443	LJAU Y 401 501	0.00	15	4.50	12	GL08 UNIF	MV 0 4	
2444	LJAU X 401 501	0.00	206	4.50	228	GL08 UNIF	MV 0 4	
2445	LJAU Y 401 501	0.00	19	4.50	17	GL08 UNIF	MV 0 4	
2446	LJAU X 403 503	0.00	13	4.50	12	GL08 UNIF	MV 0 4	
2447	LJAU Y 403 503	0.00	246	4.50	226	GL08 UNIF	MV 0 4	
2448	LJAU X 403 503	0.00	19	4.50	17	GL08 UNIF	MV 0 4	
2449	LJAU Y 406 506	0.00	213	4.50	193	GL08 UNIF	MV 0 4	
2450	LJAU X 406 506	0.00	35	4.50	32	GL08 UNIF	MV 0 4	



STRAN INPUT DATA

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

LINE NO.	1	2	3	4	5	6	7	8
2451	LUAU X 501 601	0.00	12	3.04	12	GL08 UNIF	MV 0 4	
2452	LUAU Y 501 601	0.00	220	3.04	214	GL08 UNIF	MV 0 4	
2453	LUAU Z 501 601	0.00	17	3.04	16	GL08 UNIF	MV 0 4	
2454	LUAU X 501 601	3.04	12	3.04	11	GL08 UNIF	MV 0 4	
2455	LUAU Y 501 601	3.04	214	3.04	201	GL08 UNIF	MV 0 4	
2456	LUAU Z 501 601	3.04	16	3.04	15	GL08 UNIF	MV 0 4	
2457	LUAU X 503 603	0.00	12	3.04	12	GL08 UNIF	MV 0 4	
2458	LUAU Y 503 603	0.00	220	3.04	214	GL08 UNIF	MV 0 4	
2459	LUAU Z 503 603	0.00	17	3.04	16	GL08 UNIF	MV 0 4	
2460	LUAU X 503 603	3.04	12	3.04	11	GL08 UNIF	MV 0 4	
2461	LUAU Y 503 603	3.04	214	3.04	201	GL08 UNIF	MV 0 4	
2462	LUAU Z 503 603	3.04	16	3.04	15	GL08 UNIF	MV 0 4	
2463	LUAU X 506 606	0.00	193	3.04	180	GL08 UNIF	MV 0 4	
2464	LUAU Y 506 606	0.00	32	3.04	30	GL08 UNIF	MV 0 4	
2465	LUAU Z 506 606	3.04	180	3.04	169	GL08 UNIF	MV 0 4	
2466	LUAU X 506 606	3.04	30	3.04	28	GL08 UNIF	MV 0 4	
2467	LUAU Y 501 641	0.00	11	6.08	10	GL08 UNIF	MV 0 4	
2468	LUAU Z 501 641	0.00	201	6.08	181	GL08 UNIF	MV 0 4	
2469	LUAU X 603 643	0.00	15	6.08	14	GL08 UNIF	MV 0 4	
2470	LUAU Y 603 643	0.00	11	6.08	10	GL08 UNIF	MV 0 4	
2471	LUAU Z 603 643	0.00	201	6.08	181	GL08 UNIF	MV 0 4	
2472	LUAU X 606 646	0.00	15	6.08	14	GL08 UNIF	MV 0 4	
2473	LUAU Y 606 646	0.00	169	6.08	150	GL08 UNIF	MV 0 4	
2474	LUAU Z 606 646	0.00	28	6.08	25	GL08 UNIF	MV 0 4	
2475	LUAU X 641 651	0.00	21	6.08	19	GL08 UNIF	MV 0 4	
2476	LUAU Y 641 651	0.00	278	6.08	250	GL08 UNIF	MV 0 4	
2477	LUAU Z 641 651	0.60	20	6.08	18	GL08 UNIF	MV 0 4	
2478	LUAU X 653 653	0.00	21	6.08	19	GL08 UNIF	MV 0 4	
2479	LUAU Y 653 653	0.00	278	6.08	250	GL08 UNIF	MV 0 4	
2480	LUAU Z 653 653	0.00	20	6.08	18	GL08 UNIF	MV 0 4	
2481	LUAU X 656 656	0.00	212	6.08	187	GL08 UNIF	MV 0 4	
2482	LUAU Y 656 656	0.00	35	6.08	31	GL08 UNIF	MV 0 4	
2483	LUAU Z 656 656	0.00	19	3.55	18	GL08 UNIF	MV 0 4	
2484	LUAU X 651 701	0.00	251	3.55	236	GL08 UNIF	MV 0 4	
2485	LUAU Y 651 701	0.00	18	3.55	17	GL08 UNIF	MV 0 4	
2486	LUAU Z 651 701	3.55	18	3.55	17	GL08 UNIF	MV 0 4	
2487	LUAU X 651 701	3.55	236	3.55	222	GL08 UNIF	MV 0 4	
2488	LUAU Y 651 701	3.55	17	3.55	16	GL08 UNIF	MV 0 4	
2489	LUAU Z 651 701	0.00	14	3.55	13	GL08 UNIF	MV 0 4	
2490	LUAU X 653 703	0.00	251	3.55	236	GL08 UNIF	MV 0 4	
2491	LUAU Y 653 703	0.00	18	3.55	17	GL08 UNIF	MV 0 4	
2492	LUAU Z 653 703	3.55	18	3.55	17	GL08 UNIF	MV 0 4	
2493	LUAU X 653 703	3.55	236	3.55	222	GL08 UNIF	MV 0 4	
2494	LUAU Y 653 703	3.55	17	3.55	16	GL08 UNIF	MV 0 4	
2495	LUAU Z 653 703	0.00	14	3.55	13	GL08 UNIF	MV 0 4	
2496	LUAU X 656 706	0.00	51	3.55	24	GL08 UNIF	MV 0 4	
2497	LUAU Y 656 706	3.55	175	3.55	162	GL08 UNIF	MV 0 4	
2498	LUAU Z 656 706	3.55	24	3.55	27	GL08 UNIF	MV 0 4	
2499	LUAU X 701 801	0.00	15	6.79	13	GL08 UNIF	MV 0 4	

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

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

LINE NO. 1 2 3 4 5 6 7 8

LINE NO.	1	2	3	4	5	6	7	8
2500	LUAV Y 701 801	0.00=	209	8.79=	183	GL08 UNIF	MV 0 4	
2501	LUAV Z 701 801	0.00	15	8.79	13	GL08 UNIF	MV 0 4	
2502	LUAV X 701 801	8.79=	13	8.79=	11	GL08 UNIF	MV 0 4	
2503	LUAV Y 701 801	8.79=	143	8.79=	163	GL08 UNIF	MV 0 4	
2504	LUAV Z 701 801	8.79	13	8.79	12	GL08 UNIF	MV 0 4	
2505	LUAV X 701 801	17.57=	11	8.79=	10	GL08 UNIF	MV 0 4	
2506	LUAV Y 701 801	17.57=	165	8.79=	146	GL08 UNIF	MV 0 4	
2507	LUAV Z 701 801	17.57	12	8.79	11	GL08 UNIF	MV 0 4	
2508	LUAV X 703 803	0.00	15	8.79	13	GL08 UNIF	MV 0 4	
2509	LUAV Y 703 803	0.00=	209	8.79=	183	GL08 UNIF	MV 0 4	
2510	LUAV Z 703 803	0.00	15	8.79	13	GL08 UNIF	MV 0 4	
2511	LUAV X 703 803	8.79	13	8.79	11	GL08 UNIF	MV 0 4	
2512	LUAV Y 703 803	8.79=	183	8.79=	163	GL08 UNIF	MV 0 4	
2513	LUAV Z 703 803	8.79	13	8.79	12	GL08 UNIF	MV 0 4	
2514	LUAV X 703 803	17.57	11	8.79	10	GL08 UNIF	MV 0 4	
2515	LUAV Y 703 803	17.57=	163	8.79=	146	GL08 UNIF	MV 0 4	
2516	LUAV Z 703 803	17.57	12	8.79	11	GL08 UNIF	MV 0 4	
2517	LUAV X 705 805	0.00=	157	8.79=	133	GL08 UNIF	MV 0 4	
2518	LUAV Y 705 805	0.00=	26	8.79=	22	GL08 UNIF	MV 0 4	
2519	LUAV Z 705 805	8.79=	133	8.79=	114	GL08 UNIF	MV 0 4	
2520	LUAV X 705 805	8.79=	22	8.79=	19	GL08 UNIF	MV 0 4	
2521	LUAV Y 705 805	17.57=	114	8.79=	98	GL08 UNIF	MV 0 4	
2522	LUAV Z 705 805	17.57=	14	8.79=	16	GL08 UNIF	MV 0 4	
2523	LUAV X 803 903	0.00=	10	9.12=	08	GL08 UNIF	MV 0 4	
2524	LUAV Y 803 903	0.00=	146	9.12=	132	GL08 UNIF	MV 0 4	
2525	LUAV Z 803 903	0.00	11	9.12	10	GL08 UNIF	MV 0 4	
2526	LUAV X 801 901	9.12=	04	9.12=	07	GL08 UNIF	MV 0 4	
2527	LUAV Y 801 901	9.12=	132	9.12=	121	GL08 UNIF	MV 0 4	
2528	LUAV Z 801 901	9.12	10	9.12	09	GL08 UNIF	MV 0 4	
2529	LUAV X 801 901	18.25=	07	9.12=	05	GL08 UNIF	MV 0 4	
2530	LUAV Y 801 901	18.25=	121	9.12=	112	GL08 UNIF	MV 0 4	
2531	LUAV Z 801 901	18.25	04	9.12	09	GL08 UNIF	MV 0 4	
2532	LUAV X 903 903	0.00	10	9.12	08	GL08 UNIF	MV 0 4	
2533	LUAV Y 903 903	0.00=	146	9.12=	132	GL08 UNIF	MV 0 4	
2534	LUAV Z 903 903	0.00	11	9.12	10	GL08 UNIF	MV 0 4	
2535	LUAV X 803 903	9.12	08	9.12	07	GL08 UNIF	MV 0 4	
2536	LUAV Y 803 903	9.12=	132	9.12=	121	GL08 UNIF	MV 0 4	
2537	LUAV Z 803 903	18.25	07	9.12	05	GL08 UNIF	MV 0 4	
2538	LUAV X 803 903	18.25=	121	9.12=	112	GL08 UNIF	MV 0 4	
2539	LUAV Y 803 903	18.25	04	9.12	09	GL08 UNIF	MV 0 4	
2540	LUAV Z 803 903	18.25	09	9.12	07	GL08 UNIF	MV 0 4	
2541	LUAV X 806 906	0.00=	99	13.89=	78	GL08 UNIF	MV 0 4	
2542	LUAV Y 806 906	0.00=	16	13.89=	13	GL08 UNIF	MV 0 4	
2543	LUAV Z 806 906	13.89=	78	13.89=	63	GL08 UNIF	MV 0 4	
2544	LUAV X 806 906	13.89=	13	13.89=	11	GL08 UNIF	MV 0 4	
2545	LUAV Y 806 906	0.00=	05	9.12=	04	GL08 UNIF	MV 0 4	
2546	LUAV Z 806 906	0.00=	112	9.12=	108	GL08 UNIF	MV 0 4	
2547	LUAV X 9011001	0.00	04	9.12	08	GL08 UNIF	MV 0 4	
2548	LUAV Y 9011001	9.12=	04	9.12=	02	GL08 UNIF	MV 0 4	

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

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

LINE NO.	1	2	3	4	5	6	7	8
2549	LUAD Y 9011001	9.12=	106	9.12=	95	GL08 UNIF	MV 0 4	
2550	LUAD Z 9011001	9.12	08	9.12	08	GL08 UNIF	MV 0 4	
2551	LJAU X 9011001	18.25=	02	9.12		GL08 UNIF	MV 0 4	
2552	LUAD Y 9011001	18.25=	95	9.12=	36	GL08 UNIF	MV 0 4	
2553	LJAU Z 9011001	18.25	08	9.12	03	GL08 UNIF	MV 0 4	
2554	LUAD X 9031003	0.00	05	9.12	04	GL08 UNIF	MV 0 4	
2555	LUAD Y 9031003	0.00=	112	9.12=	106	GL08 UNIF	MV 0 4	
2556	LUAD Z 9031003	0.00	09	9.12	08	GL08 UNIF	MV 0 4	
2557	LJAU X 9031003	9.12	04	9.12	02	GL08 UNIF	MV 0 4	
2558	LUAD Y 9031003	9.12=	106	9.12=	95	GL08 UNIF	MV 0 4	
2559	LJAU Z 9031003	9.12	08	9.12	08	GL08 UNIF	MV 0 4	
2560	LUAD X 9031003	18.25	02	9.12		GL08 UNIF	MV 0 4	
2561	LUAD Y 9031003	18.25=	95	9.12=	36	GL08 UNIF	MV 0 4	
2562	LUAD Z 9031003	18.25	08	9.12	03	GL08 UNIF	MV 0 4	
2563	LJAU Y 9051006	0.00=	63	9.12=	55	GL08 UNIF	MV 0 4	
2564	LUAD Z 9061006	0.00=	11	9.12=	09	GL08 UNIF	MV 0 4	
2565	LJAU Y 9051006	9.12=	55	9.12=	41	GL08 UNIF	MV 0 4	
2566	LUAD Z 9051006	9.12	09	9.12=	07	GL08 UNIF	MV 0 4	
2567	LUAD Y 9061006	18.25=	41	5.92		GL08 UNIF	MV 0 4	
2568	LUAD Z 9061006	24.17	3.20		22	GL08 UNIF	MV 0 4	
2569	LUAD X 9061006	18.25=	07	5.91		GL08 UNIF	MV 0 4	
2570	LUAD Z 9051006	24.16	5.22		04	GL08 UNIF	MV 0 4	
2571	LUADL 5							
2572	LUAD Z 101 102	0.00	-0.55	14.50	-0.55	GL08 UNIF	DL 0 5	
2573	LUAD Z 102 103	0.00	-0.55	14.50	-0.55	GL08 UNIF	DL 0 5	
2574	LUAD Z 103 105	0.00	-0.55	14.49	-0.55	GL08 UNIF	DL 0 5	
2575	LUAD Z 105 106	0.00	-0.55	14.50	-0.55	GL08 UNIF	DL 0 5	
2576	LUAD Z 101 104	0.00	-0.55	14.49	-0.55	GL08 UNIF	DL 0 5	
2577	LJAU Z 103 106	0.00	-0.55	14.50	-0.55	GL08 UNIF	DL 0 5	
2578	LJAU Z 102 104	0.00	-0.24	14.49	-0.24	GL08 UNIF	DL 0 5	
2579	LJAU Z 102 105	0.00	-0.24	14.49	-0.24	GL08 UNIF	DL 0 5	
2580	LUAD Z 104 105	0.00	-0.24	14.50	-0.24	GL08 UNIF	DL 0 5	
2581	LUAD Z 106 201	0.00	-0.65	32.05	-0.65	GL08 UNIF	DL 0 5	
2582	LUAD Z 201 202	0.00	-0.55	14.50	-0.55	GL08 UNIF	DL 0 5	
2583	LUAD Z 202 203	0.00	-0.55	14.50	-0.55	GL08 UNIF	DL 0 5	
2584	LJAU Z 203 205	0.00	-0.73	14.49	-0.73	GL08 UNIF	DL 0 5	
2585	LUAD Z 205 206	0.00	-0.73	14.50	-0.73	GL08 UNIF	DL 0 5	
2586	LUAD Z 201 204	0.00	-0.55	14.49	-0.55	GL08 UNIF	DL 0 5	
2587	LUAD Z 204 204	0.00	-0.55	14.50	-0.55	GL08 UNIF	DL 0 5	
2588	LUAD Z 202 204	0.00	-0.24	14.49	-0.24	GL08 UNIF	DL 0 5	
2589	LJAU Z 204 205	0.00	-0.24	14.49	-0.24	GL08 UNIF	DL 0 5	
2590	LJAU Z 204 205	0.00	-0.24	14.50	-0.24	GL08 UNIF	DL 0 5	
2591	LJAU Z 201 303	0.00	-0.96	28.73	-0.96	GL08 UNIF	DL 0 5	
2592	LUAD Z 201 303	28.73	-0.59	5.92	-0.59	GL08 UNIF	DL 0 5	
2593	LUAD Z 203 304	0.00	-0.96	28.73	-0.96	GL08 UNIF	DL 0 5	
2594	LUAD Z 203 304	28.73	-0.59	5.92	-0.59	GL08 UNIF	DL 0 5	
2595	LUAD Z 205 301	0.00	-0.96	28.73	-0.96	GL08 UNIF	DL 0 5	
2596	LUAD Z 205 301	28.73	-0.59	5.92	-0.59	GL08 UNIF	DL 0 5	
2597	LUAD Z 301 403	0.00	-0.69	40.66	-0.69	GL08 UNIF	DL 0 5	

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

LINE NO. 1 2 3 4 5 6 7 8

2598	LUAV Z	301 303	0.00	-.009	29.00	-.009	GL0B UNIF	DL 0 5
2599	LUAV Z	303 306	0.00	-.009	29.00	-.009	GL0B UNIF	DL 0 5
2600	LUAV Z	301 305	0.00	-.009	29.00	-.009	GL0B UNIF	DL 0 5
2601	LUAV Z	501 502	0.00	-.013	15.15	-.013	GL0B UNIF	DL 0 5
2602	LUAV Z	502 503	0.00	-.013	15.15	-.013	GL0B UNIF	DL 0 5
2603	LUAV Z	503 505	0.00	-.013	15.15	-.013	GL0B UNIF	DL 0 5
2604	LUAV Z	505 506	0.00	-.013	15.15	-.013	GL0B UNIF	DL 0 5
2605	LUAV Z	501 504	0.00	-.013	15.15	-.013	GL0B UNIF	DL 0 5
2606	LUAV Z	504 504	0.00	-.013	15.15	-.013	GL0B UNIF	DL 0 5
2607	LUAV Z	502 504	0.00	-.009	15.15	-.009	GL0B UNIF	DL 0 5
2608	LUAV Z	502 505	0.00	-.009	15.15	-.009	GL0B UNIF	DL 0 5
2609	LUAV Z	504 505	0.00	-.009	15.14	-.009	GL0B UNIF	DL 0 5
2610	LUAV Z	501 507	0.00	-.148	2.00	-.148	GL0B UNIF	DL 0 5
2611	LUAV Z	507 510	0.00	-.148	2.00	-.148	GL0B UNIF	DL 0 5
2612	LUAV Z	503 508	0.00	-.148	2.00	-.148	GL0B UNIF	DL 0 5
2613	LUAV Z	504 511	0.00	-.148	2.00	-.148	GL0B UNIF	DL 0 5
2614	LUAV Z	505 509	0.00	-.148	2.01	-.148	GL0B UNIF	DL 0 5
2615	LUAV Z	509 512	0.00	-.148	2.01	-.148	GL0B UNIF	DL 0 5
2616	LUAV Z	501 513	0.00	-.009	3.00	-.009	GL0B UNIF	DL 0 5
2617	LUAV Z	503 514	0.00	-.009	3.00	-.009	GL0B UNIF	DL 0 5
2618	LUAV Z	513 551	0.00	.020	18.00	.020	GL0B UNIF	DL 0 5
2619	LUAV Z	514 553	0.00	.020	18.00	.020	GL0B UNIF	DL 0 5
2620	LUAV Z	601 611	0.00	-.049	8.00	-.049	GL0B UNIF	DL 0 5
2621	LUAV Z	603 613	0.00	-.049	8.00	-.049	GL0B UNIF	DL 0 5
2622	LUAV Z	651 661	0.00	-.049	5.00	-.049	GL0B UNIF	DL 0 5
2623	LUAV Z	653 663	0.00	-.049	5.00	-.049	GL0B UNIF	DL 0 5
2624	LUAV Z	611 612	0.00	-.017	16.01	-.017	GL0B UNIF	DL 0 5
2625	LUAV Z	612 613	0.00	-.017	16.01	-.017	GL0B UNIF	DL 0 5
2626	LUAV Z	661 662	0.00	-.017	17.75	-.017	GL0B UNIF	DL 0 5
2627	LUAV Z	652 653	0.00	-.017	17.75	-.017	GL0B UNIF	DL 0 5
2628	LUAV Z	611 661	0.00	-.049	12.13	-.049	GL0B UNIF	DL 0 5
2629	LUAV Z	612 662	0.00	-.049	12.00	-.049	GL0B UNIF	DL 0 5
2630	LUAV Z	613 663	0.00	-.049	12.13	-.049	GL0B UNIF	DL 0 5
2631	LUAV Z	501 642	0.00	.010	20.25	.010	GL0B UNIF	DL 0 5
2632	LUAV Z	503 645	0.00	.010	20.25	.010	GL0B UNIF	DL 0 5
2633	LUAV Z	506 644	0.00	.010	20.24	.010	GL0B UNIF	DL 0 5
2634	LUAV Z	642 703	0.00	.010	21.93	.010	GL0B UNIF	DL 0 5
2635	LUAV Z	645 704	0.00	.010	21.93	.010	GL0B UNIF	DL 0 5
2636	LUAV Z	644 701	0.00	.010	21.94	.010	GL0B UNIF	DL 0 5
2637	LUAV Z	701 702	0.00	.007	18.76	.007	GL0B UNIF	DL 0 5
2638	LUAV Z	702 703	0.00	.007	18.76	.007	GL0B UNIF	DL 0 5
2639	LUAV Z	703 705	0.00	.007	18.76	.007	GL0B UNIF	DL 0 5
2640	LUAV Z	705 706	0.00	.007	18.75	.007	GL0B UNIF	DL 0 5
2641	LUAV Z	701 704	0.00	.007	18.76	.007	GL0B UNIF	DL 0 5
2642	LUAV Z	704 706	0.00	.007	18.75	.007	GL0B UNIF	DL 0 5
2643	LUAV Z	701 707	0.00	-.148	2.00	-.148	GL0B UNIF	DL 0 5
2644	LUAV Z	707 710	0.00	-.148	2.00	-.148	GL0B UNIF	DL 0 5
2645	LUAV Z	705 705	0.00	-.148	2.00	-.148	GL0B UNIF	DL 0 5
2646	LUAV Z	705 711	0.00	-.148	2.00	-.148	GL0B UNIF	DL 0 5

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NU. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NU.	1	2	3	4	5	6	7	8		
2637	L040	Z	705	709	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2638	L040	Z	709	712	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2639	L040	Z	701	806	0.00	.010	48.82	.010	GL08 UNIF	DL 0 5
2650	L040	Z	703	801	0.00	.010	48.83	.010	GL08 UNIF	DL 0 5
2651	L040	Z	706	803	0.00	.010	48.83	.010	GL08 UNIF	DL 0 5
2652	L040	Z	801	802	0.00	.007	22.51	.007	GL08 UNIF	DL 0 5
2653	L040	Z	802	803	0.00	.007	22.51	.007	GL08 UNIF	DL 0 5
2654	L040	Z	803	805	0.00	.007	22.51	.007	GL08 UNIF	DL 0 5
2655	L040	Z	805	806	0.00	.007	22.51	.007	GL08 UNIF	DL 0 5
2656	L040	Z	801	804	0.00	.007	22.51	.007	GL08 UNIF	DL 0 5
2657	L040	Z	804	806	0.00	.007	22.51	.007	GL08 UNIF	DL 0 5
2658	L040	Z	801	807	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2659	L040	Z	807	810	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2660	L040	Z	803	804	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2661	L040	Z	804	811	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2662	L040	Z	806	809	0.00	-.148	2.01	-.148	GL08 UNIF	DL 0 5
2663	L040	Z	809	812	0.00	-.148	2.01	-.148	GL08 UNIF	DL 0 5
2664	L040	Z	801	803	0.00	.010	55.92	.010	GL08 UNIF	DL 0 5
2665	L040	Z	803	806	0.00	.010	55.92	.010	GL08 UNIF	DL 0 5
2666	L040	Z	806	801	0.00	.010	55.92	.010	GL08 UNIF	DL 0 5
2667	L040	Z	801	802	0.00	-.004	26.41	-.004	GL08 UNIF	DL 0 5
2668	L040	Z	802	803	0.00	-.004	26.41	-.004	GL08 UNIF	DL 0 5
2669	L040	Z	803	805	0.00	-.004	26.41	-.004	GL08 UNIF	DL 0 5
2670	L040	Z	805	806	0.00	-.004	26.41	-.004	GL08 UNIF	DL 0 5
2671	L040	Z	801	804	0.00	-.004	26.41	-.004	GL08 UNIF	DL 0 5
2672	L040	Z	804	806	0.00	-.004	26.41	-.004	GL08 UNIF	DL 0 5
2673	L040	Z	801	807	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2674	L040	Z	807	810	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2675	L040	Z	803	808	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2676	L040	Z	804	811	0.00	-.148	2.00	-.148	GL08 UNIF	DL 0 5
2677	L040	Z	804	809	0.00	-.148	2.20	-.148	GL08 UNIF	DL 0 5
2678	L040	Z	809	812	0.00	-.148	2.20	-.148	GL08 UNIF	DL 0 5
2679	L040	Z	801	802	0.00	-.013	37.84	-.013	GL08 UNIF	DL 0 5
2680	L040	Z	803	802	0.00	-.013	37.84	-.013	GL08 UNIF	DL 0 5
2681	L040	Z	803	805	0.00	-.013	37.84	-.013	GL08 UNIF	DL 0 5
2682	L040	Z	808	805	0.00	-.013	37.83	-.013	GL08 UNIF	DL 0 5
2683	L040	Z	801	804	0.00	-.013	37.84	-.013	GL08 UNIF	DL 0 5
2684	L040	Z	804	806	0.00	-.013	37.83	-.013	GL08 UNIF	DL 0 5
2685	L040	Z	1001	1002	0.00	.010	50.51	.010	GL08 UNIF	DL 0 5
2686	L040	Z	1002	1003	0.00	.010	50.51	.010	GL08 UNIF	DL 0 5
2687	L040	Z	1003	1005	0.00	.010	50.51	.010	GL08 UNIF	DL 0 5
2688	L040	Z	1005	1006	0.00	.010	50.50	.010	GL08 UNIF	DL 0 5
2689	L040	Z	1001	1004	0.00	.010	50.51	.010	GL08 UNIF	DL 0 5
2690	L040	Z	1004	1006	0.00	.010	50.50	.010	GL08 UNIF	DL 0 5
2691	L040	Z	1002	1004	0.00	.014	30.51	.014	GL08 UNIF	DL 0 5
2692	L040	Z	1002	1005	0.00	.014	30.51	.014	GL08 UNIF	DL 0 5
2693	L040	Z	1004	1005	0.00	.014	30.50	.014	GL08 UNIF	DL 0 5
2694	L040	Z	1001	1007	0.00	-.148	1.99	-.148	GL08 UNIF	DL 0 5
2695	L040	Z	1007	1010	0.00	-.148	1.99	-.148	GL08 UNIF	DL 0 5

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - M/L 93.0 FEET - 50 YR STORM

LINE NO. 1 2 3 4 5 6 7 8

2696	LUAU Z 10031008	0.00	-.148	1.99	-.148	GL0B UNIF	DL 0 5
2697	LUAU Z 10041011	0.00	-.148	1.99	-.148	GL0B UNIF	DL 0 5
2698	LUAU Z 10061009	0.00	-.148	2.01	-.148	GL0B UNIF	DL 0 5
2699	LUAU Z 10091012	0.00	-.148	2.01	-.148	GL0B UNIF	DL 0 5
2700	LUAU Z 101 201	0.00	-.310	15.00	-.310	GL0B UNIF	DL 0 5
2701	LUAU Z 103 203	0.00	-.310	15.00	-.310	GL0B UNIF	DL 0 5
2702	LUAU Z 106 206	0.00	-.310	15.00	-.310	GL0B UNIF	DL 0 5
2703	LUAU Z 201 301	0.00	-.310	13.20	-.310	GL0B UNIF	DL 0 5
2704	LUAU Z 201 501	13.20	-.004	1.80	-.004	GL0B UNIF	DL 0 5
2705	LUAU Z 203 303	0.00	-.310	13.20	-.310	GL0B UNIF	DL 0 5
2706	LUAU Z 203 503	13.20	-.004	1.80	-.004	GL0B UNIF	DL 0 5
2707	LUAU Z 206 306	0.00	-.310	13.20	-.310	GL0B UNIF	DL 0 5
2708	LUAU Z 206 506	13.20	-.004	1.80	-.004	GL0B UNIF	DL 0 5
2709	LUAU Z 301 401	0.00	-.004	26.50	-.004	GL0B UNIF	DL 0 5
2710	LUAU Z 303 403	0.00	-.004	26.50	-.004	GL0B UNIF	DL 0 5
2711	LUAU Z 306 404	0.00	-.004	26.50	-.004	GL0B UNIF	DL 0 5
2712	LUAU Z 401 501	0.00	-.423	4.56	-.423	GL0B UNIF	DL 0 5
2713	LUAU Z 403 503	0.00	-.423	4.56	-.423	GL0B UNIF	DL 0 5
2714	LUAU Z 406 506	0.00	-.423	4.56	-.423	GL0B UNIF	DL 0 5
2715	LUAU Z 501 601	0.00	-.423	6.04	-.423	GL0B UNIF	DL 0 5
2716	LUAU Z 503 603	0.00	-.423	6.04	-.423	GL0B UNIF	DL 0 5
2717	LUAU Z 506 606	0.00	-.423	6.04	-.423	GL0B UNIF	DL 0 5
2718	LUAU Z 601 601	0.00	-.423	6.04	-.423	GL0B UNIF	DL 0 5
2719	LUAU Z 603 603	0.00	-.423	6.04	-.423	GL0B UNIF	DL 0 5
2720	LUAU Z 606 606	0.00	-.423	6.04	-.423	GL0B UNIF	DL 0 5
2721	LUAU Z 641 701	0.00	-.423	6.04	-.423	GL0B UNIF	DL 0 5
2722	LUAU Z 643 703	0.00	-.423	6.04	-.423	GL0B UNIF	DL 0 5
2723	LUAU Z 646 706	0.00	-.423	6.04	-.423	GL0B UNIF	DL 0 5
2724	LUAU Z 651 701	0.00	-.423	7.10	-.423	GL0B UNIF	DL 0 5
2725	LUAU Z 653 703	0.00	-.423	7.10	-.423	GL0B UNIF	DL 0 5
2726	LUAU Z 656 706	0.00	-.423	7.10	-.423	GL0B UNIF	DL 0 5
2727	LUAU Z 701 801	0.00	-.209	26.36	-.209	GL0B UNIF	DL 0 5
2728	LUAU Z 703 803	0.00	-.209	26.36	-.209	GL0B UNIF	DL 0 5
2729	LUAU Z 706 806	0.00	-.209	26.36	-.209	GL0B UNIF	DL 0 5
2730	LUAU Z 801 901	0.00	-.209	27.37	-.209	GL0B UNIF	DL 0 5
2731	LUAU Z 803 903	0.00	-.209	27.37	-.209	GL0B UNIF	DL 0 5
2732	LUAU Z 806 906	0.00	-.209	27.37	-.209	GL0B UNIF	DL 0 5
2733	LUAU Z 9011001	0.00	-.209	27.37	-.209	GL0B UNIF	DL 0 5
2734	LUAU Z 9031003	0.00	-.209	27.37	-.209	GL0B UNIF	DL 0 5
2735	LUAU Z 9061006	0.00	-.209	27.37	-.209	GL0B UNIF	DL 0 5
2736	LUAU Z 401 510	0.00	-.654	4.55	-.654	GL0B UNIF	DL 0 5
2737	LUAU Z 403 511	0.00	-.654	4.55	-.654	GL0B UNIF	DL 0 5
2738	LUAU Z 406 512	0.00	-.654	4.55	-.654	GL0B UNIF	DL 0 5
2739	LUAU Z 510 710	0.00	-.654	25.34	-.654	GL0B UNIF	DL 0 5
2740	LUAU Z 511 711	0.00	-.654	25.34	-.654	GL0B UNIF	DL 0 5
2741	LUAU Z 512 712	0.00	-.654	25.34	-.654	GL0B UNIF	DL 0 5
2742	LUAU Z 710 810	0.00	-.745	26.36	-.745	GL0B UNIF	DL 0 5
2743	LUAU Z 711 811	0.00	-.745	26.36	-.745	GL0B UNIF	DL 0 5
2744	LUAU Z 712 812	0.00	-.745	26.36	-.745	GL0B UNIF	DL 0 5

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NU. 2 - MML 93.0 FEET - 50 YR STORM

LINE NO.	1	2	3	4	5	6	7	8
2745	LUAV Z	810 910	0.00	-0.743	27.37	-0.743	GLOBAL UNIF	DL 0 5
2746	LUAV Z	811 911	0.00	-0.743	27.37	-0.743	GLOBAL UNIF	DL 0 5
2747	LUAV Z	812 912	0.00	-0.743	27.37	-0.743	GLOBAL UNIF	DL 0 5
2748	LUAV Z	9101010	0.00	-0.874	27.37	-0.874	GLOBAL UNIF	DL 0 5
2749	LUAV Z	9111011	0.00	-0.874	27.37	-0.874	GLOBAL UNIF	DL 0 5
2750	LUAV Z	9121012	0.00	-0.874	27.37	-0.874	GLOBAL UNIF	DL 0 5
2751	LUAV Z	201 202		-500			GLOBAL CONC	DL LMK
2752	LUAV Z	203 205		-500			GLOBAL CONC	DL LMK
2753	LUAV Z	204 204	1440	-500			GLOBAL CONC	DL LMK
2754	LUAV Z	101 102		-500			GLOBAL CONC	DL UPK
2755	LUAV Z	103 105		-500			GLOBAL CONC	DL UPK
2756	LUAV Z	104 106	1440	-500			GLOBAL CONC	DL UPK
2757	LUAV Z	101 102		-042		-042	GLOBAL UNIF	LL UPK
2758	LUAV Z	102 103		-042		-042	GLOBAL UNIF	LL UPK
2759	LUAV Z	103 105		-042		-042	GLOBAL UNIF	LL UPK
2760	LUAV Z	105 106		-042		-042	GLOBAL UNIF	LL UPK
2761	LUAV Z	101 104		-042		-042	GLOBAL UNIF	LL UPK
2762	LUAV Z	104 106		-042		-042	GLOBAL UNIF	LL UPK
2763	LUAV Z	201 202		-063		-063	GLOBAL UNIF	LL ERM
2764	LUAV Z	202 203		-063		-063	GLOBAL UNIF	LL ERM
2765	LUAV Z	203 205		-140		-140	GLOBAL UNIF	LL ERM
2766	LUAV Z	205 206		-140		-140	GLOBAL UNIF	LL ERM
2767	LUAV Z	201 204		-063		-063	GLOBAL UNIF	LL ERM
2768	LUAV Z	204 204		-063		-063	GLOBAL UNIF	LL ERM
2769	LUAV Z	501 511	300	-1100			GLOBAL CONC	HUAT LDG
2770	LUAV Z	503 513	300	-1100			GLOBAL CONC	HUAT LDG
2771	LUAV Z	513 551		-120			GLOBAL CONC	HUAT BUM
2772	LUAV Z	514 553		-120			GLOBAL CONC	HUAT BUM
2773	LUCCMB							
2774	LUCCMB	6 100.	1 100.	5				
2775	LUCCMB	7 100.	2 100.	5				
2776	LUCCMB	8 100.	3 100.	5				
2777	LUCCMB	9 100.	4 100.	5				
2778	END							

U.S. NAVY - ACMR PLAFIBURS - PLAFIBURM NO. 2 - MWL 93.0 FEET - 50 YK STORM

DEPTH (FI) = 0.00  
 FORCE (K/IN) 0.000 0.000  
 DEFL (IN) 0.000 20.000

DEPTH (FI) = 5.00  
 FORCE (K/IN) 0.000 0.000  
 DEFL (IN) 0.000 20.000

DEPTH (FI) = 4.00  
 FORCE (K/IN) 0.000 .107 .129 .153 .169 .186 .237 .237  
 DEFL (IN) 0.000 .049 .120 .270 .430 .700 1.580 20.000

DEPTH (FI) = 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 (FI) = 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 .240 .430 .700 1.580 20.000

DEPTH (FI) = 33.00  
 FORCE (K/IN) 0.000 2.749 3.444 4.459 5.337 6.572 10.515 10.515  
 DEFL (IN) 0.000 .120 .180 .310 .450 .700 1.580 20.000

DEPTH (FI) = 33.00  
 FORCE (K/IN) 0.000 1.354 1.834 2.494 3.384 4.594 4.594  
 DEFL (IN) 0.000 .064 .160 .400 1.010 2.520 20.000

DEPTH (FI) = 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 (FI) = 45.00  
 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 (FI) = 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 (FI) = 90.00  
 FORCE (K/IN) 0.000 4.756 6.551 9.079 11.176 14.000 22.464 22.464  
 DEFL (IN) 0.000 .073 .140 .280 .440 .700 1.580 20.000

DEPTH (FI) = 90.00  
 FORCE (K/IN) 0.000 1.499 3.003 4.684 5.988 7.706 12.324 12.324  
 DEFL (IN) 0.000 .025 .094 .250 .410 .700 1.580 20.000



PILE JOINT NO. 1010

S T R A N - P Y D A T A

PAGE 2  
DATE 08/27/76

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

DEPTH (FT) = 95.00  
FORCE (K/IN) 1.581 3.167 4.945 6.314 8.126 13.001 15.001  
DEFL (IN) 0.000 .023 .098 .410 .700 1.580 20.000

DEPTH (FT) = 114.00  
FORCE (K/IN) 1.638 3.728 5.833 7.452 9.594 15.350 15.350  
DEFL (IN) 0.000 .022 .097 .410 .700 1.580 20.000

DEPTH (FT) = 200.00  
FORCE (K/IN) 1.838 3.728 5.833 7.452 9.594 15.350 15.350  
DEFL (IN) 0.000 .022 .097 .410 .700 1.580 20.000

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

DEPTH (FT) = 0.00  
FORCE (K/IN) 0.000  
DEFL (IN) 0.000 20.000

DEPTH (FT) = 5.00  
FORCE (K/IN) 0.000  
DEFL (IN) 0.000 20.000

DEPTH (FT) = 10.00  
FORCE (K/IN) .107  
DEFL (IN) .049  
                  .129   .153   .169   .188   .237  
                  .120   .270   .430   .700   1.580 20.000

DEPTH (FT) = 14.00  
FORCE (K/IN) .360  
DEFL (IN) .030  
                  .611   .906   1.136   1.440   2.274  
                  .110   .260   .420   .700   1.580 20.000

DEPTH (FT) = 18.00  
FORCE (K/IN) 1.204  
DEFL (IN) .069  
                  1.691   2.347   2.996   3.644   5.830  
                  .190   .280   .430   .700   1.580 20.000

DEPTH (FT) = 22.00  
FORCE (K/IN) 2.789  
DEFL (IN) .120  
                  3.484   4.459   5.337   6.572   10.515  
                  .180   .310   .450   .700   1.580 20.000

DEPTH (FT) = 26.00  
FORCE (K/IN) 1.354  
DEFL (IN) .064  
                  1.838   2.494   3.384   4.594   4.594  
                  .160   .400   1.010   2.520 20.000

DEPTH (FT) = 30.00  
FORCE (K/IN) 2.321  
DEFL (IN) .064  
                  3.150   4.275   5.802   7.875   7.875  
                  .160   .400   1.010   2.520 20.000

DEPTH (FT) = 35.00  
FORCE (K/IN) 2.532  
DEFL (IN) .076  
                  3.433   4.719   5.791   7.259   11.615  
                  .150   .290   .440   .700   1.580 20.000

DEPTH (FT) = 40.00  
FORCE (K/IN) 3.542  
DEFL (IN) .075  
                  4.440   6.680   8.210   10.303   16.485  
                  .150   .240   .440   .700   1.580 20.000

DEPTH (FT) = 45.00  
FORCE (K/IN) 4.756  
DEFL (IN) .075  
                  6.551   9.079   11.176   14.040   22.464  
                  .140   .250   .440   .700   1.580 20.000

DEPTH (FT) = 50.00  
FORCE (K/IN) 1.499  
DEFL (IN) .025  
                  3.003   4.689   5.988   7.706   12.329  
                  .094   .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 - HML 93.0 FEET - 50 YR STORM

PILE JOINT NO. 1011

DEPTH (FT) =	95.00										
FENCE (K/IN)	0.000	1.581	3.167	4.945	6.314	8.126	13.001	13.001	13.001	13.001	13.001
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	1.580	20.000	20.000	20.000
DEPTH (FT) =	114.00										
FENCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350	15.350	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	1.580	20.000	20.000	20.000
DEPTH (FT) =	200.00										
FENCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350	15.350	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	1.580	20.000	20.000	20.000

U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - HML 93.0 FEET - 50 YK STORM

DEPTH (FT) = 0.00  
FORCE (K/IN) 0.000  
DEFL (IN) 0.000 20.000

DEPTH (FT) = 5.00  
FORCE (K/IN) 0.000  
DEFL (IN) 0.000 20.000

DEPTH (FT) = 10.00  
FORCE (K/IN) 0.107  
DEFL (IN) 0.000  
0.129  
0.154  
0.169  
0.188  
0.237  
0.430  
0.700  
1.580  
20.000

DEPTH (FT) = 14.00  
FORCE (K/IN) 0.366  
DEFL (IN) 0.000  
0.366  
0.430  
1.136  
1.440  
2.274  
2.274  
0.420  
0.700  
1.580  
20.000

DEPTH (FT) = 24.00  
FORCE (K/IN) 1.204  
DEFL (IN) 0.000  
0.669  
1.204  
2.347  
2.896  
3.644  
5.830  
0.669  
1.140  
1.709  
1.580  
20.000

DEPTH (FT) = 33.00  
FORCE (K/IN) 2.749  
DEFL (IN) 0.000  
0.120  
0.180  
3.444  
4.456  
5.337  
6.572  
10.515  
10.515  
0.450  
0.700  
1.580  
20.000

DEPTH (FT) = 33.00  
FORCE (K/IN) 1.354  
DEFL (IN) 0.000  
0.064  
1.034  
2.494  
3.384  
4.594  
4.594  
0.400  
1.010  
2.520  
20.000

DEPTH (FT) = 45.00  
FORCE (K/IN) 2.321  
DEFL (IN) 0.000  
0.064  
0.160  
3.150  
4.275  
5.802  
7.675  
7.875  
0.400  
1.010  
2.520  
20.000

DEPTH (FT) = 45.00  
FORCE (K/IN) 2.532  
DEFL (IN) 0.000  
0.076  
0.150  
3.433  
4.719  
5.791  
7.259  
11.615  
11.615  
0.440  
0.700  
1.580  
20.000

DEPTH (FT) = 65.00  
FORCE (K/IN) 3.542  
DEFL (IN) 0.000  
0.075  
0.150  
4.440  
6.580  
8.210  
10.303  
16.465  
16.465  
0.440  
0.700  
1.580  
20.000

DEPTH (FT) = 90.00  
FORCE (K/IN) 4.756  
DEFL (IN) 0.000  
0.075  
0.140  
6.551  
9.079  
11.176  
14.040  
22.464  
22.464  
0.440  
0.700  
1.580  
20.000

DEPTH (FT) = 90.00  
FORCE (K/IN) 1.499  
DEFL (IN) 0.000  
0.025  
0.096  
3.003  
4.689  
5.988  
7.706  
12.329  
12.329  
0.410  
0.700  
1.580  
20.000

PILE JOINT NO. 1012

S T R A N - P Y D A T A

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DATE 06/27/76

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

DEPTH (FT) = 95.00  
FORCE (K/IN) 1.581 3.167 4.945 6.314 8.126 13.001 13.001  
DEFL (IN) .023 .098 .250 .410 .700 1.580 20.000

DEPTH (FT) = 114.00  
FORCE (K/IN) 1.838 3.728 5.833 7.452 9.594 15.350 15.350  
DEFL (IN) .022 .097 .250 .410 .700 1.580 20.000

DEPTH (FT) = 200.00  
FORCE (K/IN) 1.838 3.728 5.833 7.452 9.594 15.350 15.350  
DEFL (IN) .022 .097 .250 .410 .700 1.580 20.000

LOAD CONDITION NO. 6  
CYCLE NO. 1

S I R A N - N U N L I N E A H S U P P O R T I T E R A T I O N S

PAGE 1  
DATE 08/27/76

U.S. NAVY - ACR PLATEFORMS - PLATEFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE AT NONLINEAR SUPPORTS (KIPS, IN-KIPS)		STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)		PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)		PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE PERCENT (IN, RAD) DIFFERENCE	
		AT NONLINEAR SUPPORTS	AT SUPPORTS	AT NONLINEAR SUPPORTS	AT SUPPORTS	AT NONLINEAR SUPPORTS	AT SUPPORTS	AT NONLINEAR SUPPORTS	AT SUPPORTS
1010	1	-2.8624	.5007	-.5007	-.00689	-.00689			
1010	2	-21.0041	-.04869	-.04869	-.05058	-.05058			
1010	3	-179.2308	-.02472	-.02472	-.02472	-.02472			
1010	4	-2100.4077	.00044	.00044	.00014	.00014			
1010	5	286.2944	-.00500	-.00500	-.00002	-.00002			
1010	6	5780.3545	.00340	.00340	.00340	.00340			
1011	1	-3.0628	.02210	.02210	.10380	.10380			
1011	2	-441.4165	-.61231	-.61231	-2.86313	-2.86313			
1011	3	1760.1722	.25259	.25259	.25259	.25259			
1011	4	-44141.6494	.00004	.00004	.00746	.00746			
1011	5	509.2774	.00022	.00022	.00022	.00022			
1011	6	4795.6587	.00432	.00432	.00432	.00432			
1012	1	-1.9325	.03512	.03512	.18149	.18149			
1012	2	430.5742	.63695	.63695	3.27949	3.27949			
1012	3	-2290.4773	-.32500	-.32500	-.32500	-.32500			
1012	4	43057.4168	-.00633	-.00633	-.00957	-.00957			
1012	5	193.2476	.00935	.00935	.00053	.00053			
1012	6	4710.6895	.00424	.00424	.00424	.00424			

S T R A N - N U N L I N E A K S U P P O R T I T E R A T I O N S

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

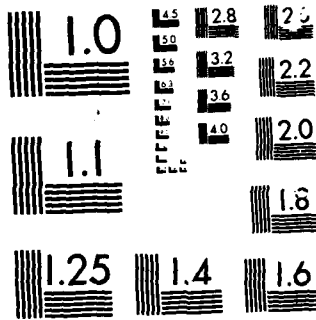
NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS, IN=KIPS)		STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, MAD)		PILE DISPLACEMENTS AT SUPPORTS (IN, MAU)		RESULTANT DISPLACEMENTS DIFFERENCE (IN, MAD)		PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE PERCENT	
		AT NONLINEAR SUPPORTS (KIPS, IN=KIPS)	ACTIONS	DISPLACEMENTS AT SUPPORTS (IN, MAD)	DISPLACEMENTS AT SUPPORTS (IN, MAD)	DISPLACEMENTS AT SUPPORTS (IN, MAU)	DISPLACEMENTS AT SUPPORTS (IN, MAD)	DIFFERENCE (IN, MAD)	DIFFERENCE PERCENT		
1010	1	-19.8223		-.42145	-.26179						
1010	2	-25.3295		-.09157	-.33453			.0065		.0153	
1010	3	-173.9635		-.02468							
1010	4	-1210.2751		.00039	.00184						
1010	5	-14104.6169		-.00279	-.00140			.0005		.2055	
1010	6	2424.3498		.00204	.00264						
1011	1	.7769		.10208	.16838						
1011	2	-434.3168		-2.30248	-2.41354			.1146		.0497	
1011	3	1776.1253		.25202	.25202						
1011	4	-51600.2047		.00540	.00592						
1011	5	2366.8851		.00056	.00041			.0000		.0012	
1011	6	4094.4265		.00369	.00369						
1012	1	1.8070		.12546	.19849						
1012	2	414.9461		2.37378	2.51579			.1465		.0616	
1012	3	-2204.5070		-.32416	-.32416						
1012	4	51788.6422		-.00421	-.00634						
1012	5	2264.3730		.00065	.00050			.0001		.0180	
1012	6	4029.0708		.00363	.00365						

U.S. NAVY - ACBR PLATFORMS - PLAIFORM NO. 2 - MML 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS, IN-INPS)		STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)		PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)		PILE-STRUCTURE RESULTANT DISPLACEMENT DIFFERENCE PERCENT	
		(KIPS)	(IN-INPS)	(IN)	(RAD)	(IN)	(RAD)	(IN, RAD)	DIFFERENCE
1010	1	-19.2091		-.50782		-.23613			
1010	2	-25.0166		-.10634		-.30752		.1311	.3382
1010	3	-172.9258		-.02454		-.02454			
1010	4	-1894.7776		.00042		.00169			
1010	5	-13007.5670		-.00299		-.00130		.0009	.4178
1010	6	3024.5755		.00272		.00272			
1011	1	1.1203		.10302		.15521		.0030	.0012
1011	2	-434.2205		-2.41042		-2.40462			
1011	3	1777.2096		.25217		.25217			
1011	4	-51863.9189		.00587		.00587			
1011	5	2672.1469		.00351		.00351		.0000	.0022
1011	6	4200.9237		.00378		.00378			
1012	1	2.1739		.12508		.17885		.0105	.0042
1012	2	414.4989		2.49657		2.46277			
1012	3	-2286.7381		-.32447		-.32447			
1012	4	52022.3928		-.00521		-.00618			
1012	5	2554.5090		.00058		.00034		.0000	.0072
1012	6	4134.0221		.00372		.00372			







MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS		STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,MM)		PILE DISPLACEMENTS AT SUPPORTS (IN,MM)		PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE PERCENT	
		(KIPS,IN-KIPS)	(KIPS,IN-KIPS)	(IN,MM)	(IN,MM)	(IN,MM)	(IN,MM)	(IN,MM)	(IN,MM)
1010	1	-19.2720	-.50268	-.3324	-.3924				
1010	2	-24.9274	-.10514	-.3094	-.3128				
1010	3	-173.0628	-.02456	-.02054					
1010	4	-1054.4136	-.00041	-.00170					
1010	5	-13500.1337	-.00204	-.00131	-.3962				
1010	6	3020.3709	-.00272	-.00272					
1011	1	1.1200	.10269	.1523					
1011	2	-934.1074	-2.40906	-2.40602	.0001				
1011	3	1775.4111	.25213	.25213					
1011	4	-51421.4076	-.00567	-.00567					
1011	5	2-73.0160	-.00051	-.00051	.0000				
1011	6	4146.5492	-.00378	-.00378	.0001				
1012	1	2,1060	.12490	.1764					
1012	2	415.0438	2.49395	2.49310	.0010				
1012	3	-2200.3604	-.52442	-.52442	.0025				
1012	4	52274.4124	-.00620	-.00622					
1012	5	2503.3296	-.00058	-.00045	.0000				
1012	6	4129.7636	-.00372	-.00372	.0018				

S I R A N - N U N L I N E A R - S U P P L U M T I L I E M A T I O N S

U.S. NAVY - ACR PLATFORM NO. 2 - MML 93.0 FEET - 50 IN STORM

NONLINEAR DEGREE OF FREEDOM  
SUPPORT OF JOINT NO. STRUCTURE ACTIONS AT SUPPORTS (KIPS/IN-KIPS) DISPLACEMENTS AT SUPPORTS (IN,RAD) PILE STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD) RESULTANT DISPLACEMENTS DIFFERENCE PERCENT (IN,RAD) DIFFERENCE PERCENT (IN,RAD)

1010	1	-11.4675	.34598	-.07195				
1010	2	-302.2844	-1.06418	-1.69658				
1010	3	942.0193	.13366	.13365				
1010	4	-2740.4217	.00368	.00373				
1010	5	-4603.0453	-.60207	-.00022				
1010	6	-163.4367	.00015	-.00015				
1011	1	9.7478	.36397	.04630				
1011	2	-304.6294	-1.63994	-1.00081				
1011	3	1051.2673	.14417	.14917				
1011	4	-37433.2032	.00366	.00343				
1011	5	8413.7550	.00191	.00011				
1011	6	1019.6998	.00092	.00092				
1012	1	.7577	.02005	.03861				
1012	2	448.7090	2.72338	2.84030				
1012	3	-2649.4713	-.37594	-.37594				
1012	4	55429.2218	-.00684	-.00734				
1012	5	450.6048	.00012	.00010				
1012	6	209.9198	.00019	.00019				



S I R A N - N U N L I N E A K S U P P O R T I L E H A I L U N S

U.S. NAVY - ACBR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR. STURM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS		PILE DISPLACEMENTS		PILE-STRUCTURE RESULTANT DISPLACEMENTS	
		AT NONLINEAR SUPPORTS (KIPS)	DISPLACEMENTS AT SUPPORTS (IN, RAD)	AT SUPPORTS (IN, RAD)	DIFFERENCE (IN, RAD)	DIFFERENCE (IN, RAD)	PERCENT DIFFERENCE
1010	1	15.4850	.57029	.09945			
1010	2	37.1416	.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	437.0496	2.22475	3.03419			
1011	3	-2246.4967	-.31982	-.31982			
1011	4	44019.3536	-.00572	-.00834			
1011	5	-3405.4283	-.00064	-.00071			
1011	6	-5516.1094	-.00249	-.00299			
1012	1	-2.5147	-.14424	-.16157			
1012	2	-346.0593	-2.47423	-1.90044			
1012	3	1859.0089	.26378	.26378			
1012	4	-51024.6743	.00013	.00433			
1012	5	-2768.1671	-.00066	-.00036			
1012	6	-5233.2106	-.00291	-.00291			

S I 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

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

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (IN, RAD)		PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)		PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE PERCENT (IN, RAD)	
		(IN, IN=IPS)	(IN, RAD)	(IN, RAD)	(IN, RAD)	(IN, RAD)	(IN, RAD)
1010	1	17.9686	.59461	.49865	.0998	.2522	
1010	2	-.8659	.02604	-.02376			
1010	3	-267.4230	-.03795	-.03795			
1010	4	-1291.5256	-.00019	.00014			
1010	5	13225.5673	.00261	.00294	.0003	.1242	
1010	6	-1971.5667	-.00176	-.00176			
1011	1	-1.0164	-.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	-3102.5156	-.00279	-.00279			
1012	1	-3.0355	-.14273	-.23866			
1012	2	-437.1490	-2.28541	-2.55955	.2808	.1226	
1012	3	1857.1100	.26551	.26351			
1012	4	-29077.1907	.00609	.00662			
1012	5	-5006.4095	-.00076	-.00062	.0005	.0834	
1012	6	-5037.5441	-.00274	-.00274			

U.S. NAVY - ACR PLATEFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR DEGREE OF FREEDOM  
SUPPORT JOINT NO. 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 PERCENT (IN, RAD) DIFFERENCE PERCENT

1010	1	17,4794	.47504	.41773	.20774	.0252	.0550
1010	2	7,3109	.05302	.17072	2,36156		
1010	3	-269,8820	-.03829	-.03829	-.31454		
1010	4	-254,0022	-.00024	-.00103	-.00580		
1010	5	12505,9895	.00262	.00247	-.00051	.0002	.0566
1010	6	-2063,6488	-.00186	-.00186	-.00289		
1011	1	-1,8917	.13946	.20074	.0134		.0057
1011	2	403,2096	2,35290	2,36156			
1011	3	-2244,4840	-.31454	-.31454			
1011	4	5126,9517	-.00580	-.00580			
1011	5	-3070,3700	-.00289	-.00051	.0000		.0036
1011	6	-3207,0190	-.00289	-.00289			
1012	1	-3,2653	-.14479	-.20439	.0434		.0141
1012	2	-424,0020	-2,44125	-2,34318			
1012	3	1454,7717	.26369	.26369			
1012	4	-50161,4003	.00419	.00576			
1012	5	-3259,1052	-.00070	-.00070	.0002		.0258
1012	6	-3139,7341	-.00283	-.00283			



ST K A M - N O N L I N E A R S U P P O R T I L L E R A I I O N S

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

LOAD CONDITION NO. 9  
CYCLE NO. 1

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 PERCENT	
					(IN, RAD)	DIFFERENCE
1010	1	10.5676	.5215	.07110		
1010	2	208.5404	1.03155	1.94129		
1010	3	-1410.7135	-.20017	-.20017		
1010	4	26215.0067	-.00350	-.00600		
1010	5	4002.0765	.00196	.00022		
1010	6	761.6070	.00069	.00069		
1011	1	-10.2147	-.43473	-.04661		
1011	2	277.4001	1.50268	1.27302		
1011	3	-1448.5211	-.20553	-.20553		
1011	4	36423.0006	-.00371	-.00288		
1011	5	-8370.7748	-.00290	-.00011		
1011	6	-303.7084	-.00035	-.00035		
1012	1	-1.5312	-.04124	-.05816		
1012	2	-465.0232	-2.67021	-2.58744		
1012	3	2179.0096	.30018	.30018		
1012	4	-5394.0826	.00672	.00454		
1012	5	-746.8440	-.00019	-.00014		
1012	6	419.3464	.00038	.00038		

STRAN - NONLINEAR SUPPORT ITERATIONS

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

LOAD CONDITION NO. 2  
CYCLE NO. 2

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS		PILE STRUCTURE		RESULTANT DISPLACEMENTS	
		AT NONLINEAR SUPPORTS (KIPS, IN-KIPS)	DISPLACEMENTS AT SUPPORTS (IN, RAD)	DISPLACEMENTS AT SUPPORTS (IN, RAD)	DIFFERENCE (IN, RAD)	DIFFERENCE (IN, RAD)	PERCENT DIFFERENCE
1010	1	4.9414	.39652	.04849			
1010	2	276.2292	1.58304	1.48955	.0510	.0355	
1010	3	-1422.3524	-.20182	-.20182			
1010	4	3150.7553	-.00365	-.00399			
1010	5	7637.7477	.00214	.00013	.0004	.1030	
1010	6	643.6616	.00362	.00062			
1011	1	-10.3404	.41111	-.05513			
1011	2	271.6022	1.26770	1.43929	.0686	.0656	
1011	3	-1438.1467	-.20406	-.20406			
1011	4	3164.3321	-.00344	-.00363			
1011	5	-6250.0516	-.00220	-.00015	.0003	.0669	
1011	6	-459.3766	-.00041	-.00041			
1012	1	-.4973	-.01309	-.01455			
1012	2	-474.4996	-2.73824	-2.75949	.0212	.0078	
1012	3	2100.9740	.31093	.31003			
1012	4	-5219.1748	.00679	.00664			
1012	5	-255.4907	-.00006	-.00005	.0000	.0069	
1012	6	377.0158	.00034	.00034			

U.S. NAVY - ACR PLATFORMS - PLATFORM NO. 2 - H/L 93.0 FEET - 50 YR STURM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NON-LINEAR SUPPORTS (KIPS, IN-KIPS)		STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)		PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)		PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE PERCENT (IN, RAD) DIFFERENCE	
		10,1158	205,1717	1,41441	1,34946	0,5359	1,30252	0,697	0,498
1010	1	10,1158	205,1717	1,41441	1,34946	0,5359	1,30252	0,697	0,498
1010	2	205,1717	-1419,1593	-2,0156	-2,0156	-2,0156	-2,0384		
1010	3	-1419,1593	30745,3164	-0,0375	-0,0375	-0,0375	-0,0335		
1010	4	30745,3164	6680,0436	0,0193	0,0193	0,0193	0,0015		
1010	5	6680,0436	710,7061	0,0064	0,0064	0,0064	0,0006		0,1850
1010	6	710,7061							
1011	1	-11,3123	259,4932	1,32745	1,32745	1,32745	1,30252	0,0895	0,0687
1011	2	259,4932	-1436,6194	-2,0364	-2,0364	-2,0364	-2,0384		
1011	3	-1436,6194	31412,4993	-0,0341	-0,0341	-0,0341	-0,0335		
1011	4	31412,4993	-9086,6090	-0,0204	-0,0204	-0,0204	-0,0015		
1011	5	-9086,6090	-344,7736	-0,0040	-0,0040	-0,0040	-0,0006		0,1850
1011	6	-344,7736							
1012	1	-25385	684,2714	-2,79765	-2,79765	-2,79765	-2,81593	0,0181	0,0065
1012	2	684,2714	2185,6243	3,1012	3,1012	3,1012	3,1012		
1012	3	2185,6243	-56465,7620	0,0664	0,0664	0,0664	0,0691		
1012	4	-56465,7620	-255,9601	-0,0006	-0,0006	-0,0006	-0,0005	0,0000	0,0045
1012	5	-255,9601	369,4598	0,0035	0,0035	0,0035	0,0035		
1012	6	369,4598							

U.S. NAVY - ACIR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YN STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS		STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)		PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)		PILE STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE PERCENT (IN, RAD) DIFFERENCE	
		(KIPS, IN-KIPS)	(KIPS, IN-KIPS)	(IN, RAD)	(IN, RAD)	(IN, RAD)	(IN, RAD)	(IN, RAD)	(IN, RAD)
1010	1	10.1510		.59734	.05433				
1010	2	208.6520		1.41283	1.43778			.0288	.0200
1010	3	-1419.5075		-.20143	-.20143				
1010	4	30912.4969		-.00377	-.00387				
1010	5	5715.7297		.00193	.00015			-.0004	.0918
1010	6	705.4213		.00064	.00064				
1011	1	-11.4204		.41410	.05864			.0516	.0233
1011	2	263.5023		1.52187	1.55296				
1011	3	-1435.6553		-.20365	-.20365				
1011	4	31351.5240		-.00340	-.00354				
1011	5	-9193.0352		-.00202	-.00015			.0004	.1166
1011	6	-453.4543		-.00041	-.00041				
1012	1	-5.241		.01391	.01957			.0095	.0034
1012	2	480.7751		-2.79403	-2.78048				
1012	3	2104.3045		.30994	.30994				
1012	4	-56521.1877		.00666	.00663				
1012	5	-244.6535		-.00006	-.00005			.0000	.0035
1012	6	385.2077		.00035	.00035				

STRAN - PILE ANALYSIS

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

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)
6.00	0.312	893.52	60.94	0.003	-2.45	137.88	0.000	0.00
2.03	0.301	7729.00	70.97	0.002	11.19	139.91	0.000	0.00
4.05	0.297	8504.02	72.99	0.002	18.49	141.93	0.000	0.00
6.08	0.293	9274.53	75.02	0.001	21.15	143.96	0.000	0.00
8.11	0.282	10052.07	77.05	0.001	20.68	145.99	0.000	0.00
10.14	0.270	10741.45	79.08	0.000	19.33	148.02	0.000	0.00
12.17	0.257	11233.65	81.10	0.000	15.06	150.04	0.000	0.00
14.19	0.245	11442.50	83.13	0.000	11.54	152.07	0.000	0.00
16.22	0.229	11304.83	85.16	0.000	8.24	154.10	0.000	0.00
18.25	0.250	10747.57	87.19	0.000	5.41	156.13	0.000	0.00
20.28	0.304	9932.81	89.22	0.000	3.14	158.15	0.000	0.00
22.30	0.356	8902.29	91.24	0.000	1.47	160.14	0.000	0.00
24.33	0.404	7523.55	93.27	0.000	0.52	162.21	0.000	0.00
26.36	0.434	6199.17	95.30	0.000	-0.39	164.24	0.000	0.00
28.39	0.464	4912.17	97.33	0.000	-0.77	166.26	0.000	0.00
30.41	0.512	3723.25	99.35	0.000	-0.90	168.29	0.000	0.00
32.44	0.522	2672.35	101.38	0.000	-0.88	170.32	0.000	0.00
34.47	0.521	1740.93	103.41	0.000	-0.77	172.35	0.000	0.00
36.50	0.511	1047.79	105.44	0.000	-0.62	174.38	0.000	0.00
38.52	0.496	489.49	107.46	0.000	-0.46	176.40	0.000	0.00
40.55	0.469	41.34	109.49	0.000	-0.31	178.43	0.000	0.00
42.58	0.433	-251.70	111.52	0.000	-0.19	180.46	0.000	0.00
44.61	0.397	-424.39	113.55	0.000	-0.10	182.49	0.000	0.00
46.64	0.354	-510.64	115.57	0.000	-0.04	184.51	0.000	0.00
48.66	0.322	-524.41	117.60	0.000	0.00	186.54	0.000	0.00
50.69	0.315	-494.03	119.63	0.000	0.03	188.57	0.000	0.00
52.72	0.306	-355.46	121.66	0.000	0.04	190.60	0.000	0.00
54.75	0.292	-363.70	123.68	0.000	0.04	192.62	0.000	0.00
56.77	0.282	-267.47	125.71	0.000	0.03	194.65	0.000	0.00
58.80	0.285	-215.59	127.74	0.000	0.03	196.68	0.000	0.00
60.83	0.294	-151.40	129.77	0.000	0.02	198.71	0.000	0.00
62.86	0.304	-97.47	131.80	0.000	0.01	200.73	0.000	0.00
64.88	0.304	-55.58	133.82	0.000	0.01	202.76	0.000	0.00
66.91	0.303	-20.17	135.85	0.000	0.00			

LOAD CONDITION NO. 0  
PILE JUMP NO. 1011

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (10-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (10-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (10-KIPS)
1.00	2.4110	-51541.79	68.94	.0012	-504.99	137.88	-.0000	.06
2.05	2.2580	-41270.31	70.97	.0014	-368.46	139.91	-.0000	.04
3.15	2.0914	-31024.54	72.99	.0013	-212.48	141.93	-.0000	.02
4.25	1.9147	-20798.09	75.02	.0011	-95.48	143.96	-.0000	.01
5.35	1.7293	-10504.59	77.05	.0009	-15.37	145.99	-.0000	.00
6.45	1.5302	-519.00	79.08	.0007	53.83	148.02	-.0000	.00
7.55	1.3213	9114.30	81.10	.0005	60.72	150.04	-.0000	.00
8.65	1.1055	17896.00	83.13	.0003	70.69	152.07	-.0000	.00
9.75	.8800	25275.05	85.16	.0002	69.36	154.10	-.0000	.00
10.85	.6455	31543.40	87.19	.0001	61.31	156.13	-.0000	.00
11.95	.4020	36351.54	89.22	.0000	50.04	158.15	-.0000	.00
13.05	.2503	39594.09	91.24	-.0000	38.02	160.18	-.0000	.00
14.15	.1931	41205.70	93.27	-.0000	25.82	162.21	-.0000	.00
15.25	.1296	41347.80	95.30	-.0001	17.31	164.24	-.0000	.00
16.35	.0649	39601.87	97.33	-.0000	-9.82	166.26	-.0000	.00
17.45	.0000	36924.47	99.35	-.0000	4.34	168.29	-.0000	.00
18.55	.0626	32714.21	101.38	-.0000	65	170.32	-.0000	.00
19.65	.0187	2772.20	103.41	-.0000	-1.57	172.35	-.0000	.00
20.75	-.0085	22502.55	105.44	-.0000	-2.69	174.38	-.0000	.00
21.85	-.0255	17571.15	107.47	-.0000	-3.02	176.40	-.0000	.00
22.95	-.0345	12949.76	109.49	-.0000	-2.86	178.43	-.0000	.00
24.05	-.0376	8255.70	111.52	-.0000	-2.44	180.46	-.0000	.00
25.15	-.0307	3604.65	113.55	-.0000	-1.91	182.49	-.0000	.00
26.25	-.0352	3021.03	115.57	-.0000	-1.38	184.51	-.0000	.00
27.35	-.0283	1114.05	117.60	-.0000	-.91	186.54	-.0000	.00
28.45	-.0249	-221.42	119.63	-.0000	-.54	188.57	-.0000	.00
29.55	-.0177	-1077.21	121.66	-.0000	-.26	190.60	-.0000	.00
30.65	-.0127	-1548.35	123.68	-.0000	-.07	192.62	-.0000	.00
31.75	-.0080	-1720.61	125.71	-.0000	.04	194.65	-.0000	.00
32.85	-.0055	-1703.25	127.74	-.0000	.10	196.68	-.0000	.00
33.95	-.0030	-1545.31	129.77	-.0000	.12	198.71	-.0000	.00
35.05	-.0011	-1313.84	131.80	-.0000	.12	200.73	-.0000	.00
36.15	.0001	-1053.65	133.82	-.0000	.10	202.76	-.0000	.00
37.25	.0008	-797.32	135.85	-.0000	.08			

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - NWL 93.0 FEET - 50 YK STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)		DEFLECTION NORMAL TO PILE (INCHES)		PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)		BENDING MOMENT (IN-KIPS)	BENDING MOMENT (IN-KIPS)	BENDING MOMENT (IN-KIPS)
	PILE	MOMENT	PILE	MOMENT		PILE	MOMENT			
0.00	2.4396	-5159.01	68.94	.0014	137.88	-575.36	.0000	.04		
2.03	2.3367	-11514.48	70.97	.0015	139.91	-369.26	.0000	.04		
4.06	2.1432	-31037.43	72.99	.0014	141.93	-205.51	.0000	.02		
6.09	1.9709	-20535.12	75.02	.0012	143.96	-65.82	.0000	.01		
8.11	1.7434	-10015.36	77.05	.0010	145.99	-4.36	.0000	.00		
10.14	1.5403	370.12	79.08	.0007	148.02	45.55	.0000	.00		
12.17	1.3595	10214.02	81.10	.0005	150.04	71.14	.0000	.01		
14.19	1.1902	14174.82	83.13	.0003	152.07	79.28	.0000	.01		
16.22	1.0396	2097.36	85.16	.0002	154.10	75.96	.0000	.01		
18.25	.8824	53450.40	87.19	.0001	156.13	66.02	.0000	.00		
20.28	.6670	30380.51	89.22	.0000	158.15	53.10	.0000	.00		
22.30	.5168	41001.01	91.24	.0000	160.18	39.76	.0000	.00		
24.33	.3856	43305.72	93.27	.0001	162.21	27.57	.0000	.00		
26.36	.2740	43267.22	95.30	.0001	164.24	17.36	.0000	.00		
28.39	.1821	41591.29	97.33	.0001	166.26	9.47	.0000	.00		
30.41	.1091	38304.45	99.35	.0000	168.29	3.77	.0000	.00		
32.44	.0556	33867.94	101.38	.0000	170.32	.01	.0000	.00		
34.47	.0155	28555.66	103.41	.0000	172.35	-2.14	.0000	.00		
36.50	-.0156	23216.63	105.44	.0000	174.38	-3.22	.0000	.00		
38.52	-.0302	17944.46	107.46	.0000	176.40	-3.45	.0000	.00		
40.55	-.0505	13121.35	109.49	.0000	178.43	-3.18	.0000	.00		
42.58	-.0709	8430.64	111.52	.0000	180.46	-2.65	.0000	.00		
44.61	-.0943	5505.68	113.55	.0000	182.49	-2.03	.0000	.00		
46.64	-.0951	2451.00	115.57	.0000	184.51	-1.44	.0000	.00		
48.66	-.0297	908.10	117.60	.0000	186.54	-.93	.0000	.00		
50.69	-.0259	-439.47	119.63	.0000	188.57	-.53	.0000	.00		
52.72	-.0161	-1287.34	121.66	.0000	190.60	-.24	.0000	.00		
54.75	-.0151	-1737.75	123.68	.0000	192.62	-.04	.0000	.00		
56.77	-.0089	-1869.69	125.71	.0000	194.65	.07	.0000	.00		
58.80	-.0053	-1452.90	127.74	.0000	196.68	.13	.0000	.00		
60.83	-.0027	-1043.76	129.77	.0000	198.71	.14	.0000	.00		
62.86	-.0009	-1363.69	131.80	.0000	200.73	.14	.0000	.00		
64.88	.0003	-1099.15	133.82	.0000	202.76	.11	.0000	.00		
66.91	.0011	-822.74	135.85	.0000		.09	.0000	.00		

STRAN-PILE ANALYSIS

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

PILE LENGTH (FT)	DEFLECTION			DEFLECTION			PILE LENGTH (FT)	DEFLECTION		
	NORMAL TO PILE (INCHES)	BENDING MOMENT (10-KIPS)	PILE LENGTH (FT)	NORMAL TO PILE (INCHES)	BENDING MOMENT (10-KIPS)	PILE LENGTH (FT)		NORMAL TO PILE (INCHES)	BENDING MOMENT (10-KIPS)	PILE LENGTH (FT)
0.00	1.4556	-51772.20	68.94	0.000	-284.73	137.88	0.000	0.00	137.88	0.03
2.05	1.5541	-24094.95	70.97	0.009	-171.02	139.91	0.000	0.00	139.91	0.02
4.06	1.2734	-18025.94	72.99	0.008	-84.79	141.93	0.000	0.00	141.93	0.01
6.08	1.1573	-11162.95	75.02	0.007	-23.82	143.96	0.000	0.00	143.96	0.00
8.11	1.0308	-4303.68	77.05	0.005	15.65	145.99	0.000	0.00	145.99	0.00
10.14	.9143	2431.76	79.08	0.004	38.02	148.02	0.000	0.00	148.02	0.00
12.17	.7957	6768.74	81.10	0.003	47.69	150.04	0.000	0.00	150.04	0.00
14.19	.6756	14459.15	83.13	0.002	48.63	152.07	0.000	0.00	152.07	0.00
16.22	.5626	19521.56	85.16	0.001	44.17	154.10	0.000	0.00	154.10	0.00
18.25	.4563	25192.67	87.19	0.000	36.88	156.13	0.000	0.00	156.13	0.00
20.28	.3503	29450.49	89.22	0.000	28.64	158.15	0.000	0.00	158.15	0.00
22.30	.2704	27555.40	91.24	0.000	20.70	160.18	0.000	0.00	160.18	0.00
24.33	.1951	27432.84	93.27	0.000	13.78	162.21	0.000	0.00	162.21	0.00
26.36	.1325	27191.82	95.30	0.000	8.20	164.24	0.000	0.00	164.24	0.00
28.39	.0823	25343.73	97.33	0.000	4.02	166.28	0.000	0.00	166.28	0.00
30.41	.0457	22594.21	99.35	0.000	1.12	168.29	0.000	0.00	168.29	0.00
32.44	.0151	19314.53	101.38	0.000	-0.70	170.32	0.000	0.00	170.32	0.00
34.47	0.0045	15845.19	103.41	0.000	-1.68	172.35	0.000	0.00	172.35	0.00
36.50	0.0170	12442.01	105.44	0.000	-2.06	174.38	0.000	0.00	174.38	0.00
38.52	-1.0238	9262.02	107.46	0.000	-2.04	176.40	0.000	0.00	176.40	0.00
40.55	0.0203	6494.55	109.49	0.000	-1.80	178.43	0.000	0.00	178.43	0.00
42.58	0.0260	4157.59	111.52	0.000	-1.44	180.46	0.000	0.00	180.46	0.00
44.61	0.0237	2502.44	113.55	0.000	-1.07	182.49	0.000	0.00	182.49	0.00
46.64	0.0204	921.71	115.57	0.000	0.73	184.51	0.000	0.00	184.51	0.00
48.66	0.0166	-433.67	117.60	0.000	0.45	186.54	0.000	0.00	186.54	0.00
50.69	0.0129	-675.18	119.63	0.000	0.24	188.57	0.000	0.00	188.57	0.00
52.72	0.0095	-1055.47	121.66	0.000	0.09	190.60	0.000	0.00	190.60	0.00
54.75	0.0060	-1188.10	123.68	0.000	0.01	192.62	0.000	0.00	192.62	0.00
56.77	0.0042	-1191.47	125.71	0.000	0.00	194.65	0.000	0.00	194.65	0.00
58.80	0.0023	-1096.32	127.74	0.000	0.08	196.68	0.000	0.00	196.68	0.00
60.83	0.0010	-944.20	129.77	0.000	0.08	198.71	0.000	0.00	198.71	0.00
62.86	0.0001	-767.50	131.80	0.000	0.06	200.73	0.000	0.00	200.73	0.00
64.89	0.0005	-569.49	133.82	0.000	0.06	202.76	0.000	0.00	202.76	0.00
66.91	0.0008	-425.54	135.85	0.000	0.05					



STRAN - P I L E A N A L Y S I S

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

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)		BENDING MOMENT (IN-KIPS)		PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)		BENDING MOMENT (IN-KIPS)
	DEFLECTION NORMAL TO PILE (INCHES)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	BENDING MOMENT (IN-KIPS)		DEFLECTION NORMAL TO PILE (INCHES)	DEFLECTION NORMAL TO PILE (INCHES)	
0.00	1.4850	-35500.57	69.94	-242.54	137.68	-0.0000	-0.0000	0.03
2.05	1.5863	-26544.71	70.97	-177.26	139.91	-0.0000	-0.0000	0.02
4.00	1.2792	-19506.52	72.99	-69.47	141.93	-0.0000	-0.0000	0.01
6.08	1.1633	-12577.71	75.02	-27.04	143.96	-0.0000	-0.0000	0.00
8.11	1.0439	-9551.40	77.05	13.55	145.99	-0.0000	-0.0000	0.00
10.14	0.9229	1500.25	79.08	36.85	146.02	-0.0000	-0.0000	0.00
12.17	0.8014	7447.47	81.10	47.19	150.04	-0.0000	-0.0000	0.00
14.14	0.6737	13702.95	83.13	48.59	152.07	-0.0000	-0.0000	0.00
16.22	0.5704	18721.45	85.16	44.81	154.10	-0.0000	-0.0000	0.00
18.25	0.4937	22742.42	87.19	37.26	156.13	-0.0000	-0.0000	0.00
20.24	0.4350	25643.44	89.22	29.07	158.15	-0.0000	-0.0000	0.00
22.30	0.2704	27580.42	91.24	21.11	160.18	-0.0000	-0.0000	0.00
24.33	0.2002	27077.24	93.27	14.13	162.21	-0.0000	-0.0000	0.00
26.36	0.1304	27242.35	95.30	8.48	164.24	-0.0000	-0.0000	0.00
28.39	0.0457	25467.53	97.33	4.23	166.26	-0.0000	-0.0000	0.00
30.41	0.0402	22745.65	99.35	1.27	168.29	-0.0000	-0.0000	0.00
32.44	0.0171	19547.30	101.38	-0.61	170.32	-0.0000	-0.0000	0.00
34.47	-0.0032	16065.04	103.41	-1.63	172.35	-0.0000	-0.0000	0.00
36.50	-0.0101	12672.20	105.44	-2.04	174.38	-0.0000	-0.0000	0.00
38.52	-0.0233	9491.17	107.46	-2.05	176.40	-0.0000	-0.0000	0.00
40.55	-0.0261	6675.46	109.49	-1.81	178.43	-0.0000	-0.0000	0.00
42.59	-0.0259	4306.97	111.52	-1.46	180.46	-0.0000	-0.0000	0.00
44.61	-0.0234	2420.12	113.55	-1.09	182.49	-0.0000	-0.0000	0.00
46.64	-0.0206	1009.90	115.57	-0.75	184.51	-0.0000	-0.0000	0.00
48.66	-0.0169	14.35	117.60	-0.46	186.54	-0.0000	-0.0000	0.00
50.69	-0.0131	-630.54	119.63	-0.25	188.57	-0.0000	-0.0000	0.00
52.72	-0.0097	-1012.12	121.66	-0.10	190.60	-0.0000	-0.0000	0.00
54.75	-0.0064	-1177.61	123.68	0.00	192.62	-0.0000	-0.0000	0.00
56.77	-0.0043	-1190.45	125.71	0.06	194.65	-0.0000	-0.0000	0.00
58.80	-0.0025	-1101.34	127.74	0.08	196.68	-0.0000	-0.0000	0.00
60.83	-0.0011	-952.75	129.77	0.08	198.71	-0.0000	-0.0000	0.00
62.86	-0.0001	-777.51	131.80	0.08	200.73	-0.0000	-0.0000	0.00
64.88	0.0005	-599.50	133.82	0.06	202.76	-0.0000	-0.0000	0.00
66.91	0.0008	-434.71	135.85	0.05				

LOAD CONDITION NO. 7  
PILE JOINT NO. 1012

STRAN-PILE ANALYSIS

PAGE 6  
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YK 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	2.6679	-59645.00	68.94	.0015	-695.67	137.88	-.0000	.00
2.00	2.6673	-47900.92	70.97	.0017	-453.90	139.91	-.0000	.05
4.00	2.4869	-36238.14	72.99	.0016	-261.43	141.93	-.0000	.03
6.00	2.2794	-24469.59	75.02	.0014	-118.07	143.96	-.0000	.01
8.11	2.0011	-12689.23	77.05	.0011	-10.96	145.99	-.0000	.00
10.14	1.6579	-1027.56	79.08	.0009	43.12	148.02	-.0000	.00
12.17	1.2144	1098.18	81.10	.0009	76.34	150.04	-.0000	.01
14.19	1.3945	20250.06	83.13	.0004	88.54	152.07	-.0000	.01
16.22	1.2116	29150.49	85.16	.0002	66.70	154.10	-.0000	.01
18.25	.9790	36533.24	87.19	.0001	76.52	156.13	-.0000	.01
20.28	.7492	42269.66	89.22	.0000	62.36	158.15	-.0000	.00
22.30	.6181	46244.30	91.25	-.0000	47.27	160.18	-.0000	.00
24.33	.4490	40372.16	93.27	-.0001	33.24	162.21	-.0000	.00
26.36	.3339	40689.32	95.30	-.0001	21.34	164.24	-.0000	.00
28.39	.2260	47157.07	97.33	-.0001	11.99	166.26	-.0000	.00
30.41	.1395	43644.96	99.35	-.0001	5.17	168.29	-.0000	.00
32.44	.0730	39214.66	101.38	-.0000	.59	170.32	-.0000	.00
34.47	.0243	33490.36	103.41	-.0000	-2.16	172.35	-.0000	.00
36.50	-.0091	27494.41	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	15463.04	109.49	-.0000	-3.65	178.43	-.0000	.00
42.58	-.0454	10944.44	111.52	-.0000	-3.09	180.46	-.0000	.00
44.61	-.0445	6956.44	113.55	-.0000	-2.40	182.49	-.0000	.00
46.64	-.0403	3746.62	115.57	-.0000	-1.72	184.51	-.0000	.00
48.66	-.0345	1452.19	117.60	-.0000	-1.14	186.54	-.0000	.00
50.69	-.0260	-201.22	119.63	-.0000	.66	188.57	-.0000	.00
52.72	-.0214	-1267.91	121.66	-.0000	-1.31	190.60	-.0000	.00
54.75	-.0157	-1462.51	123.68	-.0000	-.06	192.62	-.0000	.00
56.77	-.0107	-2047.52	125.71	-.0000	.06	194.65	-.0000	.00
58.80	-.0067	-2077.31	127.74	-.0000	.14	196.68	-.0000	.00
60.83	-.0035	-1491.16	129.77	-.0000	.16	198.71	-.0000	.00
62.86	-.0013	-1611.46	131.80	-.0000	.16	200.73	-.0000	.00
64.88	.0002	-1245.20	133.82	-.0000	.13	202.76	-.0000	.00
66.91	.0011	-461.26	135.85	-.0000	.10			

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)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	0.000	11492.30	68.94	0.003	3.43	137.88	0.000	0.00			
2.03	0.347	12170.34	70.97	0.002	17.37	139.91	0.000	0.00			
4.06	0.350	12047.28	72.99	0.002	24.26	141.93	0.000	0.00			
6.09	0.270	13122.97	75.02	0.001	26.11	143.96	0.000	0.00			
8.11	0.205	13597.42	77.05	0.001	24.66	145.99	0.000	0.00			
10.14	0.145	13054.12	79.08	0.000	21.32	148.02	0.000	0.00			
12.17	0.115	14106.39	81.10	0.000	17.14	150.04	0.000	0.00			
14.19	0.101	14055.73	83.13	0.000	12.87	152.07	0.000	0.00			
16.22	0.079	13580.43	85.16	0.000	8.98	154.10	0.000	0.00			
18.25	0.053	12734.41	87.19	0.000	5.71	156.13	0.000	0.00			
20.28	0.029	11511.09	89.22	0.000	3.16	158.15	0.000	0.00			
22.30	0.024	10701.37	91.24	0.000	1.31	160.18	0.000	0.00			
24.33	0.009	8406.90	93.27	0.000	0.07	162.21	0.000	0.00			
26.36	0.007	8422.84	95.30	0.000	0.00	164.24	0.000	0.00			
28.39	0.010	5374.26	97.33	0.000	-1.02	166.26	0.000	0.00			
30.41	0.014	3449.50	99.35	0.000	-1.12	168.29	0.000	0.00			
32.44	0.015	2401.47	101.38	0.000	-1.05	170.32	0.000	0.00			
34.47	0.014	1500.60	103.41	0.000	-0.89	172.35	0.000	0.00			
36.50	0.015	989.73	105.44	0.000	-0.70	174.38	0.000	0.00			
38.52	0.011	361.24	107.46	0.000	-0.51	176.40	0.000	0.00			
40.55	0.004	44.90	109.49	0.000	-0.34	178.43	0.000	0.00			
42.59	0.007	397.17	111.52	0.000	-0.20	180.46	0.000	0.00			
44.61	0.002	564.47	113.55	0.000	-0.10	182.49	0.000	0.00			
46.64	0.003	534.12	115.57	0.000	-0.03	184.51	0.000	0.00			
48.66	0.023	635.44	117.60	0.000	0.02	186.54	0.000	0.00			
50.69	0.013	502.30	119.63	0.000	0.04	188.57	0.000	0.00			
52.72	0.000	503.34	121.66	0.000	0.05	190.60	0.000	0.00			
54.75	0.000	415.26	123.68	0.000	0.05	192.62	0.000	0.00			
56.77	0.003	321.47	125.71	0.000	0.04	194.65	0.000	0.00			
58.80	0.005	236.19	127.74	0.000	0.03	196.68	0.000	0.00			
60.83	0.005	162.02	129.77	0.000	0.02	198.71	0.000	0.00			
62.86	0.005	101.16	131.80	0.000	0.02	200.73	0.000	0.00			
64.88	0.005	54.01	133.82	0.000	0.01	202.76	0.000	0.00			
66.91	0.004	19.64	135.85	0.000	0.00						

STRAN - PILE ANALYSIS

LOAD CONDITION NO. 9  
PILE JOINT NO. 1011

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

PILE LENGTH (FT)	DEFLECTION		PILE LENGTH (FT)	DEFLECTION		PILE LENGTH (FT)	DEFLECTION	
	NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)		NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)		NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.3704	-50404.11	68.44	0.014	-542.43	137.88	0.000	0.00
2.03	2.2169	-30566.06	70.97	0.014	-345.90	139.91	0.000	0.04
4.06	2.0532	-30535.96	72.99	0.013	-191.80	141.93	0.000	0.02
6.09	1.8767	-20361.87	75.02	0.012	-78.75	143.96	0.000	0.01
8.11	1.6931	-10171.74	77.05	0.009	-2.03	145.99	0.000	0.00
10.14	1.5060	-113.62	79.08	0.007	44.76	146.02	0.000	0.00
12.17	1.3128	917.15	81.10	0.005	68.54	150.04	0.000	0.00
14.19	1.1349	16097.19	83.13	0.003	75.86	152.07	0.000	0.01
16.22	0.9573	25666.45	85.16	0.002	72.40	154.10	0.000	0.01
18.25	0.7828	31910.87	87.19	0.001	62.75	156.13	0.000	0.00
20.28	0.6316	36573.65	89.22	0.000	50.35	158.15	0.000	0.00
22.30	0.4965	39253.60	91.24	0.000	37.61	160.18	0.000	0.00
24.33	0.3638	41401.17	93.27	0.000	26.01	162.21	0.000	0.00
26.35	0.2579	41355.42	95.30	0.001	16.33	164.24	0.000	0.00
28.39	0.1708	39446.11	97.33	0.001	8.84	166.26	0.000	0.00
30.41	0.1017	36555.40	99.35	0.000	3.46	168.29	0.000	0.00
32.44	0.0443	32218.40	101.38	0.000	-0.08	170.32	0.000	0.00
34.47	0.0115	27188.27	103.41	0.000	-2.14	172.35	0.000	0.00
36.50	0.0140	21467.50	105.44	0.000	-3.09	174.38	0.000	0.00
38.52	0.0294	16259.87	107.46	0.000	-3.29	176.40	0.000	0.00
40.55	0.0371	12376.73	109.49	0.000	-3.02	176.43	0.000	0.00
42.58	0.0342	8399.69	111.52	0.000	-2.51	180.45	0.000	0.00
44.61	0.0375	5145.62	113.55	0.000	-1.92	182.49	0.000	0.00
46.64	0.0334	2635.40	115.57	0.000	-1.36	184.51	0.000	0.00
48.66	0.0262	802.92	117.60	0.000	-0.87	186.54	0.000	0.00
50.69	0.0226	-463.97	119.63	0.000	-0.49	188.57	0.000	0.00
52.72	0.0172	-1257.17	121.66	0.000	-0.22	190.60	0.000	0.00
54.75	0.0123	-1574.30	123.68	0.000	-0.04	192.62	0.000	0.00
56.77	0.0082	-1869.42	125.71	0.000	0.07	194.65	0.000	0.00
58.80	0.0050	-1749.00	127.74	0.000	0.12	196.68	0.000	0.00
60.83	0.0025	-1564.26	129.77	0.000	0.14	196.71	0.000	0.00
62.86	0.0004	-1313.74	131.80	0.000	0.13	200.73	0.000	0.00
64.88	0.0004	-1041.36	133.82	0.000	0.11	202.76	0.000	0.00
66.91	0.0010	-777.74	135.85	0.000	0.08			

S T R A I N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 8  
PILE JOINT NO. 1012  
U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MNL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)		PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)		PILE LENGTH (FT)	BENDING MOMENT (IN-KIPS)		PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)		BENDING MOMENT (IN-KIPS)
	0.00	2.4022		68.94	0.012		0.013	554.76		360.59	137.88	
2.03	2.2479	39595.05	70.97	0.013	0.013	360.59	360.59	139.91	0.000	0.04		
4.05	2.0797	29526.72	72.99	0.013	0.013	206.79	206.79	141.93	0.000	0.02		
6.08	1.9011	19477.24	75.02	0.011	0.011	92.68	92.68	143.96	0.000	0.01		
8.11	1.7157	9440.46	77.05	0.009	0.009	14.11	14.11	145.99	0.000	0.00		
10.14	1.5270	449.86	79.08	0.007	0.007	34.93	34.93	148.02	0.000	0.00		
12.17	1.3305	9409.25	81.10	0.005	0.005	61.01	61.01	150.04	0.000	0.00		
14.19	1.1528	1623.77	83.13	0.003	0.003	70.46	70.46	152.07	0.000	0.00		
16.22	0.9747	25743.37	85.16	0.002	0.002	68.84	68.84	154.10	0.000	0.00		
18.25	0.8050	31862.20	87.19	0.001	0.001	60.68	60.68	156.13	0.000	0.00		
20.27	0.6365	36530.25	89.22	0.000	0.000	49.41	49.41	158.15	0.000	0.00		
22.30	0.5025	39650.16	91.24	0.000	0.000	37.45	37.45	160.18	0.000	0.00		
24.33	0.3765	41203.43	93.27	0.000	0.000	26.35	26.35	162.21	0.000	0.00		
26.36	0.2592	41187.78	95.30	0.001	0.001	16.95	16.95	164.24	0.000	0.00		
28.39	0.1407	39629.20	97.33	0.000	0.000	9.57	9.57	166.26	0.000	0.00		
30.41	0.1102	36621.40	99.35	0.000	0.000	4.18	4.18	168.29	0.000	0.00		
32.44	0.0803	32564.30	101.38	0.000	0.000	56	56	170.32	0.000	0.00		
34.47	0.0172	27436.26	103.41	0.000	0.000	-1.61	-1.61	172.35	0.000	0.00		
36.50	0.0095	22269.68	105.44	0.000	0.000	-2.69	-2.69	174.38	0.000	0.00		
38.52	0.0280	17292.42	107.45	0.000	0.000	-3.01	-3.01	176.40	0.000	0.00		
40.55	0.0347	12713.90	109.49	0.000	0.000	-2.84	-2.84	178.43	0.000	0.00		
42.59	0.0376	8735.11	111.52	0.000	0.000	-2.41	-2.41	180.46	0.000	0.00		
44.61	0.0365	5458.39	113.55	0.000	0.000	-1.88	-1.88	182.49	0.000	0.00		
46.64	0.0329	2914.33	115.57	0.000	0.000	-1.35	-1.35	184.51	0.000	0.00		
48.66	0.0280	1042.35	117.60	0.000	0.000	-0.89	-0.89	186.54	0.000	0.00		
50.69	0.0226	-266.07	119.63	0.000	0.000	-0.52	-0.52	188.57	0.000	0.00		
52.72	0.0171	-1100.11	121.66	0.000	0.000	-0.25	-0.25	190.60	0.000	0.00		
54.75	0.0125	-1555.42	123.68	0.000	0.000	-0.07	-0.07	192.62	0.000	0.00		
56.77	0.0086	-1724.71	125.71	0.000	0.000	0.04	0.04	194.65	0.000	0.00		
58.80	0.0055	-1692.70	127.74	0.000	0.000	0.10	0.10	196.68	0.000	0.00		
60.83	0.0029	-1551.34	129.77	0.000	0.000	0.12	0.12	198.71	0.000	0.00		
62.85	0.0011	-1298.97	131.80	0.000	0.000	0.12	0.12	200.73	0.000	0.00		
64.88	0.0001	-1059.69	133.82	0.000	0.000	0.10	0.10	202.76	0.000	0.00		
66.91	0.0009	-764.88	135.85	0.000	0.000	0.08	0.08					

STRAN - PILE ANALYSIS

LOAD CONDITION NO. 9  
PILE JOINT NO. 1010

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

PILE LENGTH (FT)	DEFLECTION			DEFLECTION			DEFLECTION		
	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	NORMAL TO PILE (INCHES)
0.00	-50561.35	68.94	.0010	-286.25	137.88	-.0000	.03		
2.05	-25674.48	70.97	.0009	-156.00	139.91	-.0000	.02		
4.05	-17183.72	72.99	.0008	-73.24	141.93	-.0000	.01		
6.05	-10480.42	75.02	.0007	-15.45	143.96	-.0000	.00		
8.11	-5771.90	77.05	.0005	-21.29	145.99	-.0000	.00		
10.14	-2417.35	79.08	.0004	41.48	148.02	-.0000	.00		
12.17	909.14	81.10	.0002	49.48	150.04	-.0000	.00		
14.19	14567.11	83.13	.0001	49.24	152.07	-.0000	.00		
16.22	19299.29	85.16	.0001	44.00	154.10	-.0000	.00		
18.25	23045.39	87.19	.0000	39.26	156.13	-.0000	.00		
20.24	25882.36	89.22	-.0000	27.81	158.15	.0000	.00		
22.30	27132.55	91.24	-.0000	19.82	160.18	.0000	.00		
24.35	27445.07	93.27	-.0000	12.96	162.21	.0000	.00		
26.35	26806.25	95.30	-.0000	7.50	164.24	.0000	.00		
28.39	24674.27	97.33	-.0000	3.07	166.26	.0000	.00		
30.41	21866.02	99.35	-.0000	.71	168.29	.0000	.00		
32.44	18614.85	101.38	-.0000	-.98	170.32	.0000	.00		
34.47	15190.35	103.41	-.0000	-1.86	172.35	.0000	.00		
36.50	11853.80	105.44	-.0000	-2.16	174.38	.0000	.00		
38.52	8722.25	107.46	-.0000	-2.08	176.40	.0000	.00		
40.55	6164.76	109.49	-.0000	-1.80	178.43	.0000	.00		
42.58	3816.50	111.52	-.0000	-1.42	180.46	-.0000	.00		
44.61	2034.54	113.55	.0000	-1.04	182.49	-.0000	.00		
46.64	724.16	115.57	.0000	-.70	184.51	-.0000	.00		
48.66	-178.76	117.60	.0000	-.42	186.54	-.0000	.00		
50.69	-761.82	119.63	.0000	-.21	188.57	-.0000	.00		
52.72	-1004.32	121.66	.0000	-.07	190.60	-.0000	.00		
54.75	-1208.68	123.68	.0000	.02	192.62	-.0000	.00		
56.77	-1142.12	125.71	.0000	.07	194.65	-.0000	.00		
58.80	-1083.99	127.74	.0000	.09	196.68	-.0000	.00		
60.83	-924.52	129.77	.0000	.09	198.71	-.0000	.00		
62.86	-744.56	131.80	.0000	.08	200.73	-.0000	.00		
64.88	-566.50	133.82	.0000	.06	202.76	-.0000	.00		
66.91	-404.15	135.85	-.0000	.05					

STRAN - PILE ANALYSIS

U.S. NAVY - ACMN PLATFORMS - PLATFORM NO. 2 - MHL 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)	
	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)		DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)		
0.00	1.5542	-30924.00	0.0009	-252.15	137.88	-0.0000	0.03		
2.03	1.2426	-24374.97	0.0009	-147.50	134.91	-0.0000	0.02		
4.06	1.1424	-17413.61	0.0008	-69.00	141.93	-0.0000	0.01		
6.09	1.0559	-11243.27	0.0006	-14.23	143.96	-0.0000	0.00		
8.11	0.9755	-6667.27	0.0005	20.55	145.99	-0.0000	0.00		
10.14	0.8355	1791.65	0.0003	59.62	148.02	-0.0000	0.00		
12.17	0.7221	7463.37	0.0002	47.14	150.04	-0.0000	0.00		
14.19	0.6154	15317.55	0.0001	46.85	152.07	-0.0000	0.00		
16.22	0.5095	17467.60	0.0001	41.82	154.10	-0.0000	0.00		
18.25	0.4114	21655.93	0.0000	34.44	156.13	-0.0000	0.00		
20.28	0.3217	24263.94	-0.0000	25.39	158.15	-0.0000	0.00		
22.31	0.2412	25754.71	-0.0000	18.80	160.18	-0.0000	0.00		
24.33	0.1724	26061.55	-0.0000	12.28	162.21	-0.0000	0.00		
26.36	0.1155	25284.74	-0.0000	7.09	164.24	-0.0000	0.00		
28.39	0.0701	23495.37	-0.0000	3.27	166.26	-0.0000	0.00		
30.41	0.0355	20740.42	-0.0000	0.65	168.29	-0.0000	0.00		
32.44	0.0100	17674.31	-0.0000	-1.95	170.32	-0.0000	0.00		
34.47	-0.0075	14015.77	-0.0000	-1.78	172.35	-0.0000	0.00		
36.50	-0.0180	11243.26	-0.0000	-2.06	174.38	-0.0000	0.00		
38.52	-0.0254	8315.54	-0.0000	-1.98	176.40	-0.0000	0.00		
40.55	-0.0254	5744.24	-0.0000	-1.71	178.43	-0.0000	0.00		
42.58	-0.0246	3604.31	-0.0000	-1.35	180.46	-0.0000	0.00		
44.61	-0.0222	1923.52	-0.0000	-0.99	182.49	-0.0000	0.00		
46.64	-0.0184	600.23	-0.0000	-0.66	184.51	-0.0000	0.00		
48.66	-0.0153	-174.43	-0.0000	-0.40	186.54	-0.0000	0.00		
50.69	-0.0118	-730.34	-0.0000	-0.20	188.57	-0.0000	0.00		
52.72	-0.0086	-1034.72	-0.0000	0.06	190.60	-0.0000	0.00		
54.75	-0.0050	-1151.17	-0.0000	0.02	192.62	-0.0000	0.00		
56.77	-0.0030	-1134.10	-0.0000	0.07	194.65	-0.0000	0.00		
58.80	-0.0020	-1030.39	-0.0000	0.06	196.68	-0.0000	0.00		
60.83	-0.0007	-474.21	-0.0000	0.06	198.71	-0.0000	0.00		
62.86	0.0001	704.44	-0.0000	0.07	200.73	-0.0000	0.00		
64.88	0.0006	537.25	-0.0000	0.06	202.76	-0.0000	0.00		
66.91	0.0008	-303.11	-0.0000	0.04					

U.S. NAVY - ACR PLATFMS - PLATFHM NO. 2 - MPL 93.0 FEET - 50 YR STURM

PILE LENGTH (FT)	DEFLECTION		BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION		BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION	
	NORMAL TO PILE (INCHES)	NORMAL TO PILE (INCHES)			NORMAL TO PILE (INCHES)	NORMAL TO PILE (INCHES)			NORMAL TO PILE (INCHES)	NORMAL TO PILE (INCHES)
0.00	2.7845	-56518.05	0.013	68.94	0.013	-675.59	137.88	0.000	0.000	0.07
2.03	2.6004	-45205.11	0.015	70.97	0.015	-441.26	139.91	0.000	0.000	0.05
4.06	2.4164	-33926.79	0.015	72.99	0.015	-265.72	141.93	0.000	0.000	0.03
6.09	2.2125	-22674.44	0.013	75.02	0.013	-124.34	143.96	0.000	0.000	0.02
8.11	2.0005	-11439.46	0.011	77.05	0.011	-32.10	145.99	0.000	0.000	0.01
10.14	1.7848	-553.55	0.006	79.08	0.006	29.44	148.02	0.000	0.000	0.00
12.17	1.5604	10169.61	0.006	81.10	0.006	63.61	150.04	0.000	0.000	0.00
14.19	1.3504	14801.02	0.004	83.13	0.004	77.67	152.07	0.000	0.000	0.01
16.22	1.1509	20206.63	0.002	85.16	0.002	78.06	154.10	0.000	0.000	0.01
18.25	0.9553	25145.37	0.001	87.19	0.001	70.13	156.13	0.000	0.000	0.01
20.29	0.7720	40560.50	0.000	89.22	0.000	54.01	158.15	0.000	0.000	0.00
22.30	0.6049	64245.59	0.000	91.24	0.000	40.63	160.18	0.000	0.000	0.00
24.33	0.4574	86245.38	0.000	93.27	0.000	31.92	162.21	0.000	0.000	0.00
26.36	0.3314	10581.05	0.001	95.30	0.001	20.97	164.24	0.000	0.000	0.00
28.39	0.2270	12167.70	0.001	97.33	0.001	12.23	166.26	0.000	0.000	0.00
30.41	0.1427	14152.85	0.000	99.35	0.000	5.75	168.29	0.000	0.000	0.00
32.43	0.0776	17694.48	0.000	101.38	0.000	1.52	170.32	0.000	0.000	0.00
34.47	0.0297	22200.46	0.000	103.41	0.000	-1.41	172.35	0.000	0.000	0.00
36.50	0.0036	28503.34	0.000	105.44	0.000	-2.83	174.38	0.000	0.000	0.00
38.52	0.0249	20405.44	0.000	107.46	0.000	-3.33	176.40	0.000	0.000	0.00
40.55	0.0366	13509.46	0.000	109.49	0.000	-3.23	178.43	0.000	0.000	0.00
42.58	0.0414	10450.64	0.000	111.52	0.000	-2.80	180.46	0.000	0.000	0.00
44.61	0.0412	6975.16	0.000	113.55	0.000	-2.22	182.49	0.000	0.000	0.00
46.64	0.0374	3925.16	0.000	115.57	0.000	-1.62	184.51	0.000	0.000	0.00
48.67	0.0326	1647.40	0.000	117.60	0.000	-1.09	186.54	0.000	0.000	0.00
50.69	0.0267	27.55	0.000	119.63	0.000	0.66	188.57	0.000	0.000	0.00
52.72	0.0209	-1032.67	0.000	121.66	0.000	0.34	190.60	0.000	0.000	0.00
54.75	0.0153	-1640.00	0.000	123.68	0.000	-0.11	192.62	0.000	0.000	0.00
56.77	0.0106	-1900.64	0.000	125.71	0.000	0.03	194.65	0.000	0.000	0.00
58.80	0.0064	-1913.17	0.000	127.74	0.000	0.10	196.68	0.000	0.000	0.00
60.83	0.0036	-1761.40	0.000	129.77	0.000	0.15	198.71	0.000	0.000	0.00
62.86	0.0016	-1516.21	0.000	131.80	0.000	0.13	200.73	0.000	0.000	0.00
64.88	0.0001	-1229.75	0.000	133.82	0.000	0.12	202.76	0.000	0.000	0.00
66.91	0.0000	-941.04	0.000	135.85	0.000	0.10				



STRAIN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 0 U.S. NAVY - ACM PLATEFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YK STORM

JOINT NUMBER /-----DEFLECTION IN INCHES-----/ /-----ROTATION IN RADIANS-----/ /-----REMARKS-----/

	X	Z	Y	X	Y	Z
101	3.24241	7.61371	-0.0095	-0.0057	.00209	.00209
102	3.24354	-0.20521	.00080	-0.0032	.00599	.00599
103	3.24446	.24155	.00105	-0.0021	.00682	.00682
104	2.40009	-0.07709	.00116	-0.0004	.00607	.00607
105	2.39564	.15380	.00090	-0.0016	.00519	.00519
106	1.5551	.00222	.00042	-0.0008	.00639	.00639
201	3.32345	-0.11944	.00102	-0.0039	.00195	.00195
202	3.31357	.27740	.00055	-0.0033	.00592	.00592
203	3.30995	-0.24005	.00104	-0.0037	.00687	.00687
204	2.44543	.11711	.00100	-0.0008	.00589	.00589
205	2.44231	-0.24573	.00072	-0.0029	.00481	.00481
301	1.73360	.09040	.00134	-0.0071	.00643	.00643
302	3.33771	-0.11577	.00160	-0.0018	.00174	.00174
303	3.33544	.23947	.00224	-0.0025	.00718	.00718
304	1.68234	.09440	.00211	-0.0048	.00635	.00635
401	3.27694	-0.09768	.00359	-0.0103	.00339	.00339
402	3.25307	.23580	.00214	-0.0064	.00521	.00521
501	1.73049	-0.14734	.00227	-0.0062	.00544	.00544
502	3.29104	.08437	.00249	-0.0054	.00359	.00359
503	3.28334	-0.13627	.00050	-0.0071	.00579	.00579
504	3.28769	.14865	.00145	-0.0074	.00514	.00514
505	2.44324	-0.07217	.00104	-0.0094	.00524	.00524
601	1.70640	.08503	.00104	-0.0004	.00515	.00515
602	3.23113	-0.07344	.00161	-0.0052	.00544	.00544
603	3.24374	.07125	.00249	-0.0055	.00557	.00557
604	3.33370	.16804	.00145	-0.0074	.00514	.00514
605	1.67401	.04117	.00161	-0.0052	.00545	.00545
606	3.22532	-0.09220	.00342	-0.0142	.00324	.00324
607	3.27165	.23754	.00192	-0.0042	.00522	.00522
608	3.24332	.12125	.00164	-0.0063	.00547	.00547
609	3.32345	-0.06274	.00127	-0.0004	.00419	.00419
610	3.32700	.11395	.00116	-0.0054	.00487	.00487
611	1.68344	.07777	.00135	-0.0017	.00376	.00376
612	3.24374	-0.16123	.00066	-0.0065	.00505	.00505
613	3.23224	.03224	.00114	-0.0042	.00541	.00541
614	3.21440	-0.23065	.00035	-0.0013	.00421	.00421
615	3.22114	.12769	.00064	-0.0003	.00524	.00524
616	3.24347	-0.06474	.00070	-0.0032	.00650	.00650
617	3.27947	.14477	.00167	-0.0005	.00377	.00377
618	3.23947	-0.12762	.00030	-0.0012	.00456	.00456
619	2.44331	.10032	.00122	-0.0035	.00529	.00529
620	3.23769	-0.04757	.00040	-0.0037	.00507	.00507
621	1.68104	.11114	.00194	-0.0037	.00537	.00537
622	3.23113	.00194	.00047	-0.0011	.00370	.00370
623	3.23167	-0.04524	.00020	-0.0060	.00507	.00507
624	1.68144	.03234	.00035	-0.0035	.00533	.00533
625	3.23100	.15733	.00034	-0.0034	.00315	.00315

STRAN - JOINT DEFLECTIONS AND ROTATIONS

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

REMARKS

DEFLECTION IN INCHES / ROTATION IN RADIANS

JOINT	X	Z	X	Y	Z	X	Y	Z
602	3.55301	7.00267	-0.25415	0.0444	0.0039	0.0044	0.0039	0.00509
603	3.50450	3.84183	-0.11788	-0.0043	0.0076	-0.0043	0.0076	0.00728
701	3.26744	6.00499	-0.05580	-0.0044	0.0029	-0.0044	0.0029	0.00349
702	3.25751	4.45092	-0.17245	0.0045	0.0020	0.0045	0.0020	0.00864
703	3.21445	3.74695	-0.05494	-0.0054	0.0061	-0.0054	0.0061	0.00517
704	3.24350	5.40805	-0.15556	0.0019	0.0017	0.0019	0.0017	0.00495
705	2.24400	4.27405	-0.16364	0.0041	0.0019	0.0041	0.0019	0.00545
706	1.51444	4.41354	-0.10019	-0.0005	0.0028	-0.0005	0.0028	0.00524
707	3.55200	6.07435	-0.05501	-0.0044	0.0024	-0.0044	0.0024	0.00348
708	3.26260	3.64297	-0.03594	-0.0054	0.0061	-0.0054	0.0061	0.00514
709	3.14522	4.41432	-0.12134	-0.0065	0.0029	-0.0065	0.0029	0.00524
710	3.24442	4.43494	-0.08442	0.0017	0.0020	0.0017	0.0020	0.00261
711	3.25015	3.42102	-0.26295	0.0033	0.0024	0.0033	0.0024	0.00524
712	3.23495	4.76753	-0.17413	-0.0049	0.0064	-0.0049	0.0064	0.00533
801	3.14015	5.77591	-0.07411	-0.0019	0.0015	-0.0019	0.0015	0.00278
802	3.13761	4.40442	-0.05016	-0.00175	0.0025	-0.00175	0.0025	0.00497
803	3.12145	3.03410	-0.25565	-0.0059	0.0029	-0.0059	0.0029	0.00507
804	1.44424	5.06404	-0.36594	0.0052	0.0044	0.0052	0.0044	0.00473
805	1.44403	3.72444	-0.23523	-0.0029	0.0036	-0.0029	0.0036	0.00552
806	3.0524	4.36004	-0.33101	-0.00195	0.0060	-0.00195	0.0060	0.00524
807	3.10526	5.64066	-0.07425	-0.00191	0.0015	-0.00191	0.0015	0.00279
808	3.10412	2.93499	-0.25392	-0.00259	0.0048	-0.00259	0.0048	0.00507
809	1.5535	4.36684	-0.34760	-0.00195	0.0060	-0.00195	0.0060	0.00524
810	1.70132	3.25694	-0.06520	-0.00544	0.0024	-0.00544	0.0024	0.00214
811	3.20424	2.71462	-0.26240	-0.00169	0.00160	-0.00169	0.00160	0.00492
812	4.24011	1.44491	-0.44491	-0.00211	0.0050	-0.00211	0.0050	0.00514
813	2.76101	5.15947	-0.06122	-0.00236	0.00127	-0.00236	0.00127	0.00249
814	2.82117	3.61474	0.10044	-0.00210	0.0050	-0.00210	0.0050	0.00525
815	1.44403	1.42474	4.45544	-0.00268	0.00157	-0.00268	0.00157	0.00482
816	1.44403	2.73544	-0.42387	-0.00150	0.0012	-0.00150	0.0012	0.00468
817	3.25344	3.1244	-0.17227	-0.00078	0.0065	-0.00078	0.0065	0.00554
818	3.25344	5.21991	-0.03948	-0.00268	0.00147	-0.00268	0.00147	0.00469
819	2.94267	1.43406	5.0407	-0.00269	0.00157	-0.00269	0.00157	0.00474
820	1.5170	1.66562	-0.06211	-0.00269	0.00147	-0.00269	0.00147	0.00467
821	2.72609	1.07433	-0.23001	-0.00114	0.00149	-0.00114	0.00149	0.00205
822	3.25766	1.7063	-0.17063	-0.00193	0.0024	-0.00193	0.0024	0.00444
823	2.82112	4.57032	-0.04649	-0.00212	0.0062	-0.00212	0.0062	0.00250
824	2.81724	2.41611	1.9717	-0.00266	0.0069	-0.00266	0.0069	0.00558
825	2.84460	3.0652	0.1114	-0.00214	0.00167	-0.00214	0.00167	0.00407
826	3.24522	3.24522	-0.44002	-0.00257	0.0043	-0.00257	0.0043	0.00543
827	1.26139	1.04660	0.04660	-0.00153	0.0016	-0.00153	0.0016	0.00495
828	1.55425	2.87424	-0.76460	-0.00211	0.0017	-0.00211	0.0017	0.00417
829	2.82365	4.62365	-0.05472	-0.00305	0.0062	-0.00305	0.0062	0.00244
830	2.84460	4.6744	0.6744	-0.00214	0.00167	-0.00214	0.00167	0.00402
831	2.82741	2.67745	-0.60760	-0.00304	0.00194	-0.00304	0.00194	0.00413
832	3.26260	1.0514	-0.02456	-0.0041	0.00246	-0.0041	0.00246	0.00272
833	1.64407	4.66522	0.66522	-0.00152	0.00155	-0.00152	0.00155	0.00219

OBLIQUE  
GLIPHAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

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DATE 08/27/76

LOAD CONDITION NO. 6 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YN STURM

JOINT DEFLECTION IN INCHES / ROTATION IN RADIANS / REMARKS

JOINT NUMBER	A	Z	Y	A	Y	Z	UPLIQUE
1011	.10269	-2.40904	.25213	.00587	.00051	.00378	UPLIQUE
1011	2.14275	1.29751	-1.16757	-0.00283	.00515	.00361	GLOBAL
1012	.12440	2.44345	-0.32442	-0.00620	.00058	.00372	UPLIQUE
1012	.12440	2.51335	.09000	-0.00620	-0.00004	.00376	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7 U.S. NAVY - ACN PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YK STORM

JOINT NUMBER / DEFLECTION IN INCHES / ROTATION IN RADIANS / REMARKS

JOINT NUMBER	X	Y	Z	X	Y	Z	REMARKS
101	18008	8.20110	-1.1266	.00104	-.00019	-.00198	
102	10440	7.92035	-.26473	.00089	.00011	.00183	
103	11078	7.65849	-.16773	.00117	.00018	.00389	
104	10708	8.06106	-.09781	.00126	-.00025	.00232	
105	10714	7.77786	-.10732	.00093	.00025	.00123	
106	10204	7.91607	.10740	.00094	-.00064	.00130	
201	10663	8.40350	-.19125	.00120	.00002	.00213	
202	11151	8.11759	-.27746	.00094	.00010	.00174	
203	10034	7.86015	-.10522	.00145	.00002	.00394	
204	10453	8.20006	-.14114	.00105	-.00030	.00210	
205	10451	7.99191	-.16103	.00073	.00015	.00075	
206	10275	8.10552	.10490	.00147	-.00034	.00129	
301	10624	8.39959	-.10171	-.00265	-.00003	-.00204	
303	10563	7.89379	-.16592	.00235	.00022	.00446	
304	10349	8.12944	.11440	-.00271	-.00054	.00102	
401	10646	8.37779	-.18212	-.00365	.00049	-.00035	
403	10450	8.02729	-.16374	-.00352	-.00046	.00177	
406	10379	8.07405	.14645	-.00247	.00002	.00056	
501	11401	8.14502	-.15563	-.00284	.00020	-.00021	
502	11721	8.00107	-.15110	-.00061	.00004	.00093	
503	11754	8.46259	-.13900	-.00224	-.00019	.00161	
504	10546	8.05009	-.09057	.00143	.00133	.00067	
505	10604	8.95425	-.08020	-.00146	-.00094	.00023	
506	10417	8.96331	.09596	.00191	.00016	.00056	
507	11200	8.20230	-.12643	-.00264	.00020	-.00021	
508	10753	8.33403	.11619	-.00224	-.00019	.00161	
509	10314	8.97134	.05054	-.00191	.00016	.00056	
510	10073	8.10514	-.17829	-.00367	.00083	-.00042	
511	10301	8.43322	-.16307	-.00333	-.00063	.00162	
512	10401	8.95009	.14834	-.00194	.00001	.00054	
513	11715	8.20023	-.08062	-.00204	-.00080	.00030	
514	10130	8.08973	-.08973	-.00132	.00052	.00109	
601	10605	8.03429	-.12404	-.00173	-.00003	-.00005	
603	10452	8.72801	-.11644	-.00115	.00003	.00144	
606	10274	8.65204	.04103	-.00137	.00030	.00055	
611	10461	8.05572	-.05954	-.00063	-.00016	-.00092	
612	10009	7.51471	-.25200	.00579	.00003	.00074	
613	10144	8.72446	-.07336	-.00025	.00013	.00232	
601	11067	8.93505	-.09724	-.00112	-.00014	-.00001	
602	10497	8.12493	-.12715	-.00137	.00013	.00014	
603	10743	8.65534	-.09719	-.00057	.00014	.00140	
604	10420	8.94905	-.03400	.00029	.00064	.00072	
605	10600	8.33104	-.09267	-.00004	-.00100	.00060	
606	10991	8.77134	.00771	-.00106	.00035	.00052	
607	11044	8.06574	-.07146	-.00089	-.00015	-.00004	
608	10507	8.60777	-.07922	-.00044	.00017	.00144	
609	10347	8.70359	-.05150	-.00099	.00032	.00044	
601	10470	8.40450	-.03416	-.00065	-.00020	-.00154	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

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DATE 04/27/76

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

LOAD CONDITION NO. 7

REMARKS

DEFLECTION IN INCHES / ROTATION IN RADIANS

JOINT NUMBER	X	Y	Z	X	Y	Z	X	Y	Z
602	20005	6.12200	-.23205	-.00467	-.00002	-.00063			
603	21530	5.60952	-.07300	-.00021	-.00019	-.00297			
701	16707	5.79455	-.04110	-.00086	-.00014	-.00017			
702	16101	5.60006	-.16564	-.00059	-.00005	-.00050			
703	13518	5.54863	-.05689	-.00060	-.00018	-.00160			
704	05572	5.71414	-.17301	-.00025	-.00007	-.00021			
705	04378	5.56671	-.15990	-.00056	-.00019	-.00095			
706	10670	5.62679	-.10935	-.00102	-.00018	-.00041			
707	16474	5.79415	-.02792	-.00088	-.00014	-.00018			
708	15137	5.51807	-.04599	-.00060	-.00018	-.00158			
709	03701	5.52999	-.13563	-.00102	-.00017	-.00043			
710	02723	4.95152	-.16468	-.00410	-.00165	-.00078			
711	05107	4.71421	-.18405	-.00364	-.00150	-.00213			
712	02350	5.57304	-.20493	-.00114	-.00001	-.00042			
701	20254	5.31945	-.08581	-.00220	-.00002	-.00072			
702	17407	5.12501	-.02152	-.00190	-.00005	-.00065			
703	14504	4.96329	-.11404	-.00259	-.00007	-.00189			
704	04908	5.19105	-.27240	-.00048	-.00002	-.00011			
705	03313	5.03946	-.29411	-.00064	-.00019	-.00091			
706	04703	5.08450	-.01727	-.00240	-.00020	-.00049			
707	19159	5.31354	-.10942	-.00221	-.00022	-.00069			
708	16750	4.93451	-.15002	-.00259	-.00007	-.00188			
709	03245	5.09700	-.47454	-.00240	-.00029	-.00046			
710	17301	3.58755	-.16446	-.00426	-.00114	-.00103			
711	07404	3.00509	-.76484	-.00404	-.00059	-.00212			
712	00906	4.96274	-.25525	-.00260	-.00005	-.00044			
721	13177	4.41003	-.23797	-.00302	-.00007	-.00068			
702	13318	4.19054	-.15427	-.00244	-.00001	-.00086			
703	17419	3.44201	-.28083	-.00300	-.00024	-.00184			
704	01054	4.20606	-.33094	-.00151	-.00036	-.00002			
705	00131	4.94379	-.51637	-.00126	-.00025	-.00081			
706	00447	4.16009	-.71134	-.00314	-.00010	-.00029			
707	12170	4.41322	-.27451	-.00303	-.00008	-.00067			
708	14921	3.86776	-.30081	-.00300	-.00026	-.00162			
709	01090	4.19752	-.40101	-.00319	-.00010	-.00030			
710	10307	2.22455	-.16328	-.00359	-.00062	-.00081			
711	114174	2.06274	-.14720	-.00316	-.00049	-.00187			
712	00169	4.05801	-.19096	-.00250	-.00004	-.00030			
1001	02300	3.36003	-.34430	-.00315	-.00043	-.00044			
1002	13614	3.23747	-.50540	-.00336	-.00004	-.00064			
1003	007718	2.46024	-.36159	-.00240	-.00045	-.00133			
1004	00905	3.52751	-.35075	-.00244	-.00103	-.00065			
1005	011604	3.13660	-.17795	-.00207	-.00055	-.00025			
1006	10054	3.07927	-.42059	-.00345	-.00073	-.00040			
1007	02901	3.38094	-.39821	-.00315	-.00043	-.00046			
1008	00674	2.75911	-.40011	-.00240	-.00045	-.00134			
1009	01600	3.08144	-.16045	-.00345	-.00073	-.00039			
1010	00601	1.40030	-.13502	-.00347	-.00229	-.00006			
1011	10053	1.06583	-.09715	-.00307	-.00223	-.00043			

UHLIQUE  
GLUMAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM #01, 2 - MML 93.0 FEET - 50 YH STURM

JOINT /-----DEFLECTION IN INCHES-----/ /-----ROTATION IN RADIANS-----/ /-----REMARKS-----/

NUMBER A Z X Y Z

JOINT NUMBER	A	Z	X	Y	Z	REMARKS
1011	.57579	-1.46275	.14826	.00184	.00102	UMLIQUE
1011	1.09159	1.06131	-.09437	.00326	.00131	GLUBAL
1012	-.00010	2.86911	-.37729	.00000	.00027	UMLIQUE
1012	-.00010	2.89210	.09952	-.00004	.00026	GLUBAL

STRAIN - JOINT DEFLECTIONS AND ROTATIONS

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DATE 08/27/76

U.S. NAVY - ACR PLATEFORMS - PLATFORM NII, 2 - NAL 93.0 FEET - 50 YR STURM

LOAD CONDITION NO. 8

REMARKS

JOINT NUMBER	X	Y	Z	X	Y	Z
101	-3.10440	-7.33369	-0.5429	-0.0101	0.0035	-0.0045
102	-3.10225	-6.69506	-0.5150	-0.0117	0.0029	-0.0040
103	-3.10490	-6.05632	-0.6584	-0.0106	0.0028	-0.0080
104	-2.55059	-7.01685	-0.2823	-0.0090	0.0025	-0.0394
105	-2.54965	-6.37765	-0.15559	-0.0065	0.0051	-0.0317
106	-1.49670	-6.69974	-0.24391	-0.0077	0.0067	-0.0515
107	-3.11107	-7.51110	-0.35680	-0.0105	0.0020	-0.0032
108	-3.10215	-6.47430	-0.09571	-0.0112	0.0027	-0.0397
109	-3.10200	-6.25334	-0.6727	-0.0125	0.0052	-0.0464
110	-2.65519	-7.17862	-0.24545	-0.0067	0.0009	-0.0377
111	-2.65425	-6.56766	-0.21009	-0.0064	0.0029	-0.0275
112	-2.13790	-6.46844	-0.24204	-0.0104	0.0060	-0.0521
113	-3.11476	-7.53559	-0.1714	-0.0171	0.0014	-0.0004
114	-3.23167	-6.24323	-0.7626	-0.0255	0.0033	-0.0516
115	-2.20115	-6.69504	-0.24044	-0.0226	0.0018	-0.0505
116	-3.13904	-5.99476	-0.3382	-0.0351	0.0099	-0.0214
117	-4.07266	-4.94285	-0.94225	-0.0238	-0.0054	-0.0367
118	-5.16329	-5.16329	-2.4344	-0.0223	-0.0067	-0.0426
119	-3.10702	-5.45059	-0.4367	-0.0246	-0.0055	-0.0234
120	-3.11179	-5.09572	-0.5021	-0.0044	0.0065	-0.0441
121	-4.35505	-0.5550	-0.5550	-0.0162	-0.0065	-0.0380
122	-5.44547	-0.10044	-0.10044	-0.0090	-0.0110	-0.0385
123	-1.73402	-0.4651	-0.4651	-0.0160	0.0094	-0.0376
124	-5.07795	-2.0054	-0.20054	-0.0177	-0.0071	-0.0423
125	-5.90443	-0.6154	-0.6154	-0.0246	-0.0054	-0.0380
126	-4.26837	-0.2333	-0.2333	-0.0162	-0.0065	-0.0380
127	-5.06564	-0.15637	-0.15637	-0.0177	-0.0071	-0.0423
128	-5.81425	-0.5974	-0.5974	-0.0379	-0.0134	-0.0205
129	-4.31424	-0.9854	-0.9854	-0.0217	-0.0030	-0.0390
130	-5.07264	-0.24175	-0.24175	-0.0177	-0.0042	-0.0426
131	-5.43703	-0.7503	-0.7503	-0.0155	-0.0016	-0.0294
132	-3.22447	-0.5322	-0.5322	-0.0132	-0.0163	-0.0349
133	-5.74137	-0.5755	-0.5755	-0.0137	-0.0015	-0.0252
134	-4.21415	-0.1635	-0.1635	-0.0061	-0.0061	-0.0373
135	-4.97406	-0.15308	-0.15308	-0.0127	-0.0055	-0.0414
136	-5.74302	-0.14342	-0.14342	-0.0054	-0.0017	-0.0292
137	-6.24014	-0.23201	-0.23201	-0.0523	-0.0044	-0.0387
138	-4.21505	-0.6004	-0.6004	-0.0045	0.0005	-0.0537
139	-5.69480	-0.6846	-0.6846	-0.0075	-0.0003	-0.0254
140	-5.16827	-0.2594	-0.2594	-0.0168	-0.0005	-0.0328
141	-4.13491	-0.1875	-0.1875	-0.0043	-0.0059	-0.0373
142	-5.44500	-0.16134	-0.16134	-0.0006	-0.0064	-0.0405
143	-2.45544	-0.6977	-0.6977	-0.0034	-0.0042	-0.0380
144	-4.69484	-0.1944	-0.1944	-0.0100	-0.0046	-0.0415
145	-5.67421	-0.7689	-0.7689	-0.0052	-0.0012	-0.0249
146	-3.11410	-4.06936	-0.06936	-0.0041	-0.0054	-0.0374
147	-1.71419	-4.06435	-0.6420	-0.0090	-0.0040	-0.0411
148	-3.64774	-5.67405	-0.13404	-0.0117	-0.0067	-0.0162

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 8 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - HWL 93.0 FEET - 50 YK STURM

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
602	-5.31240	-6.96203	-2.5205	-0.00415	-0.00319	-0.00377	
603	-3.52436	-4.07093	-1.96953	-0.00226	-0.00449	-0.00617	
701	-5.11726	-5.66539	-0.0436	-0.0050	-0.0027	-0.00229	
702	-4.80020	-4.80020	-0.17409	-0.00021	-0.0018	-0.00358	
703	-3.04115	-3.04115	-0.09377	-0.00062	-0.00057	-0.00391	
704	-2.50487	-5.21451	-0.17429	-0.00025	-0.00049	-0.00368	
705	-2.55519	-4.55519	-0.16851	-0.00001	-0.00044	-0.00418	
706	-1.55700	-4.76419	-0.2194	-0.0043	-0.0034	-0.00408	
707	-3.14571	-5.71522	-0.08467	-0.00050	-0.00027	-0.00229	
708	-3.00699	-3.40543	-0.11305	-0.0003	-0.00057	-0.00387	
709	-1.55572	-4.76427	-0.0015	-0.0043	-0.0034	-0.00408	
710	-2.44545	-4.57631	-0.04761	-0.00465	-0.00266	-0.01148	
711	-3.21438	-3.54944	-1.5742	-0.0168	-0.0010	-0.00403	
712	-1.40445	-4.72372	-0.27634	-0.0192	-0.0194	-0.00419	
801	-2.44253	-5.56507	-0.07080	-0.0195	-0.0118	-0.00165	
802	-2.42047	-4.33523	-0.36929	-0.0094	-0.0027	-0.00366	
803	-2.44035	-3.30082	-0.35894	-0.0236	-0.0096	-0.00390	
804	-2.07410	-4.42610	-0.0836	-0.0100	-0.0165	-0.00349	
805	-2.07003	-3.42412	-0.10109	-0.0077	-0.0030	-0.00423	
806	-1.627103	-4.31150	-2.2334	-0.0203	-0.0076	-0.00413	
807	-2.49008	-5.40751	-0.0945	-0.0196	-0.0119	-0.00167	
808	-2.45715	-3.23844	-0.0255	-0.0236	-0.0096	-0.00390	
809	-1.81704	-4.31878	-2.7168	-0.0203	-0.0077	-0.00409	
810	-1.62411	-5.06400	-0.3962	-0.0504	-0.0248	-0.0011	
811	-3.07694	-2.43695	-1.7045	-0.0204	-0.0141	-0.00361	
812	-4.3302	-4.22913	-2.7819	-0.0214	-0.0093	-0.00408	
901	-2.55240	-4.59301	-0.9217	-0.0234	-0.0150	-0.00148	
902	-2.450725	-3.54972	-0.45050	-0.0168	-0.0051	-0.00390	
903	-2.53740	-2.26005	-5.9494	-0.0264	-0.0151	-0.00377	
904	-1.60161	-4.11949	-1.0322	-0.0156	-0.0148	-0.00341	
905	-1.54106	-2.96200	-1.4422	-0.0106	-0.0029	-0.00424	
906	-1.70633	-3.56165	-1.1977	-0.0274	-0.0143	-0.00365	
907	-2.55523	-4.73311	-0.9315	-0.0234	-0.0150	-0.00148	
908	-2.04904	-2.19623	-0.68025	-0.0274	-0.0143	-0.00373	
909	-2.1677	-3.57672	-5.5062	-0.0034	-0.00143	-0.00363	
910	-1.75717	-1.57345	-0.2710	-0.0034	-0.00143	-0.00112	
911	-2.03622	-2.03790	-1.0102	-0.0145	-0.00129	-0.00354	
912	-4.0747	-3.06513	-2.3742	-0.0197	-0.0086	-0.00151	
1001	-2.25100	-4.04407	-1.0585	-0.0218	-0.0087	-0.00159	
1002	-2.25250	-2.74301	-3.2608	-0.0279	-0.0084	-0.00419	
1003	-2.14003	-1.35004	-7.6317	-0.0220	-0.0190	-0.00315	
1004	-1.12107	-3.34575	-2.9312	-0.0230	-0.0210	-0.00411	
1005	-1.11201	-2.07302	-0.14290	-0.0156	-0.00120	-0.00360	
1006	-1.20010	-2.60010	-0.2571	-0.0294	-0.0164	-0.00322	
1007	-2.27354	-4.08069	-1.1373	-0.0017	-0.0007	-0.00154	
1008	-2.17002	-1.29000	-0.4937	-0.0220	-0.0190	-0.00312	
1009	-0.9375	-2.02202	-7.6414	-0.0220	-0.0105	-0.00319	
1010	-4.7504	-0.5372	-0.3520	-0.0026	-0.0026	-0.00168	
1011	-0.1003	-0.00075	-0.02905	-0.00200	-0.00132	-0.00137	UNLTD/E GLUSAL



STRAN - JOINT DEFLECTIONS AND MUTATIONS

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LOAD CONDITION NO. 3 U.S. NAVY - ACMA PLATFORM - PLATFORM NO. 2 - HML 9340 FEET - 50 YN STUMM

DEFLECTION IN INCHES / MUTATION IN RADIANS / REMARKS

POINT	A	X	Y	Z	U	V	W	REMARKS
1011	-0.13947	2.35290	0.31850	0.00580	0.00664	0.00289	0.00290	UNL TONE
1011	-1.45597	0.30678	0.07202	0.00505	0.00894	0.00296	0.00296	GLURAL
1012	-0.14579	2.04125	0.20309	0.00510	0.00070	0.00283	0.00283	UNL TONE
1012	-0.14579	2.04101	0.14109	0.00510	0.00022	0.00290	0.00290	GLURAL

STRAIN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 9 U.S. NAVY - ACME PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YK STORM

JOINT NUMBER	X	Y	Z	X	Y	Z	REMARKS
101	0.0000	-7.75317	.03448	-.00111	-.00005	.00196	
102	0.0000	-7.67508	-.05175	-.00126	-.00013	-.00053	
103	0.0270	-7.59319	-.00713	-.00117	-.00012	-.00235	
104	0.1937	-7.71570	-.20427	-.00100	-.00016	-.00098	
105	0.1030	-7.65806	-.20546	-.00069	-.00010	-.00019	
106	0.2250	-7.67443	-.20671	-.00079	-.00052	-.00013	
201	0.0000	-7.65127	.03597	-.00121	-.00020	-.00205	
202	0.0000	-7.60223	-.04507	-.00121	-.00016	-.00044	
203	0.11205	-7.61249	-.00570	-.00140	-.00010	-.00242	
204	0.14547	-7.49297	-.21463	-.00071	-.00051	-.00079	
205	0.10714	-7.44300	-.25764	-.00070	-.00016	-.00022	
206	0.15404	-7.45491	-.26468	-.00118	-.00015	-.00015	
301	0.11500	-7.46515	-.03923	-.00226	-.00009	-.00227	
302	0.11047	-7.44314	-.00295	-.00219	-.00014	-.00268	
303	0.12496	-7.49545	-.26439	-.00251	-.00045	-.00043	
401	0.02497	-7.49596	-.05404	-.00362	-.00041	-.00106	
402	0.15809	-7.40264	-.02751	-.00324	-.00062	-.00061	
403	0.12772	-7.49733	-.26494	-.00246	-.00002	-.00036	
501	0.03069	-5.91455	-.02603	-.00267	-.00015	-.00093	
502	0.00000	-5.89001	-.00007	-.00007	-.00018	-.00005	
503	0.12500	-5.92445	-.00367	-.00263	-.00033	-.00066	
504	0.03240	-5.84597	-.06129	-.00133	-.00141	-.00028	
505	0.04067	-5.91534	-.12092	-.00151	-.00105	-.00072	
506	0.10144	-5.86172	-.22002	-.00194	-.00015	-.00035	
507	0.01700	-5.91013	-.00230	-.00267	-.00015	-.00094	
508	0.11441	-5.92044	-.02323	-.00223	-.00033	-.00067	
509	0.10359	-5.87014	-.17409	-.00194	-.00015	-.00035	
510	0.02667	-5.84090	-.05318	-.00364	-.00072	-.00113	
511	0.11163	-5.84471	-.02316	-.00350	-.00097	-.00068	
512	0.10427	-5.95509	-.26414	-.00194	-.00004	-.00037	
513	0.06117	-5.890216	-.04903	-.00196	-.00098	-.00034	
514	0.12015	-5.92117	-.05490	-.00133	-.00054	-.00031	
601	0.05000	-5.75402	-.00000	-.00164	-.00010	-.00079	
602	0.10703	-5.84555	-.02625	-.00117	-.00004	-.00051	
603	0.04423	-5.74947	-.16745	-.00134	-.00029	-.00035	
611	0.10193	-5.76024	-.12522	-.00093	-.00004	-.00164	
612	0.05371	-7.23375	-.21420	-.00553	-.00005	-.00016	
613	0.05349	-5.600723	-.10400	-.00039	-.00019	-.00160	
641	0.05342	-5.65512	-.03402	-.00110	-.00019	-.00076	
642	0.10554	-6.03048	-.04294	-.00127	-.00021	-.00073	
643	0.10444	-5.74009	-.04572	-.00062	-.00009	-.00049	
644	0.12431	-5.77437	-.12494	-.00023	-.00067	-.00013	
645	0.13915	-5.83923	-.08409	-.00013	-.00103	-.00011	
646	0.06921	-5.86761	-.11453	-.00104	-.00035	-.00037	
651	0.04573	-5.57452	-.06357	-.00090	-.00014	-.00074	
652	0.07773	-5.89772	-.06000	-.00051	-.00011	-.00055	
653	0.04933	-5.54958	-.07403	-.00099	-.00033	-.00040	
654	0.10161	-5.55015	-.12543	-.00115	-.00004	-.00257	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 9

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

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
602	.00687	-7.49123	-.21921	-.00429	.00005	.00029	
603	.07215	-5.44935	-.10412	.00079	.00013	-.00224	
701	.04569	-5.44714	-.04552	.00085	.00014	.00093	
702	.07517	-5.55482	-.17078	.00009	.00001	.00039	
703	.11257	-5.64451	-.08411	.00084	-.00012	-.00072	
704	.01503	-5.51094	-.15296	.00015	-.00056	.00066	
705	.02353	-5.57487	-.16437	.00005	.00043	-.00007	
706	.03176	-5.52114	-.02100	.00106	-.00021	.00045	
707	.03694	-5.48152	-.10453	.00085	.00014	.00093	
708	.10195	-5.63212	-.09625	.00064	-.00012	-.00071	
709	.04309	-5.52404	-.00412	.00106	-.00021	.00045	
710	.06034	-4.71607	.07410	.00363	-.00147	.00104	
711	-.35248	-4.79424	.06505	.00581	.00154	.00127	
712	-.07754	-5.47243	-.31269	.00116	-.00013	.00083	
801	.03085	-4.90634	-.22948	.00221	-.00003	.00145	
802	.03523	-5.01959	-.37114	.00107	-.00006	.00023	
803	.11743	-5.09633	-.26249	.00254	-.00003	.00104	
804	.00944	-4.98274	-.12766	.00084	-.00069	.00076	
805	.02151	-5.05064	-.10121	.00107	.00066	.00003	
806	-.10182	-4.98276	.27867	.00244	-.00035	.00032	
807	.00840	-4.98547	-.25466	.00221	-.00003	.00141	
808	.10785	-5.06207	-.29303	.00254	-.00003	.00106	
809	-.10434	-4.94142	.55674	.00244	.00035	.00034	
810	.09046	-3.61356	.09104	.00347	-.00043	.00169	
811	.02555	-5.45523	.07105	.00426	.00076	.00136	
812	.07251	-4.86532	-.31343	.00259	-.00014	.00029	
901	.12370	-4.04465	-.39009	.00249	-.00008	.00134	
902	.10781	-4.08689	-.48164	.00204	-.00001	.00005	
903	.09684	-4.06912	-.40234	.00295	-.00016	.00012	
904	.01675	-4.02755	.00449	.00152	-.00071	.00084	
905	.02454	-4.12544	-.00394	.00151	.00065	.00014	
906	-.21344	-4.07226	.57434	.00523	-.00004	.00044	
907	.13344	-4.05404	-.42650	.00249	.00008	.00133	
908	.08104	-4.05935	-.43991	.00324	-.00016	.00109	
909	.02253	-4.04980	.65829	.00124	-.00004	.00042	
910	.13505	-2.81253	.08236	.00526	-.00057	.00141	
911	.05424	-2.09072	.05069	.00341	.00067	.00120	
912	.04044	-3.05976	-.26058	.00234	-.00016	.00034	
1001	.00347	-2.97433	-.50080	.00324	.00040	.00106	
1002	.11045	-3.14220	-.46124	.00344	-.00002	.00030	
1003	.10915	-3.19930	-.49914	.00241	.00039	.00070	
1004	.01354	-3.07615	.20431	.00250	-.00044	.00005	
1005	.02122	-5.81692	.04019	.00206	.00066	.00070	
1006	.06310	-2.07950	.77434	.00353	-.00066	.00025	
1007	.03274	-2.67674	-.54401	.00324	.00039	.00107	
1008	.18074	-5.19120	-.55557	.00241	-.00030	.00072	
1009	-.09164	-2.06149	.85530	.00241	-.00064	.00064	
1010	.04734	1.41263	-.20143	.00377	.00174	.00025	
1011	1.03724	-1.05713	.03371	.00344	.00257	.00044	

UMLIQUE  
GLUSAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

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DATE 08/27/76

LOAD CONDITION NO. 9 U.S. NAVY - ACR PLATFORMS - PLATFORM NO. 2 - MVL 93.0 FEET - 50 YR STORM

JOINT /-----DEFLECTION IN INCHES-----/ /-----ROTATION IN RADIANS-----/ /---REMARKS---/  
 MEMBER A Z X Y Z

MEMBER	A	Z	X	Y	Z	UPLIQUE	GLOBAL
1011	-.41010	1.52107	-.00340	-.00202	-.00041	UPLIQUE	GLOBAL
1011	-.42274	-1.02275	.00347	-.00199	-.00073	UPLIQUE	GLOBAL
1012	-.01341	-2.74003	.00506	-.00006	.00035	UPLIQUE	GLOBAL
1012	-.01341	-2.40697	.00501	-.00012	.00033	UPLIQUE	GLOBAL

STRAN - REACTION FORCES AND MOMENTS

PAGE 1  
DATE 08/27/76

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

POINT NUMBER	FORCE IN KIIPS			MOMENT IN KIIPS			REMARKS
	Fx	Fy	Fz	Mx	My	Mz	
1010	14.2720	24.4274	173.0624	1654.4136	13509.1337	-3020.3709	UPLIQUE
1010	-12.9404	-14.7544	174.2059	11145.3685	-4340.5975	-757.1427	GLUMAL
1011	-1.1228	434.1074	-1776.4111	51421.4074	-2673.0106	-4186.5492	UMLIQUE
1011	-623.5744	-361.0000	-1641.3026	-27210.4409	45059.5759	-4579.0662	GLUMAL
1012	-2.1700	-415.0434	2240.3604	-52276.4129	-2563.3294	-4129.7836	UMLIQUE
1012	-2.1700	-785.2720	2147.0192	-52276.4128	-1649.5207	-4495.0022	GLUMAL
TOTAL	-030.0713	-1141.0344	640.5224	-65343.4912	35069.4577	-9831.2112	

STRAN - REACTION FORCES AND MOMENTS

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DATE 06/27/76

LOAD CONDITION NO. 7 U.S. NAVY - ACR PLATFURMS - PLATFURN NU. 2 - MWL 93.0 FEET - 50 YR STURM

JOINT / FORCE IN KIPS / MOMENT IN IN-KIPS / MARKS /

JOINT	Fx	Fy	Fz	Mx	My	Mz	MARKS
1010	14.2465	240.4375	-951.5556	32044.4642	8544.9095	61.5492	UMLIQUE
1011	375.1549	-220.3124	-891.4790	-8740.4343	-32010.4504	1466.2044	GLUMAL
1012	-14.9765	293.7005	-1044.0472	34044.4334	-9010.2449	-1130.3542	UMLIQUE
1013	-394.4726	-234.9016	-982.5043	-9471.2545	35034.0669	-2603.9476	GLUMAL
1014	.1109	-460.4691	2058.4916	-59644.4900	-50.0560	-295.3496	UMLIQUE
1015	.1109	-601.3395	2547.1125	-59644.4900	18.1190	-296.4037	GLU3AL
TOTAL	-14.1404	-1554.5534	673.5242	-77665.1914	1646.0274	-1434.1069	

STRAIN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 0 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YR STURM

LOAD	FORCE IN KIIPS	F=Z	F=Y	M=Z	M=Y	MARKS
1010	-17,0744	269,0820	250,0022	-12945,9495	2063,0488	UMLIQUE
1010	-35,9634	245,0034	-11159,1572	6100,1100	-31,4089	GLURAL
1011	1,0217	2204,9040	-51260,9517	3070,3700	3207,0196	UMLIQUE
1011	053,0077	2106,0625	23449,0903	-45051,3142	3668,3756	GLURAL
1012	5,2253	-1059,7717	50161,0003	3259,1052	3139,7341	UMLIQUE
1012	5,0253	-1764,1044	50161,0002	2690,5925	3632,0082	GLURAL
TOTAL	050,7246	040,9615	02452,5334	-30012,0107	7269,7749	

STRAN - REACTION FORCES AND MOMENTS

PAGE 4  
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LOAD CONDITION NO. 9 U.S. NAVY - ACRB PLATFORMS - PLATFORM HU, 2 - NWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS		MOMENT IN IN-KIPS		REMARKS	
	Fx	Fy	Mx	My		
1010	-10.1516	-268.6526	-30912.4909	-8715.7297	-705.8213	UNLIQUE
1010	-428.7140	257.9039	8101.0249	31014.0621	-2129.8388	GLUMAL
1011	11.4204	-263.5023	-31351.3240	9193.0352	433.4543	UNLIQUE
1011	-20.1103	257.8672	7877.2542	-31650.3564	1959.4202	GLUMAL
1012	.5241	440.7751	56521.1877	248.6335	-385.2077	UNLIQUE
1012	.5240	633.3376	56521.1877	308.5764	-339.0915	GLUMAL
TOTAL	-6.0706	1349.1027	72500.0008	-327.7159	-509.5100	



STRAN MEMBER DETAIL REPORT

U.S. NAVY - ACW PLATFURMS - PLATFURM NO. 2 - MWL 93.0 FEET - 50 YN STURM

LOAD CONDITION NO. 6

MEMBER NUMBER	GROUP AND SECTN	LOAD COND	FORCE MY	MOMENT IN-KIPS	MOMENT FT-KIPS	SHEAR FY	TORSION MX	AXIAL STRESS	BENDING Y	Z	SHEAR STRESS	CUMULATIVE CHECK
101	102	100	-3.05	370.95	08.64	.72	0.01	-0.19	0.16	8.27	0.08	1.08
		5.6	-3.05	106.41	57.37	.72	0.01	-0.19	1.19	5.35	0.08	.232
		7.3	-3.05	25.11	7.2	.72	0.01	-0.19	0.93	2.44	0.08	.122
		10.9	-3.05	-197.94	-5.15	.72	0.01	-0.19	-2.22	-0.48	0.08	.095
		14.5	-3.05	-237.77	-56.82	.72	0.01	-0.19	-2.67	-3.40	0.08	.211
101	104	100	-1.31	363.51	67.34	.70	0.01	-0.08	0.08	8.15	0.08	1.04
		5.6	-1.31	107.44	57.02	.70	0.01	-0.08	1.23	5.32	0.08	.227
		7.2	-1.31	24.71	26.70	.70	0.01	-0.08	0.78	2.49	0.08	.115
		10.9	-1.31	-174.06	-3.62	.70	0.01	-0.08	-1.95	-0.34	0.08	.077
		14.5	-1.31	-203.58	-53.94	.70	0.01	-0.08	-2.28	-3.17	0.08	.186
101	201	100	-14.64	522.74	3.10	2.20	175.97	-0.20	-1.00	0.22	0.22	.039
		5.6	-14.64	415.22	3.10	2.20	175.97	-0.22	-0.73	0.22	0.22	.031
		7.5	-20.97	273.00	3.10	2.20	175.97	-0.23	-0.47	0.22	0.22	.023
		11.3	-22.13	150.09	3.10	2.20	175.97	-0.24	-0.21	0.22	0.22	.016
		15.0	-23.29	01.11	3.10	2.20	175.97	-0.26	-0.13	0.22	0.22	.013
102	103	100	-2.49	238.57	-24.42	.57	0.02	-0.15	-2.68	-2.48	0.04	.176
		5.6	-2.49	139.05	-10.54	.57	0.02	-0.15	-2.12	-0.94	0.04	.106
		7.3	-2.49	64.84	5.55	.57	0.02	-0.15	-0.73	0.52	0.04	.047
		10.9	-2.49	134.89	21.53	.57	0.02	-0.15	1.51	2.02	0.04	.125
		14.5	-2.49	008.40	37.72	.57	0.02	-0.15	4.59	3.52	0.04	.274
102	104	100	-0.11	0.70	-7.68	.09	0.00	-0.02	0.04	-1.37	0.02	0.09
		5.6	-0.11	-7.73	-1.70	.09	0.00	-0.02	-0.32	-0.64	0.02	0.05
		7.2	-0.09	0.20	0.01	.09	0.00	-0.02	-0.43	0.05	0.02	0.04
		10.9	-0.11	-7.24	4.22	.09	0.00	-0.02	-0.35	0.75	0.02	0.04
		14.5	-0.11	-1.00	8.18	.09	0.00	-0.02	-0.09	1.44	0.02	0.09
102	105	100	-1.09	0.82	-2.13	.00	0.00	-0.15	0.04	-0.38	0.00	0.02
		5.6	-1.09	-3.09	-2.27	.00	0.00	-0.15	-0.19	-0.41	0.00	0.03
		7.2	-1.09	-4.81	-2.41	.00	0.00	-0.15	-0.23	-0.43	0.00	0.01
		10.9	-1.09	-1.96	-2.55	.00	0.00	-0.15	-0.09	-0.46	0.00	0.02
		14.5	-1.09	4.84	-2.69	.00	0.00	-0.15	0.22	-0.44	0.00	0.03
103	105	100	-4.14	471.75	-27.00	.19	0.00	-0.26	5.29	-2.52	0.02	1.16
		5.6	-4.14	143.80	-14.94	.19	0.00	-0.26	2.06	-1.77	0.02	.89
		7.2	-4.14	-24.51	-10.48	.19	0.00	-0.26	-0.33	-1.01	0.02	.63
		10.9	-4.14	-167.59	-2.42	.19	0.00	-0.26	-1.48	-0.26	0.02	.36
		14.5	-4.14	-231.03	5.24	.19	0.00	-0.26	-2.59	0.49	0.02	.110
103	203	100	-19.65	406.51	-644.48	4.40	64.71	-0.22	-1.19	0.18	0.18	0.46
		5.6	-20.61	-226.44	-447.06	4.40	64.71	-0.23	-0.74	0.18	0.18	.033
		7.5	-21.97	-244.37	-289.25	4.40	64.71	-0.24	-0.40	0.18	0.18	.021
		11.3	-23.14	137.70	-51.43	4.40	64.71	-0.25	-0.23	0.18	0.18	.016
		15.0	-24.30	314.77	144.38	4.40	64.71	-0.27	-0.55	0.18	0.18	.027

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6 U.S. NAVY - ACRM PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YK STURM

MEMBER NUMBER	GROUP AND SECT	Y	Z	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FORCE FY	SHEAR FORCE FZ	TORSION MX	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	CUMB. STRESS
100-105	100-1	0.0	0.0	1.20	1.01	-3.19	-0.1	-0.21	0.1	0.17	0.09	-0.57	0.00	0.11	0.029
5.0	1.20	-5.50	-2.93	-0.1	-0.1	-0.12	0.1	0.17	0.26	0.52	0.00	0.07	0.00	0.033	
7.5	1.20	-9.02	-2.87	-0.1	-0.1	-0.04	0.1	0.17	0.43	0.48	0.00	0.02	0.00	0.036	
10.9	1.20	-6.76	-2.41	-0.1	-0.1	0.05	0.1	0.17	0.42	0.43	0.00	0.03	0.00	0.034	
14.5	1.20	-4.72	-2.15	-0.1	-0.1	0.14	0.1	0.17	0.23	0.38	0.00	0.07	0.00	0.029	
100-106	100-1	0.0	0.0	-2.05	-205.43	-22.57	-0.28	-0.50	0.1	-0.13	-2.31	-2.11	0.03	0.09	0.152
5.0	1.20	-143.59	-10.21	-0.1	-0.1	2.28	0.1	0.13	-1.61	0.95	0.03	0.35	0.00	0.089	
7.5	1.20	-6.01	2.14	-0.1	-0.1	4.00	0.1	0.13	0.08	0.20	0.03	0.62	0.00	0.15	
10.9	1.20	204.09	14.50	-0.1	-0.1	5.73	0.1	0.13	2.30	1.35	0.03	0.89	0.00	0.125	
14.5	1.20	497.64	25.88	-0.1	-0.1	12.45	0.1	0.13	5.58	2.51	0.03	1.93	0.00	0.269	
100-106	100-1	0.0	0.0	-5.28	-226.53	3.9	-0.09	-0.27	0.1	-0.33	-2.54	0.04	0.01	0.04	0.096
5.0	1.20	-200.45	4.22	-0.1	-0.1	1.48	0.1	-0.33	-2.25	0.39	0.01	0.23	0.00	0.099	
7.5	1.20	-99.64	8.04	-0.1	-0.1	3.18	0.1	-0.33	-1.12	0.75	0.01	0.49	0.00	0.075	
10.9	1.20	76.09	11.87	-0.1	-0.1	4.90	0.1	-0.33	0.85	1.11	0.01	0.76	0.00	0.079	
14.5	1.20	526.75	15.69	-0.1	-0.1	6.62	0.1	-0.33	3.67	1.46	0.01	1.03	0.00	0.191	
100-200	00L-1	0.0	0.0	-14.48	714.00	-85.49	-3.80	-15.08	0.4	1.56	6.44	8.72	0.09	1.55	0.562
5.0	1.20	-14.02	35.82	-0.1	-0.1	85.71	0.4	-15.08	-0.15	0.37	0.09	1.17	0.00	0.318	
7.5	1.20	-17.18	256.91	-0.1	-0.1	256.91	0.4	-15.08	-1.08	0.37	0.09	2.48	0.00	0.170	
11.5	1.20	-14.35	-1321.13	-0.1	-0.1	428.11	0.4	-15.08	-2.17	0.37	0.09	0.63	0.00	0.164	
15.0	1.20	-19.51	-1999.51	-0.1	-0.1	599.31	0.4	-15.08	-3.27	0.37	0.09	-3.75	0.00	0.293	
200-202	00L-1	0.0	0.0	25.32	573.51	93.44	0.77	-10.01	0.4	1.56	6.44	8.72	0.09	1.55	0.562
5.0	1.20	25.32	60.03	0.1	0.1	7.52	0.4	-10.01	0.04	1.56	2.16	5.60	0.09	1.17	0.318
7.5	1.20	25.32	26.61	0.1	0.1	5.04	0.4	-10.01	0.04	1.56	-0.91	2.48	0.09	0.170	
10.9	1.20	25.32	-6.81	0.1	0.1	2.56	0.4	-10.01	0.04	1.56	-2.76	0.63	0.09	0.164	
14.5	1.20	25.32	-40.22	0.1	0.1	0.07	0.4	-10.01	0.04	1.56	-3.40	-3.75	0.09	0.293	
200-204	00L-1	0.0	0.0	-52.03	640.68	92.68	0.76	-10.43	0.2	-3.21	7.19	8.64	0.09	1.62	0.664
5.0	1.20	-52.03	59.52	0.1	0.1	7.95	0.2	-10.43	0.02	-3.21	2.70	5.55	0.09	1.23	0.414
7.5	1.20	-52.03	26.34	0.1	0.1	5.47	0.2	-10.43	0.02	-3.21	-0.57	2.46	0.09	0.85	0.239
10.9	1.20	-52.03	-6.75	0.1	0.1	2.99	0.2	-10.43	0.02	-3.21	-2.63	0.63	0.09	0.46	0.240
14.5	1.20	-52.03	-59.89	0.1	0.1	0.51	0.2	-10.43	0.02	-3.21	-3.49	-3.72	0.09	0.375	
300-301	00L-1	0.0	0.0	-28.87	1331.74	10.91	10.91	53.39	230.19	0.65	-2.19	8.64	1.36	1.38	0.093
5.0	1.20	-28.87	440.78	10.91	10.91	53.39	230.19	53.39	230.19	0.65	-3.37	8.64	1.36	1.38	0.130
7.5	1.20	-61.20	349.41	10.91	10.91	53.39	230.19	53.39	230.19	0.67	-6.86	8.64	1.38	1.38	0.242
11.5	1.20	-62.36	-158.14	12.15	12.15	51.23	230.19	51.23	230.19	0.68	-10.57	8.64	1.34	1.34	0.359
15.0	1.20	-62.96	-497.61	15.23	15.23	45.90	230.19	45.90	230.19	0.69	-14.05	8.64	1.24	1.24	0.470
300-303	120-1	0.0	0.0	-6.62	443.21	-14.77	-3.84	-4.60	14.91	-0.02	-5.80	0.04	0.52	0.52	0.145
5.0	1.20	-6.62	235.56	-3.84	-3.84	-3.91	14.91	-3.91	14.91	-0.03	-2.96	0.04	0.48	0.48	0.095
10.5	1.20	-14.34	611.88	-3.84	-3.84	-3.21	14.91	-3.21	14.91	-0.05	-8.63	0.04	0.45	0.45	0.276
24.5	1.20	-16.69	482.28	6.30	6.30	6.30	14.91	6.30	14.91	-0.06	-6.67	0.04	0.84	0.84	0.214
52.5	1.20	-16.94	-1143.63	17.64	17.64	17.64	14.91	17.64	14.91	-0.07	-14.50	0.04	0.25	0.25	0.549

STRAN MEMBER DETAIL REPORT

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DATE 08/27/76

LOAD CONDITION NO. 1 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - HML 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	FORCE FY KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FZ KIPS	TORSION MA IN-KIPS	AXIAL STRESS / KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR STRESS Y KSI	SHEAR STRESS Z KSI	COMB. UNIT / CHECK
202	203 +10- 1	0.0	25.97	-305.75	-29.84	-.42	-.27	1.60	-3.43	-2.78	.05	.04	.261
		3.6	25.97	-239.80	-11.74	-.42	2.76	1.60	-2.69	-1.10	.05	.43	.179
		7.3	25.97	-15.84	4.35	-.42	5.24	1.60	-.74	.59	.05	.81	.100
		10.9	25.97	216.13	24.45	-.42	7.72	1.60	2.43	2.28	.05	1.20	.212
		14.5	25.97	506.12	42.54	-.42	10.21	1.60	6.80	3.97	.05	1.59	.409
202	204 +00- 1	0.0	-.08	-2.42	-8.57	-.10	-.18	-.01	-.12	-1.53	.02	.09	.058
		3.6	-.08	-8.23	-4.34	-.10	-.09	-.01	-.40	-.77	.02	.05	.040
		7.2	-.08	-10.27	-.11	-.10	-.00	-.01	-.49	-.02	.02	.00	.017
		10.9	-.08	-8.52	4.12	-.10	-.08	-.01	-.41	.74	.02	.04	.039
		14.5	-.08	-2.49	8.55	-.10	-.17	-.01	-.14	1.40	.02	.09	.057
202	205 +00- 1	0.0	-1.22	2.51	-1.82	.02	-.17	-.00	.12	-.32	.00	.09	.020
		3.6	-1.22	-2.99	-2.60	.02	-.08	-.00	-.14	-.46	.00	.04	.032
		7.2	-1.22	-4.70	-3.38	.02	-.00	-.00	-.23	-.60	.00	.00	.039
		10.9	-1.22	-2.64	-0.16	.02	.09	-.00	-.17	-.13	.00	.05	.041
		14.5	-1.22	3.21	-4.94	.02	-.18	-.00	-.17	.15	.00	.09	.047
203	205 +21- 1	0.0	39.61	1665.33	-53.45	-.34	-26.15	1.84	11.05	-3.17	.03	2.70	.524
		3.6	39.61	641.00	-32.86	-.34	-20.07	1.84	4.39	-2.30	.03	2.08	.283
		7.2	39.61	-79.76	-24.27	-.34	-14.01	1.84	-.53	-1.43	.03	1.45	.131
		10.9	39.61	-526.94	-9.48	-.34	-7.94	1.84	-3.70	-.56	.03	.82	.201
		14.5	39.61	-770.54	5.31	-.34	-1.86	1.84	5.11	.31	.03	.20	.237
203	303 000- 1	0.0	-6.29	-1135.97	-1116.24	-14.05	70.20	-386.45	-.07	-2.49	1.88	1.88	.081
		3.6	-7.45	-2023.01	-454.24	-14.05	70.20	-386.45	-.08	-3.24	1.88	1.88	.106
		7.5	-8.61	5141.72	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	1356.44	-9.95	62.00	-386.45	-.11	-17.61	1.68	1.68	.541
203	306 120- 1	0.0	-129.10	-76.43	-273.53	-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	-129.42	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
		52.6	-130.44	327.07	180.02	-1.15	-1.70	-38.30	-4.61	-4.66	.38	.38	.395
204	205 +00- 1	0.0	1.32	2.08	-1.40	.02	-.21	.01	.19	.14	.00	.11	.020
		3.6	1.32	-4.40	-2.34	.02	-.12	.01	.19	-.21	.01	.07	.028
		7.3	1.32	-7.40	-3.27	.02	-.04	.01	.19	-.38	.01	.02	.039
		10.9	1.32	-7.60	-4.21	.02	.05	.01	.19	-.37	.01	.03	.044
		14.5	1.32	-3.53	-5.14	.02	.14	.01	.19	-.17	.01	.07	.044
204	206 +10- 1	0.0	-52.79	-313.07	-30.15	-.39	-.13	-.02	-3.26	-2.81	.05	.02	.346
		3.6	-52.79	-265.08	-13.25	-.39	2.36	-.02	-3.26	-2.97	.05	.37	.274
		7.3	-52.79	-108.45	3.64	-.39	4.84	-.02	-3.26	-1.22	.05	.75	.197
		10.9	-52.79	156.24	20.52	-.39	7.33	-.02	-3.26	1.75	.05	1.14	.259
		14.5	-52.79	535.11	37.41	-.39	14.81	-.02	-3.26	6.00	.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	AVG. 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	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS	UNIT CHECK
205	200	21	1	34.31	-747.17	-4.77	-0.27	-1.57	-0.01	1.78	-5.09	-0.24	0.02	0.16	0.233	
			3.5	34.31	-703.59	7.15	-0.27	4.50	-0.01	1.78	-0.67	0.42	0.02	0.09	0.224	
			7.5	34.31	-575.72	19.08	-0.27	10.56	-0.01	1.78	-2.49	1.12	0.02	1.07	0.180	
			10.9	34.31	-215.85	51.00	-0.27	16.63	-0.01	1.78	1.43	1.82	0.02	1.72	0.171	
			14.5	34.31	1071.52	42.92	-0.27	22.70	-0.01	1.78	7.11	2.52	0.02	2.35	0.375	
205	301	120	1	120.54	307.54	247.69	2.02	-3.24	10.37	4.26	4.93	0.37	0.37	0.304		
			5.2	112.98	14.24	-24.81	2.02	-2.54	10.37	4.24	4.43	0.34	0.34	0.161		
			10.5	110.52	-200.88	-304.90	2.02	-1.90	10.37	4.23	4.55	0.31	0.31	0.291		
			24.5	110.20	-520.04	-540.63	0.52	0.65	10.37	4.22	7.89	0.12	0.12	0.597		
			52.5	115.98	174.81	282.13	-17.52	10.06	10.37	4.21	4.17	1.49	1.49	0.279		
205	306	01L	1	0.0	-115.23	420.17	5.21	62.27	92.35	-1.26	-1.36	1.44	1.44	0.089		
			5.5	-116.39	2921.82	505.55	5.21	62.27	92.35	-1.28	-4.05	1.44	1.44	0.174		
			7.5	-117.55	5324.17	350.92	5.21	62.27	92.35	-1.29	-4.35	1.44	1.44	0.311		
			11.3	-114.71	4126.52	114.30	5.21	62.27	92.35	-1.30	-12.71	1.44	1.44	0.450		
			15.0	-119.31	16926.27	-114.67	5.54	61.99	92.35	-1.31	-17.10	1.44	1.44	0.588		
301	303	123	1	0.0	-47.65	177.42	-14.40	-2.59	10.70	-2.56	-9.98	1.61	1.61	0.429		
			7.3	-49.15	-1.51	374.91	-6.59	-1.49	10.70	-2.54	-6.61	0.80	0.80	0.323		
			14.5	-49.45	-77.00	611.09	1.15	0.21	10.70	-2.56	-10.46	0.22	0.22	0.457		
			21.7	-49.85	-33.24	175.53	0.65	1.25	10.70	-2.56	-3.15	1.02	1.02	0.213		
			24.0	-49.45	143.42	927.08	19.49	2.89	10.70	-2.54	-14.55	1.43	1.43	0.637		
301	306	123	1	0.0	-41.94	-556.53	-13.80	1.08	-2.60	-4.78	-10.92	1.46	1.46	0.537		
			7.2	-42.01	-233.56	352.43	-6.10	1.98	-2.60	-4.78	-7.45	0.69	0.69	0.434		
			14.5	-42.03	-14.84	561.74	1.39	2.66	-2.60	-4.78	-9.91	0.34	0.34	0.507		
			21.7	-42.03	233.81	123.44	0.57	3.12	-2.60	-4.78	-4.46	0.97	0.97	0.351		
			24.0	-42.03	510.65	-864.14	14.37	3.18	-2.60	-4.78	-14.04	1.55	1.55	0.750		
301	401	01L	1	0.0	-134.76	9023.74	-19.44	-27.77	-1058.41	-1.53	-14.17	1.58	1.58	0.507		
			7.1	-134.75	4147.41	613.52	-13.03	-39.72	-1058.41	-1.53	-9.66	1.75	1.75	0.364		
			14.2	-134.72	2145.86	1406.63	-5.40	-52.92	-1058.41	-1.53	-4.08	2.00	2.00	0.188		
			21.6	-130.64	-2845.73	1544.59	1.40	-65.55	-1058.41	-1.53	-5.12	2.27	2.27	0.221		
			24.5	-139.88	-4445.07	1129.00	7.65	-75.74	-1058.41	-1.53	-14.10	2.50	2.50	0.595		
303	306	123	1	0.0	60.53	-555.37	-1.48	0.16	-3.09	4.19	4.01	0.18	0.18	0.399		
			7.2	60.53	-270.74	-153.97	-1.48	1.73	-3.09	4.19	5.49	0.26	0.26	0.319		
			14.5	60.53	-64.33	-24.94	-1.48	2.95	-3.09	4.19	1.22	0.37	0.37	0.144		
			21.7	60.53	224.88	104.09	-1.48	3.73	-3.09	4.19	4.45	0.44	0.44	0.286		
			24.0	60.53	566.85	235.12	-1.48	3.91	-3.09	4.19	10.40	0.46	0.46	0.448		
303	403	01L	1	0.0	-29.28	10942.03	427.59	-44.38	1240.24	-0.33	-17.19	2.09	2.09	0.557		
			7.1	-29.23	6361.82	1120.40	-4.81	-60.10	1240.24	-0.33	-10.10	2.32	2.32	0.332		
			14.2	-29.40	653.27	1165.41	3.07	-73.34	1240.24	-0.32	-2.12	2.61	2.61	0.319		
			21.4	-28.48	-6155.21	615.00	10.11	-85.61	1240.24	-0.32	-9.68	2.49	2.49	0.319		
			24.5	-29.55	-13413.54	-502.10	15.74	-94.41	1240.24	-0.32	-21.78	3.12	3.12	0.702		

STRAN MEMBER DETAIL REPORT

U.S. NAVY - ACMP PLATFORMS - PLATFORM NO. 2 - MAX 93.0 FEET - 50 YR STORM

MEMBER GROUP AND SECTN	MEMBER NO	FROM	TO	FORCE	MOMENT	MOMENT	SHEAR FORCE	TORSION	AXIAL STRESS	HENDING STRESS	Y	Z	SHEAR STRESS	SHEAR STRESS	COMB. STRESS	UNITY CHECK
		PT.		KIPS	IN-KIPS	IN-KIPS	KIPS	IN-KIPS	/	/						
300- 406	01-1	0.0	1.0	100.43	12120.50	119.04	-12.44	-57.48	567.85	-2.03	-18.96		1.74	1.74		.677
		7.1	14.2	100.40	6437.27	961.07	-7.20	-66.54	567.85	-2.03	-10.80		1.91	1.91		.419
		14.2	21.3	100.40	655.49	1294.28	-5.32	-78.49	567.85	-2.03	-2.27		2.17	2.17		.149
		21.3	28.5	100.40	4545.92	1009.68	6.78	-40.78	567.85	-2.03	-10.44		2.44	2.44		.408
		28.5		100.40	1009.68	167.67	12.72	-101.01	567.85	-2.03	-23.17		2.68	2.68		.811
401- 501	01-1	0.0	1.0	41.45	2025.84	2189.91	-54.91	30.40	3.80	-0.29	-13.86		0.86	0.86		.449
		1.0	2.3	41.45	2043.54	2270.23	-57.84	30.64	3.80	-0.30	-14.37		0.91	0.91		.465
		2.3	3.4	41.45	2061.50	2354.54	-60.31	30.87	3.80	-0.30	-14.90		0.95	0.95		.482
		3.4	4.6	41.45	2079.00	2439.07	-62.31	31.10	3.80	-0.30	-15.46		0.98	0.98		.500
		4.6		41.45	2096.50	2527.03	-63.48	31.33	3.80	-0.31	-16.05		1.02	1.02		.518
401- 510	01-1	0.0	1.0	1757.48	3469.71	-12174.65	-19.09	23.75	557.61	-0.41	-5.92		0.41	0.41		.202
		1.0	2.3	1757.48	3794.99	-11913.89	-19.09	23.88	557.61	-0.41	-5.85		0.41	0.41		.200
		2.3	3.4	1757.48	4121.44	-11633.15	-19.09	24.00	557.61	-0.42	-5.78		0.41	0.41		.198
		3.4	4.6	1757.48	4450.58	-11392.40	-19.09	24.12	557.61	-0.42	-5.72		0.41	0.41		.196
		4.6		1757.48	4780.69	-11151.66	-19.09	24.25	557.61	-0.42	-5.67		0.41	0.41		.194
403- 503	01-1	0.0	1.0	1757.48	2135.41	-11434.59	-1.42	27.92	-479.83	-12.30	-7.31		2.20	2.20		.659
		1.0	2.3	1757.48	4086.91	-11974.81	-1.42	28.04	-479.83	-12.30	-7.95		2.24	2.24		.680
		2.3	3.4	1757.48	6064.27	-12530.89	-1.42	28.17	-479.83	-12.30	-8.75		2.27	2.27		.705
		3.4	4.6	1757.48	8041.81	-13100.45	-1.42	28.29	-479.83	-12.30	-9.67		2.31	2.31		.734
		4.6		1757.48	10123.85	-13685.52	-1.42	28.41	-479.83	-12.31	-10.69		2.34	2.34		.767
403- 511	01-1	0.0	1.0	1857.84	7576.87	-1634.14	-1.42	27.92	-410.72	8.40	3.63		0.35	0.35		.407
		1.0	2.3	1857.84	7454.87	-1614.85	-1.42	28.04	-410.72	8.39	3.80		0.35	0.35		.412
		2.3	3.4	1857.84	7342.75	-1594.52	-1.42	28.17	-410.72	8.39	3.97		0.35	0.35		.418
		3.4	4.6	1857.84	7230.31	-1580.19	-1.42	28.29	-410.72	8.39	4.15		0.35	0.35		.423
		4.6		1857.84	7115.55	-1568.46	-1.42	28.41	-410.72	8.38	4.33		0.35	0.35		.429
406- 506	01-1	0.0	1.0	2005.75	4189.80	-1583.77	12.83	-95.24	84.18	14.03	4.01		1.37	1.37		.615
		1.0	2.3	2005.75	7509.00	-1769.28	14.28	-97.53	84.18	14.03	4.85		1.41	1.41		.642
		2.3	3.4	2005.75	10859.17	-1974.39	15.89	-99.76	84.18	14.03	5.70		1.44	1.44		.669
		3.4	4.6	2005.75	14239.57	-2199.70	17.04	-101.95	84.18	14.02	6.58		1.47	1.47		.696
		4.6		2005.75	17644.52	-2441.81	18.44	-104.08	84.18	14.02	7.48		1.51	1.51		.725
406- 512	01-1	0.0	1.0	2205.92	10649.84	374.57	2.19	22.83	290.13	-9.97	-5.09		0.28	0.28		.508
		1.0	2.3	2205.92	10558.47	348.72	2.19	22.96	290.13	-9.97	-4.94		0.28	0.28		.503
		2.3	3.4	2205.92	10242.82	314.86	2.19	23.08	290.13	-9.97	-4.79		0.28	0.28		.499
		3.4	4.6	2205.92	9928.80	285.01	2.19	23.20	290.13	-9.94	-4.64		0.28	0.28		.494
		4.6		2205.92	9618.12	255.16	2.19	23.32	290.13	-9.94	-4.50		0.28	0.28		.490
501- 502	105-1	0.0	3.4	52.24	451.00	683.95	3.25	-3.46	-227.25	-1.73	-8.88		1.33	1.33		.347
		3.4	7.6	52.24	301.82	683.74	5.92	-3.10	-227.25	-1.73	-6.70		1.44	1.44		.274
		7.6	11.4	52.24	164.07	382.24	7.74	-2.74	-227.25	-1.73	-3.74		1.56	1.56		.185
		11.4	15.1	52.24	53.20	23.54	10.06	-2.36	-227.25	-1.73	-1.52		1.70	1.70		.083
		15.1		52.24	45.37	532.61	12.54	-1.98	-227.25	-1.73	-0.79		1.85	1.85		.214

STRAN MEMBER DETAIL REPORT

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LOAD CONDITION NO. 5 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YR STORM

MEMBER GROUP AND SECTN	DISI FROM END	FORCE FX	MOMENT MY	TORSION MZ	SHEAR FORCE		AXIAL STRESS		BENDING STRESS		SHEAR STRESS		CONR. UNIT / CHECK	
					KIPS	KIPS	KIPS	KIPS	KSI	KSI	KSI	KSI		
501- 504 165- 1	0.0	-270.20	847.66	3.71	2.64	-163.54	-8.95	-10.10	1.03	1.03	1.03	1.03	.631	
	3.8	-270.14	815.56	5.98	2.98	-163.54	-8.95	-7.87	1.18	1.18	1.18	1.18	.563	
	7.6	-270.19	472.48	3.03	3.31	-163.54	-8.95	-5.03	1.32	1.32	1.32	1.32	.482	
	11.4	-270.14	-315.10	10.53	3.61	-163.54	-8.95	-3.03	1.47	1.47	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	1.62	1.62	.511
	19.0	-270.20	847.66	3.71	2.64	-163.54	-8.95	-10.10	1.03	1.03	1.03	1.03	1.03	.631
501- 601 JLS- 1	0.0	-220.80	3684.69	22472.88	-1.04	301.10	-1.54	-14.43	2.04	2.04	2.04	2.04	.511	
	1.5	-221.44	3672.64	20169.98	-1.80	301.10	-1.55	-12.88	1.99	1.99	1.99	1.99	.462	
	3.0	-222.07	3650.79	17724.68	-1.50	301.10	-1.55	-11.37	1.95	1.95	1.95	1.95	.414	
	4.6	-222.71	3654.25	15341.15	-1.21	301.10	-1.56	-9.91	1.90	1.90	1.90	1.90	.368	
	6.1	-223.34	3653.04	13011.60	-1.04	301.10	-1.56	-8.49	1.86	1.86	1.86	1.86	.324	
	7.6	-224.00	3649.90	10454.48	-1.04	301.10	-1.54	-7.75	1.83	1.83	1.83	1.83	.287	
502- 503 165- 1	0.0	-30.64	28.47	-3.00	-3.10	108.37	-1.02	-1.50	.81	.81	.81	.81	.496	
	3.8	-30.64	-103.72	-43.72	-1.54	108.37	-1.02	-1.01	.69	.69	.69	.69	.471	
	7.6	-30.64	-216.17	-24.77	.70	108.37	-1.02	-1.97	.65	.65	.65	.65	.401	
	11.4	-30.64	-314.89	-107.59	2.93	108.37	-1.02	-2.98	.72	.72	.72	.72	.333	
	15.2	-30.64	-393.69	-290.70	5.13	108.37	-1.02	-4.38	.84	.84	.84	.84	.277	
	19.0	-30.64	-449.90	-515.09	7.50	108.37	-1.02	-6.10	.96	.96	.96	.96	.230	
502- 505 125- 1	0.0	-24.95	114.47	-143.96	-1.23	.61	101.33	.33	3.24	1.04	1.04	1.04	.114	
	3.8	-24.94	80.78	-87.88	-1.23	.87	101.33	.33	2.10	1.05	1.05	1.05	.078	
	7.6	-24.94	-36.07	-31.51	-1.23	1.10	101.33	.33	.85	1.07	1.07	1.07	.038	
	11.4	-24.94	18.79	24.27	-1.23	1.31	101.33	.33	.54	1.08	1.08	1.08	.029	
	15.2	-24.94	82.94	80.34	-1.23	1.51	101.33	.33	2.04	1.10	1.10	1.10	.076	
	19.0	-24.95	-142.59	-223.55	-4.49	.51	-55.39	-1.40	-5.09	.96	.96	.96	.215	
503- 505 JLS- 1	0.0	181.77	-403.14	203.11	2.21	3.94	6.02	8.29	.40	.40	.40	.40	.472	
	3.8	181.77	-715.23	102.72	2.21	4.33	6.02	6.47	.43	.43	.43	.43	.414	
	7.6	181.77	-510.02	2.53	2.21	4.70	6.02	4.57	.45	.45	.45	.45	.354	
	11.4	181.77	-287.93	-94.05	2.21	5.07	6.02	2.72	.47	.47	.47	.47	.296	
	15.2	181.77	-89.40	-194.44	2.21	5.42	6.02	1.83	.49	.49	.49	.49	.268	
	19.0	181.77	495.73	-12490.84	-44.02	59.74	-9.73	-9.66	1.50	1.50	1.50	1.50	.644	

STIRAN MEMBER DETAIL REPORT

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DATE 08/27/76

LOAD CONDITION NO. 6 U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - MAX 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	TORSION MZ IN-KIPS	SHEAR FORCE		TORSION		AXIAL STRESS		BENDING STRESS		SHEAR STRESS		COMB. STRESS	
						FX KIPS	FY KIPS	MZ IN-KIPS	MX IN-KIPS	MY IN-KIPS	MIN	MAX	MIN	MAX	MIN	MAX	MIN
503	605 200-1	0.0	-558.51	-1497.84	-141.95	-1.22	11.06	-16.13	-14.68	-8.42	.63	.63	.791				
		5.1	-558.49	-844.36	-75.04	-.98	9.15	-16.13	-14.68	-8.97	.53	.53	.693				
		10.1	-558.16	-345.65	-22.93	-.74	7.24	-16.13	-14.68	-2.16	.43	.43	.612				
		15.2	-558.01	2.33	14.84	-.50	5.49	-16.13	-14.68	-.08	.34	.34	.553				
		20.2	-558.18	253.21	37.60	-.28	3.78	-16.13	-14.68	-1.60	.24	.24	.596				
504	505 100-1	0.0	19.43	150.01	-87.83	-3.35	-.80	-24.75	1.01	3.17	.62	.62	.136				
		5.0	19.03	122.00	22.01	-1.53	-.67	-24.75	1.01	2.19	.44	.44	.106				
		7.5	19.43	50.34	50.34	-.28	-.47	-24.75	1.01	1.92	.32	.32	.096				
		11.0	19.43	74.77	-3.86	2.10	-.26	-24.75	1.01	1.41	.48	.48	.080				
		15.1	19.43	73.01	-140.58	3.42	-.04	-24.75	1.01	2.79	.67	.67	.124				
504	506 100-1	0.0	-207.86	-243.10	-404.85	-6.70	6.26	109.59	-9.30	-4.45	1.20	1.20	.492				
		3.0	-207.96	-47.01	-141.00	-6.43	6.53	109.59	-9.30	-1.33	1.10	1.10	.393				
		7.0	-207.85	350.03	48.94	-4.14	6.78	109.59	-9.30	-3.26	1.02	1.02	.446				
		11.0	-207.84	603.24	234.74	-1.44	7.01	109.59	-9.30	-6.31	.97	.97	.531				
		15.1	-207.83	446.53	274.01	-.29	7.22	109.59	-9.30	-9.17	.97	.97	.614				
505	506 100-1	0.0	152.77	-159.00	-404.41	-4.47	6.87	-53.99	5.06	3.92	.80	.80	.300				
		3.0	152.77	140.64	-182.50	-4.47	7.20	-53.99	5.06	2.18	.82	.82	.245				
		7.0	152.77	495.05	43.40	-4.47	7.50	-53.99	5.06	4.45	.84	.84	.317				
		11.0	152.77	641.75	264.31	-4.47	7.76	-53.99	5.06	7.91	.85	.85	.427				
		15.1	152.77	1144.35	445.22	-4.47	7.96	-53.99	5.06	11.42	.86	.86	.544				
506	606 200-1	0.0	175.97	-4242.91	-2057.63	-17.01	53.82	374.50	12.42	5.34	.91	.91	.601				
		1.5	175.33	-7286.44	-1763.61	-15.24	51.05	374.50	12.42	4.71	.86	.86	.581				
		3.0	1774.69	-6379.81	-1501.34	-13.52	44.36	374.50	12.42	4.12	.82	.82	.562				
		4.0	1774.05	-5521.24	-1264.85	-11.86	45.77	374.50	12.41	3.56	.78	.78	.545				
		6.1	1773.42	-4704.36	-1064.18	-10.26	43.26	374.50	12.41	3.03	.74	.74	.528				
506	604 200-1	0.0	340.37	1036.37	1554.40	16.47	-7.88	152.49	10.26	10.46	1.41	1.41	.688				
		5.1	340.40	612.66	641.40	13.15	-6.20	152.49	10.26	4.96	1.19	1.19	.514				
		10.1	340.41	273.86	-46.32	4.53	-4.84	152.49	10.26	1.55	.99	.99	.406				
		15.2	340.42	18.41	-519.84	6.04	-3.53	152.49	10.26	2.91	.80	.80	.449				
		20.2	340.40	-155.70	-789.61	2.82	-2.22	152.49	10.26	4.50	.62	.62	.500				
510	710 10-1	0.0	-43.44	4639.76	-11103.05	-14.23	-14.39	1252.33	-4.42	-5.67	.51	.51	.195				
		2.5	-47.43	3741.51	-9441.71	-14.23	-13.71	1252.33	-4.42	-4.84	.51	.51	.170				
		12.7	-102.02	2765.06	-6179.47	-14.23	-13.03	1252.33	-4.46	-4.04	.50	.50	.145				
		14.0	-105.11	1600.40	-6717.24	-14.23	-12.35	1252.33	-4.46	-3.25	.50	.50	.121				
		25.3	-110.14	447.54	-5255.00	-14.23	-11.67	1252.33	-4.50	-2.49	.50	.50	.097				
511	711 10-1	0.0	145.65	4105.16	-1414.47	.84	-44.19	-305.03	-8.34	4.33	.51	.51	.424				
		5.0	145.56	5406.09	-1405.16	.84	-47.51	-305.03	-8.34	2.68	.50	.50	.378				
		12.7	144.47	1474.44	-1751.46	.84	-44.43	-305.03	-8.34	1.20	.49	.49	.326				
		14.0	144.38	-1694.41	-1414.55	.84	-46.15	-305.03	-8.33	1.15	.49	.49	.326				
		25.4	143.40	-5114.02	-1405.24	.84	-45.47	-305.03	-8.31	2.56	.48	.48	.370				

STRAN MEMBER DETAIL REPORT

LOAD CURVATURE NO. 6 U.S. NAVY - ACMB PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YR STURM

MEMBER NO.	GROUP	SECT.	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 Y	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. UNITY CHECK
602	712	210-1	0.0	-2200.02	2500.38		2.19	43.17	457.71	-9.98	-4.50	.50	.50	.490
			0.5	-2212.11	85.17		2.19	43.85	457.71	-10.00	-2.95	.50	.50	.448
			12.7	-2218.20	-74.05		2.19	44.53	457.71	-10.02	-1.58	.51	.51	.405
			19.0	-2220.24	471.11		2.19	45.21	457.71	-10.03	-1.25	.52	.52	.375
			25.3	-2221.35	-410.67		2.19	45.89	457.71	-10.05	-1.85	.52	.52	.419
601	601	JL0-1	0.0	-235.05	1026.02		103.94	-9.62	1083.96	-1.64	-8.17	1.80	1.80	.316
			1.5	-235.69	3253.44		101.01	-9.55	1083.96	-1.65	-7.02	1.76	1.76	.260
			3.0	-235.33	865.52		98.15	-9.08	1083.96	-1.65	-5.90	1.72	1.72	.245
			4.6	-235.96	2922.12		95.37	-8.81	1083.96	-1.66	-4.82	1.68	1.68	.211
			6.1	-237.60	2753.75		92.07	-8.55	1083.96	-1.66	-3.80	1.64	1.64	.179
603	603	JL0-1	0.0	-1400.00	1854.01		-62.66	-50.05	-429.19	-9.79	-5.06	1.26	1.26	.501
			1.5	-1400.69	3953.71		-61.41	-47.62	-429.19	-9.80	-4.16	1.22	1.22	.473
			3.0	-1401.33	3116.47		-60.18	-45.24	-429.19	-9.80	-3.28	1.19	1.19	.445
			4.6	-1401.76	2311.90		-58.99	-42.94	-429.19	-9.81	-2.43	1.16	1.16	.418
			6.1	-1402.69	1549.77		-57.65	-40.71	-429.19	-9.81	-1.61	1.12	1.12	.392
604	606	JL0-1	0.0	1773.55	-1069.61		-10.26	37.51	376.04	12.41	3.03	.66	.66	.528
			1.5	1772.92	-897.08		-8.64	35.07	376.04	12.40	2.60	.62	.62	.514
			3.0	1772.29	-328.74		-7.17	32.64	376.04	12.40	2.21	.59	.59	.501
			4.6	1771.65	-2653.21		-5.64	30.36	376.04	12.39	1.84	.55	.55	.490
			6.1	1771.02	-2319.22		-4.28	28.15	376.04	12.39	1.50	.52	.52	.479
601	651	JL0-1	0.0	-237.60	2753.75		92.07	-8.55	1083.96	-1.66	-3.80	1.64	1.64	.179
			1.5	-237.23	2611.59		88.73	-8.13	1083.96	-1.67	-2.86	1.59	1.59	.149
			3.0	-234.80	2467.09		84.90	-7.71	1083.96	-1.67	-2.05	1.53	1.53	.124
			4.6	-239.89	2330.18		81.18	-7.30	1083.96	-1.68	-1.52	1.48	1.48	.107
			6.1	-246.12	2200.72		77.56	-6.89	1083.96	-1.68	-1.08	1.43	1.43	.106
602	703	210-1	0.0	264.82	-313.26		-6.65	-1.59	-206.03	6.96	4.04	.67	.67	.370
			5.5	264.80	-341.43		3.43	.71	-206.03	6.96	3.58	.79	.79	.356
			11.0	264.88	-222.66		6.20	2.87	-206.03	6.96	1.47	1.03	1.03	.284
			16.4	264.92	33.79		12.19	4.90	-206.03	6.96	2.98	1.27	1.27	.337
			21.9	264.96	419.14		15.92	6.78	-206.03	6.96	6.49	1.49	1.49	.511
603	653	JL0-1	0.0	-1402.59	1549.77		-57.65	-40.71	-429.19	-9.81	-1.61	1.12	1.12	.392
			1.5	-1403.23	694.10		-56.30	-37.63	-429.19	-9.82	-1.42	1.08	1.08	.368
			3.0	-1403.97	174.81		-54.80	-34.64	-429.19	-9.82	-1.11	1.04	1.04	.348
			4.6	-1404.51	-430.64		-53.35	-31.73	-429.19	-9.83	-0.69	1.00	1.00	.364
			6.1	-1405.14	1466.50		-51.95	-28.92	-429.19	-9.83	-1.38	.97	.97	.386
604	701	210-1	0.0	390.06	-155.62		-2.74	-2.34	152.21	10.26	4.50	.62	.62	.500
			5.5	390.50	-288.65		-2.23	-1.50	152.21	10.26	4.71	.55	.55	.507
			11.0	390.54	-223.17		-6.94	1.26	152.21	10.27	3.07	.60	.60	.455
			16.5	390.57	-84.40		-11.38	2.94	152.21	10.27	1.74	1.04	1.04	.381
			21.9	390.61	141.43		-15.56	4.52	152.21	10.27	5.62	1.28	1.28	.535



STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6 U.S. NAVY - ACAR PLATFORMS - PLATFORM NO. 2 - HVL 93.0 FEET - 50 YH STORM

MEMBER NUMBER	SECTN	FROM END	TO END	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FY	TORSION MX	AXIAL STRESS	BENDING Y	BENDING Z	SHEAR STRESS	SHEAR STRESS	COMB. UNITY
		DIST		MOMENT		SHEAR FORCE		TORSION		BENDING STRESS		SHEAR STRESS		COMB.
		FT.		IN-KIPS		KIPS		IN-KIPS		/KSI		/KSI		/CHECK
645	706	200	1	0.0	-554.30	57.44	-0.43	3.71	-16.23	-14.68	-1.60	.24	.24	.601
		5.5		-554.34	432.11	54.59	-0.09	.43	-16.23	-14.68	-2.44	.09	.09	.625
		11.0		-554.31	349.56	50.05	.21	-1.92	-16.23	-14.68	-2.23	.15	.15	.619
		16.4		-554.28	143.13	24.40	.51	-4.51	-16.23	-14.67	-1.04	.28	.28	.585
		21.9		-554.25	-144.47	-16.34	.80	-8.94	-16.23	-14.67	-1.09	.41	.41	.586
646	656	JL6	1	0.0	1770.97	-543.55	-4.24	51.02	376.92	12.39	1.50	.56	.56	.479
		1.5		1770.34	-1740.76	-404.61	-2.01	27.57	376.92	12.38	1.16	.51	.51	.468
		3.0		1769.70	-1312.50	-469.76	.16	24.22	376.92	12.38	.88	.46	.46	.459
		4.6		1769.07	-900.25	-492.04	2.24	20.96	376.92	12.38	.64	.41	.41	.451
		6.1		1768.44	-546.92	-552.48	4.54	17.79	376.92	12.37	.49	.37	.37	.466
651	701	JL6	1	0.0	-250.31	2192.49	30.24	-19.94	2013.74	-1.75	-1.38	1.14	1.14	.105
		1.4		-251.05	1772.95	-400.34	26.15	-19.46	2013.74	-1.76	-1.22	1.09	1.09	.100
		3.5		-251.79	1365.10	-1514.29	22.15	-19.02	2013.78	-1.76	-1.19	1.04	1.04	.100
		5.3		-252.53	942.05	-1744.19	18.26	-18.50	2013.74	-1.77	-1.25	1.00	1.00	.102
		7.1		-253.27	571.97	-2042.75	14.50	-18.14	2013.74	-1.77	-1.36	0.96	0.96	.105
653	703	JL6	1	0.0	-1489.45	2019.01	-19.94	17.67	-672.58	-10.42	-1.43	.58	.58	.408
		1.4		-1490.19	-1401.72	2424.00	-16.54	14.88	-672.58	-10.43	-1.76	.54	.54	.419
		3.5		-1490.94	-1677.03	2401.04	-16.83	-11.40	-672.58	-10.43	-2.05	.50	.50	.428
		5.3		-1491.68	-1847.77	3143.47	-15.54	-8.41	-672.58	-10.44	-2.30	.46	.46	.436
		7.1		-1492.42	-2035.43	3454.95	-13.92	-5.51	-672.58	-10.44	-2.52	.42	.42	.443
656	706	JL6	1	0.0	1768.45	-552.65	4.54	16.97	376.66	12.37	.49	.36	.36	.446
		1.4		1767.70	-224.22	-670.05	6.64	9.86	376.66	12.37	.44	.33	.33	.445
		3.5		1766.96	22.60	-436.76	8.97	6.86	376.66	12.36	.53	.30	.30	.447
		5.3		1766.21	196.24	-1051.44	11.19	6.46	376.66	12.36	.67	.30	.30	.451
		7.1		1765.47	298.49	-1312.76	13.55	5.16	376.66	12.35	.85	.31	.31	.457
701	702	137	1	0.0	60.45	64.06	-2.61	-1.18	.65	4.15	3.73	.40	.40	.262
		4.7		60.43	73.15	172.79	-0.40	-1.11	.65	4.15	4.28	.17	.17	.280
		9.4		60.63	12.59	132.40	1.82	-1.04	.65	4.15	3.04	.29	.29	.241
		14.1		60.43	-43.22	-52.57	4.06	-0.95	.65	4.15	1.24	.58	.58	.183
		18.4		60.43	-93.62	-323.97	6.30	-0.84	.65	4.15	0.95	.48	.48	.348
701	704	137	1	0.0	-34.01	62.07	-2.62	-0.75	-19.75	-2.61	-2.49	.60	.60	.204
		4.7		-34.05	21.40	174.65	-0.40	-0.69	-19.75	-2.61	-4.02	.33	.33	.257
		9.4		-34.03	-15.64	134.86	1.61	-0.63	-19.75	-2.61	-3.10	.49	.49	.228
		14.1		-34.04	-49.66	-28.54	4.00	-0.57	-19.75	-2.61	-1.31	.78	.78	.171
		18.4		-34.03	-80.03	-314.67	6.17	-0.51	-19.75	-2.61	-7.41	1.07	1.07	.364
701	801	JL7	1	0.0	137.21	-1405.46	22.92	-4.39	559.69	1.94	2.40	1.02	1.02	.144
		6.0		135.45	259.24	-5120.11	10.54	-3.14	559.69	1.92	3.98	.67	.67	.193
		13.2		134.50	57.02	-3503.76	-0.66	-1.99	559.69	1.90	4.46	.42	.42	.207
		19.4		133.15	-58.52	-5041.08	-10.89	-0.95	559.69	1.88	3.87	.67	.67	.188
		26.4		131.78	-95.23	-1405.12	-20.23	-0.00	559.69	1.86	2.30	.93	.93	.138

STRAN MEMBER DETAIL REPORT

U.S. NAVY - ACMV 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	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS	UNITY CHECK
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	553.61	-5.90	2.01	2.53	-7.53	-3.17		.33	.33	.445	
		24.4	-266.42	-272.55	869.65	1.45	0.09	2.53	-7.53	-5.10		.08	.08	.508	
		36.6	-266.35	-157.21	165.85	8.03	-1.64	2.53	-7.53	-1.28		.44	.44	.383	
		48.8	-266.26	-205.59	-1453.36	13.97	-3.52	2.53	-7.53	-8.21		.76	.76	.610	
702	703 157-1	0.0	71.11	-89.56	-173.88	-4.66	.39	2.37	4.88	4.56		.67	.67	.314	
		4.7	71.11	-84.52	20.29	-2.42	.50	2.37	4.88	1.54		.37	.37	.216	
		9.4	71.11	-53.20	94.08	2.21	.61	2.37	4.88	2.28		.11	.11	.242	
		14.1	71.11	3.98	43.81	1.49	.71	2.37	4.88	1.00		.32	.32	.202	
		18.8	71.11	47.24	-129.819	4.16	.82	2.37	4.88	3.14		.61	.61	.269	
702	704 127-1	0.0	-32	1.05	6.57	.04	-.58	5.81	-.03	-.22		.19	.19	.004	
		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	-8.49	.04	.44	5.81	-.03	-.25		.17	.17	.009	
		18.8	-32	25.72	-2.85	.04	.73	5.81	-.03	-.47		.22	.22	.026	
702	705 127-1	0.0	-14.71	-.23	-151.66	-4.06	-.66	-1.01	-1.24	-5.07		.72	.72	.211	
		4.7	-14.72	-26.72	22.01	-2.11	-.29	-1.01	-1.24	-1.16		.38	.38	.087	
		9.4	-14.73	-32.75	85.84	-1.15	.07	-1.01	-1.24	-3.07		.06	.06	.147	
		14.1	-14.74	-18.97	39.22	1.80	.42	-1.01	-1.24	-1.46		.34	.34	.097	
		18.8	-14.74	13.94	-117.23	3.76	.75	-1.01	-1.24	-3.95		.67	.67	.175	
703	705 157-1	0.0	-14.34	14.07	-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	.085	
		9.4	-14.34	-40.55	9.66	-1.03	-.44	3.12	-.98	-.05		.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	125.05	-1.03	-.29	3.12	-.98	-3.00		.18	.18	.157	
703	801 200-1	0.0	-266.22	-530.47	1434.88	17.02	3.62	6.53	-6.84	-9.83		.93	.93	.619	
		12.2	-266.16	-92.69	-243.22	6.76	2.36	6.53	-6.84	-1.56		.50	.50	.357	
		24.4	-266.07	-162.46	-959.42	1.13	1.12	6.53	-6.84	-5.45		.10	.10	.434	
		36.6	-266.00	235.13	-605.35	-5.86	-.13	6.53	-6.83	-3.83		.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	803 127-1	0.0	-1142.27	-2080.40	2784.71	-2.72	-11.60	434.35	-16.87	-4.43		.61	.61	.730	
		4.7	-1143.63	-2626.09	2804.93	2.01	-2.18	434.35	-16.89	-4.89		.36	.36	.752	
		13.2	-1145.01	-2491.01	2480.84	6.21	6.20	434.35	-16.91	-5.44		.52	.52	.740	
		19.8	-1146.38	-1668.45	1837.75	9.99	13.71	434.35	-16.93	-3.16		.76	.76	.705	
		26.4	-1147.73	-513.84	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	17.00	-2.17	-.36	-3.64	1.25	-.42		.43	.43	.043	
		9.4	14.90	-16.80	84.32	-.20	-.07	-3.64	1.25	2.89		.10	.10	.135	
		14.1	14.90	-15.60	40.36	1.77	.25	-3.64	1.25	1.33		.36	.36	.089	
		18.8	14.90	9.02	-114.43	3.74	.57	-3.64	1.25	3.84		.70	.70	.165	

STRAN MEMBER DETAIL REPORT

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

MEMBER GROUP AND SECT	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	TORSION MZ IN-KIPS	SHEAR FORCE		AXIAL STRESS / IN-KIPS	BENDING STRESS		SHEAR STRESS / KSI	COMB. STRESS / CHECK
					FY KIPS	FZ KIPS		Y	Z		
700= 706 137= 1	0.0	-49.19	-80.00	-157.15	-4.35	.48	26.27	-3.37	-4.02	.91	.282
	4.7	-49.19	-29.20	27.21	-2.20	.93	26.27	-3.37	-0.91	.63	.195
	9.4	-49.19	23.77	91.32	0.08	.95	26.27	-3.37	-2.15	.43	.228
	14.1	-49.19	77.53	36.66	2.02	.95	26.27	-3.37	-1.96	.61	.227
	18.8	-49.19	130.76	-135.30	4.09	.95	26.27	-3.37	-4.29	.88	.293
705= 706 137= 1	0.0	-35.64	-42.60	-106.20	-0.89	1.03	-15.74	-2.44	-3.07	.37	.219
	4.7	-35.64	-23.23	54.08	-0.89	1.09	-15.74	-2.44	-1.39	.37	.166
	9.4	-35.64	34.68	-5.96	-0.89	1.14	-15.74	-2.44	-0.92	.38	.151
	14.1	-35.64	104.89	44.16	-0.89	1.16	-15.74	-2.44	-2.59	.38	.204
	18.8	-35.64	169.82	94.28	-0.89	1.15	-15.74	-2.44	-4.43	.38	.262
705= 805 200= 1	0.0	507.04	1291.50	-268.25	-1.52	-12.11	23.40	13.33	7.38	.71	.698
	12.2	507.12	-73.56	-61.73	-1.04	-6.37	23.40	13.33	3.62	.41	.443
	24.4	507.19	-643.16	37.85	-0.60	-1.27	23.40	13.33	3.61	.14	.578
	36.6	507.27	-466.33	95.35	-0.19	3.61	23.40	13.33	2.46	.26	.548
	48.8	507.33	381.54	95.42	.18	7.86	23.40	13.33	2.20	.48	.534
705= 806 217= 1	0.0	1144.63	1563.50	-705.21	-19.07	15.63	117.49	16.19	2.21	.77	.634
	6.9	1143.27	2357.52	454.80	-12.02	4.65	117.49	16.17	3.05	.44	.660
	13.2	1141.91	2321.89	1151.61	-5.58	-2.9	117.49	16.15	3.30	.29	.667
	19.8	1140.55	1527.03	1355.88	.33	-14.60	117.49	16.14	2.60	.49	.644
	26.4	1139.20	353.16	1112.45	5.76	-23.07	117.49	16.12	1.41	.75	.606
710= 810 22= 1	0.0	-114.14	878.23	-5237.04	-19.29	-1.98	1446.90	-0.44	-2.22	.46	.086
	6.6	-114.97	753.24	-3732.24	-19.29	-1.16	1446.90	-0.46	-1.59	.46	.067
	13.2	-119.80	691.94	-2206.94	-19.29	-0.37	1446.90	-0.48	-0.96	.46	.048
	19.8	-124.63	694.31	-681.74	-19.29	.43	1446.90	-0.50	-0.41	.46	.031
	26.4	-129.46	740.24	443.52	-19.29	1.24	1446.90	-0.52	-0.47	.46	.034
711= 811 22= 1	0.0	1434.47	-5134.41	-1900.52	.40	-6.34	965.90	7.32	2.28	.27	.327
	6.6	1433.64	-5741.79	-1932.49	.40	-7.53	965.90	7.30	2.53	.26	.334
	13.2	1428.41	-6325.53	-1964.47	.40	-6.73	965.90	7.28	2.76	.25	.341
	19.8	1423.98	-6825.84	-1946.45	.40	-5.92	965.90	7.26	2.96	.25	.346
	26.4	1419.15	-7262.10	-2024.43	.40	-5.12	965.90	7.24	3.14	.24	.351
712= 812 22= 1	0.0	-2224.53	3934.79	-410.97	2.19	7.60	611.19	-8.45	-1.65	.19	.371
	6.6	-2223.36	4567.73	-583.82	2.19	4.41	611.19	-8.87	-1.92	.20	.374
	13.2	-2234.19	5264.27	-756.67	2.19	9.21	611.19	-8.89	-2.22	.20	.366
	19.8	-2239.02	6024.41	-929.53	2.19	10.02	611.19	-8.91	-2.54	.21	.397
	26.4	-2243.95	6848.15	-1102.38	2.19	10.82	611.19	-8.93	-2.84	.22	.408
801= 802 163= 1	0.0	14.15	140.92	120.56	-2.00	-0.94	-3.76	1.11	4.23	.35	.173
	5.6	14.15	74.74	144.51	-1.19	-0.71	-3.76	1.11	4.00	.17	.190
	11.3	14.15	23.54	146.86	1.61	-0.80	-3.76	1.11	3.39	.29	.146
	16.9	14.15	-27.68	-22.40	3.41	-0.72	-3.76	1.11	2.81	.52	.064
	22.5	14.15	-74.00	-313.27	5.21	-0.65	-3.76	1.11	2.35	.76	.271

STRAN MEMBER DETAIL REPORT

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

MEMBER NUMBER	GROUP AND SECTN	FROM END	TO END	FORCE FA KIPS	MOMENT MY	MOMENT MZ	SHEAR FY KIPS	SHEAR FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS Y /	BENDING STRESS Z	SHEAR STRESS YZ	SHEAR STRESS XZ	COMB. STRESS	UNITY CHECK
801	804 100-1	0.0	0.0	-64.13	27.85	121.35	-1.94	-0.48	-30.46	-4.40	-2.84	.62	.62	.353	
		5.6	5.6	-64.13	-2.13	192.15	-0.11	-0.41	-30.46	-4.40	-4.39	.41	.41	.377	
		11.3	11.3	-64.12	-26.11	140.38	1.07	-0.36	-30.46	-4.40	-3.27	.58	.58	.345	
		16.9	16.9	-64.11	-51.06	-33.98	3.49	-0.32	-30.46	-4.40	-1.40	.63	.63	.297	
		22.5	22.5	-64.10	-71.92	-350.42	5.50	-0.30	-30.46	-4.40	-7.73	1.08	1.08	.474	
801	901 JLO-1	0.0	0.0	-129.15	742.12	-2053.01	3.54	-7.06	267.47	-1.83	-2.79	.39	.39	.155	
		6.4	6.4	-130.57	234.58	-1976.91	-5.31	-6.17	267.47	-1.85	-2.53	.40	.40	.148	
		13.7	13.7	-131.95	-233.35	-1200.44	-13.49	-5.38	267.47	-1.87	-1.56	.58	.58	.117	
		20.5	20.5	-133.36	-644.23	222.05	-21.07	-4.66	267.47	-1.89	-0.47	.78	.78	.096	
		27.4	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	0.0	224.93	676.05	-514.76	-10.20	-5.29	-20.35	6.02	4.78	.66	.66	.361	
		14.0	14.0	227.02	1.31	648.16	-3.80	-2.81	-20.35	6.02	3.63	.31	.31	.324	
		28.0	28.0	229.16	-275.83	786.71	2.05	-5.53	-20.35	6.02	4.67	.17	.17	.357	
		41.9	41.9	229.30	-191.84	-46.92	7.29	1.50	-20.35	6.03	1.07	.45	.45	.244	
		55.9	55.9	229.42	212.34	-1624.81	11.94	3.24	-20.35	6.03	0.19	.71	.71	.501	
802	803 100-1	0.0	0.0	25.64	-74.89	-147.71	-3.50	.30	15.24	1.76	3.78	.66	.66	.181	
		5.6	5.6	25.64	-52.42	22.97	-1.71	.37	15.24	1.76	1.36	.41	.41	.104	
		11.3	11.3	25.64	-25.02	62.99	.07	.44	15.24	1.76	1.98	.24	.24	.124	
		16.9	16.9	25.64	7.33	14.30	1.84	.52	15.24	1.76	.45	.44	.44	.075	
		22.5	22.5	25.64	44.82	-165.14	3.59	.59	15.24	1.76	3.90	.67	.67	.185	
802	904 140-1	0.0	0.0	.55	-8.20	-1.06	.02	-.42	11.26	.05	.28	.26	.26	.010	
		5.6	5.6	.55	-27.04	-2.58	.02	-.14	11.26	.05	.91	.21	.21	.030	
		11.3	11.3	.55	-27.81	-4.10	.02	.12	11.26	.05	.94	.21	.21	.031	
		16.9	16.9	.55	-11.47	-5.82	.02	.36	11.26	.05	.43	.25	.25	.015	
		22.5	22.5	.55	21.03	-7.14	.02	.60	11.26	.05	.74	.29	.29	.025	
802	805 140-1	0.0	0.0	-12.54	-2.16	-164.50	-3.39	-0.53	-8.79	-1.06	-5.50	.72	.72	.219	
		5.6	5.6	-12.58	-20.34	11.48	-1.82	-0.25	-8.79	-1.06	-1.02	.46	.46	.078	
		11.3	11.3	-12.58	-35.50	80.97	-0.24	.03	-8.79	-1.06	-2.96	.19	.19	.139	
		16.9	16.9	-12.57	-23.84	43.16	1.36	.32	-8.79	-1.06	-1.65	.38	.38	.097	
		22.5	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	0.0	53.90	-32.35	-53.88	-0.50	-0.33	12.40	3.70	1.43	.22	.22	.174	
		5.6	5.6	53.90	-52.16	-20.33	-0.50	-0.26	12.40	3.70	1.28	.22	.22	.169	
		11.3	11.3	53.90	-67.03	13.22	-0.50	-0.18	12.40	3.70	1.56	.21	.21	.178	
		16.9	16.9	53.90	-78.95	46.77	-0.50	-0.11	12.40	3.70	2.06	.21	.21	.194	
		22.5	22.5	53.90	-81.99	80.32	-0.50	-0.04	12.40	3.70	2.62	.21	.21	.212	
803	903 JLO-1	0.0	0.0	-640.06	-914.62	1459.71	5.86	-8.73	305.49	-9.76	-2.19	.49	.49	.417	
		6.4	6.4	-691.45	-1373.75	862.58	8.82	-2.46	305.49	-9.78	-2.06	.45	.45	.414	
		13.7	13.7	-642.85	-1334.04	20.10	11.66	3.21	305.49	-9.80	-1.70	.54	.54	.405	
		20.5	20.5	-644.28	-861.98	-1045.40	14.26	8.32	305.49	-9.82	-1.72	.66	.66	.406	
		27.4	27.4	-645.70	16.03	-2315.42	16.84	12.98	305.49	-9.84	-2.94	.79	.79	.441	

STRAN MEMBER DETAIL REPORT

U.S. NAVY - ACAR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YN STUPM

MEMBER NUMBER AND SECTN	GRJUM	ORJUM	FOOT	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	SHEAR STRESS Y	SHEAR STRESS Z	COMB. UNITY CHECK
903	906	200	1	0.0	471.49	-1139.45	-103.46	7.25	27.58	-12.40	-6.40	.46	.680				
				14.0	471.74	-154.38	-14.16	4.44	27.58	-12.40	-6.40	.31	.639				
				24.0	471.66	351.34	14.03	1.63	27.58	-12.40	-1.97	.16	.686				
				41.9	471.55	349.91	4.71	.23	27.58	-12.40	-2.18	.14	.695				
				55.9	471.47	-36.48	-54.11	3.90	27.58	-12.39	-3.19	.28	.617				
904	905	140	1	0.0	12.07	33.20	-152.27	-3.40	-3.21	1.01	5.21	.63	.200				
				5.6	12.07	3.66	22.55	-1.77	-3.21	1.01	5.21	.36	.059				
				11.3	12.07	-9.53	47.07	.14	-3.21	1.01	2.93	.08	.128				
				16.9	12.07	-5.34	41.28	1.49	-3.21	1.01	1.39	.31	.079				
				22.5	12.07	14.61	-114.41	3.13	-3.21	1.01	3.48	.58	.158				
904	906	140	1	0.0	-12.74	-44.97	-165.79	-3.04	23.69	-4.99	-4.66	.81	.425				
				5.6	-12.78	-27.18	14.97	-2.04	23.69	-4.99	-4.71	.58	.310				
				11.3	-12.78	94.31	-31.74	1.51	23.69	-4.99	-2.29	.40	.353				
				16.9	-12.77	91.01	57.35	1.43	23.69	-4.99	-2.47	.50	.349				
				22.5	-12.77	153.01	-94.79	3.13	23.69	-4.99	-4.13	.72	.425				
905	906	140	1	0.0	36.32	-47.03	-137.27	-4.46	-1.94	2.49	3.44	.32	.208				
				5.6	36.32	-23.71	-72.18	-1.94	-1.94	2.49	1.75	.32	.142				
				11.3	36.32	40.67	-7.09	-4.46	-1.94	2.49	1.12	.33	.122				
				16.9	36.32	124.50	54.01	-4.46	-10.94	2.49	3.13	.33	.186				
				22.5	36.32	201.47	123.10	-4.46	-10.94	2.49	5.19	.33	.257				
906	901	200	1	0.0	265.78	712.44	1414.54	13.37	50.14	6.99	4.86	.89	.524				
				14.0	265.74	43.04	-270.72	6.79	50.14	6.99	1.59	.53	.293				
				24.0	265.43	-215.37	-403.49	-4.43	50.14	6.99	5.09	.19	.404				
				41.9	265.92	-207.29	-468.91	-5.23	50.14	6.99	2.85	.42	.337				
				55.9	266.03	104.44	444.76	-10.63	50.14	6.99	4.79	.72	.395				
906	906	140	1	0.0	846.97	610.22	395.92	-4.75	674.91	11.94	1.15	1.01	.454				
				5.6	845.56	1511.14	974.02	-4.52	674.91	11.96	2.29	.74	.489				
				13.7	844.10	1559.67	1144.60	.35	674.91	11.94	2.46	.65	.494				
				20.5	842.76	1000.04	929.34	4.92	674.91	11.92	1.74	.88	.470				
				27.4	841.34	-132.44	347.66	4.22	674.91	11.90	.47	1.11	.429				
907	910	420	1	0.0	-129.51	756.62	444.40	-14.24	4.74	-3.2	3.14	.66	.351				
				5.6	-130.52	13.24	2031.09	-14.29	4.74	-3.2	1.01	.35	.052				
				13.7	-132.54	-663.37	4015.36	-14.29	4.74	-3.2	1.70	.35	.074				
				20.5	-140.55	-1271.54	5590.67	-14.29	4.74	-3.2	2.34	.34	.097				
				27.4	-149.57	-1810.64	7163.96	-14.29	4.74	-3.2	3.04	.34	.120				
907	911	420	1	0.0	1419.40	-7244.54	-2019.46	.62	1123.41	7.24	3.14	.66	.351				
				5.6	1414.34	-2640.44	-2070.97	.62	1123.41	7.22	1.47	.67	.298				
				13.7	1409.37	1624.44	-2122.06	.62	1123.41	7.20	1.11	.67	.286				
				20.5	1404.36	-172.00	-2173.19	.62	1123.41	7.18	2.73	.68	.336				
				27.4	1399.34	1074.21	-2224.31	.62	1123.41	7.16	4.54	.69	.394				

STRAN MEMBER DETAIL REPORT

U.S. NAVY - ACHE PLATFURMS - PLATFURM (M), 2 - MAL 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE		MOMENT		SHEAR FORCE		TORSION		AXIAL STRESS		BENDING STRESS		SHEAR STRESS		SHEAR STRESS	SHEAR STRESS	COMB. UNITY CHECK
			KIPS	KIPS	IN-KIPS	IN-KIPS	KIPS	KIPS	IN-KIPS	IN-KIPS	IN-KIPS	IN-KIPS	IN-KIPS	IN-KIPS	IN-KIPS	IN-KIPS			
912	412	1	0.0	-224.14	688.15	-1110.21	2.19	-47.48	2186.58	-8.93	-2.89	.83	.409						
			6.5	-224.15	245.72	-1269.71	2.19	-46.64	2186.58	-8.95	-1.35	.83	.367						
			13.2	-224.17	-412.07	-1469.22	2.19	-45.81	2186.58	-8.97	.70	.82	.350						
			20.5	-224.19	-539.22	-1644.72	2.19	-44.97	2186.58	-8.99	-2.01	.81	.347						
			27.4	-224.20	-817.73	-1828.23	2.19	-44.13	2186.58	-9.01	-3.50	.81	.429						
901	402	149	0.0	-116.75	143.10	203.73	-1.78	.81	-9.00	-5.51	-3.60	.25	.457						
			6.5	-116.75	62.50	276.44	.05	.72	-9.00	-5.51	-4.17	.13	.465						
			13.2	-116.75	28.63	213.15	1.06	.63	-9.00	-5.51	-3.11	.23	.431						
			19.8	-116.75	-17.53	13.84	3.57	.54	-9.00	-5.51	-3.32	.39	.351						
			26.4	-116.75	-50.15	-321.48	5.09	.44	-9.00	-5.51	-4.72	.55	.479						
901	404	149	0.0	-84.58	14.24	206.64	-1.62	.45	-23.14	-3.24	-3.00	.33	.285						
			6.5	-84.57	-17.55	265.78	.12	.56	-23.14	-3.24	-3.85	.20	.309						
			13.2	-84.57	-82.05	187.85	1.04	.26	-23.14	-3.24	-2.79	.34	.279						
			19.8	-84.57	-59.23	-26.03	3.55	.17	-23.14	-3.24	-1.94	.50	.230						
			26.4	-84.59	-89.04	-374.72	5.25	.08	-23.14	-3.24	-5.51	.66	.358						
901	1001	149	0.0	3.14	-841.94	2246.28	18.20	1.88	67.75	.04	3.05	.56	.098						
			6.5	1.74	-860.69	1030.03	11.48	2.42	67.75	.02	1.56	.37	.050						
			13.7	.36	-886.70	350.05	5.18	2.87	67.75	.01	.72	.21	.023						
			20.5	-1.03	-195.57	159.67	.32	3.23	67.75	.01	-.32	.14	.011						
			27.4	-2.43	81.05	-324.22	-3.14	3.50	67.75	.03	-.43	.18	.015						
901	1002	180	0.0	241.42	240.76	-27.12	-4.05	-2.97	-90.21	8.00	2.53	.74	.358						
			6.5	241.32	25.03	283.21	-1.44	-1.55	-90.21	7.99	2.55	.54	.359						
			14.9	241.14	-73.08	306.76	.99	-.21	-90.21	7.99	2.82	.47	.357						
			26.4	241.08	-26.56	69.72	3.09	.94	-90.21	7.99	.67	.62	.299						
			37.4	240.99	113.60	-346.48	4.00	1.43	-90.21	7.98	3.26	.69	.381						
901	1004	180	0.0	-255.51	-139.29	-103.31	-4.40	1.90	-68.50	-8.50	-1.55	.62	.433						
			6.5	-255.61	14.16	250.67	-1.85	.81	-68.50	-8.50	-2.25	.44	.456						
			14.9	-255.73	47.97	321.05	.57	-.20	-68.50	-8.50	-2.91	.35	.478						
			26.4	-255.83	-25.82	152.76	2.65	-1.06	-68.50	-8.51	-1.21	.50	.422						
			37.4	-255.92	-171.57	-255.04	3.60	-1.41	-68.50	-8.51	-2.41	.56	.460						
902	903	149	0.0	-107.67	-51.55	-115.10	-2.67	-1.10	20.57	-5.08	-1.82	.42	.369						
			6.5	-107.57	-53.45	44.75	-1.16	-.00	20.57	-5.08	-1.03	.26	.349						
			13.2	-107.67	-52.03	69.90	.53	.04	20.57	-5.08	-1.26	.20	.354						
			19.8	-107.67	-81.29	-34.35	4.20	.18	20.57	-5.08	-.62	.36	.341						
			26.4	-107.67	-23.22	-274.68	3.66	.27	20.57	-5.08	-.05	.51	.431						
902	904	149	0.0	.94	-11.63	-19.84	-.07	-.14	10.98	.08	.77	.21	.627						
			6.5	.94	-17.56	-14.14	-.07	-.01	10.98	.08	.75	.20	.626						
			13.2	.94	-12.64	-4.54	-.07	.13	10.98	.08	.51	.21	.619						
			19.8	.94	-2.55	-2.64	-.07	.26	10.98	.08	.12	.23	.617						
			26.4	.94	24.20	3.11	-.07	.34	10.98	.08	.95	.25	.633						

STRAN MEMBER DETAIL REPORT

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YK STURM

MEMBER NUMBER	GROUP	FROM END FT.	DIST	FORCE		MOMENT		TORSION		AXIAL STRESS		SHEAR STRESS		SHEAR STRESS	SHEAR STRESS	CHECK
				FX	FY	MX	FZ	MY	MZ	AXIAL	Y	Z	Y			
902	905	149	1	0.0	-11.84	-12.59	-104.40	-3.03	-0.21	-0.21	-0.99	-6.25	.61	.61	.243	
		0.0			-11.83	-23.99	-34	-1.07	-0.21	-0.99	-6.25	.38	.38	.071		
		13.2			-24.94	77.99	77.99	0.5	-0.21	-0.99	-2.72	.15	.15	.131		
		14.5			-11.84	-15.43	46.34	1.04	-0.21	-0.99	-1.63	.29	.29	.097		
		20.4			-11.87	4.34	-94.44	2.47	-0.21	-1.00	-3.16	.52	.52	.145		
903	905	189	1	0.0	17.89	-111.44	49.17	0.7	-0.01	5.75	8.43	1.73	.05	.05	.348	
		0.0			17.89	-106.38	34.80	0.7	0.0	5.75	8.43	1.67	.05	.05	.346	
		13.2			17.89	-97.99	33.54	0.7	0.10	5.75	8.43	1.50	.06	.06	.341	
		14.5			17.89	-89.29	28.31	0.7	0.27	5.75	8.43	1.23	.07	.07	.332	
		20.4			17.89	-55.25	23.02	0.7	0.36	5.75	8.43	0.87	.08	.08	.321	
905	1002	100	1	0.0	-243.01	-112.00	489.80	5.30	1.23	-22.12	-8.04	-4.33	.46	.46	.504	
		4.5			-243.07	-12.95	19.54	2.05	0.55	-22.12	-8.06	-0.21	.28	.28	.369	
		18.0			-243.53	8.30	-140.44	0.19	-0.15	-22.12	-8.07	-1.26	.11	.11	.403	
		20.4			-243.61	-43.00	-32.46	-2.00	-0.72	-22.12	-8.07	-0.48	.24	.24	.378	
		37.0			-243.69	-138.05	202.79	-2.95	-0.86	-22.12	-8.07	-2.66	.30	.30	.450	
905	1005	100	1	0.0	-94.37	-217.30	-2712.91	-16.15	-5.45	814.98	-1.39	3.46	.88	.88	.160	
		0.0			-94.70	-355.90	-1405.43	-9.97	0.34	814.98	-1.41	-2.34	.80	.80	.126	
		13.7			-101.20	-185.21	-1080.29	-0.01	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	-0.73	.79	.79	.076	
		27.0			-104.03	-954.07	26.10	-6.20	7.92	814.98	-1.47	-1.21	.80	.80	.092	
905	1005	100	1	0.0	-406.60	-500.00	-2.99	-0.43	4.38	2.64	-16.12	-4.53	.30	.30	.914	
		4.5			-406.75	-119.14	30.60	-0.16	2.94	2.64	-16.12	-1.10	.17	.17	.770	
		14.9			-406.81	50.99	32.92	0.12	0.58	2.64	-16.13	-0.54	.05	.05	.746	
		20.0			-406.89	14.08	5.20	0.35	-1.07	2.64	-16.13	-0.18	.09	.09	.731	
		37.0			-407.00	-151.70	-43.65	0.48	-1.74	2.64	-16.13	-1.41	.13	.13	.783	
906	905	149	1	0.0	10.90	29.11	-154.10	-3.00	-0.32	-6.14	.92	5.38	.61	.61	.202	
		0.0			10.90	4.24	21.80	-1.55	0.16	-6.14	.92	0.79	.37	.37	.057	
		13.2			10.90	-0.17	88.16	-0.12	-0.05	-6.14	.92	2.95	.13	.13	.125	
		14.5			10.90	0.87	42.05	1.29	0.08	-6.14	.92	1.41	.32	.32	.076	
		20.4			10.90	12.37	-115.13	2.08	0.21	-6.14	.92	3.87	.55	.55	.154	
906	906	189	1	0.0	-70.33	-73.72	-213.51	-3.57	0.63	35.07	-3.60	-3.27	.60	.60	.317	
		0.0			-70.34	-20.24	2.67	-0.69	0.72	35.07	-3.60	-0.30	.44	.44	.232	
		13.2			-70.35	40.48	67.01	-0.24	0.61	35.07	-3.60	-1.39	.33	.33	.263	
		14.5			-70.35	108.57	41.29	1.39	0.91	35.07	-3.60	-1.68	.41	.41	.276	
		20.4			-70.35	143.94	-132.69	3.00	1.00	35.07	-3.60	-3.28	.55	.55	.327	
905	906	189	1	0.0	102.45	-69.07	-100.55	-0.43	0.89	-8.95	-7.68	2.68	.19	.19	.359	
		0.0			102.45	4.41	-113.03	-0.43	0.98	-8.95	-7.68	1.64	.19	.19	.319	
		13.2			102.45	86.01	-30.51	-0.43	1.08	-8.95	-7.68	1.37	.20	.20	.311	
		14.5			102.45	174.93	34.00	-0.43	1.17	-8.95	-7.68	2.58	.21	.21	.349	
		20.4			102.45	271.17	107.52	-0.43	1.26	-8.95	-7.68	4.22	.21	.21	.401	

STIMAN MEMBER DETAIL REPORT

LOAD COMBINATION NO. 6 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	UNIT	FORCE	MOMENT	TORSION	AXIAL STRESS	BENDING STRESS	SHEAR STRESS	COMB. STRESS	UNIT CHECK		
PI.	FA	MY	FX	MZ	MX	Y	Z	Y	Z			
KIPS	KIPS	KIPS	KIPS	KIPS	KIPS	KIPS	KIPS	KIPS	KIPS			
900-1004	100-1	0.0	250.65	200.04	303.78	4.99	-2.27	-38.02	8.50	3.95	.53	.421
		4.5	250.57	49.91	-47.43	2.29	-1.23	-38.02	8.50	.62	.34	.315
		18.9	250.48	-32.58	-194.58	-2.20	.23	-38.02	8.50	1.50	.19	.349
		24.4	250.40	-9.56	-9.81	-2.43	.23	-38.02	8.49	.10	.34	.299
		37.2	250.30	102.24	338.23	-3.45	1.13	-38.02	8.49	3.16	.41	.396
900-1005	100-1	0.0	404.75	350.57	-54.46	-4.47	-4.16	-25.33	16.19	3.16	.39	.663
		4.5	404.72	6.04	-5.54	-2.20	-1.04	-25.33	16.19	.06	.24	.565
		14.9	404.53	-81.23	7.12	.06	.31	-25.33	16.18	.73	.13	.586
		24.4	404.43	64.01	-13.75	.29	2.25	-25.33	16.18	.63	.26	.583
		37.2	404.36	387.44	-23.20	.37	3.14	-25.33	16.18	3.50	.32	.674
900-1006	JL9-1	0.0	104.50	667.94	552.14	-54.90	6.67	754.96	1.48	1.31	.73	.093
		4.5	103.11	1146.14	667.59	-1.81	.14	754.96	1.46	1.63	.53	.109
		13.7	101.71	897.38	853.52	2.10	-6.14	754.96	1.44	1.57	.66	.100
		20.5	100.27	151.02	531.21	5.85	-11.88	754.96	1.42	.70	.95	.072
		27.2	98.86	-947.39	-39.12	8.01	-15.69	754.96	1.40	1.27	.98	.089
910-1010	P3-1	0.0	-149.55	-1810.04	7184.35	-19.24	-1.49	773.54	-.51	-2.67	.27	.103
		4.5	-150.35	-1842.95	6761.55	-19.24	-.51	773.54	-.53	-3.23	.27	.122
		13.7	-161.35	-1894.44	10329.76	-19.24	.47	773.54	-.55	-3.79	.27	.140
		20.5	-167.25	-1815.15	11933.96	-19.24	1.46	773.54	-.57	-4.35	.27	.159
		27.2	-173.14	-1655.04	13517.17	-19.24	2.44	773.54	-.59	-4.91	.27	.177
911-1011	P3-1	0.0	174.28	10747.51	-2230.47	1.33	-192.57	2657.63	6.08	3.97	1.78	.337
		4.5	174.35	-4445.04	-2340.03	1.33	-191.54	2657.63	6.06	1.99	1.78	.274
		13.7	176.36	-20670.44	-2449.18	1.33	-190.61	2657.63	6.04	7.51	1.77	.448
		20.5	1760.56	-34290.30	-2554.34	1.33	-189.62	2657.63	6.02	13.12	1.76	.625
		27.2	1771.48	-51221.32	-2667.50	1.33	-188.64	2657.63	6.00	18.71	1.76	.801
912-1012	P3-1	0.0	-2259.41	-8197.73	-1434.31	2.19	182.15	2705.99	-7.64	-3.03	1.72	.365
		4.5	-2265.71	4800.19	-2017.41	2.19	183.13	2705.99	-7.66	-2.56	1.73	.353
		13.7	-2271.91	21876.86	-2147.32	2.19	184.12	2705.99	-7.68	-7.93	1.73	.518
		20.5	-2277.51	37036.24	-2375.42	2.19	185.10	2705.99	-7.70	-13.38	1.74	.692
		27.2	-2283.40	52278.41	-2526.33	2.19	186.08	2705.99	-7.72	-18.47	1.75	.866
1001-1002	200-1	0.0	4.32	150.05	1079.13	3.22	-.72	61.31	.22	6.09	.35	.200
		7.5	4.32	64.07	775.44	3.45	-.74	61.31	.22	4.36	.36	.166
		15.2	4.32	-5.80	451.47	3.04	-.27	61.31	.22	2.53	.37	.088
		22.7	4.32	-48.36	107.41	3.08	-.95	61.31	.22	.78	.38	.032
		30.5	4.32	-177.82	-253.47	4.06	-1.02	61.31	.22	1.73	.39	.062
1001-1004	200-1	0.0	13.65	-144.45	1120.00	3.49	.66	151.36	.36	6.34	.61	.213
		7.5	13.61	-112.98	790.47	3.76	.54	151.36	.36	4.47	.62	.154
		15.2	13.60	-62.40	455.45	4.04	.51	151.36	.36	2.46	.64	.090
		22.7	13.61	-19.72	53.61	4.71	.44	151.36	.36	.32	.65	.023
		30.5	13.63	16.54	-359.22	4.71	.36	151.36	.36	2.01	.67	.076



STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STURM

MEMBER GROUP AND SECTN	FROM END FT.	TO END FT.	FURCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FURCE FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS Y /	HENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMP. STRESS UNITS	CHECK
1002-1003 200-1	0.0	356.08	59.33	-2.91	-2.91	1.03	-0.99	-59.26	9.36	.33	.24	.24	.336	
	7.6	356.08	-34.14	-102.74	-102.74	1.15	-1.07	-59.26	9.36	.61	.25	.25	.345	
	15.2	356.08	-134.51	-211.43	-211.43	1.23	-1.14	-59.26	9.36	1.40	.25	.25	.370	
	22.7	356.08	-241.77	-327.02	-327.02	1.31	-1.22	-59.26	9.36	2.26	.26	.26	.398	
	30.3	356.08	-355.92	-447.51	-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	-124.98	-0.66	1.39	30.44	.07	4.67	.48	.48	.150	
	7.6	1.11	-43.40	-64.70	-64.70	-0.66	1.29	30.44	.07	2.13	.47	.47	.070	
	15.2	1.11	18.64	-4.42	-4.42	-0.66	1.18	30.44	.07	.36	.45	.45	.014	
	22.7	1.11	121.04	55.85	55.85	-0.66	1.07	30.44	.07	2.50	.44	.44	.082	
	30.3	1.11	215.79	116.13	116.13	-0.66	.97	30.44	.07	4.57	.43	.43	.147	
1002-1005 140-1	0.0	-12.43	-174.79	-104.06	-104.06	-0.63	.89	-10.27	-0.77	-3.82	.23	.23	.154	
	7.6	-12.43	-93.52	-51.86	-51.86	-0.52	.79	-10.27	-0.78	-2.09	.21	.21	.100	
	15.2	-12.47	-31.91	-10.60	-10.60	-0.39	.68	-10.27	-0.78	-0.63	.19	.19	.054	
	22.7	-12.47	25.07	14.26	14.26	-0.24	.57	-10.27	-0.78	-0.58	.17	.17	.052	
	30.3	-12.47	72.39	33.28	33.28	-0.04	.47	-10.27	-0.78	-1.50	.16	.16	.041	
1003-1005 200-1	0.0	304.04	-674.35	271.77	271.77	.80	2.98	-23.30	9.57	4.07	.23	.23	.462	
	7.6	304.04	-408.72	149.60	149.60	.80	2.91	-23.30	9.57	2.53	.22	.22	.413	
	15.2	304.04	-145.94	125.59	125.59	.80	2.83	-23.30	9.57	1.08	.22	.22	.347	
	22.7	304.04	107.87	52.49	52.49	.80	2.75	-23.30	9.57	.67	.22	.22	.354	
	30.3	304.04	354.83	-20.60	-20.60	.80	2.68	-23.30	9.57	1.99	.21	.21	.396	
1004-1005 140-1	0.0	11.89	96.89	-89.39	-89.39	-0.61	2.23	-24.95	.74	2.49	.32	.32	.105	
	7.6	11.89	72.89	-39.94	-39.94	-0.46	1.34	-24.95	.74	1.56	.31	.31	.075	
	15.1	11.89	37.44	-5.26	-5.26	-0.31	0.44	-24.95	.74	.71	.30	.30	.048	
	22.7	11.89	-7.64	15.65	15.65	-0.15	0.55	-24.95	.74	.33	.31	.31	.036	
	30.3	11.89	-62.34	22.78	22.78	-0.00	0.68	-24.95	.74	1.25	.32	.32	.065	
1004-1006 200-1	0.0	-352.88	-203.34	-6.44	-6.44	.49	1.77	14.88	-9.28	-1.14	.14	.14	.517	
	7.6	-352.88	-48.06	-64.02	-64.02	.82	1.69	14.88	-9.28	-0.45	.14	.14	.486	
	15.1	-352.85	104.33	-136.67	-136.67	1.14	1.62	14.88	-9.28	-1.05	.15	.15	.506	
	22.7	-352.85	247.84	-262.77	-262.77	1.60	1.54	14.88	-9.28	-2.10	.16	.16	.543	
	30.3	-352.86	344.46	-444.66	-444.66	2.05	1.47	14.88	-9.28	-3.31	.17	.17	.584	
1005-1006 200-1	0.0	-352.40	-152.89	-15.32	-15.32	.52	2.42	-18.45	-8.74	-0.86	.18	.18	.478	
	7.6	-352.40	64.29	-63.69	-63.69	.52	2.35	-18.45	-8.74	-0.51	.18	.18	.461	
	15.1	-352.40	274.34	-111.08	-111.08	.52	2.27	-18.45	-8.74	-1.66	.17	.17	.507	
	22.7	-352.40	477.59	-158.43	-158.43	.52	2.20	-18.45	-8.74	-2.82	.17	.17	.552	
	30.3	-352.40	673.91	-205.40	-205.40	.52	2.12	-18.45	-8.74	-3.94	.17	.17	.596	

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LOAD CONDITION NO. 7 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DISI FROM END	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FORCE FY	SHEAR FORCE FZ	TORSION MX	AXIAL STRESS Y	BENDING STRESS Z	SHEAR STRESS YZ	COMB. STRESS	UNITY CHECK
		FT.	KIPS	IN-KIPS	IN-KIPS	KIPS	KIPS	IN-KIPS	/KSI	/KSI	/KSI	/KSI	
202	203 110-1	0.0	29.51	-305.94	-40.61	-.64	.34	-.05	1.82	-3.44	-3.79	.07	.504
		3.5	29.51	-235.10	-12.79	-.64	2.82	-.05	1.82	-2.67	-1.19	.08	.44
		7.3	29.51	-61.24	15.03	-.64	5.31	-.05	1.82	-.69	1.40	.08	.83
		10.8	29.51	223.63	42.86	-.64	7.79	-.05	1.82	2.51	4.00	.08	1.21
		14.5	29.51	615.53	70.68	-.64	10.27	-.05	1.82	6.92	6.59	.08	1.60
202	204 100-1	0.0	-.46	-2.79	-7.92	-.10	.17	-.00	-.12	-.13	-1.41	.02	.09
		3.5	-.46	-3.40	-3.92	-.10	-.09	-.00	-.12	-.40	-.61	.02	.05
		7.2	-.46	-10.25	1.06	-.10	.09	-.00	-.12	-.49	.19	.02	.00
		10.9	-.46	-6.51	5.50	-.10	.09	-.00	-.12	-.40	1.00	.02	.05
		14.5	-.46	-2.59	10.08	-.10	.17	-.00	-.12	-.12	1.80	.02	.09
202	205 100-1	0.0	-.78	2.89	-.54	.04	.19	-.00	-.11	.14	-.10	.01	.08
		3.5	-.78	-2.59	-1.24	-.04	-.08	-.00	-.11	-.11	-.22	.01	.04
		7.2	-.78	-3.09	3.01	.04	.01	-.00	-.11	-.19	-.54	.01	.00
		10.9	-.78	-1.60	-3.74	.04	.10	-.00	-.11	-.08	-.86	.01	.05
		14.5	-.78	4.45	-6.57	.04	.18	-.00	-.11	.21	-1.17	.01	.09
203	303 06L-1	0.0	39.60	1750.43	-104.25	-.78	-.26	-.03	1.04	11.62	-6.25	.06	2.78
		3.5	39.60	724.06	-72.15	-.78	-20.56	-.03	1.04	4.81	-4.24	.06	2.13
		7.2	39.60	-37.92	-54.11	-.78	-14.50	-.03	1.04	-.25	-.25	.06	1.50
		10.9	39.60	-536.13	4.03	-.78	-8.44	-.03	1.04	-3.56	-.24	.06	.87
		14.5	39.60	-771.19	30.04	-.78	-2.37	-.03	1.04	-5.12	1.77	.06	.25
203	303 06R-1	0.0	-2.11	-1372.06	-1125.93	-15.89	78.15	-589.77	-.02	-2.78	2.21	2.21	.089
		3.5	-3.27	-2144.64	-411.04	-15.89	78.15	-589.77	-.04	-3.42	2.21	2.21	.109
		7.5	-6.04	-5054.71	303.86	-15.89	77.07	-589.77	-.05	-4.66	2.19	2.19	.282
		11.3	-5.60	9016.16	1014.75	-15.89	72.12	-589.77	-.05	-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	-139.44	-70.12	-344.88	-1.03	.04	-.25	4.95	4.39	.23	.23	.416
		3.2	-140.20	-52.16	-243.64	-1.03	.74	-.25	4.95	-3.07	.25	.25	.372
		10.3	-140.56	-73.94	-142.49	-1.03	1.45	-.25	4.97	-2.00	.28	.28	.335
		25.5	-140.92	244.24	-41.30	-1.03	2.15	-.25	4.94	-3.14	.32	.32	.367
		32.6	-141.18	466.01	59.89	-1.03	2.63	-.25	4.99	-6.11	.36	.36	.460
204	205 100-1	0.0	1.45	2.47	-3.42	.00	-.22	.01	.26	.12	-.70	.00	.036
		3.5	1.45	-5.02	-4.01	.00	-.13	.01	.26	.24	-.72	.00	.07
		7.3	1.45	-8.73	-4.09	.00	-.04	.01	.26	-.42	-.73	.00	.02
		10.9	1.45	-8.65	-4.16	.00	.05	.01	.26	-.42	-.75	.00	.03
		14.5	1.45	-4.79	-4.26	.00	.13	.01	.26	-.23	-.76	.00	.07
204	206 110-1	0.0	-77.26	-310.14	-22.40	-.20	-.24	-.02	-4.77	-3.48	-2.09	.02	.04
		3.5	-77.26	-206.67	-15.84	-.20	2.24	-.02	-4.77	-2.99	-1.30	.02	.35
		7.3	-77.26	-115.14	-5.34	-.20	4.72	-.02	-4.77	-1.29	.50	.02	.73
		10.9	-77.26	144.45	3.11	-.20	7.21	-.02	-4.77	1.62	.29	.02	1.12
		14.5	-77.26	516.19	11.61	-.20	14.64	-.02	-4.77	5.82	1.08	.02	2.25

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM ENC FT.	FORCE		MOMENT		SHEAR FORCE		TORSION		AXIAL STRESS		BENDING STRESS		SHEAR STRESS		COMB. STRESS UNITY
			FX KIPS	FY KIPS	MX IN-KIPS	FZ KIPS	VX KIPS	VY KIPS	MX IN-KIPS	MY IN-KIPS	FX KIPS	FY KIPS	FX KIPS	FY KIPS	FX KIPS	FY KIPS	
100	105	100	1.08	2.49	-5.96	-0.03	-0.22	0.01	0.21	0.12	-1.06	0.01	0.12	0.09	0.04	0.04	0.04
		3.0	1.48	-5.33	-4.63	-0.03	-0.14	0.01	0.21	0.26	-0.83	0.01	0.07	0.04			
		7.3	1.48	-9.37	-3.30	-0.03	-0.05	0.01	0.21	-0.59	-0.59	0.01	0.03	0.04			
		10.9	1.48	-9.63	-1.97	-0.03	0.04	0.01	0.21	-0.46	-0.35	0.01	0.02	0.04			
		14.5	1.48	-9.10	-0.64	-0.03	0.12	0.01	0.21	-0.29	-0.11	0.01	0.07	0.02			
100	106	100	-0.60	-197.44	-13.50	-0.04	0.70	0.01	-0.04	-2.22	-1.27	0.01	0.11	0.16			
		3.0	-0.60	-129.08	-10.20	-0.04	2.42	0.01	-0.04	-1.46	-0.95	0.01	0.38	0.41			
		7.3	-0.60	-13.05	-6.80	-0.04	4.14	0.01	-0.04	0.15	-0.63	0.01	0.64	0.28			
		10.9	-0.60	230.70	-0.04	-0.04	5.86	0.01	-0.04	2.59	-0.32	0.01	0.91	0.95			
		14.5	-0.60	529.42	-0.04	-0.04	12.59	0.01	-0.04	5.94	-0.00	0.01	1.95	1.90			
105	106	100	-4.11	-275.09	14.86	0.17	-0.41	0.06	-0.25	-2.53	1.40	0.02	0.21	0.19			
		3.0	-4.11	-205.38	7.74	0.17	1.31	0.06	-0.25	-2.30	0.72	0.02	0.47	0.52			
		7.3	-4.11	-110.75	0.49	0.17	3.04	0.06	-0.25	-1.24	0.05	0.02	0.74	0.54			
		10.9	-4.11	58.01	-6.76	0.17	4.76	0.06	-0.25	0.66	-0.63	0.02	1.01	1.64			
		14.5	-4.11	303.29	-14.01	0.17	6.48	0.06	-0.25	3.40	-1.31	0.02	1.01	1.64			
105	200	000	-12.32	721.20	-113.11	-5.75	-17.09	14.01	-0.14	-1.14	0.01	0.41	0.41	0.41			
		3.0	-13.49	-47.74	145.64	-5.75	-17.09	14.01	-0.15	-0.24	0.01	0.41	0.41	0.41			
		7.5	-14.65	-81.69	404.34	-5.75	-17.09	14.01	-0.16	-1.43	0.01	0.41	0.41	0.41			
		11.3	-15.41	-154.64	603.15	-5.75	-17.09	14.01	-0.17	-2.69	0.01	0.41	0.41	0.41			
		15.0	-16.07	-235.58	921.90	-5.75	-17.09	14.01	-0.19	-3.96	0.01	0.41	0.41	0.41			
201	202	100	29.50	553.44	99.47	0.05	-9.93	0.05	1.82	6.28	9.32	0.10	1.54	0.54			
		3.0	29.50	141.53	62.90	0.05	-7.45	0.05	1.82	2.04	5.87	0.10	1.16	0.32			
		7.3	29.50	-48.37	25.94	0.05	-4.96	0.05	1.82	-0.99	2.42	0.10	0.77	0.19			
		10.9	29.50	-250.24	-11.03	0.05	-2.46	0.05	1.82	-2.81	-1.03	0.10	0.39	0.18			
		14.5	29.50	-304.11	-44.00	0.05	-0.00	0.05	1.82	-3.41	-4.08	0.10	0.00	0.27			
201	204	100	-75.42	855.85	93.06	0.74	-10.56	0.01	-4.68	7.47	8.68	0.09	1.64	0.70			
		3.0	-75.42	240.00	60.70	0.74	-4.08	0.01	-4.68	2.92	5.66	0.09	1.25	0.41			
		7.2	-75.42	-38.72	24.33	0.74	-5.60	0.01	-4.68	0.11	2.64	0.09	0.87	0.29			
		10.9	-75.42	-226.12	-4.03	0.74	-3.11	0.01	-4.68	-2.54	-3.11	0.09	0.48	0.21			
		14.5	-75.42	-377.61	-34.00	0.74	-0.63	0.01	-4.68	-3.45	-3.40	0.09	0.10	0.04			
201	301	000	-84.37	-511.49	1324.97	14.92	72.83	-110.76	-0.71	-2.23	1.72	1.72	1.72	0.96			
		3.0	-85.53	2792.60	957.46	14.92	72.83	-110.76	-0.72	-4.45	1.72	1.72	1.72	0.67			
		7.5	-86.69	6036.34	-14.05	14.92	71.75	-110.76	-0.73	-9.44	1.70	1.70	1.70	0.32			
		11.3	-87.86	9180.40	-685.55	14.92	68.80	-110.76	-0.74	-14.37	1.59	1.59	1.59	0.42			
		15.0	-88.45	12024.31	-1357.06	14.92	60.27	-110.76	-0.75	-18.93	1.45	1.45	1.45	0.26			
201	303	120	5.10	423.33	-543.24	-7.79	-4.63	3.58	0.22	8.59	0.66	0.66	0.66	0.29			
		3.2	5.74	3.75	214.79	-7.79	-3.04	3.58	0.20	2.74	0.64	0.64	0.64	0.09			
		16.3	5.34	-324.25	936.76	-4.39	-1.55	3.58	0.19	12.37	0.35	0.35	0.35	0.34			
		24.5	5.03	-145.30	646.84	-11.23	5.22	3.58	0.18	8.37	0.90	0.90	0.90	0.24			
		32.5	4.40	697.14	-1424.37	31.00	11.86	3.58	0.17	19.83	2.42	2.42	2.42	0.33			

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - HML 93.0 FEET - 50 YR STORM

MEMBER GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	TORSION MX IN-KIPS	AXIAL STRESS /	BENDING STRESS Y	BENDING STRESS Z	SHEAR STRESS /	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS UNIT
101- 102 *10- 1	0.0	-3.72	357.07	93.47	.78	-6.87	.01	-.23	4.01	6.72	.09	1.07	.400
	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	-4.38	.78	-1.70	.01	-.23	-2.27	-.78	.09	.26	.109
	14.5	-3.72	-238.04	-42.34	.78	-.02	.01	-.23	-2.68	-3.95	.09	.00	.232
101- 104 *10- 1	0.0	.51	350.15	66.99	.67	-6.58	.01	.03	3.93	6.11	.08	1.02	.408
	3.6	.51	101.62	57.91	.67	-4.56	.01	.03	1.14	5.40	.08	.75	.225
	7.2	.51	-72.07	28.84	.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 *10- 1	0.0	-18.44	-303.20	532.25	2.88	.68	180.46	-.20	-.96	.21	.21	.21	.038
	3.6	-19.61	-272.72	402.95	2.88	.68	180.46	-.22	-.76	.21	.21	.21	.032
	7.5	-20.77	-242.24	272.67	2.88	.68	180.46	-.23	-.57	.21	.21	.21	.026
	11.3	-21.93	-211.77	142.99	2.88	.68	180.46	-.24	-.40	.21	.21	.21	.021
	15.0	-23.09	-141.24	13.11	2.88	.68	180.46	-.25	-.28	.21	.21	.21	.018
102- 103 *10- 1	0.0	-3.57	-239.87	-59.58	-.57	.35	-.02	-.22	-2.69	-3.32	.07	.05	.210
	3.6	-3.57	-197.24	-19.90	-.57	2.07	-.02	-.22	-2.10	-1.02	.07	.32	.111
	7.3	-3.57	-59.79	13.79	-.57	3.79	-.02	-.22	-.67	1.29	.07	.59	.075
	10.9	-3.57	142.61	34.48	-.57	5.51	-.02	-.22	1.60	3.59	.07	.86	.185
	14.5	-3.57	419.49	63.14	-.57	7.24	-.02	-.22	4.71	5.89	.07	1.12	.363
102- 104 *10- 1	0.0	-.68	-1.21	-.640	-.10	.18	-.00	-.09	-.06	-1.21	.02	.09	.050
	3.6	-.68	-7.22	-2.66	-.10	-.09	-.00	-.09	-.35	-.48	.02	.05	.034
	7.2	-.68	-9.45	1.48	-.10	-.01	-.00	-.09	-.45	-.26	.02	.01	.030
	10.9	-.68	-7.40	5.61	-.10	.08	-.00	-.09	-.38	1.00	.02	.04	.053
	14.5	-.68	-2.57	9.75	-.10	.17	-.00	-.09	-.12	1.74	.02	.09	.070
102- 105 *10- 1	0.0	-.83	1.24	.04	.02	-.15	.00	-.12	.06	.01	.00	.08	.010
	3.6	-.83	-3.22	-.90	.02	.00	.00	-.12	.15	-.16	.00	.03	.018
	7.2	-.83	-3.90	-1.83	.02	.03	.00	-.12	.19	-.33	.00	.02	.025
	10.9	-.83	-.01	-2.78	.02	.11	.00	-.12	-.04	-.49	.00	.06	.026
	14.5	-.83	7.07	-3.59	.02	.20	.00	-.12	.29	-.64	.00	.10	.040
103- 105 *10- 1	0.0	-2.98	495.18	-50.98	-.43	-7.62	-.01	-.18	5.56	-5.13	.05	1.18	.362
	3.6	-2.98	201.34	-34.39	-.43	-5.90	-.01	-.18	2.26	-3.39	.05	.92	.197
	7.2	-2.98	-17.67	-17.42	-.43	-4.18	-.01	-.18	-.20	-1.66	.05	.65	.072
	10.9	-2.98	-161.84	.74	-.43	-2.48	-.01	-.18	-1.82	-.07	.05	.38	.068
	14.5	-2.98	-231.18	19.31	-.43	-.73	-.01	-.18	-2.59	1.80	.05	.11	.152
103- 203 *10- 1	0.0	-19.45	-428.61	-687.60	-4.08	3.35	-118.10	-.22	-1.24	.22	.22	.22	.047
	3.6	-21.02	-274.25	-457.08	-4.08	3.35	-118.10	-.23	-.84	.22	.22	.22	.035
	7.5	-22.16	-127.70	-249.35	-4.08	3.35	-118.10	-.24	-.43	.22	.22	.22	.023
	11.3	-23.34	22.66	-36.03	-4.08	3.35	-118.10	-.26	-.07	.22	.22	.22	.011
	15.0	-24.50	174.50	174.50	-4.08	3.35	-118.10	-.27	-.38	.22	.22	.22	.022

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LOAD CONDITION NO. 7 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAX 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE		MOMENT		SHEAR FORCE		TORSION		AXIAL STRESS		BENDING STRESS		SHEAR STRESS		COMB. STRESS	
			FX KIPS	FY KIPS	MX IN-KIPS	MY IN-KIPS	VX KIPS	VY KIPS	FX KIPS	FY KIPS	MX IN-KIPS	MY IN-KIPS	STRESS /	STRESS /	STRESS /	STRESS /	STRESS /	STRESS /
205	200 21-1	0.0	34.25	-766.52	19.21	.15	-2.06	-.02	1.78	-5.09	1.13	.01	.21	.262				
		3.6	34.25	-724.17	12.40	.15	4.01	-.02	1.78	-4.61	.75	.01	.21	.240				
		7.3	34.25	-417.43	6.40	.15	10.07	-.02	1.78	-2.77	.34	.01	1.04	.163				
		10.9	34.25	152.21	-.01	.15	16.14	-.02	1.78	1.01	-.00	.01	1.67	.094				
		14.5	34.25	446.24	-6.41	.15	22.20	-.02	1.78	6.55	-.39	.01	2.30	.262				
206	301 120-1	0.0	171.92	476.04	357.32	3.12	-4.76	-17.17	6.08	7.46	.51	.51	.449					
		4.2	171.56	46.47	52.20	3.12	-4.06	-17.17	6.07	.86	.47	.47	.239					
		8.5	171.20	-316.74	-252.92	3.12	-3.37	-17.17	6.05	5.06	.43	.43	.371					
		12.7	170.84	-502.64	-494.83	-.19	2.18	-17.17	6.04	8.71	.26	.26	.456					
		16.9	170.49	341.25	7.06	-10.32	16.35	-17.17	6.03	4.76	1.47	1.47	.561					
207	306 04L-1	0.0	-137.08	-562.47	1045.35	14.43	74.07	334.07	-1.50	-1.46	2.00	2.00	.113					
		3.6	-134.25	2450.65	344.17	14.43	76.07	334.07	-1.52	-4.66	2.00	2.00	.202					
		7.3	-132.41	6464.16	-253.00	14.43	74.07	334.07	-1.53	-10.12	2.00	2.00	.376					
		11.0	-140.57	9477.47	-402.17	14.43	76.07	334.07	-1.54	-15.67	2.00	2.00	.552					
		15.0	-141.17	13490.74	-1521.55	14.43	78.07	334.07	-1.55	-21.24	2.00	2.00	.728					
301	303 123-1	0.0	-9.54	174.42	-872.35	-10.40	-3.07	-7.30	-.50	-15.69	2.05	2.05	.516					
		7.3	-9.54	-26.12	525.61	-4.53	-1.55	-7.30	-.50	-6.29	1.05	1.05	.221					
		14.5	-9.54	-95.34	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	-456.07	19.38	2.99	-7.30	-.50	-17.10	2.10	2.10	.563					
301	306 123-1	0.0	-109.36	-444.30	-102.55	-7.17	1.35	-9.43	-5.68	-8.42	.45	.45	.520					
		7.2	-109.36	-311.26	315.93	-2.44	2.68	-9.43	-5.68	-7.42	.47	.47	.490					
		14.5	-109.36	-34.52	336.31	1.98	3.62	-9.43	-5.68	-5.96	.52	.52	.433					
		21.7	-109.36	307.84	-20.47	6.06	4.19	-9.43	-5.68	-5.44	.65	.65	.417					
		29.0	-109.36	644.62	-634.53	7.03	4.42	-9.43	-5.68	-16.51	1.00	1.00	.755					
301	401 04L-1	0.0	-35.51	12134.15	-1217.16	-4.56	-44.96	-1099.83	-.39	-19.08	1.87	1.87	.619					
		7.1	-35.46	7676.57	-349.49	-4.56	-34.78	-1099.83	-.39	-12.02	2.19	2.19	.395					
		14.2	-35.45	1858.27	417.41	-4.56	-76.22	-1099.83	-.39	-2.98	2.55	2.55	.109					
		21.4	-35.43	-5304.24	1234.70	-4.56	-41.04	-1099.83	-.39	-8.53	2.67	2.67	.285					
		28.5	-35.40	-13026.94	2051.99	-4.56	-102.46	-1099.83	-.39	-21.56	3.13	3.13	.697					
303	306 123-1	0.0	63.46	-425.47	112.16	7.29	.92	-20.29	3.30	7.77	.94	.94	.361					
		7.2	63.46	-245.23	316.84	2.81	2.25	-20.29	3.30	7.52	.54	.54	.353					
		14.5	63.47	-45.74	-347.73	-1.86	3.14	-20.29	3.30	6.16	.56	.56	.311					
		21.7	63.46	254.30	-1.46	5.94	-20.29	3.30	4.57	.91	.91	.259						
		29.0	63.46	598.72	608.08	-7.51	3.99	-20.29	3.30	15.02	1.06	1.06	.590					
303	403 04L-1	0.0	-16.62	11014.41	1105.36	4.72	-44.18	1746.81	-.14	-18.57	2.36	2.36	.595					
		7.1	-16.59	7427.14	-273.42	4.72	-59.00	1746.81	-.14	-11.63	2.68	2.68	.375					
		14.2	-16.56	1675.66	-556.52	4.72	-75.44	1746.81	-.14	-2.76	3.04	3.04	.094					
		21.4	-16.53	-5425.08	-1387.47	4.72	-90.31	1746.81	-.16	-8.76	3.36	3.36	.284					
		28.5	-16.50	-13077.81	-2214.41	4.72	-102.16	1746.81	-.14	-21.60	3.62	3.62	.693					

STRAN MEMBER DETAIL REPORT

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

LOAD CONDITION NO. 7

MEMBER NUMBER	GROUP AND SECTN	FROM EPU FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE		TORSION MX IN-KIPS	AXIAL STRESS			BENDING STRESS			SHEAR STRESS			COMB. UNIT CHECK	
						FY KIPS	FZ KIPS		FX /	FY /	FZ /	Y	Z	Y	Z	Y	Z		
300	400 DAL-1	0.0	-215.78	15025.62	-1372.98	-77.31	-10.68	301.75	-2.38	-23.40	1.95	1.95	2.07	2.37	2.07	2.37	1.95	1.95	.838
		7.1	-215.75	5259.62	-457.45	-82.74	-10.68	301.75	-2.38	-12.94	2.07	2.07	2.37	2.37	2.37	2.37	2.07	2.07	.500
		14.2	-215.72	602.52	454.04	-96.84	-10.68	301.75	-2.38	-1.18	2.37	2.37	2.70	2.70	2.70	2.70	2.37	2.37	.128
		21.4	-215.69	-8311.31	1367.52	-111.56	-10.68	301.75	-2.38	-13.18	2.70	2.70	2.96	2.96	2.96	2.96	2.70	2.70	.508
		28.5	-215.66	-18394.89	2261.19	-125.78	-10.68	301.75	-2.38	-29.00	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	1.008
401	501 JUL-1	0.0	-1027.56	3317.46	17892.98	56.16	-74.15	416.11	-7.40	-11.46	1.49	1.49	1.53	1.53	1.53	1.53	1.49	1.49	.620
		1.1	-1024.04	4266.50	16491.62	-81.37	-81.37	416.11	-7.40	-12.23	1.53	1.53	1.56	1.56	1.56	1.56	1.53	1.53	.645
		2.3	-1024.51	5075.24	20120.42	-83.55	-83.55	416.11	-7.41	-13.04	1.56	1.56	1.60	1.60	1.60	1.60	1.56	1.56	.670
		3.4	-1024.99	5916.14	21278.69	-85.64	-85.64	416.11	-7.41	-13.87	1.60	1.60	1.63	1.63	1.63	1.63	1.60	1.60	.697
		4.6	-1024.98	6755.85	22465.78	-87.76	-87.76	416.11	-7.41	-14.74	1.63	1.63	1.66	1.66	1.66	1.66	1.63	1.63	.724
431	510 PL-1	0.0	1032.96	6443.45	-4916.97	-8.89	-8.89	638.14	4.67	3.79	.28	.28	.28	.28	.28	.28	.28	.28	.282
		1.1	1032.24	6594.47	-4795.50	-8.89	-8.89	638.14	4.66	3.41	.28	.28	.28	.28	.28	.28	.28	.28	.283
		2.3	1031.51	6747.14	-4674.03	-8.89	-8.89	638.14	4.66	3.84	.28	.28	.28	.28	.28	.28	.28	.28	.284
		3.4	1030.78	6901.57	-4552.57	-8.89	-8.89	638.14	4.66	3.87	.28	.28	.28	.28	.28	.28	.28	.28	.285
		4.6	1030.04	7057.64	-4431.10	-8.89	-8.89	638.14	4.65	3.90	.28	.28	.28	.28	.28	.28	.28	.28	.285
433	503 JUL-1	0.0	-1101.96	3151.56	-17433.45	67.94	67.94	-73.07	-7.71	-11.44	1.79	1.79	1.83	1.83	1.83	1.83	1.79	1.79	.630
		1.1	-1102.45	4355.67	-14187.30	92.72	92.72	-73.07	-7.71	-12.36	1.83	1.83	1.86	1.86	1.86	1.86	1.83	1.83	.660
		2.3	-1102.91	5600.40	-20471.47	94.90	94.90	-73.07	-7.72	-13.33	1.86	1.86	1.90	1.90	1.90	1.90	1.86	1.86	.691
		3.4	-1103.34	6855.34	-21765.04	97.03	97.03	-73.07	-7.72	-14.35	1.90	1.90	1.93	1.93	1.93	1.93	1.90	1.90	.723
		4.6	-1103.45	8130.08	-23127.41	99.10	99.10	-73.07	-7.72	-15.40	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	.756
435	511 PL-1	0.0	1124.26	6477.73	4891.37	9.10	9.10	-334.22	5.09	3.99	.22	.22	.22	.22	.22	.22	.22	.22	.303
		1.1	1125.53	7149.11	4767.13	9.10	9.10	-334.22	5.09	4.02	.22	.22	.22	.22	.22	.22	.22	.22	.304
		2.3	1124.79	7322.14	4642.49	9.10	9.10	-334.22	5.08	4.06	.22	.22	.22	.22	.22	.22	.22	.22	.305
		3.4	1124.06	7496.92	4514.64	9.10	9.10	-334.22	5.08	4.09	.22	.22	.22	.22	.22	.22	.22	.22	.306
		4.6	1123.33	7673.55	4394.40	9.10	9.10	-334.22	5.08	4.14	.22	.22	.22	.22	.22	.22	.22	.22	.308
437	506 JUL-1	0.0	2345.36	-7506.08	2346.62	-10.57	-10.57	298.93	16.39	5.00	1.73	1.73	1.76	1.76	1.76	1.76	1.73	1.73	.729
		1.1	2342.86	-9194.40	2541.22	-10.57	-10.57	298.93	16.39	5.09	1.76	1.76	1.80	1.80	1.80	1.80	1.76	1.76	.760
		2.3	2342.41	-10858.44	2665.43	-10.57	-10.57	298.93	16.39	7.01	1.80	1.80	1.83	1.83	1.83	1.83	1.80	1.80	.792
		3.4	2341.94	-12517.74	2830.63	-10.57	-10.57	298.93	16.38	8.06	1.83	1.83	1.86	1.86	1.86	1.86	1.83	1.83	.825
		4.6	2341.46	-14231.65	2975.04	-10.57	-10.57	298.93	16.38	9.13	1.86	1.86	1.87	1.87	1.87	1.87	1.86	1.86	.859
438	512 PL-1	0.0	-2574.17	-13406.01	-146.24	-0.12	-0.12	373.66	-11.65	-6.27	.32	.32	.32	.32	.32	.32	.32	.32	.604
		1.1	-2574.90	-13089.12	-146.51	-0.12	-0.12	373.66	-11.65	-6.10	.32	.32	.32	.32	.32	.32	.32	.32	.599
		2.3	-2574.64	-12690.55	-142.94	-0.12	-0.12	373.66	-11.66	-5.94	.33	.33	.33	.33	.33	.33	.33	.33	.594
		3.4	-2580.37	-12330.30	-141.37	-0.12	-0.12	373.66	-11.66	-5.77	.33	.33	.33	.33	.33	.33	.33	.33	.588
		4.6	-2581.10	-11966.59	-140.74	-0.12	-0.12	373.66	-11.66	-5.60	.33	.33	.33	.33	.33	.33	.33	.33	.583
501	502 165-1	0.0	132.94	44.12	604.69	1.34	1.34	-230.67	4.40	5.43	1.14	1.14	1.30	1.30	1.30	1.30	1.14	1.14	.325
		3.4	132.94	15.49	663.70	3.99	3.99	-230.67	4.40	4.33	1.30	1.30	1.47	1.47	1.47	1.47	1.30	1.30	.290
		7.6	132.94	4.60	242.20	6.04	6.04	-230.67	4.40	2.17	1.47	1.47	1.65	1.65	1.65	1.65	1.47	1.47	.222
		11.4	132.94	11.45	119.79	11.45	11.45	-230.67	4.40	1.08	1.65	1.65	1.83	1.83	1.83	1.83	1.65	1.65	.197
		15.1	132.94	36.00	602.28	11.94	11.94	-230.67	4.40	5.40	1.83	1.83	2.00	2.00	2.00	2.00	1.83	1.83	.324

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MSL 93.0 FEET - 50 YR STORM

MEMBER NO.	MEMBER AND SECTN	MEMBER ID	PROJ END	PROJ FT.	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FY	SHEAR FZ	TORSION MX	AXIAL STRESS	BENDING Y	BENDING Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS	UNIT CHECK
					KIPS	IN-KIPS	IN-KIPS	KIPS	KIPS	IN-KIPS	/KSI						
501	504 1A5-1	0.0	314.11	-1066.14	674.05	4.55	-131.07	-10.40	-11.29	209.83	-7.27	-13.29	1.78	1.00	1.00	1.00	.720
		3.0	314.10	-650.04	448.83	5.81	-131.07	-10.40	-8.61	209.83	-7.28	-11.90	1.74	1.08	1.08	1.08	.630
		7.5	314.09	-618.27	164.23	5.29	-131.07	-10.40	-5.73	209.83	-7.28	-10.55	1.70	1.16	1.16	1.16	.558
		11.4	314.08	-359.88	-179.73	5.63	-131.07	-10.40	-3.68	209.83	-7.29	-9.24	1.66	1.25	1.25	1.25	.501
		15.2	314.07	-106.54	-503.07	5.96	-131.07	-10.40	-5.31	209.83	-7.29	-7.96	1.52	1.33	1.33	1.33	.549
501	601 JLS-1	0.0	-1059.72	6325.52	20105.75	-31.57	209.83	-7.27	-13.29	209.83	-7.27	-13.29	1.78	1.00	1.00	1.00	.674
		3.0	-1040.35	5786.29	16047.31	-29.74	209.83	-7.28	-11.90	209.83	-7.28	-11.90	1.74	1.08	1.08	1.08	.630
		7.5	-1040.99	5240.51	15957.32	-27.95	209.83	-7.28	-10.55	209.83	-7.28	-10.55	1.70	1.16	1.16	1.16	.587
		11.4	-1041.63	4745.91	15914.22	-25.19	209.83	-7.29	-9.24	209.83	-7.29	-9.24	1.66	1.25	1.25	1.25	.540
		15.2	-1042.26	4284.60	11916.52	-24.50	209.83	-7.29	-7.96	209.83	-7.29	-7.96	1.62	1.33	1.33	1.33	.506
501	642 2D0-1	0.0	11.31	263.24	-1646.54	-2.76	-235.18	.30	9.33	-235.18	.30	9.33	1.62	1.00	1.00	1.00	.306
		3.0	11.32	115.40	-681.53	-2.09	-235.18	.30	3.47	-235.18	.30	3.47	1.39	1.39	1.39	1.39	.133
		10.1	11.34	8.20	32.56	-1.44	-235.18	.30	.19	-235.18	.30	.19	1.18	1.18	1.18	1.18	.016
		15.2	11.36	-60.16	510.26	-0.81	-235.18	.30	2.48	-235.18	.30	2.48	.98	.98	.98	.98	.101
		20.2	11.38	-91.57	764.76	-0.22	-235.18	.30	4.31	-235.18	.30	4.31	.79	.79	.79	.79	.147
502	503 1A5-1	0.0	134.11	53.19	-495.59	-0.68	167.68	4.57	4.46	167.68	4.57	4.46	1.42	1.04	1.04	1.04	.300
		3.0	134.11	31.27	-49.19	-0.29	167.68	4.57	1.93	167.68	4.57	1.93	1.24	1.24	1.24	1.24	.189
		7.5	134.11	27.08	176.71	.10	167.68	4.57	1.50	167.68	4.57	1.50	1.07	1.07	1.07	1.07	.210
		11.4	134.11	40.63	332.11	.49	167.68	4.57	3.00	167.68	4.57	3.00	.89	.89	.89	.89	.254
		15.1	134.11	71.91	367.01	.88	167.68	4.57	3.35	167.68	4.57	3.35	.82	.82	.82	.82	.265
502	504 1A5-1	0.0	-4.90	-161.75	-29.03	.62	101.81	-0.46	-2.90	101.81	-0.46	-2.90	1.04	1.04	1.04	1.04	.109
		3.0	-4.90	-127.77	-61.89	.20	101.81	-0.46	-2.50	101.81	-0.46	-2.50	.99	.99	.99	.99	.097
		7.5	-4.91	-82.77	-46.93	.06	101.81	-0.46	-1.68	101.81	-0.46	-1.68	1.04	1.04	1.04	1.04	.071
		11.4	-4.91	-27.62	15.84	-1.91	101.81	-0.46	-1.56	101.81	-0.46	-1.56	1.14	1.14	1.14	1.14	.035
		15.1	-4.92	36.85	126.02	1.51	101.81	-0.46	-2.32	101.81	-0.46	-2.32	1.24	1.24	1.24	1.24	.091
502	505 1A5-1	0.0	-14.26	-144.53	-77.67	.79	-95.11	-0.95	-3.53	-95.11	-0.95	-3.53	1.04	1.04	1.04	1.04	.149
		3.0	-14.26	-102.73	-19.07	1.04	-95.11	-0.95	-2.54	-95.11	-0.95	-2.54	.97	.97	.97	.97	.117
		7.5	-14.27	-49.91	-4.26	.29	-95.11	-0.95	-1.59	-95.11	-0.95	-1.59	.97	.97	.97	.97	.087
		11.4	-14.27	-26.94	-45.30	1.49	-95.11	-0.95	-0.93	-95.11	-0.95	-0.93	1.05	1.05	1.05	1.05	.065
		15.1	-14.26	45.52	-150.13	1.69	-95.11	-0.95	-2.43	-95.11	-0.95	-2.43	1.14	1.14	1.14	1.14	.113
503	505 1A5-1	0.0	135.06	-920.56	-456.36	3.92	135.05	4.47	9.12	135.05	4.47	9.12	.87	.87	.87	.87	.444
		3.0	135.09	-733.49	-365.44	4.30	135.05	4.47	7.34	135.05	4.47	7.34	.93	.93	.93	.93	.388
		7.5	135.10	-529.75	-235.14	4.66	135.05	4.48	5.19	135.05	4.48	5.19	.99	.99	.99	.99	.320
		11.4	135.11	-309.99	-45.47	5.00	135.05	4.48	2.81	135.05	4.48	2.81	1.07	1.07	1.07	1.07	.245
		15.2	135.12	-75.04	203.57	5.33	135.05	4.48	1.94	135.05	4.48	1.94	1.15	1.15	1.15	1.15	.217
503	603 JLS-1	0.0	-754.48	6496.27	-20477.92	-59.23	-173.13	-5.31	-13.81	-173.13	-5.31	-13.81	1.94	1.94	1.94	1.94	.622
		3.0	-759.11	6149.50	-18553.53	-57.58	-173.13	-5.31	-12.29	-173.13	-5.31	-12.29	1.89	1.89	1.89	1.89	.574
		7.5	-759.75	5533.94	-16277.60	-55.58	-173.13	-5.32	-10.90	-173.13	-5.32	-10.90	1.85	1.85	1.85	1.85	.527
		11.4	-760.38	4900.65	-14044.55	-53.85	-173.13	-5.32	-9.35	-173.13	-5.32	-9.35	1.81	1.81	1.81	1.81	.481
		15.1	-761.02	4296.60	-11404.91	-52.16	-173.13	-5.32	-7.93	-173.13	-5.32	-7.93	1.77	1.77	1.77	1.77	.435

STWAM MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YK STURM

MEMBER NUMBER	GROUP NO.	SECTION	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	FX KIPS	SPREAD FORCE FY KIPS	MA KIPS	TORSION MA IN-KIPS	AXIAL STRESS Y / IN-SQ	BENDING STRESS Z / IN-SQ	SHEAR STRESS Y / IN-SQ	SHEAR STRESS Z / IN-SQ	CUM. STRESS CHECK
503	645	200-1	0.0	-554.05	-1478.44	472.19	7.22	10.36	116.05	-14.57	-9.64	.99	.99	.795	
			5.1	-554.02	-402.07	42.24	5.51	8.51	116.05	-14.57	-5.08	.86	.86	.692	
			10.1	-554.39	-430.07	-175.42	3.53	8.44	116.05	-14.57	-2.60	.74	.74	.621	
			15.2	-554.35	-58.04	-334.06	1.82	5.33	116.05	-14.57	-1.92	.62	.62	.601	
			20.2	-554.32	216.14	-549.41	.421	3.80	116.05	-14.57	-2.55	.53	.53	.614	
504	575	100-1	0.0	24.08	140.37	-89.00	-3.48	.32	-1.60	1.34	2.93	.36	.36	.141	
			3.4	24.09	130.04	21.71	-1.00	.15	-1.60	1.36	2.32	.16	.16	.121	
			7.8	24.08	120.12	57.93	.09	.05	-1.60	1.36	2.56	.09	.09	.122	
			11.4	24.08	134.65	-40.41	2.77	.24	-1.60	1.36	2.48	.30	.30	.126	
			15.1	24.08	149.57	-213.50	0.05	.02	-1.60	1.34	4.59	.52	.52	.193	
505	506	100-1	0.0	-337.35	-244.40	-307.60	-5.01	7.74	74.21	-11.17	-3.95	.97	.97	.539	
			3.8	-337.34	116.04	-142.44	-4.50	8.04	74.21	-11.17	-1.44	.94	.94	.673	
			7.6	-337.35	49.55	23.76	-3.01	8.50	74.21	-11.17	-4.39	.92	.92	.550	
			11.4	-337.34	675.64	151.37	0.50	8.50	74.21	-11.17	-7.91	.91	.91	.609	
			15.1	-337.34	1267.36	163.76	-0.55	8.75	74.21	-11.17	-11.06	.91	.91	.752	
505	506	100-1	0.0	104.07	-210.40	-139.60	0.32	7.44	-74.98	3.53	2.27	.55	.55	.194	
			3.4	104.08	133.74	-95.58	-1.02	7.73	-74.98	3.53	1.67	.58	.58	.159	
			7.2	104.08	441.04	7.46	-2.92	7.94	-74.98	3.53	4.40	.92	.92	.252	
			11.4	104.08	659.23	163.64	-4.20	8.21	-74.98	3.53	7.44	.97	.97	.371	
			15.1	104.07	1259.54	304.54	-5.44	8.34	-74.98	3.53	11.61	1.02	1.02	.690	
506	606	100-1	0.0	2011.56	-10275.36	2611.41	17.30	67.13	426.00	14.07	5.66	1.10	1.10	.721	
			1.5	2011.04	-9324.49	2295.74	17.30	63.90	426.00	14.07	5.46	1.06	1.06	.676	
			3.0	2010.31	-7843.44	1909.17	17.30	60.77	426.00	14.06	5.14	1.02	1.02	.652	
			4.7	2009.67	-6562.73	1604.55	17.30	57.73	426.00	14.04	4.84	.96	.96	.630	
			6.1	2009.03	-5536.65	1344.93	17.30	54.76	426.00	14.05	3.76	.94	.94	.602	
506	606	200-1	0.0	502.51	1627.93	1431.73	10.55	12.54	90.50	14.79	10.71	1.12	1.12	.654	
			5.1	502.53	913.40	493.47	8.23	10.27	90.50	14.79	5.75	.94	.94	.597	
			10.1	502.57	360.45	37.60	5.42	7.95	90.50	14.79	2.03	.76	.76	.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	.66	.66	.611	
506	707	100-1	0.0	1623.74	7074.51	-4307.61	-10.14	-3.71	64.91	4.05	3.40	.50	.50	.243	
			6.3	1623.75	4775.25	-3416.51	-10.14	-3.03	64.91	4.04	2.40	.49	.49	.250	
			12.7	1623.67	2517.76	-2054.52	-10.14	-2.35	64.91	4.02	1.78	.49	.49	.217	
			19.0	1617.59	312.67	-2074.73	-10.14	-2.67	64.91	4.00	.68	.48	.48	.191	
			25.3	1613.09	-1601.62	-1333.43	-10.14	-2.74	64.91	4.04	1.06	.48	.48	.193	
506	707	200-1	0.0	1123.05	7707.35	4507.64	10.67	3.51	64.91	5.08	4.16	.53	.53	.311	
			6.3	1117.64	6726.21	3551.54	10.67	3.23	64.91	5.06	2.76	.52	.52	.263	
			12.7	1111.93	1755.07	2755.15	10.67	2.55	64.91	5.04	1.54	.52	.52	.226	
			19.0	1107.82	-1779.07	1954.50	10.67	2.07	64.91	5.02	1.15	.51	.51	.236	
			25.3	1106.73	-3451.43	1162.45	10.67	1.90	64.91	5.01	1.00	.51	.51	.236	



STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 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		TORSION		AXIAL STRESS			BENDING STRESS			SHEAR STRESS			COMB. STRESS	CHECK
						FY KIPS	FZ KIPS	MX IN-KIPS	MZ IN-KIPS	FX /	FZ /	Y	Z	Y	Z	Y	Z	Y		
512	712 P1-1	0.0	-2580.96	-11948.39	-184.77	-112	55.95	396.34	-11.66	-5.60	1.60	.60	.583							
		5.3	-2567.04	-7688.13	-190.73	-112	56.63	396.34	-11.68	-3.60	.60	.60	.528							
		12.7	-2509.13	-3556.04	-171.64	-112	57.32	396.34	-11.70	-1.57	.61	.61	.472							
		19.0	-2543.22	1027.90	-162.65	-112	58.00	396.34	-11.72	-0.49	.62	.62	.443							
		25.3	-2547.31	5463.67	-153.60	-112	58.68	396.34	-11.74	-2.56	.62	.62	.501							
601	601 J10-1	0.0	-1051.21	4090.09	11594.68	87.40	-28.78	697.36	-7.35	-7.72	1.51	1.51	.500							
		1.5	-1051.65	3590.08	10021.55	85.91	-27.14	697.36	-7.36	-6.69	1.47	1.47	.468							
		3.0	-1052.48	3094.99	8491.34	82.69	-25.54	697.36	-7.36	-5.68	1.43	1.43	.436							
		4.6	-1053.12	2646.14	7002.87	80.44	-23.98	697.36	-7.37	-4.70	1.39	1.39	.405							
		6.1	-1053.75	2224.48	5559.91	78.26	-22.46	697.36	-7.37	-3.76	1.36	1.36	.376							
603	603 J10-1	0.0	-773.18	4094.72	-1157.97	-97.04	-36.92	-671.03	-5.39	-7.69	1.66	1.66	.431							
		1.5	-773.82	3440.95	-978.93	-94.64	-35.25	-671.03	-5.39	-6.52	1.62	1.62	.394							
		3.0	-771.95	2411.73	-682.92	-92.34	-33.68	-671.03	-5.40	-5.38	1.59	1.59	.355							
		4.6	-772.09	2211.36	-641.13	-90.09	-32.12	-671.03	-5.40	-4.26	1.55	1.55	.323							
		6.1	-772.72	1839.12	-4794.17	-87.90	-30.60	-671.03	-5.41	-3.18	1.51	1.51	.289							
607	607 J10-1	0.0	2009.20	-5636.05	1347.54	17.50	46.27	431.17	14.06	3.76	.85	.85	.608							
		1.5	2009.57	-6461.64	1031.75	17.50	45.40	431.17	14.05	3.20	.82	.82	.590							
		3.0	2007.63	-4176.61	715.96	17.50	42.62	431.17	14.05	2.66	.78	.78	.573							
		4.6	2007.29	-3425.50	400.17	17.50	39.91	431.17	14.04	2.17	.74	.74	.557							
		6.1	2006.68	-2721.59	80.58	17.50	37.29	431.17	14.04	1.71	.71	.71	.543							
601	601 J10-1	0.0	-1053.75	2224.48	5559.91	78.26	-22.46	697.36	-7.37	-3.76	1.36	1.36	.376							
		1.5	-1054.38	1834.93	4154.75	75.20	-20.27	697.36	-7.38	-2.85	1.31	1.31	.347							
		3.0	-1055.02	1464.24	2809.51	72.24	-18.14	697.36	-7.34	-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	-0.59	1.17	1.17	.276							
602	703 200-1	0.0	11.58	-91.33	784.43	-2.42	.22	-235.31	.30	4.31	.79	.79	.147							
		5.5	11.53	-82.59	740.08	3.10	.47	-235.31	.30	4.17	.82	.82	.142							
		11.0	11.48	-74.78	363.17	6.30	1.13	-235.31	.30	2.04	1.10	1.10	.075							
		16.4	11.52	-65.55	-344.37	13.22	1.77	-235.31	.30	1.97	1.36	1.36	.073							
		21.9	11.56	-201.06	-1369.62	17.94	2.37	-235.31	.30	7.75	1.60	1.60	.256							
603	603 J10-1	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	-3214.01	-84.85	-28.41	-671.03	-5.41	-2.14	1.46	1.46	.256							
		3.0	-773.99	601.80	-1694.76	-81.68	-26.28	-671.03	-5.41	-1.13	1.41	1.41	.224							
		4.6	-774.63	141.55	-224.80	-74.00	-24.19	-671.03	-5.42	-0.17	1.37	1.37	.195							
		6.1	-775.25	-291.59	1167.29	-70.20	-22.17	-671.03	-5.42	-0.77	1.32	1.32	.173							
604	701 200-1	0.0	562.65	-333.30	-431.57	1.72	-3.69	90.30	-14.79	3.05	.47	.47	.611							
		5.5	562.68	-471.23	-443.34	-1.53	-5.53	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	104.70	-6.95	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	.601							

STRAN MEMBER DETAIL REPORT

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

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE		TORSION MX IN-KIPS	AXIAL STRESS		BENDING STRESS		SHEAR STRESS		COMB. STRESS UNITY
						FZ KIPS	FXI KIPS		Y	Z	Y	Z	Y	Z	
645	700 200-1	0.0	-554.32	210.10	-399.44	0.04	3.74	110.03	-14.57	-2.55	.52	.52	.52	.625	
		5.5	-554.28	370.51	-320.53	-2.41	1.10	110.03	-14.57	-2.70	.47	.47	.47	.631	
		11.0	-554.23	375.21	-85.85	-4.70	-1.30	110.03	-14.57	-2.14	.58	.58	.58	.613	
		16.4	-554.19	211.04	290.74	-6.65	-3.61	110.03	-14.57	-2.03	.73	.73	.73	.609	
		21.9	-554.10	99.50	811.84	-0.04	-5.81	110.03	-14.57	-0.58	.88	.88	.88	.683	
646	650 JLO-1	0.0	2004.59	-2721.09	05.00	17.30	40.54	431.03	14.04	1.71	.75	.75	.75	.543	
		1.5	2005.90	-2010.00	-230.62	17.50	30.40	431.03	14.03	1.28	.70	.70	.70	.529	
		3.0	2005.52	-1349.00	-546.53	17.50	32.40	431.03	14.03	.94	.65	.65	.65	.518	
		4.6	2004.69	-832.82	-862.03	17.50	24.54	431.03	14.02	.75	.60	.60	.60	.512	
		6.1	2004.05	-345.71	-1177.73	17.50	24.02	431.03	14.02	.77	.56	.56	.56	.512	
651	701 JLO-1	0.0	-1113.01	649.90	677.01	20.21	-15.80	1419.08	-7.79	-0.68	.81	.81	.81	.293	
		1.4	-1113.74	530.56	200.70	17.03	-13.50	1419.08	-7.79	-0.38	.75	.75	.75	.240	
		3.5	-1114.00	271.51	-44.98	13.94	-11.35	1419.08	-7.80	-0.17	.70	.70	.70	.279	
		5.3	-1115.22	52.74	-314.59	10.99	-9.19	1419.08	-7.80	-0.20	.65	.65	.65	.280	
		7.1	-1115.90	-120.04	-517.67	0.12	-7.10	1419.08	-7.81	-0.33	.60	.60	.60	.294	
653	703 JLO-1	0.0	-425.24	-253.75	804.23	-30.36	-23.51	-1385.51	-5.77	-0.53	.97	.97	.97	.218	
		1.4	-425.97	-729.71	1420.92	-27.19	-21.21	-1385.51	-5.78	-1.00	.92	.92	.92	.233	
		3.5	-425.71	-1157.50	1905.50	-24.11	-18.94	-1385.51	-5.78	-1.43	.86	.86	.86	.247	
		5.3	-427.45	-1330.01	2448.00	-21.14	-16.83	-1385.51	-5.79	-1.82	.81	.81	.81	.259	
		7.1	-428.19	-1674.54	2097.49	-18.27	-14.74	-1385.51	-5.79	-2.15	.76	.76	.76	.270	
650	700 JLO-1	0.0	2004.00	-305.71	-1177.93	17.50	23.84	430.49	14.02	.77	.55	.55	.55	.512	
		1.8	2003.32	116.97	-1544.20	17.50	19.59	430.49	14.01	.97	.50	.50	.50	.519	
		3.5	2002.50	449.40	-1914.63	17.50	15.41	430.49	14.01	1.24	.46	.46	.46	.527	
		5.3	2001.83	774.13	-2282.90	17.50	11.35	430.49	14.00	1.51	.42	.42	.42	.535	
		7.1	2001.00	973.79	-2651.33	17.50	7.02	430.49	14.00	1.77	.40	.40	.40	.543	
701	702 157-1	0.0	44.95	104.05	-75.27	-4.52	-1.10	-7.06	3.56	2.93	.70	.70	.70	.210	
		4.7	44.95	45.27	95.45	-1.74	-0.99	-7.06	3.56	2.41	.36	.36	.36	.193	
		9.4	44.95	-7.41	121.00	0.04	-0.88	-7.06	3.56	2.77	.26	.26	.26	.204	
		14.1	44.95	-54.02	1.37	3.42	-0.77	-7.06	3.56	1.23	.57	.57	.57	.156	
		18.4	44.95	-94.50	-203.43	5.99	-0.67	-7.06	3.56	0.39	.92	.92	.92	.319	
701	704 157-1	0.0	-7.37	20.65	60.47	-1.31	-0.70	-14.34	-0.51	-1.54	.37	.37	.37	.074	
		4.7	-7.38	-7.08	97.87	-0.01	-0.60	-14.34	-0.51	-2.24	.25	.25	.25	.096	
		9.4	-7.39	-39.00	62.07	1.28	-0.51	-14.34	-0.51	-1.67	.35	.35	.35	.078	
		14.1	-7.41	-65.50	-45.94	2.56	-0.43	-14.34	-0.51	-1.82	.52	.52	.52	.083	
		18.4	-7.44	-87.04	-225.59	3.82	-0.30	-14.34	-0.51	-5.12	.69	.69	.69	.200	
701	601 JL7-1	0.0	-520.00	-510.01	-523.33	22.35	-10.84	403.40	-7.47	-0.93	.98	.98	.98	.298	
		0.6	-520.50	-1102.25	-1904.12	12.85	-4.04	403.40	-7.49	-2.80	.66	.66	.66	.350	
		13.2	-530.74	-1142.52	-2501.45	4.33	1.96	403.40	-7.51	-3.61	.42	.42	.42	.376	
		19.4	-532.11	-607.93	-2615.10	-3.55	7.41	403.40	-7.53	-3.48	.51	.51	.51	.372	
		25.4	-533.47	-23.50	-2071.71	-10.24	12.35	403.40	-7.55	-2.43	.74	.74	.74	.347	

STWAN MEMBER DETAIL REPORT

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LOAD CONDITION NO. 7 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - HNL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END	FORCE		MOMENT MY	TORSION IN-KIPS	SHEAR FORCE FY	AXIAL STRESS /KSI	BENDING STRESS			SHEAR STRESS			COMB. UNITY CHECK
			FX	FZ					MAX	MIN	Y	Z	Y	Z	
701	606 200-1	0.0	-461.14	-440.04	-816.37	7.94	8.88	-12.12	-5.19	.59	.59	.745			
		12.2	-461.04	306.66	-74.76	4.27	8.88	-12.12	1.77	.30	.30	.616			
		21.4	-460.94	442.32	44.44	.88	8.88	-12.12	-3.53	.10	.10	.682			
		32.0	-460.96	24.56	342.13	-2.31	8.88	-12.12	1.92	.29	.29	.621			
		42.8	-460.94	-872.99	-216.93	7.70	8.88	-12.12	-5.03	.52	.52	.739			
702	705 157-1	0.0	44.50	-273.62	-90.20	.56	.24	3.33	6.56	.86	.86	.324			
		4.7	44.50	4.02	-54.29	.69	.24	3.33	1.24	.51	.51	.155			
		7.4	44.50	135.47	-12.31	.80	.24	3.33	3.13	.19	.19	.215			
		14.1	44.50	123.76	35.75	.91	.24	3.33	2.94	.25	.25	.209			
		16.8	44.50	-34.14	89.67	1.02	.24	3.33	2.19	.58	.58	.185			
702	704 127-1	0.0	-4.45	100.34	1.03	.63	6.56	.74	-3.36	.54	.54	.136			
		4.7	-4.44	-6.01	-23.97	.26	6.56	.74	.83	.34	.34	.056			
		9.4	-4.44	-48.49	-28.52	.19	6.56	.74	-1.88	.15	.15	.090			
		14.1	-4.43	-27.11	-13.25	.44	6.56	.74	-1.01	.29	.29	.062			
		16.8	-4.43	54.12	21.15	.74	6.56	.74	-2.07	.48	.48	.096			
702	705 127-1	0.0	-4.06	-90.16	-4.03	.62	-4.45	.68	-3.02	.49	.49	.123			
		4.7	-4.06	12.45	-20.51	.25	-4.45	.68	-1.05	.29	.29	.061			
		9.4	-4.05	52.00	-32.54	.11	-4.45	.68	-2.05	.10	.10	.092			
		14.1	-4.05	27.28	-16.76	.45	-4.45	.68	-1.07	.26	.26	.061			
		16.8	-4.04	-61.29	18.16	.79	-4.45	.68	-2.14	.46	.46	.095			
703	705 157-1	0.0	-22.58	-109.00	33.56	.64	13.81	-1.55	-2.60	.32	.32	.160			
		4.7	-22.58	-124.82	-2.29	.54	13.81	-1.55	-2.89	.25	.25	.169			
		9.4	-22.60	-71.45	-32.72	.50	13.81	-1.55	-1.79	.39	.39	.134			
		14.1	-22.62	55.94	-58.41	.42	13.81	-1.55	-1.45	.56	.56	.136			
		16.8	-22.65	254.97	-40.00	.35	13.81	-1.55	-6.10	.73	.73	.270			
703	601 200-1	0.0	-14.43	1404.20	16.77	-1.54	-7.92	.39	-7.48	.96	.96	.267			
		12.2	-14.73	-474.51	-129.34	.43	-7.92	.39	-2.77	.46	.46	.105			
		24.4	-14.64	-1047.61	-116.64	.59	-7.92	.39	-5.90	.06	.06	.204			
		36.6	-14.64	420.77	37.57	1.50	-7.92	.39	-2.36	.46	.46	.092			
		42.8	-14.57	1244.41	318.84	2.32	-7.92	.39	-7.46	.83	.83	.254			
703	603 JL7-1	0.0	-412.70	2390.91	-1543.51	-8.13	7.73	-11.50	-3.62	.50	.50	.519			
		6.6	-414.06	3244.43	-1915.17	-1.39	7.73	-11.52	-4.79	.18	.18	.553			
		13.2	-415.43	3390.76	-1781.26	4.67	7.73	-11.50	-4.87	.15	.15	.556			
		19.8	-416.41	2495.47	-1192.89	10.12	7.73	-11.56	-3.98	.41	.41	.531			
		26.4	-414.17	1823.11	-194.24	15.06	7.73	-11.57	-2.33	.65	.65	.447			
704	705 127-1	0.0	16.79	-154.26	19.01	.65	-1.73	-1.41	5.36	.41	.41	.219			
		4.7	16.79	35.81	-6.00	.33	-1.73	-1.41	1.23	.42	.42	.058			
		9.4	16.79	101.57	-17.75	.00	-1.73	-1.41	3.45	.03	.03	.158			
		14.1	16.79	57.98	-6.34	.33	-1.73	-1.41	1.30	.42	.42	.090			
		16.8	16.79	-154.94	19.44	.66	-1.73	-1.41	5.22	.41	.41	.214			

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YH STURM

MEMBER NUMBER	GROUP AND SECTN	MEMBER NO.	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	SHEAR STRESS Y	SHEAR STRESS Z	CUMB. STRESS UNIT	CHECK
704	700 137- 1	0.0	-24.05	-90.75	-8.19	-1.80	1.07	24.56	-1.79	-2.08		.57		.155	
		4.7	-24.07	-29.13	57.57	.54	1.12	24.56	-1.79	-1.47		.45		.136	
		9.4	-24.10	34.59	53.23	.89	1.14	24.56	-1.79	-1.45		.46		.135	
		14.1	-24.12	99.11	-20.32	1.92	1.15	24.56	-1.79	-2.31		.59		.162	
		18.8	-24.13	163.09	-162.17	3.12	1.12	24.56	-1.79	-5.25		.74		.255	
705	700 137- 1	0.0	-40.48	-85.99	34.74	2.18	1.09	-20.08	-2.80	-2.15		.56		.208	
		4.7	-40.91	-22.95	-44.54	.93	1.14	-20.08	-2.81	-1.23		.43		.179	
		9.4	-40.93	42.17	-65.72	.51	1.17	-20.08	-2.81	-1.78		.40		.196	
		14.1	-40.95	108.10	-13.88	-1.53	1.17	-20.08	-2.81	-2.49		.49		.219	
		18.8	-40.96	173.99	105.86	-2.74	1.15	-20.08	-2.81	-4.65		.64		.287	
706	803 200- 1	0.0	473.60	1210.14	-1036.80	-10.84	-10.60	.73	12.45	8.92		.79		.719	
		12.2	473.67	-2.00	142.51	-5.52	-5.95	.73	12.45	.80		.43		.459	
		24.4	473.73	-535.59	597.08	-7.6	-1.34	.73	12.45	4.49		.09		.575	
		36.6	473.79	-430.10	383.67	3.53	2.76	.73	12.45	3.24		.24		.535	
		48.8	473.90	253.39	-413.50	7.38	6.51	.73	12.46	2.72		.52		.520	
708	806 JL7- 1	0.0	1394.18	2256.28	-1755.50	-6.42	16.78	-200.69	19.78	3.63		.64		.804	
		6.6	1394.62	3038.58	-1244.12	-6.42	3.71	-200.69	19.76	4.20		.34		.821	
		13.2	1395.08	2873.41	-740.73	-6.42	-8.22	-200.69	19.74	3.77		.42		.807	
		19.8	1394.10	1783.91	-233.35	-6.42	-19.14	-200.69	19.72	2.29		.70		.759	
		26.4	1392.74	-139.43	274.93	-6.42	-29.32	-200.69	19.70	.39		.98		.698	
710	810 42- 1	0.0	1013.60	-1843.45	-1300.88	-9.84	-4.86	985.93	4.03	.94		.29		.170	
		6.6	1004.77	-2196.45	-519.30	-9.84	-4.08	985.93	4.01	.94		.29		.169	
		13.2	1003.44	-2485.52	262.29	-9.84	-3.25	985.93	3.99	1.04		.29		.172	
		19.8	999.11	-2710.55	1043.87	-9.84	-2.45	985.93	3.98	1.21		.29		.177	
		26.4	994.28	-2872.14	1825.46	-9.84	-1.64	985.93	3.96	1.42		.29		.183	
711	811 42- 1	0.0	1105.88	-3963.31	1152.53	10.21	-5.28	-50.84	4.40	1.70		.10		.207	
		6.6	1102.85	-4249.21	345.42	10.21	-4.48	-50.84	4.38	1.79		.10		.209	
		13.2	1097.22	-4611.47	-461.49	10.21	-3.67	-50.84	4.37	1.93		.10		.213	
		19.8	1092.39	-4870.09	-1264.80	10.21	-2.87	-50.84	4.35	2.10		.10		.218	
		26.4	1087.58	-5065.07	-2075.89	10.21	-2.06	-50.84	4.33	2.28		.09		.223	
712	812 42- 1	0.0	-2597.53	5483.07	-150.93	-1.12	6.48	-247.76	-10.34	-2.28		.10		.443	
		6.6	-2592.38	6007.64	-141.53	-1.12	7.26	-247.76	-10.35	-2.50		.11		.450	
		13.2	-2607.19	6615.21	-132.13	-1.12	8.09	-247.76	-10.37	-2.76		.12		.458	
		19.8	-2612.02	7268.54	-122.72	-1.12	8.89	-247.76	-10.39	-3.04		.12		.466	
		26.4	-2616.85	8021.15	-113.32	-1.12	9.69	-247.76	-10.41	-3.34		.13		.475	
801	802 160- 1	0.0	44.58	41.91	-10.38	-3.16	-7.1	-7.28	3.06	1.88		.53		.166	
		5.6	44.58	36.28	132.68	-1.04	-6.4	-7.28	3.06	3.14		.25		.256	
		11.3	44.58	-4.42	135.07	1.01	-5.7	-7.28	3.06	3.08		.24		.204	
		17.9	44.58	-40.17	-3.13	3.09	-4.9	-7.28	3.06	.92		.51		.335	
		24.5	44.58	-70.94	-281.94	5.17	-4.2	-7.28	3.06	4.64		.79		.316	

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 U.S. NAVY - ACMH PLATFORMS - PLATFORM NO. 2 - M4L 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 FY KIPS	TORSION MX IN-KIPS	AXIAL STRESS Y	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	CUMB. STRESS UNIT	CHECK
801	804 100- 1	0.0	-54.07	-9.48	118.19	-0.69	-20.49	-3.71	-2.70	.34	.34	.299	
		5.0	-54.06	-30.71	129.81	.34	-20.49	-3.71	-3.04	.30	.30	.299	
		11.3	-54.05	-49.01	71.66	1.34	-20.49	-3.71	-1.97	.43	.43	.271	
		16.9	-54.04	-60.30	-56.27	2.41	-20.49	-3.71	-1.88	.57	.57	.270	
		22.5	-54.03	-67.78	-253.67	3.44	-20.49	-3.71	-6.00	.71	.71	.383	
801	901 JLO- 1	0.0	-544.54	404.75	-1847.72	3.10	-194.09	-7.70	-2.46	.50	.50	.349	
		5.0	-546.01	-480.13	-1477.23	-3.43	-194.09	-7.72	-2.46	.38	.38	.350	
		13.7	-547.43	-680.24	-1344.00	-9.34	-194.09	-7.74	-2.12	.41	.41	.341	
		20.5	-548.82	-1154.74	-350.15	-14.05	-194.09	-7.76	-1.55	.54	.54	.326	
		27.4	-550.19	-1004.13	1080.35	-19.42	-194.09	-7.78	-1.91	.69	.69	.337	
801	903 200- 1	0.0	-5.25	94.76	-1125.10	-13.39	-34.16	-1.14	-6.32	.40	.40	.207	
		14.0	-5.19	-51.06	494.40	-6.02	-34.16	-1.14	-2.78	.41	.41	.095	
		26.0	-5.10	-45.24	930.22	.74	-34.16	-1.14	-5.23	.13	.13	.172	
		41.9	-5.14	-24.08	276.37	6.48	-34.16	-1.14	-1.55	.46	.46	.056	
		55.9	-5.06	115.75	-1385.41	12.77	-34.16	-1.13	-7.78	.77	.77	.253	
802	803 100- 1	0.0	44.42	-75.03	-271.73	-5.06	16.00	3.07	6.44	.49	.49	.311	
		5.0	44.62	-42.22	-13.13	-2.98	16.00	3.07	1.96	.60	.60	.136	
		11.3	44.42	-3.74	130.86	-4.0	16.00	3.07	2.99	.34	.34	.202	
		16.9	44.42	34.72	121.25	1.18	16.00	3.07	2.91	.38	.38	.199	
		22.5	44.42	48.11	-24.96	3.27	16.00	3.07	2.12	.65	.65	.174	
802	804 100- 1	0.0	-4.80	-10.70	64.77	1.92	9.38	-0.57	-2.92	.49	.49	.117	
		5.0	-6.40	-30.74	-12.37	1.01	9.38	-0.57	-1.11	.33	.33	.050	
		11.3	-6.79	-32.62	-50.19	.11	9.38	-0.57	-2.01	.16	.16	.088	
		16.9	-6.79	-17.74	-26.59	-0.80	9.38	-0.57	-1.07	.30	.30	.058	
		22.5	-6.79	13.51	54.12	-1.71	9.38	-0.57	-2.00	.46	.46	.088	
802	805 100- 1	0.0	-7.26	-4.78	-96.97	-1.94	-11.57	-0.61	-3.25	.53	.53	.129	
		5.0	-7.25	-25.46	4.83	-1.05	-11.57	-0.61	-0.87	.37	.37	.054	
		11.3	-7.25	-28.08	45.32	-0.15	-11.57	-0.61	-1.78	.22	.22	.083	
		16.9	-7.24	-13.58	24.44	.76	-11.57	-0.61	-0.94	.33	.33	.056	
		22.5	-7.24	17.08	-57.46	1.67	-11.57	-0.61	-2.01	.49	.49	.090	
803	805 100- 1	0.0	19.94	-17.20	-101.16	.65	17.99	1.37	2.34	.33	.33	.122	
		5.0	20.00	-39.94	-123.43	-0.19	17.99	1.37	2.96	.25	.25	.141	
		11.3	20.01	-57.75	-75.92	-1.22	17.99	1.37	2.16	.38	.38	.117	
		16.9	20.02	-70.02	41.36	-2.25	17.99	1.37	1.47	.52	.52	.107	
		22.5	20.03	-78.54	224.44	-3.29	17.99	1.37	5.51	.66	.66	.222	
803	903 JLO- 1	0.0	-350.92	-734.34	2103.30	2.48	115.03	-4.96	-2.91	.23	.23	.265	
		6.4	-352.33	-454.04	1685.48	4.02	115.03	-4.98	-2.46	.33	.33	.251	
		13.7	-353.75	-650.20	698.76	14.97	115.03	-5.00	-1.36	.51	.51	.220	
		20.5	-355.14	-532.17	-758.06	20.44	115.03	-5.02	-1.05	.69	.69	.212	
		27.4	-356.52	405.07	-2647.44	25.51	115.03	-5.04	-3.41	.86	.86	.244	

STRAN MEMBER DETAIL REPORT

U.S. NAVY - ACHH PLATFORMS - PLATFORM NO. 2 - HML 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP AND SECTN	FROM ELEV	TO ELEV	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FY KIPS	SHEAR FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS Y /	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS UNIT	CHECK
803	406 200-1	0.0	424.30	-462.00	271.91		5.62	6.38	34.46	-11.26	-5.60	.54		.776	
		14.0	420.10	-110.04	-377.20		2.15	5.80	34.46	-11.26	-2.20	.33		.635	
		25.0	424.11	316.39	-465.23		-1.07	1.30	34.46	-11.25	-3.15	.19		.675	
		41.9	424.08	331.72	-51.51		-4.06	-1.11	34.46	-11.25	-1.86	.32		.621	
		55.9	424.01	-51.67	882.11		-6.78	-3.40	34.46	-11.25	-4.94	.50		.749	
804	805 100-1	0.0	13.94	25.94	-148.85		-3.68	-.46	2.19	1.18	5.05	.66		.201	
		5.6	13.94	1.64	37.05		-1.82	-.23	2.19	1.18	1.24	.35		.080	
		11.3	13.94	-6.51	97.43		.04	-.01	2.19	1.18	3.27	.04		.144	
		16.9	13.94	.51	36.24		1.69	.22	2.19	1.18	1.08	.36		.075	
		22.5	13.94	22.75	-158.37		3.75	.44	2.19	1.18	5.35	.67		.210	
804	805 100-1	0.0	-67.04	-53.54	-47.00		-1.78	.96	16.49	-4.74	-2.19	.47		.345	
		5.6	-69.06	-16.39	34.33		-1.76	1.02	16.49	-4.74	-.95	.36		.299	
		11.3	-67.04	53.56	-55.56		.24	1.05	16.49	-4.74	-1.77	.34		.327	
		16.9	-69.09	125.23	6.22		1.22	1.06	16.49	-4.74	-2.86	.41		.372	
		22.5	-67.07	195.85	-104.64		2.18	1.03	16.49	-4.74	-5.11	.52		.443	
805	806 100-1	0.0	4.72	-49.50	12.42		1.53	.93	-23.33	.32	2.06	.51		.077	
		5.6	4.73	-24.56	-59.44		.51	.94	-23.33	.32	1.40	.42		.056	
		11.3	4.72	43.41	-57.14		-4.49	1.02	-23.33	.32	1.64	.42		.063	
		16.9	4.71	112.52	6.64		-1.46	1.02	-23.33	.32	2.58	.51		.093	
		22.5	4.73	180.67	139.97		-2.42	1.00	-23.33	.32	5.22	.63		.176	
806	901 200-1	0.0	430.96	1141.94	922.98		8.24	-7.90	6.25	11.33	8.30	.62		.657	
		14.0	431.04	110.03	-121.00		4.23	-4.56	6.25	11.33	.95	.34		.424	
		24.0	431.14	-374.61	-506.58		.41	-1.56	6.25	11.33	3.53	.09		.506	
		41.9	431.21	-351.32	-279.04		-3.07	1.60	6.25	11.33	2.51	.20		.474	
		55.9	431.31	146.24	507.30		-6.25	4.32	6.25	11.33	2.96	.42		.498	
806	906 JLD-1	0.0	921.02	1026.58	-532.61		-6.68	13.84	326.40	13.07	1.47	.64		.502	
		6.4	922.23	1743.36	15.64		-6.68	4.12	326.40	13.05	2.24	.43		.525	
		13.7	921.23	1723.24	503.84		-6.68	-5.00	326.40	13.03	2.31	.44		.527	
		20.5	919.43	950.33	1112.14		-6.68	-13.54	326.40	13.01	1.86	.64		.512	
		27.4	914.43	-407.54	1600.39		-6.68	-21.75	326.40	12.99	2.20	.85		.522	
810	910 P2-1	0.0	940.37	-2075.31	1627.29		-10.04	18.22	-335.10	3.46	1.42	.24		.183	
		6.4	939.35	-1344.53	2651.67		-10.04	19.06	-335.10	3.44	1.24	.24		.176	
		13.7	904.34	254.94	3476.04		-10.04	14.90	-335.10	3.92	1.45	.25		.182	
		20.5	910.32	1923.08	4300.42		-10.04	20.73	-335.10	3.90	1.96	.25		.198	
		27.4	914.31	3659.40	5124.79		-10.04	21.57	-335.10	3.88	2.62	.26		.210	
811	911 P2-1	0.0	1067.74	-5067.47	-2071.33		10.32	39.50	407.61	4.33	2.28	.41		.223	
		6.4	1062.72	-1749.05	-2918.75		10.32	40.34	407.61	4.31	1.43	.42		.195	
		13.7	1077.71	1597.34	-3766.17		10.32	41.18	407.61	4.29	1.70	.42		.203	
		20.5	1072.69	4973.01	-4613.60		10.32	42.01	407.61	4.27	2.83	.43		.230	
		27.4	1057.68	4457.34	-5461.02		10.32	42.85	407.61	4.25	4.20	.44		.281	

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 U.S. NAVY - ADMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	PRUM END	FT.	FORCE FX	MOMENT MY	MOMENT MZ	FX KIPS	FY KIPS	FZ KIPS	TORSION MX	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	SHEAR STRESS	SHEAR STRESS	COMB. STRESS	UNIT CHECK
912	912 P2=1	0.0	26.4	-2617.18	8021.15	-117.60	-0.12	-56.06	626.50	-10.41	-3.34	.59	.59	.476			
		6.8	26.4	-2622.19	3287.74	-107.83	-0.12	-57.22	626.50	-10.43	-1.37	.59	.59	.423			
		13.7	26.4	-2627.21	-1377.03	88.07	-0.12	-56.39	626.50	-10.45	.58	.58	.58	.401			
		20.5	26.4	-2632.22	-5973.16	-88.30	-0.12	-55.55	626.50	-10.47	-2.49	.57	.57	.455			
		27.4	26.4	-2637.24	-10500.65	-78.54	-0.12	-54.72	626.50	-10.49	-4.38	.57	.57	.508			
901	902 189=1	0.0	26.4	-41.54	65.04	22.29	-2.93	-0.56	19.15	-1.96	-1.00	.42	.42	.153			
		6.8	26.4	-41.54	25.12	176.02	-0.95	-0.47	19.15	-1.96	-2.57	.24	.24	.202			
		13.2	26.4	-41.54	-0.06	172.82	1.03	-0.37	19.15	-1.96	-2.50	.24	.24	.200			
		19.8	26.4	-41.54	-33.93	12.68	3.01	-0.28	19.15	-1.96	-0.52	.42	.42	.137			
		26.4	26.4	-41.54	-52.47	-30.40	4.99	-0.19	19.15	-1.96	-0.47	.61	.61	.262			
901	904 189=1	0.0	26.4	-130.05	-67.39	165.44	-0.45	-0.17	17.19	-0.13	-2.58	.17	.17	.459			
		6.8	26.4	-131.02	-77.56	162.55	0.52	-0.08	17.19	-0.13	-2.60	.17	.17	.461			
		13.2	26.4	-129.99	-80.01	62.46	1.50	0.01	17.19	-0.13	-1.66	.27	.27	.437			
		19.8	26.4	-129.97	-75.33	-74.84	2.47	0.11	17.19	-0.13	-1.54	.36	.36	.433			
		26.4	26.4	-129.94	-63.33	-309.35	3.45	0.20	17.19	-0.13	-0.57	.45	.45	.515			
901	1001 J19=1	0.0	27.4	-58.65	-1245.12	954.30	10.72	0.12	-284.71	-0.03	-2.04	.48	.48	.095			
		6.8	27.4	-60.03	-1141.82	269.71	6.01	3.32	-284.71	-0.05	-1.49	.38	.38	.076			
		13.7	27.4	-61.45	-740.45	-42.45	1.68	6.25	-284.71	-0.07	-0.95	.36	.36	.062			
		20.5	27.4	-62.85	-127.30	-22.00	-1.98	8.71	-284.71	-0.09	-0.16	.43	.43	.038			
		27.4	27.4	-64.25	641.30	214.17	-3.26	9.72	-284.71	-0.11	-0.86	.47	.47	.060			
901	1002 160=1	0.0	26.4	9.45	50.59	-254.20	-5.21	-0.72	32.58	.31	2.15	.49	.49	.079			
		6.8	26.4	9.36	-6.74	102.57	-2.17	-0.34	32.58	.31	1.64	.29	.29	.063			
		13.9	26.4	9.26	-20.55	263.91	0.69	-0.02	32.58	.31	2.38	.19	.19	.086			
		20.4	26.4	9.18	-16.43	40.56	3.13	.22	32.58	.30	3.39	.35	.35	.023			
		27.4	26.4	9.10	18.21	-389.79	4.17	.37	32.58	.30	3.49	.42	.42	.121			
901	1004 160=1	0.0	26.4	-432.19	-273.58	-53.05	-2.31	3.27	-25.92	-14.32	-2.50	.38	.38	.741			
		6.8	26.4	-432.26	-4.10	133.49	-1.00	1.46	-25.92	-14.32	-1.20	.23	.23	.690			
		13.9	26.4	-432.33	64.31	176.60	0.22	-0.25	-25.92	-14.32	-1.68	.14	.14	.709			
		20.4	26.4	-432.42	-54.46	88.97	1.28	-1.77	-25.92	-14.32	-0.93	.26	.26	.680			
		27.4	26.4	-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	26.4	-40.78	-51.50	-274.49	-4.05	0.15	18.22	-1.92	-4.04	.57	.57	.247			
		6.8	26.4	-40.78	-37.53	151.27	-2.07	0.22	18.22	-1.92	-2.59	.38	.38	.137			
		13.2	26.4	-40.78	-16.23	144.10	0.09	0.32	18.22	-1.92	-2.16	.20	.20	.197			
		19.8	26.4	-40.78	12.39	124.00	1.29	0.41	18.22	-1.92	-1.80	.26	.26	.176			
		26.4	26.4	-40.78	49.33	-57.04	3.24	0.50	18.22	-1.92	-1.08	.44	.44	.153			
902	904 189=1	0.0	26.4	-5.86	-15.33	77.51	1.01	-0.16	10.53	-0.49	-2.64	.45	.45	.109			
		6.8	26.4	-5.67	-22.53	-19.57	0.04	-0.02	10.53	-0.49	-1.00	.32	.32	.054			
		13.2	26.4	-5.87	-14.28	-54.53	0.08	0.11	10.53	-0.49	-1.93	.20	.20	.084			
		19.8	26.4	-5.87	-5.57	-26.24	-0.76	0.24	10.53	-0.49	-0.90	.31	.31	.051			
		26.4	26.4	-5.65	18.00	66.41	-1.54	0.37	10.53	-0.49	-2.31	.45	.45	.095			

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER GROUP AND SECTN	MEMBER NO.	FROM END	FORCE FX	MOMENT MY	DEFLECT MZ	SHEAR FY	TORSION MX	AXIAL STRESS	BENDING Y	Z	SHEAR STRESS	COMB. STRESS
		FI.	KIPS	IN-KIPS	IN-KIPS	KIPS	IN-KIPS	/KSI	/KSI	/KSI	/KSI	/KSI
902	905 149	1	0.0	-7.19	-16.06	-107.01	-1.72	-9.84	-3.63	-3.63	.45	.142
			6.6	-7.20	-23.58	-1.94	-.94	-9.84	-1.79	-1.79	.52	.053
			13.2	-7.20	-20.64	41.01	-.15	-9.84	-1.55	-1.55	.20	.076
			19.8	-7.19	-7.25	21.53	.05	-9.84	-.76	-.76	.28	.052
			26.4	-7.18	15.61	-62.73	1.48	-9.84	-2.17	-2.17	.42	.095
903	905 149	1	0.0	166.65	-75.13	-93.03	1.06	14.95	7.95	1.62	.21	.328
			6.6	166.65	-82.68	-126.72	.09	14.95	7.95	2.21	.12	.347
			13.2	166.71	-82.69	-97.20	-.69	14.95	7.96	1.85	.19	.335
			19.8	166.74	-75.78	11.52	-1.86	14.95	7.96	1.11	.28	.312
			26.4	166.77	-61.55	197.46	-2.83	14.95	7.96	2.99	.38	.372
903	1002 100	1	0.0	-10.74	29.10	538.95	5.65	28.37	-3.05	-3.05	.50	.112
			6.6	-10.81	-23.09	-128.75	2.81	28.37	-1.17	-1.17	.30	.053
			13.2	-10.91	-35.77	-260.00	-.25	28.37	-2.35	-2.35	.14	.091
			19.8	-10.99	-16.52	-86.56	-2.69	28.37	-.36	-.36	.31	.041
			26.4	-11.07	25.25	244.88	-5.73	28.37	-2.64	-2.64	.38	.100
903	1003 100	1	0.0	-64.75	382.50	-282.18	-16.56	508.65	-3.62	-3.62	.81	.148
			6.6	-65.15	106.67	-1658.19	-11.85	508.65	-2.11	-2.11	.66	.191
			13.2	-67.58	72.69	-866.63	-7.51	508.65	-1.11	-1.11	.54	.070
			19.8	-68.97	242.60	-407.67	-3.86	508.65	-.92	-.92	.47	.055
			26.4	-70.38	602.54	-163.95	-2.57	508.65	-1.79	-1.79	.47	.062
905	1005 100	1	0.0	-339.60	-446.26	17.48	2.06	46.72	-14.53	-14.53	.51	.612
			6.6	-344.67	-93.52	-140.67	1.75	46.72	-1.51	-1.51	.36	.712
			13.2	-344.73	58.65	-155.39	-.47	46.72	-1.49	-1.49	.25	.711
			19.8	-344.82	23.56	-39.56	-1.53	46.72	-1.54	-1.54	.33	.669
			26.4	-344.93	-140.08	169.00	-2.05	46.72	-1.97	-1.97	.38	.731
906	905 149	1	0.0	12.96	23.85	-151.06	-3.23	.60	1.09	5.11	.55	.200
			6.6	12.96	7.74	59.18	-1.58	.60	1.09	1.34	.28	.092
			13.2	12.96	2.10	48.74	.07	.60	1.09	3.30	.02	.142
			19.8	12.96	6.91	27.61	1.72	.60	1.09	.95	.30	.068
			26.4	12.96	22.18	-174.19	3.37	.60	1.09	5.87	.58	.224
906	906 149	1	0.0	-143.51	-74.54	-91.67	-1.94	25.14	-6.77	-1.71	.38	.478
			6.6	-143.68	-4.44	23.04	-.97	25.14	-6.77	-1.34	.31	.428
			13.2	-143.47	72.68	61.90	-.02	25.14	-6.77	-1.36	.28	.470
			19.8	-143.46	157.57	25.85	.92	25.14	-6.77	-2.31	.32	.518
			26.4	-143.46	249.58	-63.99	1.61	25.14	-6.77	-3.61	.39	.579
905	906 149	1	0.0	154.50	-73.16	-59.47	1.18	-23.29	7.29	1.20	.31	.292
			6.6	154.53	-1.64	-94.23	.21	-23.29	7.29	1.56	.26	.297
			13.2	154.54	75.82	-72.94	-.74	-23.29	7.29	1.53	.29	.302
			19.8	154.55	162.60	23.26	-1.68	-23.29	7.29	2.38	.36	.329
			26.4	154.55	256.10	193.25	-2.61	-23.29	7.29	4.64	.44	.401



S T R A N M E M B E R D E T A I L R E P O R T

LOAD CONDITION NO. 7 U.S. NAVY - ADMIRAL PLATFORMS - PLATFORM NO. 2 - MAX 93.0 FEET - 50 YR STURM

MEMBER NUMBER AND SECTN	DIST FROM END	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	TORSION MX IN-KIPS	AXIAL STRESS Y /	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS UNITY	CHECK
905-1004 100-1	0.0	430.92	442.55	234.18	3.22	-4.08	14.27	4.50	.47	.47	.639	
	9.5	430.47	46.55	-29.55	1.51	-2.20	14.27	.82	.31	.31	.523	
	18.9	430.76	-60.10	-106.01	-1.15	-.40	14.27	1.09	.16	.16	.531	
	28.4	430.70	-13.15	-6.19	-1.56	1.16	14.27	.13	.26	.26	.501	
	37.8	430.62	170.05	217.11	-2.22	1.90	14.26	2.47	.32	.32	.575	
905-1005 100-1	0.0	440.97	244.05	-272.55	-3.35	-3.38	14.61	3.53	.35	.35	.620	
	9.5	440.92	6.12	10.37	-1.64	-1.50	14.61	.12	.18	.18	.542	
	18.9	440.45	-58.84	102.03	.00	.30	14.60	1.05	.05	.05	.542	
	28.4	440.75	57.60	17.40	1.43	1.86	14.60	.62	.19	.19	.528	
	37.8	440.67	530.29	-190.70	2.04	2.60	14.60	3.41	.25	.25	.616	
906-1006 JULY-1	0.0	117.16	464.95	2044.41	6.51	9.72	1.66	2.67	.33	.33	.142	
	6.8	115.79	941.14	1526.20	6.51	1.94	1.64	2.28	.19	.19	.129	
	13.7	114.01	704.64	1007.99	6.51	-5.45	1.62	1.63	.24	.24	.108	
	20.5	113.02	64.79	489.79	6.51	-12.16	1.60	.63	.39	.39	.076	
	27.4	111.82	-1134.56	-28.42	6.51	-16.59	1.56	1.44	.50	.50	.101	
910-1010 P3-1	0.0	973.74	3059.74	5126.29	-10.41	-110.45	3.29	2.27	.88	.88	.187	
	6.8	967.29	-5401.25	5981.50	-10.41	-109.85	3.27	2.91	.67	.67	.206	
	13.7	961.04	-14341.46	6456.71	-10.41	-108.86	3.25	5.74	.86	.86	.295	
	20.5	956.04	-23280.84	7691.93	-10.41	-107.48	3.23	8.44	.86	.86	.392	
	27.4	950.15	-32099.50	8547.14	-10.41	-106.90	3.21	11.98	.85	.85	.491	
911-1011 P3-1	0.0	1066.93	4450.92	-5405.14	10.81	-131.36	3.61	3.63	1.14	1.14	.241	
	6.8	1061.03	-2249.61	-6353.14	10.81	-130.37	3.59	2.44	1.13	1.13	.202	
	13.7	1055.13	-12455.34	-7241.14	10.81	-129.39	3.57	5.35	1.13	1.13	.294	
	20.5	1049.24	-23580.29	-8129.14	10.81	-128.41	3.55	8.98	1.12	1.12	.408	
	27.4	1043.34	-30044.45	-9017.14	10.81	-127.42	3.53	12.70	1.11	1.11	.525	
912-1012 P3-1	0.0	-2432.07	-10500.85	-69.16	-1.12	211.59	-8.90	-3.79	1.46	1.46	.433	
	6.8	-2437.97	5414.05	-59.42	-1.12	212.57	-8.92	-2.49	1.46	1.46	.398	
	13.7	-2443.87	24410.69	-49.65	-1.12	213.55	-8.94	-8.80	1.47	1.47	.590	
	20.5	-2449.77	41487.47	-39.89	-1.12	214.54	-8.96	-15.14	1.48	1.48	.791	
	27.4	-2455.67	59045.00	-30.12	-1.12	215.52	-8.98	-21.51	1.48	1.48	.993	
1001-1002 200-1	0.0	225.42	-142.97	386.33	1.04	.52	5.93	2.31	.13	.13	.279	
	7.6	225.42	-28.99	281.44	1.23	.45	5.93	1.67	.13	.13	.259	
	15.2	225.42	-61.90	162.78	1.54	.37	5.93	.97	.14	.14	.237	
	22.7	225.42	-51.70	50.34	1.53	.29	5.93	.25	.15	.15	.214	
	30.3	225.42	-6.59	-115.89	1.64	.22	5.93	.65	.15	.15	.227	
1001-1004 200-1	0.0	223.51	-449.54	544.57	1.86	1.73	5.88	4.10	.42	.42	.334	
	7.6	223.52	-335.24	372.45	1.93	1.66	5.88	2.80	.42	.42	.293	
	15.2	223.50	-168.02	191.68	2.05	1.58	5.88	1.50	.43	.43	.252	
	22.7	223.51	-47.70	-1.47	2.21	1.51	5.88	.27	.43	.43	.213	
	30.3	223.52	85.73	-209.76	2.37	1.45	5.88	1.27	.44	.44	.245	

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LOAD CONDITION NO. 7 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAX 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	FROM	TO	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FY KIPS	TORSION FZ KIPS	AXIAL STRESS IN-KIPS	BENDING STRESS Y	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS UNITS	CHECK
1002-1003	200-1	0.0	7.0	239.51	7.30	-156.16	-1.61	-0.26	-109.14	6.30	.87	.39	.39	.247	
		7.0	15.2	239.51	-14.92	-17.10	-1.45	-0.34	-109.14	6.30	.15	.38	.38	.224	
		15.2	22.7	239.51	-54.02	108.19	-1.50	-0.41	-109.14	6.30	.68	.38	.38	.241	
		22.7	30.3	239.51	-95.01	219.70	-1.15	-0.37	-109.14	6.30	1.34	.37	.37	.262	
		30.3		239.51	-102.09	317.43	-1.00	-0.56	-109.14	6.30	1.95	.37	.37	.281	
1002-1004	140-1	0.0	7.0	-4.38	-193.34	-25.79	-0.09	1.10	31.50	-0.40	-3.66	.44	.44	.133	
		7.0	15.2	-4.35	-93.10	-14.69	-0.15	1.05	31.50	-0.40	-1.77	.43	.43	.073	
		15.2	22.7	-6.31	-2.46	1.98	-0.22	0.94	31.50	-0.39	-0.06	.42	.42	.019	
		22.7	30.3	-6.29	78.53	25.10	-0.29	0.84	31.50	-0.39	-1.55	.41	.41	.066	
		30.3		-6.30	149.67	55.91	-0.39	0.73	31.50	-0.39	-3.00	.40	.40	.112	
1002-1005	140-1	0.0	7.0	-4.34	-236.59	1.87	-0.02	1.24	-23.24	-0.40	-4.44	.38	.38	.158	
		7.0	15.2	-6.34	-123.94	-28	-0.05	1.19	-23.24	-0.40	-2.33	.37	.37	.091	
		15.2	22.7	-6.30	-20.93	-7.28	.12	1.08	-23.24	-0.39	-0.42	.35	.35	.030	
		22.7	30.3	-6.28	72.43	-21.09	.19	0.97	-23.24	-0.39	-1.42	.34	.34	.052	
		30.3		-6.29	150.15	-42.59	.28	0.87	-23.24	-0.39	-3.04	.33	.33	.113	
1003-1005	200-1	0.0	7.0	248.40	-515.34	-442.31	-1.45	2.40	-60.00	6.53	3.80	.32	.32	.346	
		7.0	15.2	248.42	-300.01	-308.72	-1.53	2.32	-60.00	6.53	2.40	.31	.31	.303	
		15.2	22.7	248.40	-92.74	-162.49	-1.65	2.25	-60.00	6.53	1.05	.31	.31	.260	
		22.7	30.3	248.40	108.24	-5.87	-1.00	2.17	-60.00	6.53	.61	.32	.32	.246	
		30.3		248.41	302.53	165.90	-1.97	2.10	-60.00	6.53	1.93	.32	.32	.288	
1004-1005	140-1	0.0	7.0	13.61	2.04	-46.70	-0.46	0.35	-0.67	0.85	.86	.15	.15	.057	
		7.0	15.2	13.61	24.93	-15.03	-0.23	0.25	-0.67	0.85	.63	.12	.12	.049	
		15.2	22.7	13.61	47.57	-7.02	-0.01	0.14	-0.67	0.85	.90	.10	.10	.056	
		22.7	30.3	13.61	55.54	-13.66	.22	0.04	-0.67	0.85	1.07	.11	.11	.044	
		30.3		13.61	53.95	-43.97	.45	-0.07	-0.67	0.85	1.31	.14	.14	.071	
1004-1006	200-1	0.0	7.0	-342.73	-334.50	20.07	.22	2.75	27.52	-10.32	-1.88	.22	.22	.605	
		7.0	15.2	-342.72	-40.24	-7.66	.39	2.67	27.52	-10.32	-0.50	.22	.22	.506	
		15.2	22.7	-342.71	151.14	-51.11	.58	2.60	27.52	-10.32	-0.89	.22	.22	.562	
		22.7	30.3	-342.73	385.63	-114.62	.93	2.52	27.52	-10.32	-2.24	.22	.22	.616	
		30.3		-342.75	609.24	-202.57	1.10	2.44	27.52	-10.32	-3.59	.22	.22	.674	
1005-1006	200-1	0.0	7.0	-379.16	-141.03	36.03	.33	2.24	28.11	-9.97	-0.82	.20	.20	.540	
		7.0	15.2	-379.15	50.17	13.86	.16	2.16	28.11	-9.97	-0.33	.19	.19	.520	
		15.2	22.7	-379.14	251.26	7.41	-0.03	2.09	28.11	-9.97	-1.41	.19	.19	.566	
		22.7	30.3	-379.16	437.51	21.03	-0.24	2.01	28.11	-9.97	-2.45	.19	.19	.610	
		30.3		-379.17	616.85	59.08	-0.55	1.94	28.11	-9.97	-3.47	.18	.18	.652	

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STURM

MEMBER GROUP AND SECTN	DIST FROM END	FURCE FX	MOMENT MY	MOMENT MZ	SHEAR FORCE		TORSION MX	AXIAL BENDING STRESS		SHEAR STRESS		COMP. STRESS	UNIFY CHECK
					KIPS	KIPS		KIPS	Y	Z	Y		
101-102	0.0	-5.73	426.44	-80.62	-7.11	.01	-7.52	4.79	-7.52	.08	1.10	.426	
	3.6	-5.73	154.97	-52.35	-5.39	.01	-4.86	1.74	-4.86	.08	.84	.240	
	7.3	-5.73	-42.19	-24.09	-3.66	.01	-2.25	.47	-2.25	.08	.57	.108	
	10.9	-5.73	-164.16	4.16	-1.94	.01	-1.84	-1.84	.39	.08	.30	.087	
	14.5	-5.73	-211.22	32.44	-.22	.01	-2.37	3.03	.08	.08	.03	.195	
101-104	0.0	-6.75	431.92	-62.17	-7.34	.01	-7.67	4.85	-7.67	.08	1.14	.438	
	3.6	-6.75	150.31	-52.90	-5.62	.01	-4.94	1.69	-4.94	.08	.87	.243	
	7.2	-6.75	-50.76	-23.64	-3.84	.01	-2.20	.63	-2.20	.08	.60	.114	
	10.9	-6.75	-188.39	5.63	-2.17	.01	-2.11	.53	.53	.08	.34	.103	
	14.5	-6.75	-245.04	34.90	-.45	.01	-2.75	3.26	.08	.08	.07	.218	
101-201	0.0	-19.45	-374.00	642.50	4.86	-162.79	-2.21	-1.16	.37	.37	.37	.045	
	3.6	-20.61	-155.30	206.77	4.86	-162.79	-.23	-.40	.37	.37	.37	.021	
	7.3	-21.77	63.00	-228.96	4.86	-162.79	-.24	-.37	.37	.37	.37	.020	
	11.3	-22.93	281.30	-664.69	4.86	-162.79	-.25	-1.13	.37	.37	.37	.045	
	15.0	-24.10	500.00	-1100.42	4.86	-162.79	-.26	-1.89	.37	.37	.37	.069	
102-103	0.0	-6.42	-210.25	24.43	.14	.01	2.36	2.28	.04	.04	.02	.171	
	3.6	-5.42	-166.35	9.70	1.87	.01	-1.87	.90	.04	.04	.29	.107	
	7.3	-6.42	-47.96	-5.03	3.59	.01	-.54	.47	.04	.04	.56	.050	
	10.9	-6.42	145.34	-19.76	5.31	.01	1.63	-1.84	.04	.04	.02	.133	
	14.5	-6.42	413.94	-34.49	7.03	.01	4.65	-3.22	.04	.04	1.09	.276	
102-104	0.0	-9.10	.99	6.54	-.17	.00	.05	1.17	.01	.01	.09	.043	
	3.6	-9.10	-4.43	3.37	-.00	.00	-.21	.60	.01	.01	.04	.029	
	7.2	-10.10	-6.06	.21	.07	.00	-.29	.04	.01	.01	.00	.011	
	10.9	-10.10	-5.91	-2.96	.09	.00	-.19	-.53	.01	.01	.05	.025	
	14.5	-10.10	2.02	-6.12	.18	.00	.10	-1.09	.01	.01	.09	.042	
102-105	0.0	1.19	-9.96	1.47	-.20	.00	.17	-.05	.26	.00	.10	.017	
	3.6	1.19	-7.61	2.07	-.11	.00	.17	-.37	.37	.00	.06	.030	
	7.2	1.19	-10.98	2.66	-.02	.00	.17	-.50	.47	.00	.01	.038	
	10.9	1.19	-9.57	3.25	.06	.00	.17	-.46	.58	.00	.03	.041	
	14.5	1.19	-4.08	3.84	.15	.00	.17	-.23	.69	.00	.08	.037	
103-105	0.0	-8.08	340.62	23.76	-6.61	.04	3.82	2.22	.02	.02	1.03	.219	
	3.6	-8.08	90.77	17.33	-4.84	.04	1.02	1.62	.02	.02	.76	.110	
	7.2	-8.08	-84.44	10.90	-3.17	.04	-.95	1.02	.02	.02	.49	.086	
	10.9	-8.08	-184.61	4.47	-1.45	.04	-2.07	.42	.02	.02	.23	.101	
	14.5	-8.08	-210.35	-1.96	.27	.04	-2.36	.18	.02	.02	.04	.102	
103-203	0.0	-18.64	-295.11	-584.45	6.58	58.25	-2.0	-1.02	.32	.32	.32	.040	
	3.6	-19.80	-104.10	-10.39	6.58	58.25	-.22	-.17	.32	.32	.32	.013	
	7.3	-20.97	297.06	368.25	6.58	58.25	-.23	-.74	.32	.32	.32	.032	
	11.3	-22.13	593.14	844.60	6.58	58.25	-.24	-1.61	.32	.32	.32	.080	
	15.0	-23.3	849.22	1320.95	6.58	58.25	-.26	-2.49	.32	.32	.32	.088	

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. A U.S. NAVY - ACW PLATFURMS - PLATFURM NO. 2 - HML 93.0 FEET - 50 YR STURM

MEMBER GROUP AND SECTN	MEMBER NO.	MEMBER TYPE	MEMBER ORIGIN	MEMBER END	MEMBER LENGTH	MEMBER AREA	MEMBER PERIMETER	MEMBER MASS	MEMBER MOMENT OF INERTIA	MEMBER TORSION	MEMBER AXIAL STRESS	MEMBER BENDING STRESS	MEMBER SHEAR STRESS	MEMBER COMB. STRESS	MEMBER CHECK
MEMBER GROUP AND SECTN	MEMBER NO.	MEMBER TYPE	MEMBER ORIGIN	MEMBER END	MEMBER LENGTH	MEMBER AREA	MEMBER PERIMETER	MEMBER MASS	MEMBER MOMENT OF INERTIA	MEMBER TORSION	MEMBER AXIAL STRESS	MEMBER BENDING STRESS	MEMBER SHEAR STRESS	MEMBER COMB. STRESS	MEMBER CHECK
104	105	105	1	0.0	1.11	-2.06	0.62	-0.02	-0.13	0.01	-0.16	0.11	0.00	0.07	0.17
				5.5	1.11	-6.02	1.53	-0.02	-0.05	0.01	-0.16	0.29	0.01	0.03	0.29
				7.5	1.11	-6.14	2.45	-0.02	0.04	0.01	-0.16	0.40	0.01	0.02	0.35
				10.9	1.11	-2.58	3.36	-0.02	0.13	0.01	-0.16	0.12	0.01	0.07	0.35
				14.5	1.11	4.62	4.27	-0.02	0.21	0.01	-0.16	0.23	0.01	0.11	0.44
104	106	106	1	0.0	6.20	-243.45	26.16	0.41	0.14	0.04	-0.38	2.73	0.05	0.02	0.194
				5.5	6.20	-212.01	10.15	0.41	1.58	0.04	-0.38	2.38	0.05	0.25	0.124
				7.5	6.20	-105.65	-7.06	0.41	3.31	0.04	-0.38	-1.19	0.05	0.51	0.079
				10.9	6.20	75.63	-25.47	0.41	5.03	0.04	-0.38	0.45	0.05	0.78	0.127
				14.5	6.20	337.48	-43.48	0.41	11.75	0.04	-0.38	3.74	0.05	1.62	0.279
105	106	106	1	0.0	6.90	-215.20	6.15	0.22	0.64	0.02	-0.43	2.41	0.03	0.10	0.114
				5.5	6.90	-149.44	-3.50	0.22	2.36	0.02	-0.43	-1.68	0.03	0.37	0.043
				7.5	6.90	-4.05	-13.26	0.22	4.08	0.02	-0.43	0.11	0.03	0.63	0.065
				10.9	6.90	205.21	-22.97	0.22	5.80	0.02	-0.43	2.30	0.03	0.90	0.165
				14.5	6.90	493.20	-32.40	0.22	7.53	0.02	-0.43	5.56	0.03	1.17	0.300
106	206	206	1	0.0	25.10	721.60	74.65	5.50	-3.47	76.56	-0.28	-1.14	0.20	0.20	0.46
				5.5	25.10	565.43	-168.94	5.50	-3.47	76.56	-0.29	-0.92	0.20	0.20	0.40
				7.5	25.10	404.26	-416.52	5.50	-3.47	76.56	-0.30	-0.91	0.20	0.20	0.40
				11.5	25.10	253.04	-664.11	5.50	-3.47	76.56	-0.31	-1.11	0.20	0.20	0.47
				15.0	25.10	66.41	-911.70	5.50	-3.47	76.56	-0.33	-1.43	0.20	0.20	0.57
201	202	202	1	0.0	24.16	595.12	65.41	0.70	-10.25	0.01	-1.49	4.68	0.08	1.59	0.551
				5.5	24.16	203.22	-54.45	0.70	-7.77	0.01	-1.49	2.28	0.08	1.21	0.313
				7.5	24.16	40.68	-24.49	0.70	-5.28	0.01	-1.49	-0.91	0.08	0.62	0.171
				10.9	24.16	-258.55	5.97	0.70	-2.80	0.01	-1.49	-2.88	0.08	0.43	0.173
				14.5	24.16	-324.41	30.43	0.70	-0.32	0.01	-1.49	-3.64	0.08	0.05	0.296
201	204	204	1	0.0	33.50	530.30	66.65	0.73	-9.83	0.02	3.31	5.95	0.09	1.53	0.585
				5.5	33.50	156.04	-54.40	0.73	-7.35	0.02	3.31	1.76	0.09	1.14	0.349
				7.5	33.50	-108.77	-23.15	0.73	-4.87	0.02	3.31	-1.22	0.09	0.76	0.229
				10.9	33.50	-266.45	8.60	0.73	-2.34	0.02	3.31	-2.99	0.09	0.37	0.238
				14.5	33.50	-316.22	40.35	0.73	-1.10	0.02	3.31	-3.55	0.09	0.02	0.358
201	301	301	1	0.0	44.40	131.37	166.94	0.44	-49.50	0.01	-0.54	0.33	1.04	1.04	0.30
				5.5	44.40	-200.65	-147.23	0.44	-49.50	0.01	-0.54	-3.29	1.04	1.04	0.124
				7.5	44.40	-433.77	-127.41	0.50	-44.52	0.01	-0.54	-6.77	1.04	1.04	0.234
				11.5	44.40	-647.206	-61.87	-2.62	-45.76	0.01	-0.54	-10.13	1.04	1.04	0.341
				15.0	44.40	-4412.08	124.42	-5.81	-40.26	0.01	-0.54	-13.16	1.04	1.04	0.438
201	503	120	1	0.0	4.44	72.94	-139.93	1.07	-1.33	0.01	-0.16	1.97	0.31	0.31	0.66
				5.5	4.44	-23.54	-244.74	1.07	-0.64	0.01	-0.16	3.07	0.27	0.27	0.102
				7.5	4.44	-51.44	-349.54	1.07	0.06	0.01	-0.16	4.41	0.26	0.26	0.144
				10.9	4.44	-60.72	-394.72	0.97	0.97	0.01	-0.16	4.93	0.38	0.38	0.160
				14.5	4.44	75.34	-445.35	-19.74	0.26	0.01	-0.16	4.11	0.58	0.58	0.261

STIMAN MEMBER DETAIL REPORT

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LOAD CONDITION NO. 8 U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - H-L 93.0 FEET - 50 YR STURM

MEMBER NUMBER	MEMBER ID	SECTN	MEMBER NO	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	FX KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /	BENDING STRESS Y	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS	UNITY CHECK
202	203	10	1	0.0	-25.02	28.00	.59	.06	.01	-1.54	-3.66	2.61	.05	.01	.272	
				5.6	-25.02	11.08	.59	2.54	.01	-1.54	-3.03	1.03	.05	.39	.197	
				7.3	-25.02	5.83	.59	5.02	.01	-1.54	-1.16	-.54	.05	.78	.121	
				10.9	-25.02	-22.74	.59	7.51	.01	-1.54	1.88	-2.12	.05	1.17	.198	
				14.5	-25.02	547.79	.59	9.94	.01	-1.54	6.15	-3.70	.05	1.55	.388	
202	204	10	1	0.0	-1.41	7.41	.04	.17	.00	-.03	-.09	1.32	.02	.09	.051	
				5.6	-1.42	4.01	.04	.08	.00	-.03	-.36	.72	.02	.04	.038	
				7.2	-1.15	.61	.04	.00	.00	-.03	-.44	.11	.02	.00	.020	
				10.9	-1.09	-2.79	.04	.04	.00	-.03	-.34	-.50	.02	.05	.030	
				14.5	-1.22	-6.18	.04	.16	.00	-.03	-.06	-1.10	.02	.09	.042	
202	205	10	1	0.0	1.41	1.41	-.03	-.21	.00	.20	.09	.18	.01	.11	.017	
				5.6	1.41	-5.14	-.03	-.12	.00	.20	-.25	.42	.01	.06	.030	
				7.2	1.41	-8.42	-.03	-.03	.00	.20	-.40	.66	.01	.02	.043	
				10.9	1.41	-7.91	-.03	.00	.00	.20	-.38	.90	.01	.03	.050	
				14.5	1.41	-5.02	-.03	.14	.00	.20	-.17	1.14	.01	.08	.052	
203	205	10	1	0.0	-45.67	1095.29	1.46	2.68	.02	-2.12	7.27	2.74	.02	2.34	.412	
				5.6	-45.67	242.14	1.46	5.62	.02	-2.12	1.61	2.09	.02	1.72	.210	
				7.2	-45.67	347.43	1.46	24.64	.02	-2.12	-2.31	1.45	.02	1.09	.210	
				10.9	-45.67	-675.42	1.46	13.66	.02	-2.12	4.47	.80	.02	.46	.256	
				14.5	-45.67	-735.64	1.46	2.68	.02	-2.12	4.88	.16	.02	.17	.246	
203	303	10	1	0.0	-129.77	-369.56	1.46	-155.24	389.45	-1.42	-.63	1.65	1.65	1.65	.071	
				5.6	-130.94	-3130.63	1.46	-220.79	389.45	-1.44	4.91	1.65	1.65	1.65	.207	
				7.5	-132.10	-5691.69	1.46	-286.35	389.45	-1.45	-9.23	1.65	1.65	1.65	.345	
				11.3	-133.26	-8652.75	1.46	-351.91	389.45	-1.46	-13.55	1.65	1.65	1.65	.482	
				15.0	-133.46	-11314.11	1.46	-359.93	389.45	-1.47	-17.71	1.65	1.65	1.65	.614	
203	306	10	1	0.0	140.61	459.06	1.42	247.63	42.25	4.97	6.83	.62	.62	.62	.399	
				5.6	140.25	26.24	1.42	150.18	42.25	4.96	2.00	.57	.57	.57	.236	
				7.5	137.89	-380.43	1.42	14.73	42.25	4.95	4.23	.52	.52	.52	.306	
				10.9	139.51	-697.50	1.43	5.51	42.25	4.93	6.39	.53	.53	.53	.374	
				14.5	139.23	551.07	1.44	17.85	42.25	4.92	7.61	1.53	1.53	1.53	.412	
204	205	10	1	0.0	-1.13	1.22	-.05	-.16	.00	-.16	.06	-.26	.01	.08	.021	
				5.6	-1.13	-3.43	-.05	-.42	.00	-.16	-.19	.15	.01	.04	.021	
				7.3	-1.13	-5.29	-.05	.01	.00	-.16	-.25	.55	.01	.01	.037	
				10.9	-1.13	-2.87	-.05	5.37	.00	-.16	-.14	.96	.01	.05	.048	
				14.5	-1.13	3.54	-.05	7.65	.00	-.16	.16	1.37	.01	.10	.063	
204	206	10	1	0.0	54.06	-317.45	.52	35.62	.05	3.34	-3.56	3.32	.06	.07	.325	
				5.6	54.06	-244.47	.52	12.09	.05	3.34	-2.74	1.21	.06	.45	.245	
				7.3	54.06	-83.44	.52	9.75	.05	3.34	-.71	-.90	.06	.84	.170	
				10.9	50.06	225.04	.52	-32.20	.05	3.34	2.53	-3.01	.06	1.23	.301	
				14.5	54.06	624.41	.52	-54.92	.05	3.34	7.06	-5.12	.06	2.39	.516	

STRAN MEMBER DETAIL REPORT

LOAD\_CONDITION\_NO. 2 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YK STORM

MEMBER GROUP NUMBER AND SECTN	MEMBER NO.	GROUP NO.	SECTN NO.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	FX FV KIPS	FZ FV KIPS	IN-KIPS	MA IN-KIPS	AXIAL STRESS Y /	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS UNITY	CHECK	
205	206	21	1	0.0	-44.32	-759.52	0.0	16.72	0.0	1.92	0.1	-2.06	-4.91	0.98	0.04	0.20	.273
				7.3	-44.32	-523.89	0.0	6.12	0.0	7.99	0.1	-2.06	-3.46	0.36	0.04	0.53	.206
				14.5	-44.32	0.0	0.0	0.0	0.0	0.0	0.0	-2.06	-1.70	0.04	0.04	1.45	.152
				21.8	-44.32	699.85	0.0	51.81	0.0	20.12	0.1	-2.06	4.64	-3.05	0.04	2.08	.337
				29.0	-44.32	1706.56	0.0	74.55	0.0	25.14	0.1	-2.06	11.55	-4.39	0.04	2.71	.595
206	301	120	1	0.0	-112.47	36.21	-5.37	-1.09	-25.56	-5.98	-5.93	0.04	0.04	0.04	0.55	0.407	
				7.3	-112.47	34.74	-5.37	-1.09	-25.56	-4.00	-7.9	0.04	0.04	0.04	0.54	0.241	
				14.5	-112.47	34.74	-5.37	-1.09	-25.56	-4.01	-7.24	0.04	0.04	0.04	0.54	0.451	
				21.8	-112.47	142.54	6.65	3.47	-25.56	-4.02	-7.96	0.04	0.04	0.04	0.59	0.475	
				29.0	-112.47	582.73	24.54	5.16	-25.56	-4.03	-13.17	0.04	0.04	0.04	1.93	0.636	
209	306	041	1	0.0	-20.50	2032.56	0.0	60.00	-79.44	-202.72	0.23	-3.32	1.90	1.90	0.113		
				7.3	-20.50	1542.19	0.0	69.11	-74.44	-202.72	0.24	-2.61	1.90	1.90	0.091		
				14.5	-20.50	5116.08	0.0	65.14	-74.44	-202.72	0.25	-6.07	1.90	1.90	0.264		
				21.8	-20.50	8674.55	0.12	78.12	-78.12	-202.72	0.26	-13.61	1.87	1.87	0.440		
				29.0	-20.50	12103.94	-2.49	74.01	-74.01	-202.72	0.27	-16.96	1.78	1.78	0.610		
301	303	123	1	0.0	51.17	90.56	14.52	-1.99	-20.34	2.06	9.58	1.70	1.70	0.396			
				7.3	51.17	-24.72	6.51	-1.80	-20.34	2.06	6.67	1.86	1.86	0.304			
				14.5	51.17	-55.84	-1.24	0.0	-20.34	2.06	10.67	1.86	1.86	0.31	0.430		
				21.8	51.17	-159.20	-6.86	0.0	-20.34	2.06	12.81	1.11	1.11	1.11	0.181		
				29.0	51.17	98.14	18.22	1.86	-20.34	2.06	16.55	1.87	1.87	1.87	0.616		
301	306	123	1	0.0	43.63	542.17	14.45	-5.39	-5.92	4.87	14.40	1.66	1.66	0.625			
				7.3	43.63	161.05	6.52	-4.05	-5.92	4.87	6.92	1.85	1.85	1.85	0.343		
				14.5	43.63	-104.96	-1.06	-2.54	-5.92	4.87	10.44	1.86	1.86	1.86	0.500		
				21.8	43.63	-256.05	-8.29	-0.93	-5.92	4.87	5.46	0.92	0.92	0.92	0.342		
				29.0	43.63	-262.55	448.41	-15.16	-5.92	4.86	15.47	1.83	1.83	1.83	0.665		
301	401	041	1	0.0	3.79	-9193.59	22.56	47.80	1421.95	0.04	14.50	1.90	1.90	0.490			
				7.3	3.79	-8291.55	15.02	40.86	1421.95	0.04	9.86	2.06	2.06	2.06	0.314		
				14.5	3.79	-2225.05	-1362.73	9.65	54.54	1421.95	0.04	4.08	2.32	2.32	0.131		
				21.8	3.79	3007.15	-1421.50	-6.3	67.53	1421.95	0.04	5.34	2.59	2.59	0.171		
				29.0	3.79	9245.73	-1299.28	-8.62	77.91	1421.95	0.04	14.61	2.43	2.43	0.464		
303	306	123	1	0.0	-65.09	650.44	1.68	-4.84	-6.76	-4.44	-12.60	0.59	0.59	0.570			
				7.3	-65.09	254.05	1.68	-4.20	-6.76	-4.44	-5.20	0.53	0.53	0.53	0.350		
				14.5	-65.09	-67.40	1.68	-3.53	-6.76	-4.44	-1.19	0.43	0.43	0.43	0.232		
				21.8	-65.09	-278.59	1.68	-1.69	-6.76	-4.44	-5.52	0.31	0.31	0.31	0.260		
				29.0	-65.09	-554.04	1.68	-0.02	-6.76	-4.44	-8.07	0.23	0.23	0.23	0.436		
303	403	041	1	0.0	-134.48	-11659.97	6.66	52.69	-635.18	-1.52	-18.24	1.82	1.82	1.82	0.635		
				7.3	-134.48	-6604.05	1.94	44.25	-635.18	-1.52	-10.59	2.06	2.06	2.06	0.393		
				14.5	-134.48	-600.15	-5.59	77.36	-635.18	-1.52	-2.05	2.36	2.36	2.36	0.123		
				21.8	-134.48	6577.52	-12.43	90.13	-635.18	-1.52	-10.30	2.65	2.65	2.65	0.364		
				29.0	-134.48	14747.74	-16.99	100.61	-635.18	-1.52	-23.12	2.90	2.90	2.90	0.790		

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LOAD CONDITION NO. 8 U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - MFL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	UNIT	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	TORSION MX IN-KIPS	AKIAL STRESS /	BENDING STRESS /	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITS / CHECK
306	406	JL4-1	0.0	22.74	-12119.45	10.71	56.35	-510.71	.25	18.97	1.66	1.66
			7.1	22.77	-6875.03	4.69	66.75	-510.71	.25	10.90	1.47	1.47
			14.2	22.80	-6452.52	-2.40	74.00	-510.71	.25	2.14	2.13	2.13
			21.0	22.83	6614.18	-9.10	90.81	-510.71	.25	10.41	2.40	2.40
			27.5	22.85	14780.41	-14.46	99.96	-510.71	.25	23.12	2.62	2.62
401	501	JL4-1	0.0	185.93	-25761.55	56.06	-15.18	141.97	1.30	13.15	.89	.89
			1.1	185.96	-25661.31	60.70	-15.96	141.97	1.30	13.66	.92	.92
			2.3	184.96	-25151.34	63.28	-15.75	141.97	1.29	14.20	.96	.96
			3.4	184.50	-23241.46	65.81	-15.54	141.97	1.29	14.77	.99	.99
			4.6	184.03	-32441.05	68.27	-15.32	141.97	1.29	15.36	1.02	1.02
401	510	PL-1	0.0	-167.64	-34231.71	17.14	-17.57	-373.25	-0.85	-5.26	.31	.31
			1.1	-164.38	-36621.90	17.14	-17.45	-373.25	-0.85	-5.21	.31	.31
			2.3	-169.11	-34001.40	17.14	-17.33	-373.25	-0.85	-5.14	.31	.31
			3.4	-169.44	-41361.25	17.14	-17.20	-373.25	-0.86	-5.08	.31	.31
			4.6	-176.58	-45701.57	17.14	-17.06	-373.25	-0.86	-5.02	.31	.31
405	505	JL4-1	0.0	185.67	-27451.60	-42.12	-126.27	710.89	13.19	8.01	2.11	2.11
			1.1	185.19	-45161.98	-43.55	-130.55	710.89	13.19	8.66	2.15	2.15
			2.3	184.71	-63191.25	-44.96	-132.76	710.89	13.19	9.44	2.18	2.18
			3.4	184.24	-41511.74	-46.55	-134.97	710.89	13.18	10.32	2.22	2.22
			4.6	183.77	-10013.77	-47.70	-137.10	710.89	13.18	11.28	2.25	2.25
405	511	PL-1	0.0	-2101.43	-76271.55	.82	-18.53	694.85	-9.77	-3.69	.33	.33
			1.1	-2102.16	-60791.58	.82	-18.41	694.85	-9.77	-3.81	.33	.33
			2.3	-2102.89	-65301.14	.82	-18.28	694.85	-9.77	-3.92	.33	.33
			3.4	-2103.63	-45741.01	.82	-18.16	694.85	-9.78	-4.04	.33	.33
			4.6	-2104.36	-46261.20	.82	-18.04	694.85	-9.78	-4.15	.33	.33
406	506	JL4-1	0.0	1903.57	54011.75	-13.44	104.24	-49.96	-13.32	-4.10	1.54	1.54
			1.1	1904.05	73971.78	-14.58	110.37	-49.96	-13.32	-5.01	1.57	1.57
			2.3	1904.53	84221.61	-15.66	112.05	-49.96	-13.32	-5.95	1.60	1.60
			3.4	1905.00	10475.58	-16.72	114.48	-49.96	-13.33	-6.92	1.63	1.63
			4.6	1905.48	120561.06	-17.74	116.47	-49.96	-13.33	-7.91	1.66	1.66
406	512	PL-1	0.0	1903.20	111261.24	-3.29	-10.17	-195.83	6.78	5.25	.14	.14
			1.1	1902.47	109901.20	-3.29	-10.05	-195.83	6.78	5.17	.14	.14
			2.3	1901.75	106531.60	-3.29	-9.93	-195.83	6.77	5.10	.14	.14
			3.4	1901.00	107191.09	-3.29	-9.80	-195.83	6.77	5.04	.14	.14
			4.6	1900.27	105861.04	-3.29	-9.68	-195.83	6.77	4.97	.14	.14
501	502	165-1	0.0	19.14	-16911.7	-6.77	-6.77	230.30	.63	7.51	1.22	1.22
			3.6	19.14	-1621.64	-5.04	-5.04	230.30	.63	5.99	1.37	1.37
			7.6	19.14	-1801.54	-7.51	-7.51	230.30	.63	3.63	1.52	1.52
			11.4	19.14	-1631.50	-9.59	-9.59	230.30	.63	1.47	1.67	1.67
			15.1	19.14	-1511.53	-11.66	-11.66	230.30	.63	4.70	1.82	1.82

STRAN MEMBER DETAIL REPORT

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

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FORCE		TORSION		AXIAL BENDING STRESS			SHEAR STRESS			COMB. STRESS UNIT	CHECK
						F1	F2	IN-KIPS	IN-KIPS	MAX	MIN	Y	Z	Y	Z		
501	504 105-1	0.0	249.34	971.11	-817.64	-3.61	-6.17	136.90	0.26	11.37	1.09	1.09	1.09	1.09	.647		
		3.8	249.34	940.59	-601.88	-5.88	-5.82	136.90	0.26	8.26	1.16	1.16	1.16	1.16	.549		
		7.6	249.35	442.45	-283.13	-8.14	-5.45	136.90	0.26	4.70	1.26	1.26	1.26	1.26	.436		
		11.4	249.36	203.22	156.28	-10.44	-5.07	136.90	0.26	2.20	1.38	1.38	1.38	1.38	.357		
		15.2	249.38	-16.71	661.90	-12.64	-4.69	136.90	0.26	5.93	1.51	1.51	1.51	1.51	.475		
501	601 JLS-1	0.0	350.08	-2652.43	-21865.52	-136.20	-9.03	-93.21	2.31	13.85	1.97	1.97	1.97	1.97	.519		
		1.5	329.43	-2614.48	-14933.40	-134.94	-8.74	-93.21	2.30	12.31	1.92	1.92	1.92	1.92	.470		
		3.0	324.74	-2471.50	-16954.45	-131.89	-8.45	-93.21	2.30	10.82	1.88	1.88	1.88	1.88	.422		
		4.6	324.16	-3122.94	-14500.11	-128.87	-8.17	-93.21	2.30	9.37	1.84	1.84	1.84	1.84	.376		
		6.1	327.52	-3247.44	-12255.52	-125.95	-7.84	-93.21	2.29	7.97	1.80	1.80	1.80	1.80	.332		
501	642 200-1	0.0	-233.11	-591.49	1065.74	13.97	4.49	196.99	-6.65	-6.79	1.33	1.33	1.33	1.33	.447		
		5.1	-233.09	-314.59	326.42	10.49	3.94	196.99	-6.65	-2.54	1.14	1.14	1.14	1.14	.320		
		10.1	-233.08	-101.61	-200.65	7.01	3.07	196.99	-6.65	-1.26	.95	.95	.95	.95	.284		
		15.2	-233.03	54.54	-528.09	3.80	2.23	196.99	-6.65	-2.97	.78	.78	.78	.78	.332		
		20.2	-232.98	170.22	-666.06	.76	1.43	196.99	-6.65	-3.85	.64	.64	.64	.64	.356		
502	503 105-1	0.0	-2.49	-146.53	152.64	3.83	3.61	-134.83	-.08	-2.27	.96	.96	.96	.96	.075		
		3.8	-2.49	-181.13	36.21	1.56	4.12	-134.83	-.08	-.38	.90	.90	.90	.90	.015		
		7.6	-2.49	175.92	17.06	-.72	4.42	-134.83	-.08	-1.58	.90	.90	.90	.90	.053		
		11.4	-2.49	345.41	101.21	-2.99	4.71	-134.83	-.08	-3.55	.97	.97	.97	.97	.115		
		15.1	-2.49	603.89	288.83	-5.26	4.94	-134.83	-.08	-5.49	1.06	1.06	1.06	1.06	.193		
502	504 125-1	0.0	9.91	154.24	155.42	1.14	-1.57	-100.75	-.36	-3.37	1.04	1.04	1.04	1.04	.120		
		3.8	-6.91	67.50	94.02	1.14	-1.57	-100.75	-.36	-1.90	1.07	1.07	1.07	1.07	.074		
		7.6	-6.91	9.85	32.22	1.14	-1.16	-100.75	-.36	-.59	1.06	1.06	1.06	1.06	.032		
		11.4	-6.91	-37.85	-14.58	1.14	-.93	-100.75	-.36	-.75	1.04	1.04	1.04	1.04	.037		
		15.1	-6.91	-74.54	-71.38	1.14	-.68	-100.75	-.36	-1.42	1.03	1.03	1.03	1.03	.071		
502	505 125-1	0.0	26.87	145.24	213.80	4.54	-1.38	58.64	1.40	5.11	.99	.99	.99	.99	.210		
		3.8	26.88	157.01	57.54	2.54	-1.19	58.64	1.40	2.62	.81	.81	.81	.81	.132		
		7.6	26.84	87.54	-17.27	.74	-.94	58.64	1.40	1.57	.65	.65	.65	.65	.098		
		11.4	26.90	47.37	-10.18	-1.06	-.78	58.64	1.40	.85	.65	.65	.65	.65	.076		
		15.1	26.91	16.91	78.68	-2.68	-.56	58.64	1.40	1.42	.82	.82	.82	.82	.094		
503	505 105-1	0.0	-201.90	1184.00	-172.08	-1.96	-7.85	-27.40	-6.69	-10.76	.66	.66	.66	.66	.573		
		3.8	-201.90	858.58	-62.99	-1.96	-7.57	-27.40	-6.69	-7.54	.64	.64	.64	.64	.472		
		7.6	-201.90	501.44	6.08	-1.96	-7.26	-27.40	-6.69	-4.49	.62	.62	.62	.62	.379		
		11.4	-201.90	178.71	95.14	-1.96	-6.94	-27.40	-6.69	-1.81	.60	.60	.60	.60	.305		
		15.2	-201.90	-124.92	184.21	-1.96	-6.54	-27.40	-6.69	-2.01	.58	.58	.58	.58	.311		
503	603 JLS-1	0.0	1475.24	-4368.87	13450.28	94.42	57.16	391.07	10.32	9.94	1.67	1.67	1.67	1.67	.674		
		1.5	1474.80	-7344.82	11723.67	92.88	54.40	391.07	10.32	8.69	1.63	1.63	1.63	1.63	.634		
		3.0	1473.98	-6581.34	10048.77	90.95	51.72	391.07	10.31	7.48	1.59	1.59	1.59	1.59	.596		
		4.6	1473.33	-5461.44	8404.60	89.29	44.13	391.07	10.31	6.30	1.55	1.55	1.55	1.55	.558		
		6.1	1472.69	-4540.15	6740.24	87.68	46.62	391.07	10.30	5.15	1.51	1.51	1.51	1.51	.522		



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MEMBER GROUP AND SECTION	DIST FROM END	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FORCE		TORSION		AXIAL BENDING STRESS		SHEAR STRESS		COMB. UNITY CHECK
					KIPS	KIPS	IN-KIPS	IN-KIPS	FX	FZ	Y	Z	
503= 605 200= 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	1006.45	51.00	.97	-11.96	11.11	15.30	5.64	.66	.66	.711	
	10.1	582.12	565.74	.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	-422.00	-57.51	.25	-3.90	11.11	15.30	2.39	.24	.24	.608	
504= 505 125= 1	0.0	-19.33	-138.60	76.69	3.14	.10	32.55	-1.00	-2.79	.62	.62	.127	
	3.9	-19.33	-137.47	-26.48	1.39	.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	-4.92	.86	32.55	-1.00	-2.91	.71	.71	.131	
504= 506 165= 1	0.0	259.32	72.46	513.63	4.21	-5.26	-114.19	8.59	4.64	1.21	1.21	.446	
	3.4	259.34	-157.64	145.93	6.94	-4.87	-114.19	8.59	1.92	1.07	1.07	.360	
	7.0	259.35	-364.59	-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	.478	
	15.1	259.34	-737.29	-354.02	.45	-3.62	-114.19	8.59	7.34	.75	.75	.531	
505= 506 165= 1	0.0	-172.42	-7.84	413.77	5.29	-6.29	29.18	-5.72	-3.71	.68	.68	.322	
	3.4	-172.42	-245.56	173.28	5.29	-5.93	29.18	-5.72	-2.99	.66	.66	.301	
	7.0	-172.42	-546.37	-67.21	5.29	-5.55	29.18	-5.72	-4.93	.64	.64	.355	
	11.4	-172.42	-789.47	-307.70	5.29	-5.15	29.18	-5.72	-7.59	.62	.62	.439	
	15.1	-172.42	-1013.97	-548.19	5.29	-4.73	29.18	-5.72	-10.32	.60	.60	.526	
505= 606 JLS= 1	0.0	-1694.70	9303.74	2998.00	17.42	-57.50	-259.36	-11.86	-6.14	.92	.92	.607	
	1.5	-1595.34	8276.96	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	-1695.60	6360.45	2151.82	13.57	-50.10	-259.36	-11.86	-4.22	.81	.81	.547	
	6.1	-1697.23	5467.74	1915.21	12.36	-47.78	-259.36	-11.86	-3.64	.77	.77	.526	
505= 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	-631.40	-12.60	3.43	-165.33	-10.26	-4.48	1.15	1.15	.510	
	10.1	-390.35	-296.02	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	2.04	-165.33	-10.26	-4.23	.65	.65	.503	
510= 710 PI= 1	0.0	-190.42	-4431.21	9765.92	17.51	10.64	-1046.81	-9.86	-5.02	.43	.43	.191	
	6.3	-194.51	-3596.07	6456.37	17.51	11.32	-1046.81	-9.86	-4.30	.43	.43	.168	
	12.7	-194.50	-2709.10	7122.82	17.51	12.01	-1046.81	-9.86	-3.56	.44	.44	.146	
	14.0	-202.69	-1770.35	5791.28	17.51	12.69	-1046.81	-9.86	-2.83	.44	.44	.123	
	25.3	-206.77	-779.81	4459.73	17.51	13.37	-1046.81	-9.86	-2.12	.44	.44	.101	
511= 711 PI= 1	0.0	-2164.07	-8619.22	1026.21	-1.70	45.29	599.33	-9.78	-4.15	.55	.55	.473	
	6.3	-2164.16	-5349.40	1155.52	-1.70	45.98	599.33	-9.80	-2.56	.56	.56	.430	
	12.7	-2172.24	-1627.74	1264.42	-1.70	46.66	599.33	-9.82	-1.05	.56	.56	.389	
	19.0	-2175.33	1745.63	1414.13	-1.70	47.34	599.33	-9.83	-1.05	.57	.57	.369	
	25.3	-2180.41	5370.63	1543.44	-1.70	48.02	599.33	-9.85	-2.61	.57	.57	.433	

STIRMAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2 U.S. NAVY - ACFT PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP AND SECTN	DISI	FROM END	TO END	FORCE FA	MOMENT MY	MOMENT MZ	FX	FY	FZ	KIPS	IN-KIPS	KIPS	IN-KIPS	TORSION MX	AXIAL STRESS Y	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS	UNITY CHECK
512	712	P1-1	0.0	1940.07	10546.04	-956.45	-5.29	-49.35	-304.99	8.77	4.97	.52	.463								
			6.5	1935.98	659.80	-706.64	-3.29	-46.66	-304.99	8.75	3.23	.51	.407								
			12.7	1931.84	3145.51	-456.84	-3.29	-47.98	-304.99	8.73	1.51	.51	.352								
			19.0	1927.80	-456.99	-207.03	-3.29	-47.30	-304.99	8.71	.23	.50	.310								
			25.3	1923.71	-4007.00	42.77	-3.29	-46.62	-304.99	8.69	1.87	.49	.362								
501	601	JL0-1	0.0	315.30	-3240.17	-12296.47	-102.04	3.84	-942.83	2.23	8.00	1.72	.331								
			1.5	317.67	-3224.43	-10400.30	-94.20	4.19	-942.83	2.22	6.88	1.69	.295								
			3.0	317.03	-3145.40	-6675.30	-96.43	4.47	-942.83	2.22	5.80	1.65	.261								
			4.6	316.39	-3041.39	-6940.07	-93.74	4.75	-942.83	2.21	4.77	1.61	.228								
			6.1	315.76	-2972.23	-5233.20	-91.14	5.02	-942.83	2.21	3.79	1.57	.197								
603	603	JL0-1	0.0	1457.78	-4073.97	7155.57	64.03	48.29	666.79	10.20	5.38	1.40	.525								
			1.5	1457.14	-3634.69	5495.61	66.65	45.87	666.79	10.19	4.42	1.36	.495								
			3.0	1456.51	-3014.47	4004.07	66.72	43.51	666.79	10.19	3.49	1.32	.465								
			4.6	1455.87	-2246.47	3400.20	65.22	41.22	666.79	10.18	2.59	1.29	.437								
			6.1	1455.23	-1514.05	2203.26	63.77	39.00	666.79	10.18	1.72	1.26	.409								
606	606	JL0-1	0.0	-1697.38	5467.74	1914.05	12.38	-42.27	-253.15	-11.07	-3.64	.70	.529								
			1.5	-1694.01	4716.94	1700.72	11.22	-40.00	-253.15	-11.08	-3.15	.66	.513								
			3.0	-1692.65	4007.01	1504.22	10.10	-37.79	-253.15	-11.08	-2.69	.63	.499								
			4.6	-1699.28	3336.89	1331.98	9.00	-35.64	-253.15	-11.09	-2.26	.59	.485								
			6.1	-1699.91	2705.52	1177.46	7.94	-33.55	-253.15	-11.09	-1.85	.56	.473								
641	651	JL0-1	0.0	315.76	-2972.23	-5233.20	-91.14	5.02	-942.83	2.21	3.79	1.57	.197								
			1.5	315.12	-2670.33	-3624.10	-87.41	5.48	-942.83	2.20	2.91	1.52	.169								
			3.0	314.48	-2772.08	-2082.01	-83.79	5.94	-942.83	2.20	2.17	1.47	.145								
			4.6	313.85	-2659.64	-565.00	-80.28	6.38	-942.83	2.20	1.71	1.42	.130								
			6.1	313.22	-2534.24	404.56	-76.85	6.81	-942.83	2.19	1.69	1.38	.130								
642	703	200-1	0.0	-252.98	170.16	666.04	.73	1.38	197.09	-6.65	-3.85	.63	.358								
			5.5	-252.95	213.58	-559.84	-3.91	.04	197.09	-6.65	-3.35	.76	.345								
			11.0	-252.92	166.07	-157.61	-6.27	-1.37	197.09	-6.65	-1.28	.99	.287								
			16.4	-252.84	33.84	523.51	-12.59	-2.66	197.09	-6.65	-2.94	1.22	.333								
			21.9	-252.80	-161.94	1407.54	-16.26	-3.86	197.09	-6.65	-8.27	1.43	.493								
643	653	JL0-1	0.0	1455.23	-1514.05	2203.26	63.77	39.00	666.79	10.18	1.72	1.26	.409								
			1.5	1454.60	-833.63	1139.64	61.57	35.05	666.79	10.18	.89	1.20	.382								
			3.0	1453.96	-212.98	35.68	54.42	32.38	666.79	10.17	.14	1.16	.358								
			4.6	1453.33	348.90	-1029.54	57.32	29.21	666.79	10.17	.68	1.11	.378								
			6.1	1452.69	853.61	-2056.98	55.28	26.13	666.79	10.16	1.40	1.06	.398								
648	701	200-1	0.0	-340.28	6.94	755.37	-2.74	2.20	-165.09	-10.26	-4.23	.65	.507								
			5.5	-340.22	120.00	774.14	2.14	1.24	-165.09	-10.26	-4.38	.59	.512								
			11.0	-340.18	171.22	474.85	0.80	.32	-165.09	-10.26	-2.85	.82	.468								
			16.5	-340.16	163.41	-115.64	11.24	.55	-165.09	-10.26	-1.12	1.05	.419								
			21.9	-340.14	99.40	-994.47	15.42	-1.38	-165.09	-10.26	-5.59	1.28	.546								

ST MAIN MEMBER DETAIL REPORT

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

MEMBER GROUP AND SECTN	PRU- END	DIST	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FORCE		TORSION		AXIAL BENDING STRESS		SHEAR STRESS		COMB. STRESS	UNITY CHECK
						FY KIPS	FZ KIPS	MX IN-KIPS	MY IN-KIPS	Z	Y	Z	Y		
045- 700 200- 1	0.0	502.10	-422.01	57.41	0.43	-3.03	11.24	15.30	2.39	0.23	0.23	0.04	0.63		
	5.5	502.21	-550.75	-74.91	0.10	0.10	11.24	15.30	3.11	0.04	0.04	0.21	0.63		
	11.0	502.24	-440.17	-70.24	-0.23	3.42	11.24	15.30	2.49	0.21	0.21	0.38	0.53		
	16.4	502.25	-100.41	-45.35	-0.52	6.67	11.24	15.31	0.65	0.38	0.38	0.54	0.69		
	21.9	502.27	-431.94	-2.74	-0.77	9.67	11.24	15.31	2.42	0.54	0.54	0.60	0.473		
046- 050 JLO- 1	0.0	1449.05	2705.52	1177.05	7.94	-39.31	-255.06	-11.69	-1.45	0.60	0.60	0.56	0.460		
	1.5	1700.44	2008.72	1044.42	6.56	-33.50	-255.06	-11.90	-1.46	0.56	0.56	0.52	0.449		
	3.0	1701.12	1442.52	937.35	5.22	-30.76	-255.06	-11.90	-1.10	0.52	0.52	0.48	0.440		
	4.6	1701.76	445.51	453.84	3.93	-24.11	-255.06	-11.91	-0.80	0.48	0.48	0.44	0.434		
	6.1	1702.34	450.24	793.67	2.04	-25.55	-255.06	-11.91	-0.58	0.44	0.44	0.48	0.440		
051- 701 JLO- 1	0.0	319.05	-2637.22	-41.33	-32.27	20.74	-1850.63	2.23	1.66	1.12	1.12	1.08	1.25		
	1.4	314.32	-2144.41	603.54	-28.37	21.26	-1850.63	2.23	1.43	1.08	1.08	1.04	1.14		
	3.5	317.58	-1731.16	1107.16	-24.54	21.77	-1850.63	2.22	1.31	1.01	1.01	1.01	1.14		
	5.3	316.45	-1262.61	1651.96	-20.92	22.25	-1850.63	2.22	1.31	0.98	0.98	0.98	1.21		
	7.1	316.11	-743.05	2054.77	-17.36	22.73	-1850.63	2.21	1.36	0.98	0.98	0.98	1.21		
053- 703 JLO- 1	0.0	1517.14	741.73	-1722.45	23.63	15.33	900.66	10.61	1.18	0.68	0.68	0.62	0.418		
	1.4	1516.34	1039.73	-2701.05	21.30	11.83	900.66	10.61	1.33	0.62	0.62	0.57	0.427		
	3.5	1515.65	1240.25	-2630.42	19.05	8.43	900.66	10.60	1.43	0.57	0.57	0.53	0.435		
	5.3	1514.91	1390.46	-3012.42	16.85	5.13	900.66	10.59	2.08	0.49	0.49	0.49	0.441		
	7.1	1514.16	1445.50	-3344.42	14.72	1.93	900.66	10.59	2.30	0.49	0.49	0.49	0.441		
056- 706 JLO- 1	0.0	1702.40	450.24	743.74	2.68	-24.74	-254.69	-11.91	-0.58	0.43	0.43	0.39	0.432		
	1.4	1703.14	-34.30	751.68	1.26	-21.83	-254.69	-11.91	-0.47	0.39	0.39	0.35	0.434		
	3.5	1703.48	-473.64	734.62	-0.11	-19.01	-254.69	-11.92	-0.55	0.35	0.35	0.31	0.439		
	5.3	1704.63	-644.34	756.08	-1.43	-16.26	-254.69	-11.93	-0.71	0.31	0.31	0.27	0.444		
	7.1	1705.37	-1167.90	400.30	-2.72	-13.65	-254.69	-11.93	-0.69	0.27	0.27	0.27	0.444		
701- 702 157- 1	0.0	-64.11	47.04	-75.76	2.72	-0.87	20.39	-4.53	-2.31	0.62	0.62	0.56	0.333		
	4.7	-64.11	21.26	-165.44	0.48	-0.76	20.39	-4.53	-3.42	0.56	0.56	0.49	0.310		
	9.4	-64.11	-14.10	-124.47	-1.75	0.67	20.39	-4.53	-3.00	0.49	0.49	0.48	0.270		
	14.1	-64.11	-54.72	31.47	-3.48	-0.59	20.39	-4.53	-1.44	0.48	0.48	0.48	0.270		
	14.4	-64.11	-46.24	317.53	-6.14	-0.53	20.39	-4.53	-7.51	0.48	0.48	0.48	0.270		
701- 704 157- 1	0.0	24.57	135.48	-79.63	2.71	-1.24	-1.95	1.96	3.59	0.43	0.43	0.30	0.165		
	4.7	24.58	60.54	-160.36	0.44	-1.13	-1.95	1.96	4.17	0.30	0.30	0.28	0.108		
	9.4	24.59	7.77	-133.66	-1.75	-1.03	-1.95	1.96	3.06	0.28	0.28	0.28	0.108		
	14.1	24.61	-66.47	27.47	-3.48	-0.92	-1.95	1.96	1.24	0.28	0.28	0.28	0.108		
	14.4	24.62	-45.64	314.04	-6.20	-0.81	-1.95	1.96	7.49	0.28	0.28	0.28	0.108		
701- 701 JL7- 1	0.0	-63.32	54.64	2004.24	-21.00	-2.62	-457.75	-1.18	-2.55	0.89	0.89	0.89	0.172		
	0.6	-64.44	-163.00	3140.68	-4.14	-1.34	-457.75	-1.20	-4.06	0.55	0.55	0.55	0.165		
	13.2	-64.03	-167.58	3489.05	1.46	-0.26	-457.75	-1.22	-4.44	0.33	0.33	0.33	0.165		
	19.8	-67.38	-145.33	2983.54	11.17	0.80	-457.75	-1.24	-3.80	0.61	0.61	0.61	0.165		
	26.4	-68.75	-83.38	1744.71	20.03	1.76	-457.75	-1.26	-2.22	0.86	0.86	0.86	0.116		

STRAN MEMBER DETAIL REPORT

LOAD CONFIGURATION NO. 2 U.S. NAVY - ACRH PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP AND SECTN	X FROM END	Y FROM END	Z FROM END	FORCE			MOMENT			SHEAR FORCE			TORSION			AXIAL BENDING STRESS			SHEAR STRESS			COMB. STRESS UNIT / CHECK
					FX	FY	FZ	MX	MY	MZ	FX	FY	FZ	TX	TY	TZ	STRESS	STRESS	STRESS	STRESS	STRESS	STRESS	
701	606 200	1	0.0	279.58	547.68	13.69	-6.94	1.27	7.55	5.87	.41	.81	.441										
			12.2	279.85	-158.64	5.89	-5.31	1.27	7.55	3.15	.35	.35	.356										
			24.4	274.84	-399.51	-643.76	-1.40	1.27	7.55	5.22	.08	.08	.421										
			36.6	274.75	-192.15	-170.55	2.61	1.27	7.55	1.44	.43	.43	.301										
			48.8	270.45	407.57	1366.58	-13.21	1.27	7.55	7.98	.75	.75	.504										
702	705 157	1	0.0	-76.54	175.88	4.59	.97	-23.87	-5.27	-4.51	.92	.92	.394										
			4.7	-76.84	-33.48	-20.60	1.05	-23.87	-5.27	-9.0	.63	.63	.326										
			9.4	-76.44	25.57	-93.68	.21	-23.87	-5.27	-2.22	.42	.42	.326										
			14.1	-76.84	66.75	-44.02	-1.47	-23.87	-5.27	-2.22	.58	.58	.333										
			18.8	-76.84	149.54	127.72	4.15	-23.87	-5.27	-4.48	.86	.86	.401										
702	704 127	1	0.0	.14	23.07	-3.24	.79	-5.76	.01	.02	.23	.23	.026										
			4.7	.14	-16.19	-5.20	-2.48	-5.76	.01	.44	.17	.17	.014										
			9.4	.14	-28.50	-2.18	.05	-5.76	.01	.95	.12	.12	.030										
			14.1	.14	-24.01	.87	.25	-5.76	.01	.82	.14	.14	.026										
			18.8	.14	-8.45	3.91	.61	-5.76	.01	.15	.20	.20	.005										
702	705 127	1	0.0	14.68	23.57	149.84	-7.1	1.98	1.23	5.07	.72	.72	.205										
			4.7	14.69	-19.97	-23.00	-3.8	1.98	1.23	5.0	.39	.39	.068										
			9.4	14.70	-19.02	-85.85	.14	1.98	1.23	2.94	.06	.06	.136										
			14.1	14.70	-12.80	-58.67	-1.82	1.98	1.23	1.36	.34	.34	.086										
			18.8	14.71	12.51	118.58	-3.77	1.98	1.24	3.99	.67	.67	.169										
703	705 157	1	0.0	14.84	174.42	107.48	-1.32	16.55	1.02	4.78	.42	.42	.187										
			4.7	14.84	105.84	49.01	-1.29	16.55	1.02	2.68	.42	.42	.120										
			9.4	14.84	34.44	-9.88	-1.25	16.55	1.02	.83	.41	.41	.052										
			14.1	14.84	-52.55	-68.73	-1.17	16.55	1.02	1.74	.40	.40	.090										
			18.8	14.84	-95.82	-127.80	-1.06	16.55	1.02	3.64	.39	.39	.151										
703	801 200	1	0.0	249.55	812.01	-1647.88	-6.72	-3.40	6.56	10.28	.98	.98	.554										
			12.2	249.58	45.80	251.74	-3.78	-3.40	6.56	1.45	.51	.51	.274										
			24.4	249.62	-304.55	457.68	-1.49	-3.40	6.56	5.92	.08	.08	.406										
			36.6	249.68	-299.58	577.78	6.02	-3.40	6.56	3.57	.34	.34	.341										
			48.8	249.75	119.16	-720.09	12.52	-3.40	6.56	4.47	.70	.70	.370										
703	805 JL7	1	0.0	1218.28	2317.44	-2426.17	6.87	11.52	-288.09	17.21	4.27	.56	.734										
			6.6	1214.95	2797.15	-2691.72	-6.05	-6.97	-288.09	17.19	4.94	.21	.754										
			13.2	1213.58	2467.87	-2453.67	-6.58	-6.97	-288.09	17.17	4.41	.49	.737										
			19.8	1212.17	1400.85	-1697.85	-12.15	-17.92	-288.09	17.15	2.80	.60	.685										
			26.4	1210.78	-587.81	-524.88	-17.45	-28.17	-288.09	17.13	.80	1.07	.822										
704	705 127	1	0.0	-14.86	1.50	155.51	-6.67	3.93	-1.25	-5.20	.75	.75	.215										
			4.7	-14.86	-25.82	-16.93	-3.30	-1.25	-1.03	.42	.42	.42	.084										
			9.4	-14.86	-82.48	.21	.06	-1.25	-2.98	.10	.10	.10	.145										
			14.1	-14.86	-59.80	-1.73	.41	-1.25	-1.48	.36	.36	.36	.098										
			18.8	-14.86	12.42	112.42	.74	-1.25	-3.78	.70	.70	.70	.171										

STIRLAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8 U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - M/L 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	FROM END	TO END	FX KIPS	FY KIPS	FZ KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	FX KIPS	FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /	BENDING Y	BENDING Z	SHEAR STRESS	SHEAR STRESS	COMB. STRESS
704	700 137= 1	0.0	4.7	39.54	-94.92	162.44	4.51	2.29	0.47	-6.09	2.71	4.29	0.69	0.69	0.230			
		4.7	9.4	39.55	-65.25	-28.88	2.29	45.92	0.58	-6.09	2.71	1.63	0.39	0.39	0.146			
		9.4	14.1	39.57	-28.88	-40.41	0.10	14.09	0.71	-6.09	2.71	0.99	0.17	0.17	0.126			
		14.1	18.8	39.58	14.09	155.21	-2.06	36.71	1.00	-6.09	2.72	3.44	0.68	0.68	0.203			
		18.8		39.60	36.71		-4.19			-6.09	2.72							
705	700 137= 1	0.0	4.7	36.09	-91.01	103.38	0.09	0.09	0.27	-6.25	2.48	3.14	0.20	0.20	0.146			
		4.7	9.4	36.09	-72.88	53.50	0.09	53.50	0.38	-6.25	2.48	2.06	0.20	0.20	0.151			
		9.4	14.1	36.09	-47.85	3.62	0.09	3.62	0.51	-6.25	2.48	1.09	0.21	0.21	0.121			
		14.1	18.8	36.09	-15.22	-44.20	0.89	-15.22	0.85	-6.25	2.48	1.11	0.22	0.22	0.121			
		18.8		36.09	23.28	-46.14	0.89	23.28	0.79	-6.25	2.48	2.27	0.23	0.23	0.158			
706	805 200= 1	0.0	12.2	-500.12	-1000.22	289.17	1.58	289.17	4.06	-22.01	-13.15	-5.87	0.54	0.54	0.625			
		12.2	24.6	-500.05	-28.98	91.31	1.13	91.31	3.12	-22.01	-13.14	-1.54	0.34	0.34	0.617			
		24.6	36.8	-500.00	498.24	-40.87	0.88	-40.87	1.30	-22.01	-13.14	-2.79	0.14	0.14	0.704			
		36.8	48.3	-499.89	421.88	-109.48	0.25	-109.48	-2.28	-22.01	-13.14	-2.44	0.18	0.18	0.690			
		48.3		-499.79	-160.20	-119.29	-0.12	-119.29	-5.64	-22.01	-13.14	-1.12	0.36	0.36	0.639			
709	806 J17= 1	0.0	6.8	-1081.45	-1635.58	498.88	13.00	498.88	-11.91	-25.88	-15.30	-2.17	0.52	0.52	0.616			
		6.8	13.2	-1082.80	-2239.80	-555.95	8.70	-555.95	-3.30	-25.88	-15.32	-2.87	0.28	0.28	0.638			
		13.2	19.6	-1084.17	-689.73	1697.71	4.87	1697.71	4.35	-25.88	-15.34	-3.00	0.20	0.20	0.642			
		19.6	25.9	-1085.52	-1583.42	-1138.59	1.44	-1138.59	11.21	-25.88	-15.36	-2.46	0.34	0.34	0.628			
		25.9		-1087.88	-429.17	-1124.58	-1.84	-1124.58	17.37	-25.88	-15.38	-1.53	0.51	0.51	0.604			
710	810 P2= 1	0.0	9.6	-206.84	-771.91	4801.94	17.48	4801.94	-1.09	-1158.52	-8.62	-1.49	0.38	0.38	0.090			
		9.6	19.2	-211.87	-828.09	3079.88	17.48	3079.88	-2.28	-1158.52	-8.4	-1.33	0.38	0.38	0.073			
		19.2	28.8	-216.50	-818.84	1697.71	17.48	1697.71	0.52	-1158.52	-8.66	-1.79	0.38	0.38	0.057			
		28.8		-221.33	-743.54	315.74	17.48	315.74	1.33	-1158.52	-8.88	-1.34	0.36	0.36	0.043			
			38.4	-226.16	-688.81	-1086.23	17.48	-1086.23	2.13	-1158.52	-8.90	-1.51	0.38	0.38	0.049			
711	811 P2= 1	0.0	6.8	-2180.82	5387.76	1554.67	-1.13	1554.67	3.43	-568.26	-8.68	-2.33	0.15	0.15	0.383			
		6.8	13.2	-2185.45	5870.81	1647.98	-1.13	1647.98	4.23	-568.26	-8.70	-2.48	0.15	0.15	0.387			
		13.2	19.6	-2190.28	6037.51	1737.25	-1.13	1737.25	5.04	-568.26	-8.71	-2.62	0.16	0.16	0.392			
		19.6	26.0	-2195.11	6467.85	1826.54	-1.13	1826.54	5.84	-568.26	-8.73	-2.80	0.17	0.17	0.398			
		26.0		-2199.94	6981.82	1915.82	-1.13	1915.82	6.65	-568.26	-8.75	-3.01	0.17	0.17	0.405			
712	812 P2= 1	0.0	6.8	1923.88	-4007.88	424.90	-3.29	424.90	-7.37	-355.02	7.85	1.67	0.15	0.15	0.319			
		6.8	13.2	1914.05	-4637.85	302.88	-3.29	302.88	-7.58	-355.02	7.84	1.44	0.15	0.15	0.327			
		13.2	19.6	1914.22	-5203.84	582.47	-3.29	582.47	-6.76	-355.02	7.82	2.18	0.13	0.13	0.334			
		19.6	26.0	1909.39	-5708.53	822.28	-3.29	822.28	-5.98	-355.02	7.80	2.40	0.13	0.13	0.340			
		26.0		1904.56	-6145.82	1082.04	-3.29	1082.04	-5.15	-355.02	7.58	2.60	0.12	0.12	0.346			
801	802 188= 1	0.0	5.6	-22.02	47.14	-106.53	2.86	-106.53	-0.85	23.41	-1.51	-2.68	0.56	0.56	0.171			
		5.6	11.3	-22.02	5.75	-184.80	2.86	-184.80	-0.58	23.41	-1.51	-4.22	0.35	0.35	0.220			
		11.3	17.9	-22.02	-30.75	-141.45	-1.54	-141.45	-0.50	23.41	-1.51	-3.50	0.49	0.49	0.193			
		17.9	22.5	-22.02	-88.20	23.54	-3.34	23.54	-0.43	23.41	-1.51	-1.52	0.73	0.73	0.135			
		22.5		-22.02	-88.88	310.07	-3.34	310.07	-0.59	23.41	-1.51	-7.36	0.97	0.97	0.197			

STRAN MEMBER DETAIL REPORT

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

MEMBER GROUP AND SECTN	FROM END	TO END	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	FX KIPS	FZ KIPS	TORSION MK IN-KIPS	AXIAL STRESS Y /	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMP. UNIT	CHECK
001= 004 100= 1	0.0	56.25	151.04	-106.70		2.04	-1.03	10.08	3.86	4.24	.43	.03	.268	.268
	5.8	56.24	84.80	-163.15		.22	-.86	10.08	3.86	4.60	.25	.25	.280	.280
	11.3	56.23	24.50	-136.95		-1.54	-.89	10.08	3.86	3.17	.36	.36	.234	.234
	16.9	56.25	-55.05	31.43		-3.41	-.81	10.08	3.86	1.08	.60	.60	.168	.168
	22.5	56.22	-87.47	325.18		-5.22	-.74	10.08	3.86	7.64	.84	.84	.376	.376
001= 001 J00= 1	0.0	154.24	-192.84	1765.88		-4.08	.95	-133.43	2.18	2.26	.20	.20	.147	.147
	6.8	152.87	-77.20	1749.23		4.35	1.68	-133.43	2.16	2.23	.22	.22	.146	.146
	13.7	151.89	109.84	1069.04		12.11	2.69	-133.43	2.14	1.37	.44	.44	.118	.118
	20.5	150.10	541.68	-224.21		14.24	3.43	-133.43	2.12	.54	.64	.64	.091	.091
	27.4	148.86	279.00	-2067.30		26.02	4.08	-133.43	2.10	2.79	.83	.83	.161	.161
001= 003 200= 1	0.0	-225.10	-482.22	614.21		10.80	3.35	27.08	-5.92	-4.34	.66	.66	.431	.431
	14.0	-225.00	-350.00	-612.07		4.17	1.97	27.08	-5.91	-3.43	.32	.32	.399	.399
	24.0	-224.48	179.44	-807.48		-1.76	.60	27.08	-5.91	-4.63	.17	.17	.439	.439
	41.9	-224.74	146.47	-45.14		-7.26	-.76	27.08	-5.91	-.97	.46	.46	.318	.318
	55.9	-224.48	-79.55	1405.45		-12.34	-2.15	27.08	-5.91	-8.99	.73	.73	.582	.582
002= 005 100= 1	0.0	-31.48	-92.21	150.41		3.55	.76	-33.07	-2.16	-4.03	.68	.68	.251	.251
	5.8	-31.48	-58.72	-28.58		1.72	.82	-33.07	-2.16	-1.10	.64	.64	.158	.158
	11.3	-31.48	16.64	-86.93		-.02	.88	-33.07	-2.16	-2.03	.50	.50	.188	.188
	16.9	-31.08	74.18	-25.58		-1.79	.91	-33.07	-2.16	-1.90	.65	.65	.184	.184
	22.5	-31.48	141.76	154.57		-3.54	.94	-33.07	-2.16	-4.79	.88	.88	.275	.275
002= 004 140= 1	0.0	-.51	26.36	-2.45		-.04	-.58	-11.51	-.04	-.49	.29	.29	.030	.030
	5.8	-.51	-5.02	.25		-.04	-.35	-11.51	-.04	-.17	.25	.25	.007	.007
	11.3	-.51	20.24	2.98		-.04	-.10	-11.51	-.04	-.68	.21	.21	.023	.023
	16.9	-.51	-18.35	5.86		-.04	.16	-11.51	-.04	-.64	.22	.22	.022	.022
	22.5	-.51	1.00	4.36		-.04	.43	-11.51	-.04	-.28	.27	.27	.011	.011
002= 005 140= 1	0.0	12.52	27.43	162.10		3.42	-.54	8.28	1.05	5.50	.72	.72	.211	.211
	5.8	12.53	1.45	-14.84		1.61	-.30	8.28	1.05	4.49	.45	.45	.052	.052
	11.3	12.51	-13.17	-82.42		.20	-.06	8.28	1.05	2.79	.17	.17	.125	.125
	16.9	12.44	-8.28	-41.26		-1.42	.20	8.28	1.05	1.41	.38	.38	.081	.081
	22.5	12.47	14.68	108.46		-3.03	.48	8.28	1.05	3.67	.65	.65	.153	.153
003= 005 100= 1	0.0	-47.08	214.77	65.40		.56	-1.24	7.15	-3.23	-5.23	.27	.27	.351	.351
	5.8	-47.08	136.47	27.75		.56	-1.21	7.15	-3.23	-3.19	.26	.26	.286	.286
	11.3	-47.08	57.22	-93.90		.56	-1.15	7.15	-3.23	-1.33	.26	.26	.227	.227
	16.9	-47.08	-17.42	-47.54		.56	-1.08	7.15	-3.23	-1.16	.25	.25	.216	.216
	22.5	-47.08	-48.11	-85.19		.56	-1.00	7.15	-3.23	-2.80	.24	.24	.269	.269
003= 003 J00= 1	0.0	701.40	446.14	-1264.84		-1.83	10.36	-156.02	-9.42	2.01	.40	.40	.409	.409
	6.8	699.96	1469.50	-423.82		-6.74	2.42	-156.02	9.40	2.21	.30	.30	.315	.315
	13.7	698.52	1361.50	-173.71		-11.48	4.96	-156.02	9.40	1.74	.45	.45	.390	.390
	20.5	697.10	685.27	453.33		-15.42	-11.92	-156.02	9.40	1.48	.66	.66	.390	.390
	27.4	695.68	-544.54	2434.62		-20.12	-14.50	-156.02	9.40	3.18	.87	.87	.403	.403

STHAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8 U.S. NAVY - ACAR PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP ADD SECTN	DIST END	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FORCE		TORSION		AXIAL STRESS		BENDING STRESS		SHEAR STRESS		COMB. STRESS	CHECK
						KIPS	KIPS	IN-KIPS	IN-KIPS	FX	FZ	MX	MZ	Y	Z		
803	906 200= 1	0.0	469.91	1324.16	146.18	.61	9.29	-20.63	12.33	7.46	.55	.55	.665				
		14.0	469.95	109.76	37.52	.49	5.23	-20.93	12.33	.65	.33	.33	.450				
		28.0	469.96	448.14	-20.59	.21	-1.45	-20.63	12.33	2.50	.13	.13	.508				
		41.0	469.04	-395.55	-35.64	-.03	1.94	-20.03	12.33	2.22	.16	.16	.500				
		55.9	469.10	195.58	-12.10	-.26	4.90	-20.63	12.33	1.10	.32	.32	.464				
804	805 140= 1	0.0	-11.95	-7.24	143.69	5.20	-.52	5.28	-1.00	-4.81	.60	.60	.195				
		5.6	-11.95	-32.62	-21.22	1.04	-.24	3.28	-1.00	-1.31	.34	.34	.084				
		11.3	-11.95	-39.54	-62.46	.15	.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				
805	806 160= 1	0.0	64.67	-75.95	167.80	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	.193				
		11.3	64.66	-57.19	-97.94	.54	.30	-2.24	4.44	2.39	.09	.09	.230				
		16.9	64.66	-10.41	-62.40	-1.39	.45	-2.24	4.44	1.44	.23	.23	.200				
		22.5	64.65	21.52	69.37	-5.10	.51	-2.24	4.44	2.10	.46	.46	.221				
806	806 180= 1	0.0	-29.66	-75.02	153.62	.97	.08	-0.94	-2.03	-3.47	.21	.21	.226				
		5.6	-29.66	-65.01	67.23	.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	-11.54	-127.34	.97	.37	-0.94	-2.03	-2.92	.22	.22	.209				
807	901 200= 1	0.0	-265.77	-495.06	-1302.55	-12.54	2.70	-45.57	-6.99	-7.80	.60	.60	.606				
		14.0	-265.70	-119.15	275.75	-6.54	1.76	-45.57	-6.98	-1.58	.47	.47	.596				
		28.0	-265.64	102.45	843.91	-.44	.86	-45.57	-6.98	-4.76	.18	.18	.501				
		41.0	-265.54	168.56	450.36	5.13	-.06	-45.57	-6.98	-2.99	.40	.40	.430				
		55.9	-265.56	69.68	-860.04	10.44	-1.12	-45.57	-6.98	-4.83	.68	.68	.504				
808	906 160= 1	0.0	-604.62	-514.47	-624.66	5.37	-10.98	-742.60	-11.41	-1.03	.82	.82	.446				
		5.6	-604.04	-1176.00	-945.76	2.51	-5.23	-742.60	-11.43	-1.92	.64	.64	.471				
		11.3	-609.04	-1390.56	-1045.26	-.05	-.07	-742.60	-11.45	-2.21	.47	.47	.479				
		20.5	-610.42	-1201.25	-945.58	-2.55	4.60	-742.60	-11.47	-1.94	.52	.52	.473				
		27.4	-612.22	-647.54	-665.54	-4.45	9.61	-742.60	-11.49	-1.16	.75	.75	.453				
809	910 140= 1	0.0	-224.14	-604.67	-1064.76	17.54	6.85	-483.59	-8.90	-5.51	.25	.25	.049				
		6.6	-231.15	-49.51	-2509.76	17.54	7.67	-483.59	-8.92	-1.05	.25	.25	.067				
		13.7	-236.17	654.45	-3444.76	17.54	9.51	-483.59	-8.94	-1.67	.26	.26	.097				
		20.5	-241.16	1347.05	-5369.75	17.54	9.34	-483.59	-8.96	-2.32	.26	.26	.109				
		27.4	-246.20	2149.44	-6429.75	17.54	10.16	-483.59	-8.98	-2.99	.26	.26	.131				
810	911 140= 1	0.0	-2200.20	6464.22	1407.41	-1.42	-54.29	-685.86	-8.75	-3.01	.58	.58	.406				
		6.6	-2205.21	2504.22	2023.94	-1.42	-53.66	-685.86	-8.77	-1.35	.57	.57	.351				
		13.7	-2210.23	-1615.09	2140.57	-1.42	-52.62	-685.86	-8.79	-1.17	.56	.56	.356				
		20.5	-2215.24	-6101.75	2257.15	-1.42	-51.78	-685.86	-8.81	-2.71	.56	.56	.400				
		27.4	-2220.26	-10314.68	2375.74	-1.42	-50.95	-685.86	-8.83	-4.41	.55	.55	.447				

STRAN MEMBER DETAIL REPORT

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YK STORM

MEMBER GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	SHEAR FORCE		TORSION MAX IN-KIPS	AXIAL BENDING STRESS		SHEAR STRESS		SHEAR COMB. STRESS UNITY	CHECK
				FZ KIPS	FY KIPS		Y	Z	Y	Z		
812- 412 P2- 1	0.0	1904.79	-6145.62	1089.30	-3.29	40.99	-1820.91	7.58	2.60	.71	.71	.346
	6.8	1898.77	-2745.89	1359.06	-5.29	41.82	-1820.91	7.56	1.28	.71	.71	.304
	13.7	1898.76	-22.87	1624.86	-3.29	42.68	-1820.91	7.54	.74	.72	.72	.286
	20.5	1898.74	4260.07	1444.65	-5.29	43.44	-1820.91	7.52	1.94	.73	.73	.323
	27.4	1898.73	7655.91	2164.43	-5.29	44.33	-1820.91	7.50	3.40	.73	.73	.369
901- 402 104- 1	0.0	108.44	16.17	-170.21	1.89	-4.6	23.34	5.02	2.48	.35	.35	.253
	6.8	108.44	-14.42	-252.10	.18	-3.7	23.34	5.02	3.65	.21	.21	.290
	13.2	108.44	-34.89	-197.98	-1.54	-2.7	23.34	5.02	2.92	.32	.32	.267
	19.6	108.44	-57.64	-7.85	-3.26	-1.6	23.34	5.02	.84	.48	.48	.201
	26.4	108.44	-80.26	318.29	-4.97	-1.04	23.34	5.02	4.71	.64	.64	.324
901- 904 109- 1	0.0	61.30	104.15	-170.56	1.77	-4.2	8.34	2.89	3.23	.24	.24	.203
	6.8	61.29	83.07	-241.94	.63	-7.2	8.34	2.89	3.70	.13	.13	.218
	13.2	61.28	24.34	-176.22	-1.69	-6.3	8.34	2.89	2.59	.23	.23	.182
	19.6	61.29	-17.06	25.43	-5.40	-5.4	8.34	2.89	.94	.38	.38	.115
	26.4	61.30	-56.14	361.90	-5.09	-4.5	8.34	2.89	5.30	.54	.54	.248
901-1001 JLV- 1	0.0	5.51	1020.22	-2014.77	-16.86	-4.11	71.30	.08	2.88	.54	.54	.094
	6.8	4.08	705.95	-897.51	-10.51	-3.56	71.30	.06	1.85	.36	.36	.046
	13.7	2.85	452.50	-281.77	-4.58	-3.11	71.30	.04	.66	.20	.20	.022
	20.5	1.25	143.77	-127.17	.59	-2.72	71.30	.02	.29	.12	.12	.010
	27.4	-.15	-16.55	-249.13	3.05	-2.42	71.30	.00	.38	.16	.16	.012
901-1002 100- 1	0.0	-237.03	-235.93	53.79	4.07	2.33	73.13	-7.85	-2.17	.64	.64	.423
	6.8	-237.15	-54.70	-260.59	1.50	1.24	73.13	-7.86	-2.35	.46	.46	.424
	13.9	-237.25	48.86	-294.54	-1.67	.25	73.13	-7.86	-2.67	.39	.39	.440
	20.4	-237.38	24.42	-72.64	-2.46	-1.64	73.13	-7.86	-3.69	.53	.53	.375
	27.4	-237.50	-76.35	330.76	-3.92	-1.03	73.13	-7.87	-3.04	.60	.60	.452
901-1004 100- 1	0.0	247.51	144.25	114.44	4.59	-2.60	62.52	8.20	1.97	.62	.62	.348
	6.8	247.45	-26.74	-230.50	1.80	-1.15	62.52	8.20	2.08	.42	.42	.351
	13.9	247.35	-74.89	-248.07	-1.57	.25	62.52	8.19	2.75	.32	.32	.372
	20.4	247.24	21.81	-114.37	-2.57	1.39	62.52	8.19	1.04	.47	.47	.318
	27.4	247.19	215.41	237.99	-3.40	1.84	62.52	8.19	2.87	.54	.54	.376
902- 903 109- 1	0.0	47.42	-72.90	123.17	3.01	.61	-33.76	4.59	2.07	.53	.53	.225
	6.8	47.42	-20.56	-47.34	1.50	.71	-33.76	4.59	.75	.38	.38	.144
	13.2	47.42	34.10	-83.15	-1.50	.80	-33.76	4.59	1.33	.33	.33	.202
	19.6	47.42	106.09	14.43	-2.07	.89	-33.76	4.59	1.55	.46	.46	.209
	26.4	47.42	190.41	244.10	-3.73	.96	-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
	6.8	-.83	-2.34	10.03	.04	-.25	-10.63	-.07	-.34	.22	.22	.014
	13.2	-.83	-12.47	7.22	.04	-.12	-10.63	-.07	-.08	.20	.20	.018
	19.6	-.83	-16.82	4.40	.04	.01	-10.63	-.07	-.58	.16	.16	.022
	26.4	-.83	-10.71	1.59	.04	.14	-10.63	-.07	-.36	.20	.20	.015



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LOAD CONDITION NO. 8

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

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END	FORCE		MOMENT		SHEAR FORCE		TORSION		AXIAL BENDING STRESS		SHEAR STRESS		COMB. STRESS UNIT
			FA KIPS	FB KIPS	MA IN-KIPS	MB IN-KIPS	FV KIPS	FZ KIPS	MX IN-KIPS	MY IN-KIPS	STRESS Y	STRESS Z	STRESS Y	STRESS Z	
902	905 149-1	0.0	11.40	20.75	102.20	0.00	3.09	-0.32	5.93	0.99	6.17	0.62	0.62	0.230	
		0.0	11.40	0.00	-5.09	0.00	1.05	-0.19	5.93	0.99	0.34	0.38	0.38	0.045	
		13.2	11.79	-0.59	-79.44	0.00	0.23	-0.05	5.93	0.99	2.66	0.14	0.14	0.119	
		14.0	11.70	0.42	-42.54	0.00	-1.16	0.08	5.93	0.99	1.42	0.29	0.29	0.079	
		20.4	11.70	11.09	103.01	0.00	-2.93	0.21	5.93	0.99	3.49	0.53	0.53	0.145	
903	905 149-1	0.0	-104.12	265.72	-8.07	0.00	0.09	-1.24	9.21	-7.74	-3.82	0.18	0.18	0.061	
		0.0	-104.12	169.49	-14.87	0.00	0.09	-1.14	9.21	-7.74	-2.46	0.17	0.17	0.056	
		13.2	-104.12	82.57	-21.60	0.00	0.09	-1.05	9.21	-7.74	-1.24	0.17	0.17	0.056	
		14.0	-104.12	2.98	-28.45	0.00	0.09	-0.96	9.21	-7.74	-0.41	0.16	0.16	0.049	
		20.4	-104.12	-69.28	-55.25	0.00	0.09	-0.87	9.21	-7.74	-1.12	0.15	0.15	0.028	
903	1072 160-1	0.0	259.45	155.46	-457.95	0.00	-5.48	-1.89	10.71	7.93	4.32	0.46	0.46	0.413	
		4.5	259.50	1.57	0.00	0.00	-2.74	-0.81	10.71	7.93	0.06	0.26	0.26	0.278	
		10.9	259.10	-35.60	109.01	0.00	0.16	0.10	10.71	7.92	1.54	0.09	0.09	0.325	
		20.4	259.00	37.90	51.81	0.00	2.15	1.05	10.71	7.92	0.58	0.23	0.23	0.294	
		37.0	259.90	180.25	-204.20	0.00	3.18	1.51	10.71	7.92	2.91	0.31	0.31	0.367	
903	1003 JLY-1	0.0	104.77	92.47	2809.04	0.00	10.50	0.05	-659.14	1.40	3.68	0.94	0.94	0.160	
		0.0	103.34	550.20	1710.24	0.00	12.51	2.48	-659.14	1.46	2.29	0.77	0.77	0.123	
		13.7	101.91	507.44	803.49	0.00	0.50	-3.61	-659.14	1.44	1.27	0.68	0.68	0.090	
		20.5	100.50	-22.57	511.43	0.00	5.04	-9.13	-659.14	1.42	0.40	0.71	0.71	0.062	
		27.4	99.00	-934.93	0.71	0.00	2.77	-12.64	-659.14	1.40	1.19	0.79	0.79	0.080	
903	1005 160-1	0.0	470.74	531.23	23.17	0.00	0.44	-5.01	-14.23	15.79	4.76	0.40	0.40	0.700	
		4.5	470.94	95.34	-11.34	0.00	1.18	-2.64	-14.23	15.79	0.86	0.24	0.24	0.577	
		10.9	470.50	-82.00	-19.44	0.00	0.03	0.07	-14.23	15.79	0.76	0.09	0.09	0.573	
		20.4	470.40	-19.98	-4.24	0.00	0.23	1.40	-14.23	15.78	0.18	0.16	0.16	0.555	
		37.0	470.40	211.07	24.87	0.00	0.33	2.37	-14.23	15.78	1.91	0.22	0.22	0.610	
904	905 149-1	0.0	-10.44	-11.74	145.94	0.00	2.70	0.21	5.08	0.91	4.90	0.57	0.57	0.196	
		0.0	-10.44	-23.33	-21.92	0.00	1.45	-0.08	5.08	0.91	-1.07	0.34	0.34	0.075	
		13.2	-10.44	-24.40	-05.93	0.00	1.11	0.05	5.08	0.91	-2.92	0.12	0.12	0.134	
		14.0	-10.84	-15.14	-38.79	0.00	-1.25	0.10	5.08	0.91	-1.39	0.31	0.31	0.085	
		20.4	-10.84	4.03	114.02	0.00	-2.03	0.32	5.08	0.91	-3.04	0.54	0.54	0.163	
904	906 169-1	0.0	04.75	-51.51	217.55	0.00	3.05	0.09	-19.35	3.24	3.23	0.49	0.49	0.215	
		0.0	04.70	-55.11	-5.60	0.00	1.98	0.00	-19.35	3.24	0.80	0.33	0.33	0.130	
		13.2	04.77	-51.58	-97.00	0.00	0.33	0.19	-19.35	3.24	1.59	0.17	0.17	0.163	
		14.0	04.77	-40.35	-50.59	0.00	-1.50	0.19	-19.35	3.24	1.03	0.26	0.26	0.145	
		20.4	04.77	-21.97	104.50	0.00	-2.91	0.20	-19.35	3.24	1.60	0.42	0.42	0.164	
905	906 169-1	0.0	-140.55	-55.45	103.30	0.00	0.99	-0.34	-5.10	-7.00	-2.77	0.14	0.14	0.510	
		0.0	-140.55	-70.04	105.51	0.00	0.99	-0.25	-5.10	-7.00	-0.90	0.13	0.13	0.499	
		13.2	-140.55	-94.54	27.25	0.00	0.99	-0.15	-5.10	-7.00	-1.42	0.13	0.13	0.494	
		14.0	-140.55	-103.12	-59.42	0.00	0.99	-0.06	-5.10	-7.00	-1.60	0.13	0.13	0.501	
		20.4	-140.55	-104.37	-124.49	0.00	0.99	0.03	-5.10	-7.00	-2.40	0.13	0.13	0.510	

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MLL 93.0 FEET - 50 YN STURM

MEMBER NUMBER	GROUP AND SECTN	PLUM END	PLUM FL.	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FY	SHEAR FZ	TORSION MX	AXIAL STRESS	BENDING Y	BENDING Z	SHEAR STRESS Y	SHEAR STRESS Z	CUMB. STRESS	UNIT CHECK
				KIPS	IN-KIPS	IN-KIPS	KIPS	NIPS	IN-KIPS	/					KSI	/
905-1004	100-1	0.0	0.0	-247.32	-208.04	-524.45	-4.74	1.66	25.34	-8.19	-3.45		.45		.481	
		9.5	9.5	-247.40	-60.24	63.67	-2.13	.95	25.34	-8.20	-1.76		.27		.394	
		18.9	18.9	-247.48	0.78	165.05	.31	.25	25.34	-8.20	-1.48		.14		.417	
		28.4	28.4	-247.55	4.15	4.32	2.43	-.32	25.34	-8.20	-1.04		.28		.369	
		37.8	37.8	-247.55	49.72	-557.20	3.53	-.49	25.34	-8.20	-3.05		.34		.469	
905-1005	100-1	0.0	0.0	-474.55	-504.51	54.41	.47	3.44	17.82	-15.85	-2.78		.31		.627	
		9.5	9.5	-474.60	-21.44	20.45	.20	1.57	17.82	-15.85	-.27		.18		.722	
		18.9	18.9	-474.68	54.72	10.97	-.03	-.21	17.82	-15.86	-.50		.09		.732	
		28.4	28.4	-474.77	-64.92	25.28	-.21	-1.84	17.82	-15.86	-.62		.20		.738	
		37.8	37.8	-474.87	-322.70	53.49	-.27	-2.51	17.82	-15.86	-2.93		.25		.834	
905-1006	100-1	0.0	0.0	-43.50	-115.25	-817.60	.64	-.13	-616.74	-1.52	-1.78		.41		.105	
		9.5	9.5	-44.02	-487.05	791.11	-1.26	3.67	-616.74	-1.54	-1.61		.50		.100	
		13.7	13.7	-46.34	-544.01	-614.94	-2.98	7.05	-616.74	-1.56	-1.04		.61		.083	
		20.5	20.5	-47.76	151.28	-510.35	-4.55	9.69	-616.74	-1.58	-.44		.69		.064	
		27.4	27.4	-49.18	476.05	56.95	-4.55	10.00	-616.74	-1.40	-1.25		.70		.091	
910-1010	100-1	0.0	0.0	-246.28	2189.55	-8830.72	17.48	-4.42	-256.30	-.83	-2.59		.18		.113	
		9.5	9.5	-252.18	1456.50	-8266.15	17.48	-8.43	-256.30	-.85	-3.03		.18		.127	
		13.7	13.7	-254.08	604.25	-4701.58	17.48	-7.45	-256.30	-.87	-3.51		.17		.143	
		20.5	20.5	-255.98	232.74	-11137.01	17.48	-6.87	-256.30	-.89	-4.02		.17		.160	
		27.4	27.4	-259.18	-257.40	-12572.45	17.48	-5.48	-256.30	-.91	-4.53		.17		.177	
911-1011	100-1	0.0	0.0	-2219.24	-10319.04	2379.72	-2.09	185.51	-2084.18	-7.51	-3.82		1.63		.362	
		9.5	9.5	-2225.14	4454.76	2551.58	-2.09	186.09	-2084.18	-7.53	-2.01		1.64		.335	
		13.7	13.7	-2231.04	20309.35	2723.04	-2.09	187.47	-2084.18	-7.55	-7.39		1.64		.497	
		20.5	20.5	-2236.94	35744.73	2444.64	-2.09	188.48	-2084.18	-7.57	-12.93		1.65		.673	
		27.4	27.4	-2242.84	51260.89	5066.35	-2.09	189.84	-2084.18	-7.59	-18.52		1.66		.850	
912-1012	100-1	0.0	0.0	1800.40	7665.01	2175.20	-5.29	-178.65	-2144.86	6.56	2.94		1.60		.315	
		9.5	9.5	1874.50	-6762.15	2444.98	-3.29	-177.64	-2144.86	6.54	2.59		1.59		.303	
		13.7	13.7	1884.60	-21309.43	2714.77	-3.29	-176.68	-2144.86	6.52	7.75		1.59		.465	
		20.5	20.5	1892.71	-35775.94	2984.55	-3.29	-175.68	-2144.86	6.50	12.95		1.58		.629	
		27.4	27.4	1894.81	-50161.00	3254.34	-3.29	-174.64	-2144.86	6.24	18.13		1.57		.792	
1001-1002	200-1	0.0	0.0	2.54	-164.54	-434.37	-2.79	1.04	-64.05	.07	5.31		.35		.170	
		7.6	7.6	2.54	-78.05	-670.64	-3.01	.97	-64.05	.07	3.78		.36		.122	
		15.2	15.2	2.54	6.54	-585.98	-3.25	.84	-64.05	.07	2.16		.37		.071	
		22.7	22.7	2.54	83.84	-77.22	-3.54	.81	-64.05	.07	.64		.38		.023	
		30.3	30.3	2.54	154.45	258.42	-3.85	.74	-64.05	.07	1.69		.40		.056	
1001-1004	200-1	0.0	0.0	-1.65	160.74	-468.98	-3.14	-.41	-130.24	-.04	-5.50		.53		.176	
		7.6	7.6	-1.64	114.72	-676.05	-3.31	-.49	-130.24	-.04	-3.44		.54		.124	
		15.2	15.2	-1.65	71.81	-367.75	-3.47	-.56	-130.24	-.04	-2.10		.55		.089	
		22.7	22.7	-1.65	17.01	-44.57	-3.65	-.64	-130.24	-.04	-.27		.56		.011	
		30.3	30.3	-1.65	-44.64	291.01	-3.75	-.72	-130.24	-.04	-1.65		.56		.054	

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LOAD CONDITION NO. 8 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

MEMBER GROUP AND SECTN	PRM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE		TORSION MX IN-KIPS	AXIAL BENDING STRESS			SHEAR STRESS			CONC. UNITY
					FX KIPS	FZ KIPS		STRESS /KSI	STRESS /KSI	STRESS /KSI	STRESS /KSI	STRESS /KSI	STRESS /KSI	
1002-1003 200-1	0.0	-334.72	-96.93	55.23	1.43	66.98	-8.90	-.62	.26	.26	.476			
	7.6	-334.72	24.60	74.30	1.35	66.98	-8.90	-.45	.26	.26	.466			
	15.2	-334.72	149.23	125.92	1.28	66.98	-8.90	-1.09	.27	.27	.491			
	22.7	-334.72	261.98	211.91	-1.13	66.98	-8.90	-1.89	.27	.27	.520			
	30.3	-334.72	367.83	332.32	-1.51	66.98	-8.90	-2.77	.29	.29	.550			
1002-1004 100-1	0.0	.28	191.25	101.62	.55	-30.25	.02	4.07	.42	.42	.129			
	7.6	.28	100.55	52.15	.55	-30.25	.02	2.12	.43	.43	.098			
	15.2	.28	.19	2.48	.55	-30.25	.02	1.16	.44	.44	.002			
	22.7	.28	-110.58	-47.19	.55	-30.25	.02	2.25	.46	.46	.072			
	30.3	.28	-230.22	-96.88	.55	-30.25	.02	4.69	.47	.47	.149			
1002-1005 100-1	0.0	12.17	151.14	64.25	.59	10.46	.76	3.25	.19	.19	.124			
	7.6	12.16	104.41	34.10	.42	10.46	.76	2.09	.19	.19	.092			
	15.2	12.15	67.94	7.52	.25	10.46	.76	.91	.19	.19	.055			
	22.7	12.14	-16.08	-8.08	.08	10.46	.76	.78	.20	.20	.038			
	30.3	12.13	-93.79	-44.12	-.08	10.46	.76	1.77	.21	.21	.082			
1003-1005 200-1	0.0	-340.36	625.45	-125.61	.54	20.74	-8.95	-3.74	.20	.20	.604			
	7.6	-340.36	415.30	-95.04	.54	20.74	-8.95	-2.38	.21	.21	.548			
	15.2	-340.36	156.28	-64.40	.54	20.74	-8.95	-.90	.21	.21	.491			
	22.7	-340.36	-105.64	-33.91	.54	20.74	-8.95	-.62	.21	.21	.479			
	30.3	-340.36	-376.44	-3.35	.54	20.74	-8.95	-2.11	.22	.22	.539			
1004-1005 100-1	0.0	-11.60	-117.71	66.71	.41	23.50	-.72	-2.57	.32	.32	.113			
	7.6	-11.60	-65.15	33.16	.52	23.50	-.72	-1.57	.30	.30	.075			
	15.1	-11.60	-20.14	8.21	.22	23.50	-.72	-.41	.28	.28	.044			
	22.7	-11.60	15.11	-6.41	.10	23.50	-.72	-.31	.26	.26	.041			
	30.3	-11.60	40.78	-8.97	-.04	23.50	-.72	-.76	.25	.25	.056			
1005-1006 200-1	0.0	341.92	170.65	-4.71	.63	-11.15	9.26	.96	.11	.11	.353			
	7.6	341.92	42.77	56.49	.72	-11.15	9.26	.40	.12	.12	.335			
	15.1	341.92	-92.20	124.42	.72	-11.15	9.26	.87	.12	.12	.350			
	22.7	341.92	-234.06	145.34	.78	-11.15	9.26	1.71	.12	.12	.376			
	30.3	341.92	-352.80	266.49	.78	-11.15	9.26	2.61	.13	.13	.405			
1005-1006 200-1	0.0	341.92	122.72	54.97	.11	29.41	8.99	.71	.18	.18	.335			
	7.6	341.92	-56.00	40.54	.11	29.41	8.99	.40	.19	.19	.326			
	15.1	341.92	-241.61	54.12	.11	29.41	8.99	1.39	.19	.19	.357			
	22.7	341.92	-434.10	63.69	.11	29.41	8.99	2.46	.20	.20	.391			
	30.3	341.92	-635.44	75.26	.11	29.41	8.99	3.57	.20	.20	.426			

STERN MEMBER DETAIL REPORT

LOAD CONDITION NO. 9 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP	SECTN	END	START	FORCE	MOMENT	MOMENT	FX	FY	FZ	TORSION	AXIAL	BENDING	STRESS	SHEAR	CUMB.
			FT.	FT.	KIPS	IN-KIPS	IN-KIPS	KIPS	KIPS	KIPS	IN-KIPS	STRESS	STRESS	STRESS	STRESS	STRESS
101	102	110	1	0.0	-5.42	432.05	-62.96	-7.15	-5.33	7.15	0.01	-5.33	4.86	-5.87	0.06	1.11
				3.0	-5.42	154.39	-39.82	-5.43	-5.33	5.43	0.01	-5.33	1.79	-3.71	0.06	0.84
				7.5	-5.42	-39.14	-16.45	-5.70	-5.33	-5.70	0.01	-5.33	-0.44	-1.55	0.06	0.82
				10.9	-5.42	-142.04	6.51	-1.98	-5.33	-1.98	0.01	-5.33	-1.83	0.61	0.06	0.93
				14.5	-5.42	-211.01	29.67	-0.28	-5.33	-0.28	0.01	-5.33	-2.37	2.77	0.06	0.186
101	104	110	1	0.0	-7.76	459.05	-57.70	-7.42	-7.44	7.42	0.01	-7.44	4.94	-5.38	0.05	1.15
				3.0	-7.76	154.72	-34.71	-5.70	-7.44	5.70	0.01	-7.44	1.74	-3.61	0.05	0.88
				7.2	-7.76	-55.58	-19.71	-3.96	-7.44	-3.96	0.01	-7.44	0.62	-1.84	0.05	0.62
				10.9	-7.76	-191.04	-7.71	-2.25	-7.44	-2.25	0.01	-7.44	-2.14	0.07	0.05	0.32
				14.5	-7.76	-251.06	14.29	-0.53	-7.44	-0.53	0.01	-7.44	-2.82	1.71	0.05	0.169
101	201	110	1	0.0	-14.57	340.07	652.48	5.97	9.08	5.97	-120.68	-0.21	-1.18	2.46	0.34	0.45
				3.0	-14.57	112.13	217.13	5.97	9.08	5.97	-120.68	-0.23	-0.38	0.66	0.05	0.20
				7.5	-14.57	150.82	-214.54	5.97	9.08	5.97	-120.68	-0.24	-0.42	0.35	0.05	0.22
				11.5	-14.57	425.36	-654.33	5.97	9.08	5.97	-120.68	-0.25	-1.22	0.34	0.05	0.08
				15.0	-14.57	694.11	-1090.07	5.97	9.08	5.97	-120.68	-0.27	-2.02	0.34	0.05	0.074
102	105	110	1	0.0	-5.38	210.45	24.55	0.11	0.44	0.11	0.01	-0.33	-2.36	2.46	0.05	0.28
				3.0	-5.38	169.37	7.09	1.83	0.44	1.83	0.01	-0.33	-1.89	0.66	0.05	0.97
				7.5	-5.38	-51.34	-12.10	3.55	0.44	3.55	0.01	-0.33	-0.58	-1.13	0.05	0.72
				10.9	-5.38	140.51	-31.41	5.27	0.44	5.27	0.01	-0.33	1.58	-2.93	0.05	0.62
				14.5	-5.38	407.51	-50.67	6.99	0.44	6.99	0.01	-0.33	4.57	-0.73	0.05	0.523
102	104	110	1	0.0	0.62	1.17	4.15	-0.17	0.06	-0.17	0.00	0.09	0.06	0.74	0.01	0.09
				3.0	0.62	-4.23	1.39	-0.06	0.06	-0.06	0.00	0.09	-0.20	0.25	0.01	0.14
				7.2	0.62	-5.84	-1.36	0.01	0.06	0.01	0.00	0.09	-0.28	-0.25	0.01	0.00
				10.9	0.62	-3.87	-0.14	0.04	0.06	0.04	0.00	0.09	-0.18	-0.74	0.01	0.05
				14.5	0.62	2.27	-0.91	0.16	0.06	0.16	0.00	0.09	0.11	-1.23	0.01	0.09
102	105	110	1	0.0	0.06	-1.14	-0.63	-0.20	-0.02	-0.20	-0.00	0.06	-0.05	-0.15	0.00	0.09
				3.0	0.06	-7.91	1.10	-0.11	-0.02	-0.11	-0.00	0.06	-0.38	0.02	0.00	0.15
				7.2	0.06	-10.84	1.03	-0.03	-0.02	-0.03	-0.00	0.06	-0.52	0.18	0.00	0.01
				10.9	0.06	-10.09	1.96	-0.02	-0.02	-0.02	-0.00	0.06	-0.49	0.35	0.00	0.03
				14.5	0.06	-5.51	2.89	0.15	-0.02	0.15	-0.00	0.06	-0.27	0.52	0.00	0.029
103	105	110	1	0.0	-9.01	331.37	46.96	0.57	0.57	0.57	0.04	-0.56	3.72	4.34	0.04	1.02
				3.0	-9.01	82.98	30.70	0.57	0.57	0.57	0.04	-0.56	0.93	2.86	0.04	0.75
				7.2	-9.01	-90.57	14.44	0.57	0.57	0.57	0.04	-0.56	-1.02	1.35	0.04	0.49
				10.9	-9.01	-189.24	-1.82	0.57	0.57	0.57	0.04	-0.56	-2.12	-0.17	0.04	0.22
				14.5	-9.01	-213.17	-18.09	0.57	0.57	0.57	0.04	-0.56	-2.39	-1.69	0.04	0.158
103	205	110	1	0.0	-19.57	-240.92	-573.10	7.17	-10.21	7.17	97.63	-0.20	-1.00	0.35	0.35	0.39
				3.0	-19.57	55.04	-113.76	7.17	-10.21	7.17	97.63	-0.22	-0.19	0.35	0.35	0.14
				7.5	-19.57	350.61	345.56	7.17	-10.21	7.17	97.63	-0.23	-0.78	0.35	0.35	0.33
				11.5	-19.57	641.54	804.92	7.17	-10.21	7.17	97.63	-0.24	-1.65	0.35	0.35	0.61
				15.0	-19.57	1004.15	1264.26	7.17	-10.21	7.17	97.63	-0.25	-2.53	0.35	0.35	0.89

STAIN MEMBER DETAIL REPORT

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LOAD CONDITION NO. 9 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YR STORM

MEMBER GROUP NO.	MEMBER NO.	MEMBER TYPE	MEMBER LENGTH (FT)	MEMBER START (FT)	MEMBER END (FT)	FORCE FX (KIPS)	FORCE FY (KIPS)	MOMENT MY (IN-KIPS)	MOMENT MZ (IN-KIPS)	SHEAR FORCE (KIPS)	TORSION (IN-KIPS)	AXIAL STRESS (KSI)	BENDING STRESS (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. CHECK	
104	105	105	10.9	0.0	10.9	-1.09	0.03	-2.32	4.78	0.03	0.01	-0.16	-0.11	0.01	0.07	0.043	
			5.5	5.5	0.0	-1.09	0.03	-6.06	3.59	0.03	0.01	-0.16	-0.29	0.01	0.02	0.042	
			7.5	0.0	7.5	-1.09	0.03	-6.06	2.41	0.03	0.01	-0.16	-0.29	0.01	0.03	0.034	
			10.9	0.0	10.9	-1.09	0.03	-2.17	1.22	0.03	0.01	-0.16	-0.10	0.01	0.07	0.021	
			14.5	0.0	14.5	-1.09	0.03	5.84	0.03	0.03	0.01	-0.16	-0.26	0.01	0.12	0.018	
104	106	106	0.0	0.0	0.0	-6.43	0.01	-249.36	6.60	0.01	0.04	-0.42	-2.80	0.00	0.04	0.128	
			5.0	5.0	0.0	-6.43	0.01	-221.05	7.03	0.01	0.04	-0.42	-2.49	0.00	0.23	0.119	
			7.5	0.0	7.5	-6.43	0.01	-114.05	7.47	0.01	0.04	-0.42	-1.34	0.00	0.50	0.094	
			10.9	0.0	10.9	-6.43	0.01	58.52	7.91	0.01	0.04	-0.42	0.66	0.00	0.77	0.064	
			14.5	0.0	14.5	-6.43	0.01	317.15	8.55	0.01	0.04	-0.42	3.56	0.00	1.61	0.157	
105	106	106	0.0	0.0	0.0	-4.24	0.20	-210.05	15.10	0.20	0.03	-0.51	-2.45	0.02	0.11	0.148	
			5.0	5.0	0.0	-4.24	0.20	-151.00	16.50	0.20	0.03	-0.51	-1.70	0.02	0.37	0.096	
			7.5	0.0	7.5	-4.24	0.20	-97.77	2.10	0.20	0.03	-0.51	-1.11	0.02	0.64	0.032	
			10.9	0.0	10.9	-4.24	0.20	207.06	10.82	0.20	0.03	-0.51	2.32	1.01	0.02	0.91	0.130
			14.5	0.0	14.5	-4.24	0.20	490.01	19.47	0.20	0.03	-0.51	5.60	1.82	0.02	1.18	0.262
105	200	200	0.0	0.0	0.0	-27.44	7.43	706.67	90.86	7.43	-27.82	-0.50	-1.11	0.19	0.19	0.046	
			5.0	5.0	0.0	-27.44	7.43	653.60	243.53	7.43	-27.82	-0.51	-1.09	0.19	0.19	0.046	
			7.5	0.0	7.5	-27.44	7.43	600.13	-577.94	7.43	-27.82	-0.53	-1.30	0.19	0.19	0.053	
			11.3	0.0	11.3	-27.44	7.43	546.06	-912.35	7.43	-27.82	-0.34	-1.66	0.19	0.19	0.065	
			15.0	0.0	15.0	-27.44	7.43	493.59	-1246.77	7.43	-27.82	-0.35	-2.10	0.19	0.19	0.079	
201	202	202	0.0	0.0	0.0	-24.98	0.59	001.55	68.12	0.59	0.00	-1.54	6.75	0.07	1.60	0.500	
			5.0	5.0	0.0	-24.98	0.59	206.26	42.40	0.59	0.00	-1.54	2.34	0.07	1.21	0.277	
			7.5	0.0	7.5	-24.98	0.59	77.01	-16.64	0.59	0.00	-1.54	-0.86	0.07	0.83	0.146	
			10.9	0.0	10.9	-24.98	0.59	-254.26	9.03	0.59	0.00	-1.54	-2.85	0.07	0.44	0.184	
			14.5	0.0	14.5	-24.98	0.59	-523.50	54.75	0.59	0.00	-1.54	-3.63	0.07	0.05	0.293	
201	204	204	0.0	0.0	0.0	62.43	0.49	503.54	81.60	0.49	0.03	4.10	5.65	0.06	1.50	0.522	
			5.0	5.0	0.0	62.43	0.49	157.12	40.52	0.49	0.03	4.10	1.54	0.06	1.12	0.322	
			7.5	0.0	7.5	62.43	0.49	-121.38	-19.04	0.49	0.03	4.10	-1.36	0.06	0.73	0.208	
			10.9	0.0	10.9	62.43	0.49	-271.96	2.24	0.49	0.03	4.10	-3.05	0.06	0.35	0.247	
			14.5	0.0	14.5	62.43	0.49	-514.02	25.51	0.49	0.03	4.10	-3.53	0.06	0.04	0.331	
201	301	301	0.0	0.0	0.0	-45.50	0.43	296.09	-159.86	0.43	-0.03	-0.50	-0.51	1.60	1.60	0.034	
			5.0	5.0	0.0	-45.50	0.43	-255.04	149.61	0.43	-0.03	-0.51	-3.98	1.60	1.60	0.144	
			7.5	0.0	7.5	-45.50	0.43	-537.56	459.04	0.43	-0.03	-0.52	-8.43	1.60	1.60	0.286	
			11.3	0.0	11.3	-45.50	0.43	-8204.64	724.56	0.43	-0.03	-0.54	-12.89	1.59	1.59	0.427	
			15.0	0.0	15.0	-45.50	0.43	-10906.80	1018.03	0.43	-0.03	-0.54	-17.14	1.47	1.47	0.562	
201	303	303	0.0	0.0	0.0	2.34	1.37	96.76	-32.56	1.37	-0.03	0.08	1.27	0.31	0.31	0.043	
			5.0	5.0	0.0	2.34	1.37	-17.15	-106.88	1.37	-0.03	0.07	2.09	0.27	0.27	0.069	
			10.9	0.0	10.9	2.34	1.37	-62.89	-301.19	1.37	-0.12	0.06	3.84	0.26	0.26	0.123	
			24.5	0.0	24.5	2.34	1.37	-39.65	-431.72	1.37	-0.60	0.04	5.41	0.22	0.22	0.173	
			52.6	0.0	52.6	2.34	1.37	219.36	420.64	1.37	-0.03	0.03	5.92	1.55	1.55	0.149	

STAIN MEMBER DETAIL REPORT

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

MEMBER NUMBER AND SECT	GROUP	PROJ NO	DIST FT.	FORCE PA	MOMENT MY	MOMENT IN-KIPS	SHEAR FORCE FY	TORSION IN-KIPS	AXIAL BENDING STRESS			SHEAR STRESS			COMB. UNIT
									STRESS KSI	Y	Z	STRESS KSI	Y	Z	
202	203	110-1	0.0	-24.79	-525.38	31.09	.51	.02	-1.53	-3.65	2.90	.06	.01	.281	
			5.0	-24.79	-269.45	8.59	.51	.02	-1.53	-3.03	.83	.06	.39	.189	
			7.5	-24.79	-130.51	15.31	.51	.02	-1.53	-1.20	-1.24	.06	.78	.145	
			10.9	-24.79	164.45	-35.52	.51	.02	-1.53	1.85	-3.31	.06	1.18	.238	
			14.5	-24.79	544.39	-57.72	.51	.02	-1.53	6.11	-5.38	.06	1.55	.445	
202	204	100-1	0.0	.83	-1.07	4.09	.07	.00	.12	-.09	.89	.01	.09	.038	
			5.0	.83	-7.58	1.95	.07	.00	.12	-.36	.35	.01	.05	.028	
			7.5	.83	-4.52	-1.08	.07	.00	.12	-.46	-.19	.01	.00	.025	
			10.9	.83	-7.67	-4.09	.07	.00	.12	-.37	-.73	.01	.00	.041	
			14.5	.83	-2.04	-7.12	.07	.00	.12	-.10	-1.27	.01	.09	.051	
202	205	100-1	0.0	.58	1.05	-1.54	-.04	.01	.05	.09	-.24	.01	.11	.013	
			5.0	.58	-5.24	.53	-.04	.01	.05	-.25	.06	.01	.06	.012	
			7.5	.58	-8.05	2.00	-.04	.01	.05	-.41	.36	.01	.02	.028	
			10.9	.58	-8.20	3.67	-.04	.01	.05	-.39	.65	.01	.03	.037	
			14.5	.58	-5.99	5.33	-.04	.01	.05	-.19	.95	.01	.08	.041	
203	205	120-1	0.0	-54.48	1048.80	90.49	.68	.03	-1.01	6.95	5.32	.06	2.32	.470	
			5.0	-54.48	205.27	60.81	.68	.03	-1.01	1.36	3.57	.06	1.69	.253	
			7.5	-54.48	-372.04	31.14	.68	.03	-1.01	-2.47	1.83	.06	1.06	.207	
			10.9	-54.48	-687.05	1.48	.68	.03	-1.01	-4.56	.09	.06	.44	.213	
			14.5	-54.48	-757.84	-24.21	.68	.03	-1.01	-4.90	-1.66	.06	.19	.278	
203	303	100-1	0.0	-125.28	-305.72	-89.53	3.06	288.67	-1.55	-.50	1.51	1.51	1.51	.065	
			5.0	-125.28	-295.84	-227.08	3.06	288.67	-1.57	-4.61	1.51	1.51	1.51	.195	
			7.5	-125.28	-598.03	-584.59	3.06	288.67	-1.58	-8.73	1.51	1.51	1.51	.326	
			11.0	-125.28	-8195.71	-582.12	3.06	288.67	-1.59	-12.84	1.50	1.50	1.50	.457	
			15.0	-125.28	-10596.24	-859.65	3.06	288.67	-1.40	-16.76	1.38	1.38	1.38	.591	
203	306	120-1	0.0	125.58	492.31	57.03	-1.08	20.90	4.48	6.19	.50	.50	.50	.352	
			5.0	125.58	243.58	185.12	-1.08	20.90	4.46	2.08	.45	.45	.45	.221	
			7.5	125.58	-375.59	271.20	-1.08	20.90	4.45	5.78	.41	.41	.41	.358	
			10.9	125.58	-502.07	245.93	-1.08	20.90	4.44	6.98	.54	.54	.54	.375	
			14.5	125.58	-655.84	-574.18	-1.08	20.90	4.43	10.69	1.74	1.74	1.74	.492	
204	205	100-1	0.0	-1.42	2.01	3.05	-.00	-.00	-.20	.10	.55	.00	.08	.035	
			5.0	-1.42	-5.24	3.06	-.00	-.00	-.20	-.16	.55	.00	.04	.037	
			7.5	-1.42	-4.71	3.08	-.00	-.00	-.20	-.23	.55	.00	.01	.039	
			10.9	-1.42	-2.54	3.08	-.00	-.00	-.20	-.11	.55	.00	.05	.035	
			14.5	-1.42	3.72	3.07	-.00	-.00	-.20	.18	.55	.00	.09	.037	
204	208	100-1	0.0	67.61	-518.04	13.34	.08	.05	4.17	-3.55	1.24	.01	.09	.301	
			5.0	67.61	-258.85	9.82	.08	.05	4.17	-2.66	.92	.01	.08	.211	
			7.5	67.61	-48.81	6.50	.08	.05	4.17	-.55	.59	.01	.07	.183	
			10.9	67.61	247.47	2.78	.08	.05	4.17	2.78	.24	.01	1.25	.242	
			14.5	67.61	657.75	-7.4	.08	.05	4.17	7.38	-.07	.01	2.41	.341	

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	MEMBER NO.	FROM FT.	TO FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	TORSION MX IN-KIPS	AXIAL STRESS /	BENDING STRESS /	SHEAR STRESS /	SHEAR STRESS /	COMB. UNITY CHECK
205	200	201	0.0	53.72	-53.72	-741.70	-19.81	-.22	2.14	0.0	-1.57	-4.92	-1.16	.23
			5.0	-53.72	514.02	-10.30	-.22	8.25	0.0	-1.57	-3.42	-.61	-.02	.85
			7.5	-53.72	-23.04	-.80	-.22	14.32	0.0	-1.57	-.16	-.05	-.02	1.48
			10.0	-53.72	731.23	8.71	-.22	20.38	0.0	-1.57	4.85	-.51	-.02	2.11
			14.5	-53.72	1749.49	18.21	-.22	26.45	0.0	-1.57	11.62	1.07	-.02	2.74
206	301	100	0.0	-156.00	-125.55	-331.25	-2.02	-.02	.39	18.24	-5.52	-4.42	-.30	.451
			6.2	-156.36	-53.20	-74.74	-2.02	-.02	1.08	18.24	-5.53	-1.14	-.31	.357
			10.3	-156.72	87.10	181.76	-2.02	-.02	1.78	18.24	-5.54	-2.52	-.34	.346
			24.5	-157.09	269.11	395.27	-.09	-.09	2.02	18.24	-5.56	-5.11	-.26	.508
			52.0	-157.58	340.50	-55.29	9.87	9.87	-1.66	18.24	-5.57	-4.50	-.42	.437
206	300	125	0.0	-2.04	2402.53	-755.77	-15.50	-.02	90.51	-347.89	-.02	-3.94	2.28	.125
			3.0	-3.21	-1670.85	-144.36	-15.50	-.02	90.51	-347.89	-.04	-2.62	2.28	.024
			7.5	-4.57	-5743.84	459.02	-15.50	-.02	90.51	-347.89	-.05	9.01	2.28	.287
			11.5	-5.53	-9771.40	1064.41	-15.50	-.02	90.51	-347.89	-.06	-15.38	2.22	.489
			15.0	-6.13	-13616.74	1673.81	-15.50	-.02	90.51	-347.89	-.07	-21.46	2.11	.682
301	305	125	0.0	7.25	74.50	744.35	16.65	16.65	-1.06	1.66	.58	14.15	1.75	.461
			7.3	7.25	6.87	-208.79	8.24	8.24	-1.06	1.66	.58	5.02	1.75	.172
			14.5	7.25	-22.64	-638.23	-.17	-.17	-1.06	1.66	.58	11.23	.03	.368
			21.7	7.25	-7.03	-256.01	-8.58	-8.58	-1.06	1.66	.58	4.52	.91	.156
			24.0	7.25	50.10	455.88	-16.44	-16.44	-1.06	1.66	.58	15.12	1.78	.492
301	300	125	0.0	64.51	666.59	144.69	7.53	7.53	-5.04	4.44	4.65	12.26	.96	.550
			7.2	64.51	255.10	-255.10	3.02	3.02	-4.36	4.44	4.65	6.34	.59	.362
			14.5	64.50	-81.55	-319.39	-1.54	-1.54	-5.32	4.44	4.65	5.81	.42	.346
			21.7	64.49	-312.82	14.02	-6.09	-6.09	-1.96	4.44	4.65	5.52	.70	.337
			24.0	64.48	-415.88	753.04	-10.40	-10.40	-.36	4.44	4.65	14.46	1.12	.632
301	401	04L-1	0.0	-114.78	-11749.02	1605.17	11.76	11.76	43.75	787.08	-1.26	-18.40	1.61	.637
			7.1	-114.75	-7476.57	549.36	11.76	11.76	57.16	787.08	-1.26	-11.74	1.90	.419
			14.2	-114.72	-1455.70	-406.40	11.76	11.76	72.52	787.08	-1.26	-3.12	2.22	.147
			21.4	-114.70	4875.41	-1412.19	11.76	11.76	87.03	787.08	-1.26	-7.94	2.54	.299
			28.5	-114.67	12851.74	-2417.97	11.76	11.76	99.11	787.08	-1.26	-20.46	2.81	.695
305	306	125	0.0	-81.63	616.45	-247.22	-7.63	-7.63	-4.68	15.47	-3.20	-11.71	1.09	.512
			7.2	-81.63	256.19	247.42	-5.52	-5.52	-4.00	15.47	-3.20	-6.04	.69	.353
			14.5	-81.64	-64.01	357.28	1.04	1.04	-2.96	15.47	-3.20	-6.42	.47	.345
			21.7	-81.66	-269.23	67.07	5.54	5.54	-1.60	15.47	-3.20	-4.49	.75	.296
			24.0	-81.66	-340.62	-608.74	4.41	4.41	-.00	15.47	-3.20	-12.30	1.17	.531
305	403	04L-1	0.0	-156.47	-11050.41	-1231.22	-10.01	-10.01	40.94	-1194.96	-1.50	-17.39	1.47	.604
			7.1	-156.44	-6444.16	-307.30	-10.01	-10.01	54.35	-1194.96	-1.50	-10.84	2.16	.403
			14.2	-156.41	-1706.08	615.63	-10.01	-10.01	69.51	-1194.96	-1.50	-2.84	2.48	.147
			21.4	-156.39	4844.03	1540.56	-10.01	-10.01	84.22	-1194.96	-1.50	-8.01	2.80	.311
			28.5	-156.36	12620.01	-2404.49	-10.01	-10.01	94.30	-1194.96	-1.50	-20.11	3.07	.694

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 9 U.S. NAVY - ACR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YN STURP

MEMBER NUMBER	GROUP AND SECTN	MEMBER NO.	FORCE FA KIPS	MOMENT MY KIPS	MOVEMENT MZ INCHES	SHEAR FY KIPS	TORSION MX INCHES	AXIAL STRESS /	BENDING STRESS /	Y STRESS /	Z STRESS /	SHEAR STRESS /	COMP. UNIT CHECK
300	408	01-1	35.14	-13004.52	1434.49	12.95	47.39	.59	21.47	1.42	1.42	1.42	.693
		7.1	35.17	-7768.75	726.85	12.95	47.39	.59	12.24	1.70	1.70	1.70	.401
		14.2	35.19	-7500.08	-380.79	12.95	47.39	.59	1.34	2.02	2.02	2.02	.056
		21.4	35.22	7487.88	-1088.43	12.95	47.39	.59	11.94	2.32	2.32	2.32	.391
		28.5	35.25	16819.97	-2596.07	12.95	47.39	.59	26.62	2.56	2.56	2.56	.856
401	501	01-1	1212.34	-3760.36	-1663.96	74.98	-520.38	8.49	10.73	1.35	1.35	1.35	.635
		1.1	1212.52	-4520.75	-17707.59	77.47	-520.38	8.44	11.45	1.39	1.39	1.39	.658
		2.3	1212.04	-4697.06	-16764.56	74.91	-520.38	8.48	12.20	1.43	1.43	1.43	.681
		3.4	1211.56	-5490.79	-19874.81	82.50	-520.38	8.48	12.97	1.47	1.47	1.47	.705
		4.5	1211.06	-6099.77	-21057.42	84.84	-520.38	8.47	13.76	1.51	1.51	1.51	.730
401	510	01-1	-1330.40	-6124.50	4563.40	8.02	-701.26	-6.04	-3.58	.24	.24	.24	.323
		1.1	-1337.14	-6149.61	4605.62	8.02	-701.26	-6.04	-3.55	.24	.24	.24	.323
		2.3	-1337.87	-6173.24	4547.45	8.02	-701.26	-6.05	-3.53	.24	.24	.24	.322
		3.4	-1334.60	-6145.16	4230.08	8.02	-701.26	-6.05	-3.51	.24	.24	.24	.322
		4.5	-1339.34	-6215.45	4112.31	8.02	-701.26	-6.05	-3.49	.24	.24	.24	.321
403	503	01-1	1169.95	-3444.92	17656.09	-91.02	237.06	8.32	11.30	1.59	1.59	1.59	.607
		1.1	1169.47	-4244.14	16930.07	-94.32	237.06	8.32	12.14	1.63	1.63	1.63	.675
		2.3	1169.99	-5060.83	20237.40	-96.76	237.06	8.32	13.11	1.67	1.67	1.67	.704
		3.4	1169.51	-5893.73	21578.59	-99.15	237.06	8.31	14.05	1.71	1.71	1.71	.734
		4.5	1169.03	-6742.47	22951.76	-101.48	237.06	8.31	15.03	1.74	1.74	1.74	.765
403	511	01-1	-1353.49	-6363.04	-5727.84	-9.79	539.45	-6.12	-4.00	.22	.22	.22	.340
		1.1	-1354.23	-6366.34	-5594.19	-9.79	539.45	-6.12	-3.97	.22	.22	.22	.339
		2.3	-1354.96	-6394.15	-5400.54	-9.79	539.45	-6.12	-3.93	.22	.22	.22	.338
		3.4	-1355.69	-6414.28	-5326.90	-9.79	539.45	-6.13	-3.90	.22	.22	.22	.337
		4.5	-1356.43	-6427.74	-5193.25	-9.79	539.45	-6.13	-3.87	.21	.21	.21	.336
405	505	01-1	-2213.74	6706.93	-2150.01	15.48	-164.95	-15.49	-4.42	1.40	1.40	1.40	.679
		1.1	-2214.21	4425.58	-2314.49	15.48	-164.95	-15.49	-5.49	1.44	1.44	1.44	.713
		2.3	-2214.00	10170.22	-2498.96	15.48	-164.95	-15.49	-6.58	1.47	1.47	1.47	.748
		3.4	-2215.15	11964.05	-2683.04	15.48	-164.95	-15.50	-7.70	1.49	1.49	1.49	.783
		4.5	-2215.63	13742.31	-2867.91	15.48	-164.95	-15.50	-8.84	1.44	1.44	1.44	.819
405	512	01-1	2208.07	12710.64	-438.45	-3.52	-215.26	10.25	5.95	.17	.17	.17	.545
		1.1	2207.54	12526.96	-431.29	-3.52	-215.26	10.25	5.86	.17	.17	.17	.542
		2.3	2206.80	12344.76	-424.13	-3.52	-215.26	10.24	5.78	.17	.17	.17	.539
		3.4	2206.47	12164.34	-416.96	-3.52	-215.26	10.24	5.69	.17	.17	.17	.537
		4.5	2205.14	11985.59	-409.62	-3.52	-215.26	10.24	5.61	.17	.17	.17	.534
501	502	105-1	-177.17	244.69	-497.06	-3.54	228.27	-5.87	-4.96	1.22	1.22	1.22	.562
		3.8	-177.17	114.03	-412.11	-3.19	228.27	-5.87	-3.83	1.30	1.30	1.30	.530
		7.8	-177.17	-4.07	-206.65	-5.85	228.27	-5.87	-1.85	1.44	1.44	1.44	.276
		11.4	-177.17	-109.60	119.30	-6.30	228.27	-5.87	-1.45	1.60	1.60	1.60	.268
		15.1	-177.17	-202.57	565.75	-11.15	228.27	-5.87	-5.38	1.77	1.77	1.77	.375





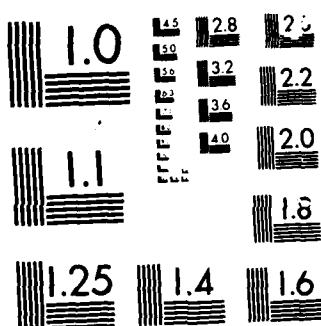
S I R A N M E M B E R D E T A I L R E P O R T

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U.S. NAVY - 40MH PLATFORMS - PLATFORM NO. 2 - HNL 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP AND SPCTN	FROM END FT.	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	TORSION MX IN-KIPS	AXIAL STRESS /	BENDING STRESS /	Y SHEAR STRESS /	Z SHEAR STRESS /	CUMB. UNIT CHECK	
503	003 200-1	0.0	530.62	1716.39	-405.60	-7.28	-13.81	-120.27	14.18	9.98	1.16	1.16	.810
		5.1	537.53	460.75	-103.41	-5.53	-11.09	-120.27	14.18	5.41	.98	.98	.665
		10.1	537.64	365.84	104.12	-3.50	-8.51	-120.27	14.19	2.24	.82	.82	.565
		15.2	539.25	-75.07	324.41	-1.79	-6.05	-120.27	14.19	1.86	.67	.67	.553
		20.2	537.68	-371.67	384.47	-2.20	-5.71	-120.27	14.19	2.99	.53	.53	.589
504	003 100-1	0.0	-24.70	-117.42	84.60	3.43	.57	-1.05	-1.35	-2.55	.37	.37	.132
		5.0	-25.70	-130.12	-20.00	1.35	.34	-1.05	-1.35	-2.47	.15	.15	.130
		7.0	-25.00	-140.07	-34.04	.73	.12	-1.05	-1.35	-2.71	.09	.09	.137
		11.4	-26.00	-144.04	42.47	-2.01	.10	-1.05	-1.35	-2.73	.30	.30	.136
		15.1	-25.00	-139.35	217.55	-4.40	.35	-1.05	-1.35	-4.56	.52	.52	.196
505	003 100-1	0.0	313.26	71.04	307.37	5.06	-6.72	-61.77	10.38	3.35	.86	.86	.467
		5.0	313.25	-265.07	134.63	4.36	-6.36	-61.77	10.38	2.38	.79	.79	.436
		7.0	313.24	-500.17	-25.47	3.07	-5.98	-61.77	10.38	4.54	.72	.72	.503
		11.4	313.22	-758.94	-139.60	1.80	-5.58	-61.77	10.38	7.00	.67	.67	.583
		15.1	313.20	-1013.13	-142.67	.50	-5.16	-61.77	10.37	9.23	.62	.62	.653
505	003 100-1	0.0	-114.45	40.11	120.22	.17	-6.36	67.26	-3.94	-1.15	.72	.72	.182
		5.0	-114.46	-254.60	82.60	1.47	-5.94	67.26	-3.94	-2.23	.71	.71	.211
		7.0	-114.47	-490.45	-13.17	2.76	-5.61	67.26	-3.94	-4.46	.72	.72	.276
		11.4	-114.49	-744.58	-167.40	4.03	-5.21	67.26	-3.94	-6.83	.74	.74	.353
		15.1	-114.91	-972.11	-374.20	5.24	-4.80	67.26	-3.94	-9.34	.77	.77	.433
505	000 JLS-1	0.0	-1907.39	10531.25	-2652.49	-16.49	-67.40	-309.41	-13.34	-6.42	1.07	1.07	.680
		1.5	-1904.02	4374.54	-2552.00	-16.49	-64.37	-309.41	-13.35	-6.04	1.03	1.03	.656
		3.0	-1904.58	8142.15	-2051.12	-16.49	-61.44	-309.41	-13.35	-5.30	.99	.99	.632
		4.6	-1909.30	7087.33	-1750.24	-16.49	-58.60	-309.41	-13.36	-4.59	.95	.95	.610
		6.1	-1904.94	6043.44	-1449.36	-16.49	-55.85	-309.41	-13.36	-3.90	.91	.91	.589
505	004 200-1	0.0	-531.40	-1304.36	-1026.98	-10.28	9.02	-83.87	-14.50	-9.31	.95	.95	.610
		5.1	-531.72	-806.40	-471.14	-8.04	7.56	-83.87	-14.50	-5.23	.81	.81	.693
		10.1	-531.74	-390.41	-84.70	-5.88	6.15	-83.87	-14.50	-2.20	.68	.68	.607
		15.2	-531.75	-245.12	-59.44	-3.81	4.76	-83.87	-14.50	-1.41	.56	.56	.584
		20.2	-531.72	188.68	415.11	-1.81	3.42	-83.87	-14.50	-2.55	.44	.44	.617
510	710 21-1	0.0	-1334.21	-2200.25	4073.52	10.09	24.48	-878.67	-6.05	-3.49	.44	.44	.321
		6.3	-1343.30	-4353.14	3304.20	10.09	25.16	-878.67	-6.07	-2.56	.45	.45	.292
		12.7	-1347.39	-2414.31	2538.48	10.09	25.84	-878.67	-6.09	-1.64	.46	.46	.268
		14.0	-1351.47	-423.65	1771.56	10.09	26.52	-878.67	-6.11	-0.85	.46	.46	.247
		25.3	-1355.56	1618.60	1004.24	10.09	27.20	-878.67	-6.13	-0.69	.47	.47	.249
511	711 21-1	0.0	-1356.26	-6454.50	-5154.05	-11.24	33.66	902.24	-6.13	-3.87	.53	.53	.336
		6.3	-1366.35	-3674.66	-4295.73	-11.24	34.34	902.24	-6.15	-2.71	.54	.54	.300
		12.7	-1364.44	-1258.82	-3437.40	-11.24	35.03	902.24	-6.17	-1.71	.54	.54	.273
		14.0	-1364.53	1422.22	-2574.07	-11.24	35.71	902.24	-6.18	-1.38	.55	.55	.264
		25.3	-1372.91	4193.04	-1720.75	-11.24	36.34	902.24	-6.20	-2.12	.56	.56	.245





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963-A

STRAIN MEMBER DETAIL REPORT

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U.S. NAVY - ACHE PLATFORMS - PLATFORM NO. 2 - MAX 93.0 FEET - 50 YR STURM

MEMBER	GROUP	TYPE	FORCE	MOMENT	MOMENT	SHEAR FORCE	TORSION	AXIAL	BENDING	SHEAR	SHEAR	COMB.
NO.	NO.	NO.	FX	FX	FZ	FZ	FX	STRESS	STRESS	STRESS	STRESS	UNITY
FEET	FEET	FEET	KIPS	KIPS	KIPS	KIPS	KIPS	/	Y	Z	Y	Z
5120	712	11-1	220.071	1190.029	-107.73	-57.02	-230.73	10.24	5.61	.58	.58	.534
513	220.072	701.951	350.070	-122.12	-57.14	-230.73	10.22	3.57	.57	.57	.450	
1217	220.073	3205.07	3205.07	-33.08	-55.08	-230.73	10.20	1.55	.55	.57	.400	
1414	220.074	2710.21	2710.21	-1.22	-55.75	-230.73	10.19	.47	.56	.56	.350	
2015	220.075	2120.07	2120.07	-25.15	-55.11	-230.73	10.16	2.43	.55	.55	.331	
5120	812	11-1	110.070	-57.070	25.15	-712.00	7.95	7.20	1.48	1.48	1.48	.500
113	110.071	320.07	320.07	-21.07	21.07	-712.00	7.95	6.19	1.44	1.44	1.44	.573
511	110.072	770.07	770.07	-1.57	21.63	-712.00	7.95	5.22	1.40	1.40	1.40	.682
113	110.073	271.07	271.07	-73.01	14.43	-712.00	7.94	4.28	1.36	1.36	1.36	.612
211	110.074	270.07	270.07	-73.52	10.25	-712.00	7.94	3.58	1.32	1.32	1.32	.555
5120	812	11-1	27.77	27.77	27.77	27.77	27.77	27.77	27.77	1.72	1.72	.550
113	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	1.68	1.68	.520
511	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	1.54	1.54	.532
113	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	1.60	1.60	.524
211	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	1.56	1.56	.520
5120	812	11-1	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	.93	.93	.554
113	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	.90	.90	.570
511	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	.76	.76	.553
113	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	.73	.73	.537
211	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	-10.19	.70	.70	.522
5120	712	11-1	17.25	17.25	17.25	17.25	17.25	17.25	17.25	1.32	1.32	.553
113	17.25	17.25	17.25	17.25	17.25	17.25	17.25	17.25	17.25	1.26	1.26	.532
511	17.25	17.25	17.25	17.25	17.25	17.25	17.25	17.25	17.25	1.21	1.21	.531
113	17.25	17.25	17.25	17.25	17.25	17.25	17.25	17.25	17.25	1.16	1.16	.534
211	17.25	17.25	17.25	17.25	17.25	17.25	17.25	17.25	17.25	1.10	1.10	.525
5120	712	11-1	6.05	6.05	6.05	6.05	6.05	6.05	6.05	.73	.73	.517
113	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	.76	.76	.514
511	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	1.03	1.03	.575
113	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	1.29	1.29	.669
211	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	1.54	1.54	.820
5120	812	11-1	24.04	24.04	24.04	24.04	24.04	24.04	24.04	1.56	1.56	.620
113	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04	1.50	1.50	.637
511	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04	1.45	1.45	.625
113	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04	1.39	1.39	.613
211	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04	1.34	1.34	.625
5120	712	11-1	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.44	.44	.522
113	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.53	.53	.610
511	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.46	.46	.510
113	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.53	.53	.610
211	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.53	.53	.610
5120	812	11-1	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.44	.44	.522
113	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.53	.53	.610
511	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.46	.46	.510
113	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.53	.53	.610
211	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	.53	.53	.610

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LOAD CONDITION NO. 9 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YK STUMM

MEMBER GROUP AND SECTION	MEMBER NO.	LOAD CASE	FORCE FX	MOMENT MY	MOMENT MZ	FORCE FY	FORCE FZ	TORSION MX	AXIAL STRESS Y	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS
			KIPS	IN-KIPS	IN-KIPS	KIPS	KIPS	IN-KIPS	/	/	/	/	/
706 200-1	0.0	539.68	-371.02	384.54	-0.04	-3.65	-120.20	14.19	2.99	.53	.53	.589	
	5.5	539.73	-498.70	305.77	2.41	-2.25	-120.20	14.19	3.27	.46	.46	.597	
	11.0	539.78	-408.32	70.71	6.71	2.96	-120.20	14.19	2.32	.53	.53	.567	
	16.5	539.81	-310.20	6.84	6.84	5.94	-120.20	14.19	1.85	.81	.81	.552	
	21.9	539.85	-244.58	344.14	8.85	6.72	-120.20	14.19	5.07	.99	.99	.654	
706 650 JLO-1	0.0	-1912.56	2794.73	-244.67	-16.49	-42.50	-313.72	-13.38	-1.77	.74	.74	.522	
	1.7	-1913.14	2054.08	36.24	-16.49	-39.17	-313.72	-13.38	-1.29	.69	.69	.507	
	3.0	-1913.42	1564.34	357.25	-16.49	-35.95	-313.72	-13.38	-0.89	.65	.65	.494	
	4.6	-1914.05	742.17	854.22	-16.49	-32.81	-313.72	-13.38	-0.62	.51	.51	.487	
	6.1	-1915.08	171.22	959.18	-16.49	-29.79	-313.72	-13.40	-0.61	.57	.57	.487	
701 JLO-1	0.0	1165.11	-1175.21	-612.95	-16.82	12.03	-1377.00	8.50	.83	.72	.72	.315	
	1.8	1165.37	-938.70	-277.53	-12.85	10.23	-1377.00	8.24	.62	.66	.66	.308	
	3.5	1165.63	-734.25	-64.95	-9.00	8.44	-1377.00	8.24	.47	.61	.61	.303	
	5.3	1165.84	-576.01	66.73	-5.27	6.81	-1377.00	8.28	.37	.55	.55	.300	
	7.1	1165.15	-444.52	160.11	-1.84	5.18	-1377.00	8.24	.30	.51	.51	.294	
705 JLO-1	0.0	832.73	46.28	-717.94	24.84	21.32	1523.55	5.83	.46	.99	.99	.217	
	1.4	831.99	350.92	-1310.80	25.87	19.52	1523.55	5.82	.49	.93	.93	.231	
	3.5	831.25	427.89	-1420.42	22.02	17.78	1523.55	5.82	1.28	.87	.87	.243	
	5.3	830.51	1288.45	-2244.33	18.24	16.10	1523.55	5.81	1.63	.82	.82	.254	
	7.1	829.77	1613.78	-2594.43	14.88	14.47	1523.55	5.80	1.92	.77	.77	.263	
706 JLO-1	0.0	-1915.04	171.22	959.18	-16.49	-29.79	-313.27	-13.40	-0.61	.56	.56	.488	
	1.4	-1915.83	-407.26	1310.48	-16.49	-25.46	-313.27	-13.40	-0.86	.52	.52	.493	
	3.5	-1916.58	-913.01	1681.63	-16.49	-22.14	-313.27	-13.41	-1.14	.48	.48	.504	
	5.3	-1917.30	-1350.74	2012.78	-16.49	-18.92	-313.27	-13.41	-1.52	.45	.45	.515	
	7.1	-1918.04	-1720.50	2403.43	-16.49	-15.82	-313.27	-13.42	-1.84	.42	.42	.525	
701 702 137-1	0.0	-61.00	40.10	63.72	4.29	-0.91	26.93	-4.18	-2.94	.91	.91	.296	
	4.7	-61.00	48.47	-84.58	1.75	-0.85	26.93	-4.18	-2.26	.58	.58	.273	
	9.4	-61.00	2.27	-114.30	-0.77	-0.74	26.93	-4.18	-2.61	.46	.46	.241	
	14.1	-61.00	-40.50	44	-3.31	-0.73	26.93	-4.18	-0.92	.77	.77	.237	
	18.4	-61.00	-74.83	257.82	-5.04	-0.67	26.93	-4.18	-0.61	1.11	1.11	.342	
701 704 137-1	0.0	7.65	165.02	-52.54	1.29	-1.27	-7.38	.53	3.97	.33	.33	.144	
	4.7	7.65	49.43	-90.31	-0.95	-1.20	-7.38	.52	3.02	.25	.25	.114	
	9.4	7.65	31.13	-57.42	-1.22	-1.12	-7.38	.52	1.49	.31	.31	.065	
	14.1	7.65	-24.42	47.03	-2.50	-1.03	-7.38	.52	1.27	.45	.45	.058	
	18.4	7.65	-54.55	223.93	-3.74	-0.93	-7.38	.52	5.46	.62	.62	.191	
701 801 JL7-1	0.0	591.10	756.07	412.74	-26.50	7.88	-404.45	8.36	1.10	1.03	1.03	.326	
	6.6	589.72	1153.41	2016.44	-14.46	2.27	-404.45	8.34	2.95	.67	.67	.384	
	13.2	588.34	1124.64	2730.85	-3.75	-2.81	-404.45	8.52	3.76	.39	.39	.409	
	19.8	586.98	720.38	2631.00	6.10	-7.48	-404.45	8.30	3.47	.53	.53	.399	
	26.4	585.63	-42.44	1766.54	15.14	-11.75	-404.45	8.28	2.27	.40	.40	.350	

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 9 U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YN STURM

MEMBER NUMBER	GROUP AND SECTN	LIST NO	FORCE FX	MOMENT MY	MOMENT MZ	IN-KIPS	FX KIPS	FZ KIPS	TORSION IN-KIPS	AXIAL STRESS /	BENDING STRESS Y	Z	SHEAR STRESS Y	Z	COMB. STRESS	UNITY CHECK
701	800 200-1	0.0	481.90	1044.58	456.92	7.28	-10.95	-4.23	12.14	6.64	72	.72	.633			
		12.2	481.90	-114.98	-255.89	2.95	-5.64	-4.23	12.14	1.73	.36	.36	.477			
		28.4	482.01	-581.55	-429.74	-9.5	.81	-4.23	12.14	4.05	.09	.09	.551			
		35.6	482.12	-575.97	-34.21	3.53	-4.40	-4.23	12.15	2.11	.32	.32	.490			
		48.8	482.22	425.58	841.59	-7.49	7.32	-4.23	12.15	5.28	.58	.58	.590			
702	705 12/-1	0.0	-89.87	-85.08	271.80	6.15	.70	-21.04	-4.15	-6.48	1.09	1.09	.389			
		4.7	-89.87	-42.00	-2.99	3.61	.76	-21.04	-4.15	-3.06	.75	.75	.257			
		9.4	-89.87	2.49	-135.04	1.08	.82	-21.04	-4.15	-3.08	.43	.43	.293			
		14.1	-89.87	50.41	-124.57	-1.45	.86	-21.04	-4.15	-3.07	.47	.47	.294			
		18.8	-89.87	101.76	24.45	-3.99	.94	-21.04	-4.15	-2.41	.80	.80	.242			
702	704 12/-1	0.0	4.77	22.55	-101.64	-6.47	.66	-6.24	.74	3.49	.53	.53	.136			
		4.7	4.76	-7.79	5.85	-1.53	.59	-6.24	.74	.31	.34	.34	.035			
		9.4	4.76	-21.85	44.07	.20	.10	-6.24	.74	1.76	.14	.14	.081			
		14.1	4.75	-14.50	27.24	.94	.22	-6.24	.74	1.10	.27	.27	.060			
		18.8	4.75	2.85	-57.46	2.07	.54	-6.24	.73	1.92	.46	.46	.086			
702	705 12/-1	0.0	7.47	26.48	84.05	2.58	.64	4.78	.66	3.07	.50	.50	.120			
		4.7	7.46	-2.10	-13.94	1.24	.40	4.78	.66	.49	.30	.30	.036			
		9.4	7.46	-10.17	-52.07	.11	.10	4.78	.66	1.84	.10	.10	.041			
		14.1	7.45	-15.07	-26.55	-1.02	.21	4.78	.66	1.01	.26	.26	.055			
		18.8	7.45	5.84	63.26	-2.16	.53	4.78	.66	2.12	.45	.45	.090			
703	801 200-1	0.0	24.55	161.07	115.84	-8.85	-1.20	5.04	1.68	4.54	.27	.27	.262			
		4.7	24.54	41.86	124.64	.59	-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	-38.41	-57.84	2.94	-1.05	5.04	1.68	1.56	.49	.49	.102			
		18.8	24.54	-42.56	-259.67	4.23	-.95	5.04	1.68	6.29	.65	.65	.258			
703	801 200-1	0.0	24.53	259.07	-1922.32	-17.89	-1.30	11.55	-1.17	-8.07	.97	.97	.263			
		12.2	24.54	42.13	479.42	-8.27	.86	11.55	-1.17	-2.72	.47	.47	.094			
		28.4	24.53	-17.03	1044.42	.41	-.51	11.55	-1.17	-5.45	.07	.07	.193			
		35.6	24.50	64.16	594.43	6.24	-.20	11.55	-1.17	-2.26	.47	.47	.079			
		48.8	24.50	-70.23	-1347.59	15.46	.03	11.55	-1.16	-7.55	.84	.84	.247			
703	803 JL/-1	0.0	427.40	2051.06	-1920.24	20.77	3.22	95.78	11.71	3.57	.66	.66	.521			
		4.7	425.58	2040.24	-3087.13	6.94	-2.34	95.78	11.69	4.73	.32	.32	.557			
		13.2	425.20	1647.36	-3583.02	-1.80	-7.47	95.78	11.67	4.78	.28	.28	.558			
		19.8	423.84	404.40	-2526.71	-11.83	-12.14	95.78	11.65	3.78	.54	.54	.525			
		26.4	422.49	-222.10	-1544.94	-20.86	-16.42	95.78	11.64	1.98	.41	.41	.448			
704	705 12/-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	.122			
		9.4	-16.71	-32.70	-99.46	.01	-.01	1.67	-1.40	-3.50	.03	.03	.168			
		14.1	-16.71	-25.94	-36.40	-2.24	.52	1.67	-1.40	-1.47	.41	.41	.104			
		18.8	-15.71	3.50	152.56	-4.49	.65	1.67	-1.40	-5.10	.79	.79	.219			

STIRLAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 9 U.S. NAVY - 40MM PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STURM

MEMBER NO.	GROUP AND SECTN	JUST FROM END	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	TORSION MX IN-KIPS	AXIAL STRESS Y /-KSI	BENDING STRESS Z /-KSI	SHEAR STRESS Y /-KSI	SHEAR STRESS Z /-KSI	COMP. UNITY
700	700 137-1	0.0	20.09	-81.77	11.17	1.88	.26	-4.59	1.79	1.88	.31	.122
		4.7	25.09	-53.25	-58.10	.59	.38	-4.59	1.79	1.96	.15	.124
		9.4	25.09	-58.87	-58.98	-8.89	.89	-4.59	1.79	1.55	.17	.111
		14.1	25.08	-8.02	19.54	-1.98	.80	-4.59	1.79	.48	.33	.078
		18.8	25.07	20.70	104.55	-5.20	.71	-4.59	1.79	3.82	.50	.183
705	705 137-1	0.0	42.57	-85.04	-43.85	-2.27	.24	-1.30	2.92	2.20	.33	.171
		4.7	42.58	-54.37	47.08	-8.98	.54	-1.30	2.92	1.92	.16	.162
		9.4	42.58	-85.87	85.41	.50	.45	-1.30	2.92	1.86	.09	.160
		14.1	42.57	-18.52	13.85	1.56	.58	-1.30	2.92	.53	.24	.118
		18.8	42.58	10.01	-109.50	-2.81	.67	-1.30	2.92	2.52	.41	.181
706	706 250-1	0.0	-850.32	-826.85	1045.74	10.57	7.66	.41	-12.10	-7.81	.69	.642
		4.7	-850.19	-54.07	-155.58	5.37	4.43	.41	-12.10	-7.79	.38	.576
		9.4	-850.08	390.54	-601.93	.85	1.42	.41	-12.09	-4.02	.09	.694
		14.1	-850.94	345.74	-403.78	-3.50	-1.45	.41	-12.09	-3.12	.20	.658
		18.8	-850.89	-25.94	405.49	-7.48	-4.19	.41	-12.09	-2.26	.45	.635
709	709 600 JLT-1	0.0	-1354.84	-2143.88	1724.98	5.42	-15.25	291.51	-18.95	-3.54	.59	.790
		4.7	-1341.19	-2024.00	1294.88	5.42	-5.14	291.51	-18.97	-3.95	.36	.602
		9.4	-1342.54	-2711.51	871.28	5.42	5.42	291.51	-18.99	-3.62	.41	.793
		14.1	-1343.90	-1427.85	442.67	5.42	15.84	291.51	-19.01	-2.51	.61	.763
		18.8	-1345.24	-544.51	144.07	5.42	21.02	291.51	-19.03	-2.89	.80	.714
710	710 810 42-1	0.0	-1355.87	1820.54	1001.25	4.75	4.58	-879.56	-5.39	-7.9	.27	.220
		4.7	-1360.50	1494.31	231.50	4.75	5.18	-879.56	-5.41	-8.4	.27	.222
		9.4	-1365.32	2434.88	-557.85	4.75	5.94	-879.56	-5.43	-1.04	.27	.228
		14.1	-1370.15	2445.04	-1507.10	4.75	6.79	-879.56	-5.45	-1.34	.28	.237
		18.8	-1374.98	3515.94	-2075.55	4.75	7.60	-879.56	-5.47	-1.70	.28	.248
711	711 811 42-1	0.0	-1372.78	4145.91	-1710.90	-10.94	-9.02	531.99	-5.48	-1.89	.16	.252
		4.7	-1377.61	4225.21	-445.18	-10.94	-7.9	531.99	-5.48	-1.80	.16	.251
		9.4	-1382.44	4520.15	289.08	-10.94	1.54	531.99	-5.50	-1.80	.16	.251
		14.1	-1387.27	4477.74	885.52	-10.94	2.40	531.99	-5.52	-1.90	.16	.255
		18.8	-1392.10	4898.95	1750.58	-10.94	3.20	531.99	-5.54	-2.09	.16	.261
712	712 812 42-1	0.0	2244.75	-5106.47	-2553.34	-5.52	-10.02	490.84	8.95	2.16	.18	.380
		4.7	2243.72	-5448.94	-1711.90	-5.52	-9.22	490.84	8.93	2.08	.18	.389
		9.4	2239.89	-6845.90	-170.48	-5.52	-8.41	490.84	8.91	2.77	.17	.398
		14.1	2234.28	-7277.22	-124.02	-5.52	-7.81	490.84	8.89	3.03	.16	.405
		18.8	2228.45	-7848.94	-87.58	-5.52	-6.80	490.84	8.87	3.27	.16	.412
801	801 100-1	0.0	-54.12	50.85	16.48	3.10	-6.67	27.50	-3.71	-2.08	.75	.260
		4.7	-54.12	43.74	-123.84	1.07	-6.68	27.50	-3.71	-3.00	.48	.299
		9.4	-54.12	-7.01	-127.82	-9.95	-6.64	27.50	-3.71	-2.92	.47	.295
		14.1	-54.12	-42.82	5.05	-2.98	-6.62	27.50	-3.71	-2.98	.73	.245
		18.8	-54.12	-84.44	214.73	-5.01	-6.61	27.50	-3.71	-5.58	1.00	.400



STRAIN MEMBER DETAIL REPORT

LOAD CONDITION NO. 9 U.S. NAVY - ACRH PLATFORMS - PLATFORM NO. 2 - MAX 93.0 FEET - 50 YR STUMP

MEMBER GROUP NO. 1  
MEMBER NO. 001  
SECT. 100-1

MEMBER NO.	MEMBER GROUP NO.	SECT.	FUTLE NO.	FUTLE NO.	MOMENT MY	MOMENT MZ	SHEAR FORCE FY	SHEAR FORCE FZ	TORSION TX	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	CUMB. STRESS UNIT	CHECK
			KIPS	KIPS	IN-KIPS	IN-KIPS	KIPS	KIPS	IN-KIPS	/						
001	004	100-1	0.0	54.67	188.23	-108.14	.73	-1.11	2.22	5.75	4.95		.21		.287	
			5.0	54.66	114.14	-122.59	-3.50	-1.06	2.22	5.75	3.82		.18		.252	
			11.5	54.65	42.24	-67.25	-1.54	-1.05	2.22	5.75	1.41		.26		.188	
			18.9	54.64	-26.58	57.80	-2.37	.94	2.22	5.75	1.45		.38		.176	
			22.5	54.63	-91.57	252.74	-3.40	-0.93	2.22	5.75	6.13		.51		.325	
001	001	JL0-1	0.0	572.75	251.04	1549.45	-8.57	6.55	261.80	8.10	1.40		.50		.334	
			5.0	571.36	782.98	1727.88	.29	4.45	261.80	8.08	2.40		.29		.357	
			15.7	569.95	479.08	1570.24	8.51	.63	261.80	8.06	2.13		.40		.344	
			20.5	568.54	875.42	576.91	15.00	-2.95	261.80	8.04	1.21		.62		.318	
			27.4	567.15	494.45	-1212.40	22.03	-6.37	261.80	8.02	1.46		.84		.332	
002	003	200-1	0.0	7.58	40.02	1227.14	13.45	.62	36.88	.26	6.49		.44		.227	
			14.0	7.45	21.00	469.42	6.40	-3.31	36.88	.26	2.43		.44		.092	
			26.0	10.07	-10.74	454.41	-5.55	.08	36.88	.26	5.34		.13		.178	
			41.4	10.14	-6.21	-510.50	-7.06	.10	36.88	.27	1.74		.47		.064	
			55.4	10.23	14.45	1541.40	-13.15	.22	36.88	.27	7.74		.79		.256	
002	003	100-1	0.0	-57.35	-74.45	209.21	4.48	.56	-35.18	-3.73	-6.41		1.09		.390	
			5.0	-56.35	-41.04	14.03	2.46	.56	-35.18	-3.73	.94		.61		.244	
			11.5	-54.35	-1.54	-150.55	.43	.54	-35.18	-3.73	-2.97		.55		.297	
			18.9	-54.35	34.06	-124.48	-1.04	.61	-35.18	-3.73	-2.99		.57		.299	
			22.5	-51.35	80.84	17.37	-5.12	.63	-35.18	-3.73	-1.49		.64		.275	
002	004	140-1	0.0	6.64	53.15	-69.07	-1.44	-0.58	-8.85	.56	3.18		.49		.120	
			5.0	6.64	1.45	11.13	-1.03	-0.35	-8.85	.56	.38		.33		.031	
			11.5	6.68	-14.07	50.01	-1.12	-0.11	-8.85	.56	1.74		.18		.075	
			18.9	6.68	-12.47	27.58	.79	.15	-8.85	.56	1.01		.28		.052	
			22.5	6.68	7.14	-56.18	1.64	.43	-8.85	.56	1.84		.44		.079	
002	005	140-1	0.0	7.04	27.26	44.54	1.44	-0.56	10.99	.60	3.24		.52		.125	
			5.0	7.06	-5.45	-6.07	1.04	-0.35	10.99	.59	.24		.37		.028	
			11.5	7.06	-14.30	45.41	.13	-0.10	10.99	.59	1.65		.21		.073	
			18.9	7.07	-17.54	-23.43	-0.78	.16	10.99	.59	.98		.32		.052	
			22.5	7.07	2.24	54.46	-1.64	.43	10.99	.59	2.00		.48		.084	
003	005	160-1	0.0	-14.72	104.45	109.68	-0.74	-1.07	.90	-1.24	-5.03		.19		.233	
			5.0	-14.73	114.15	124.75	.24	-1.05	.90	-1.28	-4.00		.16		.200	
			11.5	-14.74	44.46	77.76	1.27	-1.01	.90	-1.29	-2.10		.23		.140	
			18.9	-14.75	-17.14	-43.01	-0.30	-0.90	.90	-1.29	-1.06		.35		.107	
			22.5	-14.76	-34.85	-233.55	3.34	-0.84	.90	-1.29	-5.63		.48		.252	
003	005	JL0-1	0.0	354.27	497.45	-2062.51	1.28	2.24	-8.14	5.07	2.94		.08		.669	
			6.8	356.87	1015.68	-1427.80	-7.58	-1.40	-8.14	5.05	2.46		.22		.260	
			15.7	355.47	704.12	485.46	15.40	-5.62	-8.14	5.03	1.45		.47		.221	
			20.5	354.06	48.80	889.46	-22.84	-4.20	-8.14	5.01	.46		.70		.202	
			27.4	352.66	-730.35	2657.74	-24.42	-12.62	-8.14	4.94	3.77		.92		.293	

STIRN MEMBER DETAIL REPORT

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 43.0 FEET - 50 YR STURM

MEMBER GROUP NUMBER AND SELIN	MEMBER NO.	Y	FORCE FX	MOMENT MY	MOMENT MZ	SHEAR FY	SHEAR FZ	TORSION MX	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMB. STRESS
		FT.	KIPS	IN-KIPS	IN-KIPS	KIPS	KIPS	IN-KIPS	/KSI	/KSI	/KSI	/KSI	/KSI	/KSI
403	400	1	420.80	1153.25	-227.81	-5.50	-8.37	-28.18	11.06	6.58		.61		.593
	14.0		420.84	65.08	348.38	-1.94	-4.64	-28.18	11.06	2.25		.34		.456
	28.0		420.90	-418.55	455.57	1.23	-1.16	-28.18	11.06	3.45		.17		.494
	41.9		420.98	-344.05	2.20	4.12	1.98	-28.18	11.07	1.93		.32		.488
	55.9		421.04	-215.81	-949.27	8.88	4.84	-28.18	11.07	5.22		.51		.551
404	805	140	-13.84	-2.84	147.15	3.67	-5.55	-2.56	-1.17	-4.92		.67		.206
	5.8		-13.84	-50.54	-37.46	1.01	-2.7	-2.56	-1.17	-1.63		.35		.101
	11.3		-13.84	-34.43	-47.35	-0.05	.01	-2.56	-1.17	-3.51		.05		.161
	16.4		-13.84	-24.50	-31.51	-1.91	-2.4	-2.56	-1.17	-1.43		.37		.095
	22.5		-13.84	-13.15	188.24	-3.78	.57	-2.56	-1.17	-5.36		.68		.220
405	806	160	84.58	-78.78	49.41	1.82	.88	2.96	4.77	2.08		.28		.232
	5.8		84.55	-70.51	-34.91	.80	.13	2.96	4.77	1.84		.14		.224
	11.3		84.55	-54.51	-54.50	-2.2	.20	2.96	4.77	1.90		.07		.228
	16.4		84.55	-43.18	-8.88	-1.22	.28	2.96	4.77	1.01		.21		.198
	22.5		84.58	-28.07	108.06	-2.21	.35	2.96	4.77	2.47		.34		.244
405	806	180	-3.58	-71.55	-13.45	-1.54	.11	5.88	-2.4	-1.88		.28		.066
	5.8		-3.57	-61.54	55.77	-2.1	.18	5.88	-2.5	-1.89		.14		.074
	11.3		-3.57	-48.52	58.07	.50	.28	5.88	-2.5	-1.88		.14		.067
	16.4		-3.57	-28.70	-11.74	1.50	.33	5.88	-2.4	-1.67		.28		.035
	22.5		-3.55	-1.95	-148.83	2.44	.40	5.88	-2.4	-3.35		.41		.120
405	801	200	-429.01	-472.51	-864.87	-7.88	6.02	-1.82	-11.28	-7.30		.52		.847
	14.0		-424.97	-152.50	121.52	-4.03	3.74	-1.82	-11.28	-1.89		.29		.541
	28.0		-424.93	-278.54	407.17	-3.6	1.41	-1.82	-11.27	-3.14		.08		.675
	41.4		-424.83	-327.44	254.54	3.10	-8.80	-1.82	-11.27	-2.32		.17		.641
	55.4		-424.74	-4.88	-540.87	6.34	-2.99	-1.82	-11.27	-5.03		.37		.670
406	806	240	-803.38	-1047.98	627.32	7.53	-9.78	-228.32	-12.58	-1.55		.49		.500
	7.4		-804.78	-1544.48	258.25	7.53	-3.07	-228.32	-12.52	-2.00		.37		.512
	13.7		-806.18	-1371.48	-576.72	7.53	2.42	-228.32	-12.54	-2.13		.37		.517
	20.5		-807.58	-1108.88	-1178.84	7.53	8.51	-228.32	-12.56	-2.06		.46		.518
	27.4		-809.02	-221.11	-1788.95	7.53	13.18	-228.32	-12.58	-2.28		.57		.523
410	810	240	-1375.11	3317.48	-2077.95	9.93	-25.51	531.13	-5.47	-1.70		.31		.248
	8.8		-1387.13	1821.57	-2843.18	9.93	-22.67	531.13	-5.49	-1.38		.31		.240
	13.7		-1385.15	-205.64	-3708.41	9.93	-21.85	531.13	-5.51	-1.55		.30		.245
	20.5		-1346.18	-1944.17	-4523.64	9.93	-21.00	531.13	-5.53	-2.06		.30		.260
	27.4		-1345.17	-3854.02	-5338.87	9.93	-20.18	531.13	-5.55	-2.70		.29		.279
411	811	240	-1547.28	4701.47	1748.28	-11.12	-39.32	-94.96	-5.58	-2.09		.34		.261
	8.8		-1547.24	1507.11	2858.10	-11.12	-38.48	-94.96	-5.58	-1.27		.34		.240
	13.7		-1402.31	-1818.58	3571.91	-11.12	-37.64	-94.96	-5.58	-1.63		.33		.250
	20.5		-1407.32	-8875.54	4888.72	-11.12	-36.81	-94.96	-5.60	-2.70		.33		.280
	27.4		-1412.34	-7883.92	5377.54	-11.12	-35.97	-94.96	-5.62	-3.91		.32		.319

S I M A N M E M B E R D E T A I L R E P O R T

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LOAD CONDITION NO. 9 U.S. NAVY - ACORN PLATFORMS - PLATFORM NO. 2 - MML 930 FEET - 50 YR STURM

MEMBER NUMBER AND SECTION	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE		TORSION		AXIAL STRESS		BENDING STRESS		SHEAR STRESS		CUM. STRESS UNITY / CHECK
					FY KIPS	FZ KIPS	MX IN-KIPS	MZ IN-KIPS	STRESS /	STRESS /	Y STRESS	Z STRESS	Y STRESS	Z STRESS	
901-912 102-1	0.0	224.75	-7046.94	-83.53	-52	55.53	-345.56	8.87	3.27	.50	.50	.50	.50	.412	
	6.9	225.72	-3416.91	-40.50	-52	54.57	-345.56	8.85	1.42	.50	.50	.50	.50	.353	
	13.7	221.70	1081.95	2.54	-52	55.20	-345.56	8.83	.45	.51	.51	.51	.51	.322	
	20.5	221.64	5049.36	45.57	-52	56.04	-345.56	8.81	2.55	.52	.52	.52	.52	.351	
	27.4	220.67	10285.40	84.81	-52	56.87	-345.56	8.79	4.29	.52	.52	.52	.52	.442	
901-902 109-1	0.0	23.45	99.43	-6.30	2.86	.75	33.82	1.11	1.44	.52	.52	.52	.52	.084	
	6.9	23.45	45.52	-159.22	.95	.85	33.82	1.11	2.40	.35	.35	.35	.35	.114	
	13.7	23.45	-1.07	-159.43	-9.7	.54	33.82	1.11	2.29	.35	.35	.35	.35	.111	
	19.5	23.45	-40.33	-5.95	-2.88	.45	33.82	1.11	.59	.52	.52	.52	.52	.057	
	27.4	23.45	-72.27	248.24	-4.80	.56	33.82	1.11	4.44	.70	.70	.70	.70	.179	
901-904 104-1	0.0	136.38	224.10	-141.06	.56	-1.10	1.87	6.43	3.89	.13	.13	.13	.13	.347	
	6.9	135.34	145.32	-144.90	-3.2	-1.01	1.87	6.43	2.99	.12	.12	.12	.12	.316	
	13.7	134.33	66.86	-74.86	-1.40	-.92	1.87	6.43	1.87	.17	.17	.17	.17	.270	
	19.5	134.33	75.70	-2.40	-2.40	-.83	1.87	6.43	1.10	.25	.25	.25	.25	.258	
	27.4	134.38	-62.09	305.43	-3.40	-.73	1.87	6.43	4.51	.34	.34	.34	.34	.367	
901-1001 104-1	0.0	67.50	1227.08	-1033.90	-14.97	.87	362.18	.96	2.04	.68	.68	.68	.68	.094	
	6.9	64.13	1125.73	-80.00	-8.31	-2.83	362.18	.94	1.46	.48	.48	.48	.48	.079	
	13.7	64.74	799.01	339.72	-1.99	-5.79	362.18	.92	1.10	.41	.41	.41	.41	.067	
	20.5	63.34	201.05	283.29	3.87	-8.69	362.18	.90	.42	.50	.50	.50	.50	.045	
	27.4	61.94	-593.55	-194.84	7.14	-10.42	362.18	.88	.80	.59	.59	.59	.59	.055	
901-1002 102-1	0.0	-8.06	-4.71	269.28	5.36	.10	18.68	-9.00	-2.41	.44	.44	.44	.44	.076	
	6.9	-1.13	4.82	-186.24	2.32	.07	18.68	-9.00	-1.49	.24	.24	.24	.24	.047	
	13.7	-2.20	10.76	-265.74	-3.56	.04	18.68	-9.01	-2.56	.12	.12	.12	.12	.075	
	20.5	-3.30	11.80	-30.79	-3.09	-.02	18.68	-9.01	-1.47	.29	.29	.29	.29	.015	
	27.4	-4.41	9.83	382.63	-4.88	-.00	18.68	-9.01	-3.43	.37	.37	.37	.37	.109	
901-1004 102-1	0.0	426.45	306.48	71.03	2.36	-3.90	20.80	14.13	2.83	.39	.39	.39	.39	.581	
	6.9	425.36	-8.82	-120.44	1.93	-1.71	20.80	14.12	1.88	.23	.23	.23	.23	.526	
	13.7	425.23	-88.29	-185.17	-1.22	.32	20.80	14.12	1.67	.12	.12	.12	.12	.548	
	20.5	425.09	54.04	-77.15	-1.28	2.08	20.80	14.11	.84	.25	.25	.25	.25	.518	
	27.4	425.97	348.88	99.85	-1.71	2.88	20.80	14.11	3.23	.31	.31	.31	.31	.593	
902-903 104-1	0.0	22.78	-72.89	277.83	4.83	.38	-32.10	1.07	4.15	.67	.67	.67	.67	.169	
	6.9	22.78	-39.14	-13.44	2.72	.47	-32.10	1.07	.60	.49	.49	.49	.49	.056	
	13.7	22.78	1.88	-152.81	.80	.56	-32.10	1.07	2.21	.32	.32	.32	.32	.107	
	19.5	22.78	50.21	-140.47	-1.11	.66	-32.10	1.07	2.16	.35	.35	.35	.35	.106	
	27.4	22.78	105.89	23.58	-3.03	.75	-32.10	1.07	1.57	.53	.53	.53	.53	.087	
902-904 144-1	0.0	5.46	31.85	-82.85	-1.87	-.37	-10.21	.49	2.44	.46	.46	.46	.46	.110	
	6.9	5.78	7.94	14.02	-1.85	-.24	-10.21	.49	.66	.32	.32	.32	.32	.038	
	13.7	5.77	-5.51	33.72	-1.05	-.10	-10.21	.48	1.81	.19	.19	.19	.19	.074	
	19.5	5.77	-8.50	26.18	.74	.03	-10.21	.44	.92	.30	.30	.30	.30	.046	
	27.4	5.78	-1.03	-83.48	1.52	.16	-10.21	.49	2.12	.43	.43	.43	.43	.044	

STRAN MEMBER DETAIL REPORT

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U.S. NAVY - ACNR PLATFORMS - PLATFORM NO. 2 - MVL 93.0 FEET - 50 YR STURM

MEMBER NUMBER	GROUP AND SECTION	LIST	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	TORSION MX IN-KIPS	AXIAL STRESS Y /	BENDING STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	SHEAR STRESS Y	SHEAR STRESS Z	COMR. UNITY CHECK
902	905 149-1	0.0	7.05	52.46	102.67	1.72	9.85	59	3.60	.46	.46	.46	.46	.135
		6.6	7.05	5.51	-1.50	.90	9.85	59	.29	.32	.32	.32	.32	.030
		13.2	7.05	-4.98	40.98	.10	9.85	59	1.38	.19	.19	.19	.19	.064
		19.8	7.05	-8.02	-17.25	-0.09	9.85	59	.64	.28	.28	.28	.28	.041
		26.4	7.04	-5.59	64.54	-1.47	9.85	59	2.29	.41	.41	.41	.41	.093
903	905 149-1	0.0	-160.90	229.92	107.55	-0.99	-7.72	-7.59	-3.56	.14	.14	.14	.14	.030
		6.6	-160.92	144.95	145.55	-0.00	-7.72	-7.59	-2.98	.10	.10	.10	.10	.534
		13.2	-160.95	68.50	107.46	.78	-7.72	-7.59	-1.45	.13	.13	.13	.13	.533
		19.8	-160.92	-1.03	-9.32	1.98	-7.72	-7.59	-1.14	.21	.21	.21	.21	.473
		26.4	-160.90	-63.05	-205.27	-2.95	-7.72	-7.59	-3.11	.29	.29	.29	.29	.567
903	1002 150-1	0.0	1.50	5.54	-550.95	-5.72	-24.34	.04	2.96	.51	.51	.51	.51	.095
		6.6	1.25	11.26	143.47	-2.06	-24.34	.04	1.29	.31	.31	.31	.31	.042
		13.2	1.16	15.99	279.91	.22	-24.34	.04	2.51	.15	.15	.15	.15	.061
		20.8	1.08	11.05	105.81	2.74	-24.34	.04	.95	.31	.31	.31	.31	.031
		27.4	.95	6.05	-284.71	3.94	-24.34	.03	2.59	.39	.39	.39	.39	.043
903	1003 150-1	0.0	70.91	-506.05	5094.42	21.31	5.50	1.00	3.96	.88	.88	.88	.88	.160
		6.6	64.01	6.01	1624.48	14.64	2.21	.98	2.67	.67	.67	.67	.67	.099
		13.2	67.59	58.06	684.67	6.33	-592.59	.96	.87	.49	.49	.49	.49	.061
		20.8	66.20	-141.84	241.05	2.06	-3.85	.94	.36	.39	.39	.39	.39	.044
		27.4	64.40	-559.11	163.10	-0.01	-5.58	.92	.72	.41	.41	.41	.41	.055
903	1005 150-1	0.0	425.15	472.91	-153.76	-2.02	-4.62	14.12	4.23	.59	.59	.59	.59	.625
		6.6	425.05	74.50	153.76	-0.04	-2.45	14.11	1.53	.43	.43	.43	.43	.540
		13.2	425.90	-84.48	160.65	.55	-4.40	14.11	1.62	.50	.50	.50	.50	.543
		20.8	425.76	-25.45	34.75	1.01	1.36	14.10	.39	.40	.40	.40	.40	.503
		27.4	425.65	185.87	-174.92	2.04	2.19	14.10	2.32	.46	.46	.46	.46	.564
904	905 149-1	0.0	-12.89	-6.54	141.54	3.07	.19	-1.08	-4.73	.52	.52	.52	.52	.199
		6.6	-12.89	-21.67	-59.02	1.49	.19	-1.08	-1.50	.25	.25	.25	.25	.097
		13.2	-12.89	-26.95	-93.92	.00	.19	-1.08	-3.27	.02	.02	.02	.02	.153
		19.8	-12.89	-21.54	-23.56	-1.04	.13	-1.08	-1.06	.29	.29	.29	.29	.083
		26.4	-12.89	-5.75	172.64	-3.27	.19	-1.08	-5.78	.55	.55	.55	.55	.232
904	906 149-1	0.0	149.67	-50.76	100.62	2.05	-0.31	7.06	1.63	.26	.26	.26	.26	.297
		6.6	149.64	-71.78	-21.48	1.06	-0.22	7.06	1.08	.17	.17	.17	.17	.280
		13.2	149.62	-85.47	-67.52	.11	-0.15	7.06	1.58	.09	.09	.09	.09	.295
		19.8	149.62	-91.84	-58.64	-0.83	-0.03	7.06	1.44	.15	.15	.15	.15	.291
		26.4	149.62	-90.84	64.01	-1.76	.06	7.06	1.61	.24	.24	.24	.24	.296
905	906 149-1	0.0	-148.85	-51.76	35.51	-1.14	-0.31	-6.92	-0.1	.16	.16	.16	.16	.463
		6.6	-148.86	-72.71	67.45	-0.17	-0.22	-6.93	-1.65	.10	.10	.10	.10	.486
		13.2	-148.87	-86.54	63.51	.74	-0.15	-6.93	-1.55	.14	.14	.14	.14	.488
		19.8	-148.88	-92.06	-55.74	-1.72	-0.03	-6.93	-1.44	.23	.23	.23	.23	.489
		26.4	-148.88	-91.85	-204.50	2.64	.06	-6.93	-3.30	.32	.32	.32	.32	.534

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MML 93.0 FEET - 50 YN STURM

LOAD CONDITION NO. 9

MEMBER GROUP AND SECTION	LOAD	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FX KIPS	SHEAR FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS Y /	BENDING STRESS Z /	SHEAR STRESS Y /	SHEAR STRESS Z /	CUMB. STRESS /	UNITY /	CHECK
900-1004 100-1	0.0	-024.99	-411.29	-209.63	-3.01	3.05	21.03	-14.08	-4.13	.40	.40	.794		.794
	9.5	-025.04	-104.65	37.81	-1.56	1.99	21.03	-14.08	-1.00	.25	.25	.671		.671
	18.9	-025.10	32.70	105.50	.18	.49	21.03	-14.08	.97	.13	.13	.637		.637
	28.4	-025.20	15.32	2.11	1.54	.76	21.03	-14.08	-.12	.21	.21	.717		.717
	37.9	-025.20	-112.10	-215.67	2.10	-1.20	21.03	-14.08	-2.16	.26	.26	.717		.717
900-1005 100-1	0.0	-024.20	-247.73	274.01	3.23	2.74	4.03	-14.19	-3.34	.30	.30	.768		.768
	9.5	-024.34	-21.80	7.59	1.57	1.24	4.03	-14.19	-.21	.15	.15	.645		.645
	18.9	-024.34	53.25	-61.97	.03	-.22	4.03	-14.19	-.60	.03	.03	.660		.660
	28.4	-024.44	-64.65	-4.06	-1.33	-1.46	4.03	-14.19	-.58	.15	.15	.660		.660
	37.9	-024.55	-270.65	107.64	-1.09	-1.99	4.03	-14.20	-2.95	.20	.20	.753		.753
900-1006 JUL-1	0.0	-107.20	-694.67	-2084.81	-6.44	6.44	102.98	-1.52	-2.80	.26	.26	.144		.144
	9.5	-107.35	-689.37	-1355.92	-6.44	6.44	102.98	-1.54	-2.16	.26	.26	.175		.175
	18.9	-110.04	-535.04	-1023.04	-6.44	6.16	102.98	-1.56	-1.37	.32	.32	.100		.100
	28.4	-111.45	507.34	-490.15	-6.44	9.23	102.98	-1.58	-.74	.38	.38	.061		.061
	27.4	-112.46	1102.17	42.74	-6.44	9.58	102.98	-1.60	-1.40	.39	.39	.103		.103
910-1010 P3-1	0.0	-1344.65	-3655.61	-5340.80	10.28	105.27	997.19	-4.72	-2.33	.88	.88	.236		.236
	9.5	-1424.54	-6164.54	-7024.82	10.28	104.25	997.19	-4.74	-2.84	.89	.89	.255		.255
	18.9	-1424.54	13467.76	7294.06	-11.55	105.25	997.19	-4.76	-5.48	.90	.90	.339		.339
	28.4	-1412.34	22149.75	-7872.74	10.28	106.22	997.19	-4.78	-8.48	.90	.90	.435		.435
	27.4	-1413.24	30912.51	-6718.77	10.28	107.20	997.19	-4.80	-11.58	.91	.91	.533		.533
911-1011 P3-1	0.0	-1411.68	-7663.52	5401.28	-11.55	116.81	-967.97	-4.77	-3.38	.97	.97	.273		.273
	9.5	-1417.58	1444.06	6349.68	-11.55	117.74	-967.97	-4.79	-2.40	.98	.98	.243		.243
	18.9	-1423.48	11642.44	7294.06	-11.55	116.76	-967.97	-4.81	-4.97	.98	.98	.325		.325
	28.4	-1424.38	21476.80	6244.48	-11.55	114.76	-967.97	-4.83	-8.30	.99	.99	.431		.431
	27.4	-1435.28	31351.55	9194.88	-11.55	120.74	-967.97	-4.85	-11.78	1.00	1.00	.542		.542
912-1012 P3-1	0.0	2206.54	16245.40	77.20	-.52	-205.35	242.10	7.46	3.71	1.43	1.43	.377		.377
	9.5	2194.64	-6537.36	120.24	-.52	-204.37	242.10	7.44	2.36	1.43	1.43	.333		.333
	18.9	2192.74	-25274.38	163.27	-.52	-203.39	242.10	7.42	4.39	1.42	1.42	.524		.524
	28.4	2189.89	-39440.65	206.30	-.52	-202.40	242.10	7.40	14.40	1.41	1.41	.713		.713
	27.4	2188.99	-56521.14	244.34	-.52	-201.42	242.10	7.38	20.36	1.41	1.41	.902		.902
1901-1002 200-1	0.0	-219.78	114.20	-259.65	-.52	-.23	-27.78	-5.78	-1.60	.10	.10	.341		.341
	7.6	-219.78	44.74	-212.94	-.52	-.31	-27.78	-5.78	-1.50	.12	.12	.332		.332
	15.2	-219.78	65.32	-131.87	-1.06	-.50	-27.78	-5.78	-.82	.14	.14	.316		.316
	22.7	-219.78	25.01	-14.50	-1.46	-.46	-27.78	-5.78	-.17	.16	.16	.299		.299
	30.3	-219.78	-20.14	133.72	-1.64	-.53	-27.78	-5.78	-.76	.18	.18	.315		.315
1901-1004 200-1	0.0	-207.84	490.35	-421.81	-1.50	-1.50	-43.80	-5.46	-3.62	.34	.34	.391		.391
	7.6	-207.84	350.82	-295.65	-1.47	-1.57	-43.80	-5.46	-2.57	.35	.35	.358		.358
	15.2	-207.84	204.41	-154.10	-1.63	-1.63	-43.80	-5.46	-1.43	.36	.36	.323		.323
	22.7	-207.84	51.10	2.80	-1.81	-1.81	-43.80	-5.46	-.29	.37	.37	.287		.287
	30.3	-207.84	-104.10	175.35	-1.94	-1.94	-43.80	-5.46	-1.15	.37	.37	.312		.312

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U.S. NAVY - AC4H PLATFORMS - PLATFORM NO. 2 - M-L 93.0 FEET - 50 YK STURM

MEMBER GROUP AND NUMBER	SECTION	PT.	FORCE FA	MOMENT MY	MOMENT MZ	IN-KIPS	FX	FY	FZ	TORSION	AXIAL STRESS	BENDING STRESS	Y SHEAR STRESS	Z SHEAR STRESS	CUMB. STRESS UNITY
1002-1005	200-1	0.0	-220.54	-41.26	211.43	2.45	.62	122.08	-5.80	-1.21	.47	.47	.47	.47	.329
		7.0	-220.54	11.97	6.60	2.07	.55	122.08	-5.80	-0.07	.45	.45	.45	.45	.297
		15.2	-220.54	58.31	-164.94	1.04	.47	122.08	-5.80	.98	.43	.43	.43	.43	.323
		22.7	-220.54	47.76	-301.53	1.51	.40	122.08	-5.80	-1.77	.41	.41	.41	.41	.346
		30.3	-220.54	130.32	-403.61	.93	.32	122.08	-5.80	-2.37	.39	.39	.39	.39	.363
1002-1004	140-1	0.0	7.24	154.22	9.40	-.05	.71	-32.03	.45	3.18	.39	.39	.39	.39	.116
		7.0	7.24	44.61	8.67	-.06	.82	-32.03	.45	1.88	.40	.40	.40	.40	.075
		15.2	7.24	20.75	-1.14	.16	-.92	-32.03	.45	.39	.42	.42	.42	.42	.028
		22.7	7.24	-67.96	-20.53	.26	-1.03	-32.03	.46	1.33	.43	.43	.43	.43	.058
		30.3	7.24	-166.31	-44.34	.34	-1.13	-32.03	.46	3.25	.45	.45	.45	.45	.119
1002-1005	140-1	0.0	7.15	213.96	-13.76	-.00	.86	23.57	.45	4.03	.33	.33	.33	.33	.143
		7.0	7.15	131.01	-8.57	-.11	.97	23.57	.45	2.47	.34	.34	.34	.34	.096
		15.2	7.15	56.42	5.85	-.21	-1.07	23.57	.45	.73	.36	.36	.36	.36	.039
		22.7	7.15	-63.82	24.76	-.31	-1.16	23.57	.45	1.32	.37	.37	.37	.37	.058
		30.3	7.15	-175.70	62.04	-.34	-1.26	23.57	.45	3.50	.39	.39	.39	.39	.126
1003-1005	200-1	0.0	-222.47	490.07	527.47	1.38	-2.08	48.52	-5.86	-4.03	.27	.27	.27	.27	.423
		7.0	-222.47	547.02	374.33	1.75	-2.15	48.52	-5.86	-2.68	.28	.28	.28	.28	.380
		15.2	-222.47	48.24	204.80	1.42	-2.23	48.52	-5.86	-1.30	.29	.29	.29	.29	.356
		22.7	-222.47	-107.46	27.43	2.08	-2.31	48.52	-5.86	.62	.30	.30	.30	.30	.319
		30.3	-222.47	-321.04	-167.60	2.21	-2.38	48.52	-5.86	-2.03	.31	.31	.31	.31	.365
1004-1005	140-1	0.0	-13.40	-23.78	24.19	.24	.07	8.02	-.86	-.66	.11	.11	.11	.11	.058
		7.0	-13.40	-22.34	11.24	.04	-.04	8.02	-.86	-.47	.09	.09	.09	.09	.052
		15.2	-13.40	-30.63	10.18	-.06	-.14	8.02	-.86	-.61	.09	.09	.09	.09	.057
		22.7	-13.40	-48.52	22.85	-.22	-.25	8.02	-.86	-1.01	.12	.12	.12	.12	.069
		30.3	-13.40	-76.04	44.24	-.37	-.36	8.02	-.86	-1.70	.14	.14	.14	.14	.091
1004-1006	200-1	0.0	400.37	302.01	-10.44	-.12	-2.30	-23.77	10.52	1.64	.19	.19	.19	.19	.420
		7.0	400.37	44.12	4.54	-.21	-2.38	-23.77	10.52	.50	.20	.20	.20	.20	.382
		15.2	400.37	-130.03	26.80	-.27	-2.46	-23.77	10.52	.75	.20	.20	.20	.20	.340
		22.7	400.37	-357.31	52.06	-.24	-2.53	-23.77	10.52	2.02	.21	.21	.21	.21	.430
		30.3	400.37	-590.03	77.54	-.24	-2.61	-23.77	10.52	3.33	.21	.21	.21	.21	.472
1005-1006	200-1	0.0	367.50	100.34	-12.45	.19	-1.74	-23.05	10.19	.61	.16	.16	.16	.16	.376
		7.0	367.50	-52.97	-33.80	.28	-1.81	-23.05	10.19	.35	.16	.16	.16	.16	.366
		15.2	367.50	-221.36	-61.44	.33	-1.84	-23.05	10.19	1.29	.17	.17	.17	.17	.345
		22.7	367.50	-346.03	-92.97	.34	-1.97	-23.05	10.19	2.28	.17	.17	.17	.17	.427
		30.3	367.50	-578.47	-124.27	.34	-2.04	-23.05	10.19	3.31	.17	.17	.17	.17	.459

# STRAN GROUP SUMMARY REPORT

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U.S. NAVY - ACFT PLATFORMS - PLATFORM NO. 2 - MKL 93.0 FEET - 50 YR STORM

MEMBER GROUP ID	MEMBER NO.		MEMBER NO.		MEMBER NO.		MEMBER NO.		MEMBER NO.		TOTAL	NUMBER OF MEMBERS IN GROUP WITH		
	MAX. U. CK	LD. UN.	MEMBER NO.	LD. UN.	MEMBER NO.	LD. UN.	MEMBER NO.	LD. UN.	MEMBER NO.	LD. UN.		UNITY CK	UNITY CK	
101	201-204	70	7	201-202	59	7	204-200	52	8	10	0	0	0	6
102	300-400	101	7	303-403	79	8	206-300	73	7	9	0	1	1	3
103	204-204	07	7	102-104	07	7	204-205	06	8	6	6	0	0	6
104	204-301	04	8	201-303	03	7	203-300	49	9	3	0	0	0	1
105	203-205	05	7	205-200	59	8				2	0	0	0	0
106	301-300	75	7	301-303	04	6	303-300	59	7	3	0	0	0	0
107	404-500	05	7	403-503	02	8	401-501	73	9	3	0	0	0	0
108	404-512	00	7	512-712	58	7	511-711	47	8	6	0	0	0	4
109	504-500	75	7	501-504	73	9	503-505	57	8	6	0	0	0	2
110	504-010	70	7	503-015	07	8	501-001	67	7	3	0	0	0	0
111	603-400	04	6	503-045	00	8	500-044	65	7	12	0	0	0	1
112	502-505	21	6	504-505	20	9	502-504	12	8	3	0	0	0	3
113	600-010	01	7	606-700	54	7	600-050	54	7	9	0	0	0	4
114	701-702	44	6	702-703	40	8	701-704	36	6	6	0	0	0	6
115	705-010	02	7	703-003	75	8	701-001	41	9	3	0	0	0	1
116	704-705	22	9	702-705	21	6	702-704	14	7	3	0	0	0	3
117	812-412	51	7	712-012	44	7	811-911	45	8	6	0	0	0	5
118	801-004	47	6	804-000	44	7	801-002	40	9	6	0	0	0	6
119	804-900	55	7	803-905	44	6	601-901	36	9	3	0	0	0	2
120	904-005	22	9	902-005	22	6	802-004	12	9	3	0	0	0	3
121	903-905	06	6	904-900	58	7	905-900	53	9	6	0	0	0	2
122	903-1005	17	8	900-1000	14	9	901-1001	10	6	3	0	0	0	3
123	903-1005	91	6	906-1005	83	8	905-1004	79	9	6	0	0	0	1
124	902-905	24	6	904-905	23	9	902-904	11	9	3	0	0	0	3
125	912-1012	99	7	911-1011	05	8	910-1010	53	9	3	0	0	0	0
126	1004-1000	07	7	1005-1000	05	7	1005-1005	60	8	6	0	0	0	2
127	1002-1005	10	7	1002-1004	15	6	1004-1005	11	8	3	0	0	0	3

TOTAL MEMBERS 135 0 1 70

SIRAN UNITY CHECK SUMMARY REPORT

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U.S. NAVY - AC IN PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STUMP

MEMBER NUMBER	GROUP	1)	2)	3)	4)	5)	6)	7)	8)	9)	0)

378-405 DAL 1.01 7 0.00 Y 0.01 6

MEMBER /---FIRST HIGHEST---/---SECOND HIGHEST---/---THIRD HIGHEST---/

UNITY LD. UNITY LD. UNITY LD.

CHECK CN. CHECK CN. CHECK CN.



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U.S. NAVY - ACIN PLATFORMS - PLATFORM NO. 2 - HML 93.0 FEET - 50 YH STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES			LOAD CUMU NO.	DIST FROM END(FT)	FORCE FX KIPS	TORSION MX IN-KIPS	MEMBER ACTIONS MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	COMBINED LO COMBINED LO			
			AXIAL	Y-AXIS	Z-AXIS							UNITY CK	CM UNITY CK		
101	102	110-01	.010	.127	.504	7	0.0	-5.72	.01	357.07	93.47	.428	8	.428	6
101	104	110-01	.014	.153	.267	4	0.0	-6.75	.01	451.42	-82.17	.416	6	.409	7
101	201	110-01	.010	.018	.048	9	15.0	-24.22	-120.68	674.11	-1090.07	.049	6	.039	6
102	103	110-01	.009	.145	.205	7	14.5	-5.57	-0.02	419.90	63.14	.323	9	.276	8
102	104	110-01	.006	.004	.061	7	14.5	-0.06	-0.00	-2.57	9.75	.055	6	.049	9
102	105	110-01	.006	.015	.020	8	10.9	1.19	-0.00	-9.57	3.25	.040	7	.034	6
103	103	110-01	.008	.176	.176	7	0.0	-2.96	.01	495.18	-54.96	.294	9	.266	6
103	203	110-01	.009	.053	.049	9	15.0	-25.22	97.63	1004.15	1264.26	.088	8	.047	7
104	103	110-01	.007	.004	.057	7	0.0	1.48	.01	2.49	-5.96	.044	8	.043	9
104	104	110-01	.014	.120	.142	8	14.5	-6.20	.04	337.98	-45.88	.269	6	.190	7
105	106	110-01	.018	.176	.106	8	14.5	-6.90	.02	495.20	-32.68	.262	9	.141	6
106	206	110-01	.007	.109	.017	7	15.0	-16.97	14.01	-2354.54	921.90	.111	6	.079	9
201	202	110-01	.003	.199	.324	7	0.0	29.50	.05	959.44	93.87	.562	6	.551	8
201	204	110-01	.003	.256	.502	7	0.0	-75.82	.01	665.85	93.06	.664	6	.565	8
201	301	110-01	.027	.591	.008	7	15.0	-60.45	-110.76	12024.51	-1357.06	.562	9	.470	6
201	303	110-01	.033	.121	.507	7	32.8	4.80	3.58	697.16	-1428.37	.549	6	.261	8
202	203	110-01	.003	.004	.224	7	14.5	29.51	-0.05	616.55	70.68	.445	9	.409	6
202	204	110-01	.008	.004	.005	7	14.5	-0.86	-0.00	10.08	-6.57	.058	6	.051	9
202	205	110-01	.007	.007	.041	7	14.5	-0.78	-0.00	4.46	-6.57	.047	6	.047	6
203	203	110-01	.004	.368	.217	7	0.0	39.00	.03	1750.43	-106.25	.524	6	.470	6
203	303	110-01	.053	.560	.001	8	15.0	-135.66	389.45	-11314.11	-359.93	.609	7	.541	9
203	306	110-01	.054	.186	.152	9	32.8	125.24	20.90	635.84	-574.18	.460	7	.412	8
204	203	110-01	.005	.005	.048	8	14.5	-1.15	-0.00	3.54	7.65	.048	7	.044	6
204	206	110-01	.010	.228	.174	8	14.5	54.06	.01	628.41	-54.92	.409	6	.401	7
204	208	110-01	.004	.358	.155	8	14.5	-44.52	.01	1706.56	-74.65	.449	9	.375	6
205	301	110-01	.036	.121	.298	8	32.8	-113.99	-25.56	582.73	-879.65	.508	9	.446	7
205	303	110-01	.056	.063	.009	7	15.0	-141.17	334.07	13490.79	-1551.35	.682	9	.610	8
301	303	110-01	.037	.013	.511	6	29.0	-49.35	10.70	145.42	-927.06	.616	8	.553	7
301	306	110-01	.055	.269	.254	7	29.0	-109.56	-9.93	684.82	-638.53	.750	6	.665	8
301	401	110-01	.047	.097	.015	7	20.5	-35.40	-1099.83	-15628.64	2051.99	.695	9	.507	6
303	306	110-01	.050	.115	.241	7	29.0	63.46	-20.29	598.72	606.08	.570	8	.531	9
303	403	110-01	.058	.728	.003	8	20.5	-136.76	-635.18	14747.78	1011.46	.702	6	.604	9
306	406	110-01	1.004	.904	.014	7	20.5	-218.66	501.75	-18394.89	2241.46	.856	9	.811	6
401	301	110-01	.023	.094	.402	9	4.6	1211.08	-520.38	-6099.77	-21037.42	.724	7	.531	8
401	303	110-01	.023	.094	.402	9	4.6	-1356.40	-701.26	-6124.50	4543.40	.245	7	.242	6
403	303	110-01	.054	.111	.244	8	4.6	1843.77	710.89	-10013.77	14905.93	.767	6	.765	9
403	306	110-01	.054	.130	.002	8	4.6	-2144.56	694.85	-4826.20	970.15	.429	9	.340	9
406	306	110-01	.059	.277	.012	7	4.6	-2341.46	298.93	-14231.65	2975.04	.819	9	.725	6
406	308	110-01	.064	.198	.000	7	0.0	-2576.17	373.66	-13406.01	-196.24	.545	9	.508	6
501	302	110-01	.024	.019	.151	9	15.1	-177.17	228.27	-202.57	565.75	.347	6	.325	7
501	304	110-01	.035	.365	.072	7	0.0	290.41	103.53	1268.78	-597.17	.720	7	.607	8
501	306	110-01	.054	.255	.025	7	0.0	-1039.72	209.83	6325.32	20185.75	.672	9	.519	8
501	308	110-01	.047	.105	.140	6	0.0	284.86	-205.95	905.40	-1046.46	.447	8	.312	9
502	303	110-01	.061	.021	.110	9	0.0	-141.04	-178.11	-2111.03	481.45	.300	7	.193	8
502	304	110-01	.014	.053	.054	8	0.0	-6.91	-109.75	134.24	135.52	.114	6	.113	9
502	306	110-01	.054	.053	.097	8	0.0	-26.95	-55.39	-182.59	-223.55	.210	8	.148	7
503	303	110-01	.033	.333	.007	8	0.0	-201.90	-27.40	1189.06	-172.06	.508	9	.472	6
503	305	110-01	.054	.004	.227	8	0.0	1475.24	591.07	-8356.87	13430.28	.644	6	.622	7

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - HML 93.0 FEET - 50 YK STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES			LOAD CUMULATIVE	DIST FROM FKUM	CONTRROLLING MEMBER ACTIONS			MOMENT	MOMENT	IN-KIPS	IN-KIPS	IN-KIPS	MOMENT	MOMENT	COMBINED LD		CM	CM
			AXIAL	Y-AXIS	Z-AXIS			FORCE	TORSION	IN-KIPS								IN-KIPS	IN-KIPS		
503	045	200-01	.533	.322	.001	M	0.0	502.04	11.11	1022.50	117.91	.610	9	.745	7						
504	045	200-01	.052	.042	.102	9	15.1	-20.00	-1.05	-139.35	217.53	.193	7	.136	6						
505	045	100-01	.369	.355	.007	7	15.1	-337.34	74.21	1267.36	180.76	.653	9	.614	6						
506	045	100-01	.176	.314	.054	5	15.1	156.77	-53.99	1149.35	495.22	.526	8	.490	7						
507	045	100-01	.440	.194	.015	7	0.0	2011.58	426.60	-10275.58	2611.41	.690	9	.607	8						
508	045	200-01	.515	.259	.100	7	0.0	562.51	90.50	1607.93	1036.73	.610	9	.638	6						
509	045	200-01	.211	.077	.033	9	0.0	-1339.21	-878.67	-6240.25	4073.52	.245	7	.195	6						
510	045	200-01	.354	.173	.002	4	0.0	-2154.07	549.23	-4619.22	1026.21	.429	6	.336	9						
511	045	200-01	.409	.177	.000	7	0.0	-2340.46	395.34	-11960.39	-149.77	.534	9	.440	6						
512	045	200-01	.277	.024	.204	9	0.0	1136.44	-712.44	-3705.25	-1080.97	.500	7	.351	6						
513	045	200-01	.325	.051	.119	M	0.0	1457.74	646.79	-4693.47	7155.57	.501	6	.432	9						
514	045	200-01	.404	.113	.008	7	0.0	2009.20	431.17	-5856.65	1307.54	.549	9	.524	8						
515	045	200-01	.275	.015	.009	9	0.0	1134.44	-712.44	-2197.22	-4905.49	.376	7	.197	8						
516	045	200-01	.511	.242	.248	6	21.9	204.46	-206.03	419.14	-1457.45	.493	8	.256	7						
517	045	200-01	.354	.017	.034	8	0.0	1425.23	666.79	-1514.65	2243.26	.342	6	.290	9						
518	045	200-01	.624	.000	.104	9	21.9	-551.91	-65.70	-30.52	-875.86	.641	7	.546	8						
519	045	200-01	.521	.002	.130	7	21.9	-554.91	116.63	-99.56	611.84	.654	9	.631	6						
520	045	200-01	.545	.054	.000	9	0.0	2008.59	431.03	-2721.09	45.08	.522	9	.479	6						
521	045	200-01	.315	.204	.006	9	0.0	1146.11	-1377.00	-1175.51	-612.45	.243	7	.130	8						
522	045	200-01	.443	.021	.059	6	7.1	-1492.42	-672.58	-2035.93	3454.95	.441	8	.270	7						
523	045	200-01	.543	.087	.049	7	7.1	2001.08	430.49	473.79	-2651.33	.525	9	.457	6						
524	045	150-01	.434	.226	.146	M	18.6	-66.11	20.39	-86.24	317.53	.348	6	.342	9						
525	045	150-01	.130	.014	.220	M	18.6	-36.05	-19.75	-60.05	-314.67	.305	8	.200	7						
526	045	150-01	.409	.240	.101	9	13.2	580.34	-404.45	1129.69	2730.05	.376	7	.230	6						
527	045	200-01	.745	.549	.152	M	0.0	-461.14	6.84	-616.37	-440.04	.633	9	.610	6						
528	045	150-01	.401	.263	.065	8	18.6	-76.04	-23.67	149.34	127.72	.309	9	.324	8						
529	045	150-01	.136	.030	.000	6	0.0	-8.05	-1.61	1.03	100.34	.136	9	.030	8						
530	045	150-01	.211	.050	.160	6	0.0	-14.71	-1.61	-.23	-151.66	.203	6	.123	7						
531	045	200-01	.270	.077	.116	7	18.6	-22.65	13.61	-40.00	254.97	.258	9	.187	8						
532	045	200-01	.510	.310	.209	6	0.0	-240.22	6.53	-530.47	1836.84	.554	8	.267	7						
533	045	200-01	.754	.594	.161	8	6.6	1214.45	-246.09	2747.15	-2691.72	.752	6	.558	9						
534	045	150-01	.222	.057	.000	4	0.0	-16.71	1.67	5.20	155.31	.219	7	.215	8						
535	045	150-01	.245	.164	.061	6	18.6	-49.19	26.27	130.76	-135.30	.255	7	.230	8						
536	045	150-01	.267	.140	.107	6	18.6	-40.46	-20.08	173.49	166.66	.262	6	.146	8						
537	045	150-01	.442	.344	.150	9	0.0	-400.32	.41	-426.65	1043.74	.625	6	.716	7						
538	045	150-01	.321	.680	.114	7	6.6	1370.62	-200.69	5058.38	-1248.12	.802	9	.647	6						
539	045	150-01	.246	.201	.034	9	26.4	-1374.44	-674.36	5513.40	-2076.55	.143	7	.090	8						
540	045	150-01	.405	.322	.077	8	26.4	-2194.44	-568.26	6461.82	1915.82	.351	6	.241	9						
541	045	150-01	.475	.343	.042	9	26.4	-2618.85	-247.76	4021.15	-113.32	.412	9	.408	6						
542	045	150-01	.400	.215	.014	9	22.5	-54.12	-44.09	-44.09	274.73	.319	8	.316	7						
543	045	150-01	.474	.252	.012	6	22.5	-64.10	-30.46	-71.42	-330.42	.343	7	.376	4						
544	045	150-01	.357	.261	.012	9	6.6	571.36	261.80	762.48	1727.08	.350	7	.169	6						
545	045	200-01	.502	.288	.001	6	55.9	-224.66	27.04	-76.55	1605.45	.501	6	.250	9						
546	045	150-01	.340	.213	.017	9	0.0	-54.33	-33.18	-33.18	264.21	.311	7	.275	8						
547	045	150-01	.120	.020	.084	9	0.0	6.69	-8.65	79.45	-49.07	.117	7	.031	6						
548	045	150-01	.214	.045	.000	4	0.0	-12.54	-8.79	-2.16	-144.50	.211	8	.129	7						
549	045	150-01	.145	.015	.012	4	0.0	-47.04	7.15	219.77	75.40	.252	9	.222	7						
550	045	150-01	.343	.306	.045	M	27.4	645.64	-156.02	-566.54	2434.62	.441	6	.243	9						

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U.S. NAVY - 4CM PLATFORMS - PLATFORM NO. 2 - MFL 93.0 FEET - 50 YK STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNIFORMITY CK	UNIFORMITY CHECK		LOAD CURV NO.	DIST FROM END(FT)	FORCE FA RIPS		TORSION MX IN-RIPS		MEMBER ACTIONS MY IN-RIPS		MOMENT MZ IN-RIPS		COMBINED LD UNIFORMITY CK	
			AXIAL	Y-AXIS			Z-AXIS	FA	RIPS	MX	IN-RIPS	MY	IN-RIPS	MZ	IN-RIPS	LD UNIFORMITY CK
803	910	200-01	.000	.277	.002	0.0	-471.09	27.58	-1139.45	-103.86	.776	7	.005	8		
804	910	140-01	.050	.000	.170	0.0	-13.89	-2.56	.15	160.24	.210	7	.200	6		
805	910	100-01	.443	.137	.034	7	-69.07	16.49	195.85	-106.64	.425	6	.301	8		
806	910	100-01	.257	.067	.046	6	36.52	-10.98	201.47	123.10	.226	8	.176	7		
807	910	200-01	.747	.168	.154	0.0	-429.01	-1.82	-972.51	-849.67	.657	7	.608	8		
808	910	100-01	.527	.056	.007	7	921.23	326.40	1723.29	563.69	.523	9	.494	6		
809	910	100-01	.279	.027	.054	8	-1345.17	531.13	-3654.02	-5338.87	.218	7	.151	8		
810	911	100-01	.447	.114	.006	8	-2220.28	-865.86	-10519.88	-2573.74	.394	6	.319	9		
811	912	100-01	.508	.121	.000	7	27.4	628.54	-10500.85	-78.54	.442	9	.429	6		
812	912	100-01	.479	.005	.134	6	26.4	-9.00	-56.15	-321.98	.324	8	.262	7		
813	914	100-01	.378	.006	.129	7	20.4	-17.19	-83.53	-304.35	.367	9	.356	6		
814	914	100-01	.099	.002	.012	6	5.14	67.75	-841.98	2246.28	.098	9	.095	7		
815	910	2	.150	.005	.044	8	37.8	-237.50	-76.53	330.76	.381	6	.121	7		
816	905	100-01	.735	.103	.009	7	37.8	-432.52	-301.40	-91.59	.593	9	.476	6		
817	905	100-01	.431	.313	.117	6	26.4	-107.87	-23.22	-278.88	.299	8	.247	7		
818	906	100-01	.110	.017	.001	9	0.0	5.89	31.85	-82.05	.106	7	.035	8		
819	915	100-01	.243	.045	.197	6	0.0	-11.84	-12.59	-166.98	.230	8	.142	7		
820	915	100-01	.601	.474	.183	5	0.0	-184.12	263.72	-6.07	.650	9	.372	7		
821	915	100-01	.504	.582	.134	5	0.0	-243.41	-112.86	469.86	.413	8	.112	7		
822	905	100-01	.185	.032	.000	8	0.0	104.77	-69.14	2649.84	.160	6	.160	9		
823	915	100-01	.579	.049	.000	9	26.4	-12.89	-506.00	-2.99	.812	7	.700	8		
824	915	100-01	.554	.427	.024	9	20.4	-143.46	25.14	172.84	.224	7	.202	6		
825	910	100-01	.794	.232	.129	9	0.0	-424.99	249.58	-83.99	.327	6	.257	9		
826	910	100-01	.454	.712	.119	8	37.8	-478.87	-322.70	-204.56	.518	8	.401	6		
827	910	100-01	.144	.055	.009	9	0.0	-107.20	-694.87	-209.63	.768	9	.674	6		
828	910	100-01	.555	.167	.340	9	27.4	-1418.24	-694.87	-2088.81	.142	7	.109	6		
829	911	100-01	.264	.264	.002	8	27.4	-2282.84	30912.51	-8716.77	.491	7	.177	8		
830	912	100-01	.343	.513	.000	7	27.4	-2855.87	51260.89	3066.35	.801	6	.342	9		
831	1002	200-01	.341	.294	.009	9	0.0	-214.74	119.28	-254.85	.902	9	.808	6		
832	1004	200-01	.591	.274	.070	8	0.0	-207.87	490.35	-421.81	.279	7	.200	6		
833	1002	100-01	.559	.452	.001	8	30.3	-338.72	567.83	332.32	.334	7	.213	6		
834	1002	100-01	.150	.002	.111	6	0.0	1.11	-215.09	-124.96	.427	6	.343	9		
835	1005	100-01	.134	.017	.141	0.0	0.0	-6.34	-236.34	1.87	.154	6	.143	9		
836	1005	200-01	.604	.455	.004	8	0.0	-340.36	665.43	-125.81	.462	6	.403	9		
837	1004	100-01	.113	.031	.062	11	0.0	-11.80	-119.71	68.71	.105	6	.091	9		
838	1004	200-01	.524	.134	.011	7	30.3	-342.75	609.24	-202.57	.584	6	.472	9		
839	1005	100-01	.052	.508	.001	7	30.3	-374.17	816.85	59.08	.596	6	.459	9		

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U.S. NAVY - ACNH PLATFORMS - PLATFORM NO. 2 - MNL 93.0 FEET - 50 YH STORM

MEMBER NO.	MEMBER ID	MAXIMUM COMPRIED LOAD	DIST	FORCE		TORSION		CURVING MEMBER ACTIONS		Z-AXIS		LD Y-AXIS		LD KLY/RY KLZ/RZ		NEXT	
				PA	KB	MX	MY	MOMENT	TORSION	IN-KIPS	IN-KIPS	SHEAR	UNITY	UNITY	UNITY	UNITY	LD HIGH
101	102	410-01	7	0.0	-3.72	0.01	357.02	-93.47	0.58	9	0.05	7	49.5	55.2	428	8	
101	104	410-01	8	0.0	-4.75	-0.01	431.92	-82.17	0.60	9	0.04	6	49.4	55.2	416	8	
101	201	410-01	9	15.0	-24.22	-120.68	694.11	-1090.07	0.26	8	0.19	8	17.5	17.5	0.69	8	
102	103	410-01	7	14.5	-3.57	-0.02	419.90	63.14	0.59	7	0.03	7	49.5	55.2	323	9	
102	104	400-01	8	14.5	-1.50	-0.00	-2.57	9.75	0.05	9	0.00	7	50.9	104.3	0.55	6	
102	105	410-01	9	15.0	-2.90	-0.01	475.18	-50.90	0.62	7	0.03	7	49.4	55.2	294	9	
103	203	410-01	9	15.0	-23.22	97.63	1004.15	1264.26	0.22	9	0.18	9	17.5	17.5	0.68	8	
104	105	410-01	7	0.0	1.40	0.01	2.44	-5.90	0.06	9	0.01	7	50.9	104.4	0.44	8	
104	106	410-01	8	14.5	-4.20	-0.04	337.48	-43.68	0.12	7	0.03	8	49.5	55.2	0.64	8	
105	106	410-01	9	14.5	-6.90	0.02	495.20	-32.68	0.61	9	0.01	7	49.5	55.2	0.62	9	
105	206	410-01	7	15.0	-15.97	14.01	-2354.50	921.90	0.22	7	0.21	7	17.5	17.5	0.11	6	
201	202	410-01	7	0.0	24.50	0.05	554.44	99.47	0.43	9	0.05	7	49.5	55.2	0.62	8	
201	204	410-01	7	0.0	-75.82	-0.01	685.85	93.06	0.46	7	0.05	6	49.4	55.2	0.64	8	
201	301	410-01	7	15.0	-64.45	-110.76	12924.31	-1357.06	0.44	9	0.00	7	17.5	17.5	0.62	9	
201	303	410-01	7	14.5	4.40	3.58	647.16	-1424.37	0.12	7	0.12	7	73.7	92.2	0.59	6	
202	203	410-01	7	14.5	24.51	-0.05	614.53	70.68	0.83	7	0.04	7	49.5	55.2	0.64	9	
202	204	400-01	7	14.5	-1.86	-0.00	-2.54	10.08	0.05	7	0.01	7	50.9	104.3	0.50	8	
202	205	400-01	7	14.5	-3.76	-0.00	4.46	-6.57	0.06	9	0.00	9	50.9	104.3	0.52	8	
203	303	410-01	7	0.0	34.40	-0.05	1750.43	-106.65	0.14	7	0.03	7	40.3	46.0	0.54	6	
203	305	410-01	8	15.0	-135.86	369.85	-11314.11	-559.93	0.14	7	0.15	7	17.5	17.5	0.69	7	
203	306	410-01	9	14.0	125.24	20.90	635.44	-574.18	0.08	9	0.00	9	73.7	92.2	0.91	7	
204	205	410-01	8	14.5	-1.15	-0.00	3.54	7.65	0.06	7	0.01	8	50.9	104.4	0.48	7	
204	206	410-01	9	14.5	54.06	0.05	624.91	-54.92	0.12	9	0.03	8	49.5	55.2	0.44	6	
204	208	410-01	8	14.5	-44.82	0.01	1706.50	-74.65	0.43	9	0.02	8	40.3	46.0	0.69	9	
205	301	410-01	8	14.5	-113.94	-25.50	502.73	-874.65	0.10	8	0.10	8	73.7	92.2	0.50	8	
206	302	410-01	7	15.0	-141.17	334.07	13490.79	-1551.35	0.13	9	0.11	9	17.5	17.5	0.62	9	
301	303	410-01	8	24.0	-49.45	10.70	145.42	-27.06	0.13	7	0.10	7	64.2	64.2	0.16	6	
301	401	410-01	7	24.0	-109.40	-0.93	804.62	-654.53	0.09	8	0.06	8	64.2	64.2	0.45	9	
301	403	410-01	7	28.5	-55.40	-1094.83	-13424.44	2051.94	0.20	7	0.13	9	53.3	33.3	0.45	9	
303	306	410-01	7	24.0	63.40	-20.24	544.72	600.00	0.08	9	0.01	9	64.2	64.2	0.50	8	
303	405	410-01	8	20.5	-134.76	-835.10	14747.78	1011.46	0.20	7	0.14	7	33.3	33.3	0.70	6	
303	406	410-01	7	28.5	-214.66	301.75	-18394.84	2281.16	0.16	7	0.15	7	33.3	33.3	0.56	9	
401	501	410-01	9	4.0	1211.08	-520.38	-6099.77	-21037.42	0.92	7	0.85	7	2.7	3.4	0.74	7	
401	510	410-01	4	0.0	-1330.00	-701.26	-6124.30	4563.40	0.26	6	0.21	6	3.8	3.8	0.28	7	
403	500	410-01	6	4.0	1403.77	710.44	-10033.77	14905.93	0.13	6	0.12	6	2.7	3.8	0.76	6	
403	511	410-01	6	4.0	-2104.00	644.83	-8426.20	470.15	0.26	8	0.14	6	3.8	3.8	0.49	9	
403	516	410-01	7	4.0	2541.40	248.93	-14231.65	2475.04	0.14	9	0.10	9	2.7	3.4	0.81	6	
406	512	410-01	7	0.0	-2578.17	373.60	-13406.01	-146.24	0.22	7	0.17	7	3.8	3.8	0.54	9	
501	512	410-01	4	15.1	-177.17	224.27	-202.57	565.75	0.14	6	0.06	6	26.7	33.0	0.47	6	
501	514	410-01	7	0.0	244.41	103.33	1264.76	-547.17	0.13	6	0.05	6	26.7	33.0	0.70	7	
501	516	410-01	7	0.0	-1153.72	204.43	6325.52	20163.75	0.11	6	0.06	6	3.6	4.5	0.72	9	
501	517	410-01	6	0.0	264.66	-205.95	405.90	-1046.46	0.11	9	0.04	7	24.4	26.4	0.47	8	
502	503	410-01	4	0.0	-161.64	-174.11	-211.03	481.43	0.18	9	0.07	9	26.7	33.4	0.30	7	
502	504	410-01	6	0.0	66.01	-100.75	134.24	155.42	0.12	7	0.05	7	33.5	33.5	0.14	6	
502	505	410-01	6	0.0	-26.95	-55.34	-102.54	-223.55	0.13	7	0.04	7	33.5	33.5	0.10	8	
503	503	410-01	6	0.0	-201.90	-27.40	1169.06	-172.06	0.02	9	0.01	9	26.7	33.0	0.48	9	
503	505	410-01	6	0.0	1475.24	341.07	-8366.07	13430.20	0.11	4	0.10	4	5.6	4.5	0.48	6	

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

MEMBER NO.	GROUP TO	MAXIMUM CURVED END FROM UNITS CK CHNG E(DDFT)	DIST FROM	FORCE	TORSION		MEMBER ACTIONS		MOMENT MZ	Z-AXIS SHEAR UNITY CK	LD V-AXIS SHEAR UNITY CK	LD KLY/RY CLZ/RZ CN	NEXT HIGH UNLCK.	LD CN		
					MA	IN-AIMS	MA	IN-AIMS							IN-AIMS	IN-AIMS
505	615	200-01	0	0.0	502.04	11.11	1422.50	117.91	0.78	0	0.40	9	26.4	26.4	9	10
506	515	105-01	0	15.1	-26.00	-1.05	-159.55	217.53	0.52	0	0.37	8	33.5	33.5	8	9
507	516	105-01	7	15.1	-337.34	74.21	1267.50	180.76	0.90	0	0.63	8	26.7	33.4	8	9
508	516	105-01	6	15.1	152.77	-53.94	1194.55	445.22	0.72	7	0.53	7	26.7	33.4	7	8
509	516	105-01	7	0.0	2011.50	425.80	-10275.50	2611.41	0.65	7	0.54	7	3.6	4.5	7	9
510	614	200-01	7	0.0	502.51	40.50	1607.93	1034.73	0.46	6	0.73	6	26.4	26.4	6	9
511	715	105-01	4	0.0	-174.67	-474.67	-6240.25	4073.52	0.42	6	0.73	6	21.4	21.4	6	7
512	712	105-01	6	0.0	-2104.07	549.53	-6014.22	1026.21	0.40	9	0.30	8	21.4	21.4	8	6
513	611	105-01	7	0.0	-2500.96	346.34	-11064.54	-169.77	0.37	7	0.33	7	21.4	21.4	7	6
514	611	105-01	5	0.0	1154.98	-712.44	-3705.25	-10448.97	0.12	6	0.94	6	3.6	4.5	6	7
515	613	105-01	6	0.0	1457.70	668.74	-4653.47	7155.57	0.10	4	0.90	9	3.6	4.5	9	6
516	616	105-01	7	0.0	2104.20	431.17	-5436.65	1547.54	0.52	7	0.45	7	3.6	4.5	7	9
517	611	105-01	4	0.0	1154.44	-712.44	-2147.22	-4405.04	0.10	4	0.94	6	3.6	4.5	6	7
518	715	200-01	6	21.4	294.90	-206.03	414.14	-1457.45	0.11	7	0.84	7	30.7	30.7	7	8
519	613	105-01	6	0.0	1455.23	668.74	-1514.65	2283.26	0.95	9	0.41	9	3.6	4.5	9	6
520	716	200-01	4	21.4	-351.61	-83.70	-39.50	411.44	0.64	8	0.67	6	30.7	30.7	6	7
521	616	105-01	7	21.4	2000.54	114.43	-2721.04	65.08	0.46	7	0.34	7	3.6	4.5	7	9
522	715	105-01	4	0.0	1107.11	-1372.00	-1175.51	612.65	0.93	6	0.40	6	4.2	5.3	6	7
523	715	105-01	6	7.1	-1422.02	-672.50	-2055.93	3454.93	0.77	9	0.52	9	4.2	5.3	9	8
524	716	105-01	5	7.1	2701.00	430.44	973.74	-2651.33	0.56	7	0.29	9	4.2	5.3	7	8
525	712	105-01	6	16.8	-64.11	20.34	-64.24	317.53	0.74	9	0.56	9	42.3	41.1	9	6
526	714	105-01	6	16.8	-34.05	-14.75	-60.03	-314.67	0.68	6	0.56	6	42.3	41.2	6	8
527	611	105-01	4	13.2	584.34	-404.45	1129.64	2730.05	0.72	6	0.54	9	15.4	19.9	9	8
528	615	105-01	7	0.0	-401.14	4.40	-414.37	-440.04	0.43	6	0.42	6	68.4	68.4	6	9
529	715	105-01	6	16.8	-74.84	-23.87	144.34	127.72	0.69	9	0.57	7	42.3	41.1	7	9
530	716	105-01	7	0.0	-84.85	6.50	1.03	100.34	0.34	4	0.28	7	49.0	49.0	7	9
531	715	105-01	6	0.0	-14.71	-1.61	-2.25	-151.66	0.34	6	0.38	8	49.0	49.0	8	8
532	715	105-01	7	16.8	-22.65	13.81	-80.00	254.97	0.46	7	0.38	7	42.3	41.2	7	9
533	611	105-01	4	0.0	-250.22	6.53	-530.47	1636.40	0.53	9	0.51	8	68.4	68.4	8	8
534	615	105-01	4	0.0	1214.93	-268.04	2747.15	-2541.72	0.66	6	0.56	8	15.4	19.9	8	8
535	715	105-01	4	0.0	-14.71	1.67	5.20	155.31	0.44	7	0.42	7	49.0	49.0	7	8
536	716	105-01	6	16.8	-44.14	24.27	130.70	-155.30	0.63	6	0.47	6	42.3	41.1	6	7
537	716	105-01	7	16.8	-400.52	-20.06	173.64	106.60	0.45	7	0.33	7	42.3	41.1	7	8
538	615	105-01	4	0.0	1308.42	4.41	-426.45	1043.74	0.41	7	0.41	7	46.4	46.4	7	6
539	616	105-01	7	0.0	-1308.42	-200.44	3054.30	-1248.12	0.58	7	0.51	7	15.4	19.9	7	9
540	616	105-01	6	26.4	-1374.40	-479.30	3513.94	-2076.55	0.40	6	0.24	6	22.3	22.3	6	7
541	611	105-01	4	26.4	-2194.94	-564.26	6461.42	1915.82	0.24	6	0.14	6	22.3	22.3	6	6
542	612	105-01	7	26.4	-247.70	-247.70	6021.15	-1113.32	0.16	6	0.11	6	22.3	22.3	6	6
543	612	105-01	4	22.5	-54.12	27.30	-64.04	274.73	0.64	9	0.52	9	46.7	46.4	9	8
544	614	105-01	4	22.5	-64.10	-30.40	-71.92	-330.92	0.74	6	0.56	6	46.7	49.4	6	7
545	611	105-01	5	6.8	261.80	261.80	762.98	1727.00	0.40	6	0.51	6	16.5	20.6	6	7
546	615	105-01	6	55.4	-274.50	-76.55	-76.55	1605.45	0.44	9	0.44	9	78.5	78.5	9	6
547	615	105-01	4	0.0	-24.33	-35.10	-74.45	264.21	0.78	9	0.57	9	46.7	49.4	9	6
548	614	105-01	4	0.0	3.64	-4.85	33.15	-64.07	0.34	7	0.25	9	58.8	58.8	9	7
549	615	105-01	6	0.0	-12.50	-4.74	-2.10	-164.50	0.45	6	0.39	6	58.8	58.8	6	8
550	615	105-01	8	0.0	-47.00	7.15	214.77	65.00	0.45	7	0.34	7	46.7	46.6	7	9
551	615	105-01	6	27.4	645.60	-1504.02	-568.54	2434.62	0.41	6	0.48	9	16.5	20.6	9	6

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

MEMBER NO.	GROUP ID	MAXIMUM COMBINED LOAD FROM UNIT CK (COND) END(FT)	DIST	FORCE	TORSION	MEMBER ACTIONS		CONTROLLING MEMBER ACTIONS		MOMENT IN-KIPS	TORSION IN-KIPS	Z-AXIS SHEAR UNITS	Y-AXIS SHEAR UNITS	LD CN	KLY/RZ HIGH UR,CK	NEXT HIGH UR,CK	LD CN
						MOMENT IN-KIPS	TORSION IN-KIPS	IN-KIPS	IN-KIPS								
8030	910	200-01	0	0.0	-471.82	27.58	-1134.95	-103.86	0.36	9	0.32	9	78.3	78.3	.778	7	
8031	910	140-01	9	22.5	-13.84	-2.56	0.15	160.24	0.36	9	0.36	9	58.6	58.6	.210	7	
8032	910	100-01	7	22.5	-69.07	16.44	145.85	-108.64	0.57	6	0.43	6	49.7	49.4	.425	6	
8033	910	100-01	6	22.5	36.52	-10.98	201.47	125.10	0.47	7	0.33	7	98.7	49.4	.266	8	
8034	910	200-01	9	0.0	-429.01	-1.82	-972.51	-469.67	0.54	6	0.36	6	78.3	78.3	.657	7	
8035	910	100-01	7	13.7	421.23	528.40	1723.24	563.89	0.87	6	0.56	6	16.5	20.6	.523	9	
8036	910	100-01	4	27.4	-1395.17	531.13	-3654.02	-5334.87	0.28	6	0.18	6	23.2	23.2	.218	7	
8037	910	100-01	8	27.4	-2280.26	665.86	-10314.68	2373.74	0.48	6	0.36	6	23.2	23.2	.348	6	
8038	910	100-01	7	27.4	-2637.24	624.50	-10500.85	2178.54	0.67	6	0.44	6	23.2	23.2	.442	9	
8039	910	100-01	6	26.4	-114.75	-4.00	-56.15	-321.48	0.49	9	0.36	9	106.2	53.1	.524	8	
8040	910	100-01	7	26.4	-124.94	-17.14	-63.35	-309.35	0.43	6	0.35	6	106.2	53.1	.367	9	
8041	910	100-01	6	0.0	3.14	07.75	-441.92	2246.28	0.46	9	0.34	9	16.5	20.6	.094	9	
8042	910	100-01	8	37.8	-237.50	73.13	-70.33	330.76	0.60	6	0.38	6	66.8	66.8	.381	6	
8043	910	100-01	7	37.8	-432.52	-25.92	-301.40	-91.34	0.49	6	0.33	6	66.8	66.8	.593	9	
8044	910	100-01	4	26.4	-107.67	20.57	-23.22	-278.68	0.47	9	0.35	9	106.2	53.1	.299	8	
8045	910	100-01	9	0.0	5.80	-10.21	31.85	-62.05	0.33	9	0.24	9	64.0	64.0	.106	7	
8046	910	100-01	6	0.0	-11.84	-6.21	-12.54	-186.48	0.38	8	0.32	8	64.0	64.0	.230	6	
8047	910	100-01	4	0.0	-164.12	4.21	263.72	-8.07	0.25	7	0.20	7	106.2	53.1	.630	9	
8048	910	100-01	6	0.0	-243.41	-22.12	-132.86	469.85	0.35	9	0.27	9	66.8	66.8	.413	6	
8049	910	100-01	8	0.0	104.77	-654.14	42.47	2889.61	0.73	6	0.49	6	16.5	20.6	.100	6	
8050	910	100-01	6	26.4	-488.68	2.64	-506.00	-2.94	0.44	9	0.31	9	66.8	66.8	.812	7	
8051	910	100-01	7	26.4	-12.84	14	-5.76	172.64	0.37	8	0.32	8	64.0	64.0	.264	7	
8052	910	100-01	4	26.4	-143.48	25.14	249.58	-63.94	0.44	6	0.31	6	106.1	53.1	.527	6	
8053	910	100-01	4	26.4	-188.88	4.54	-41.65	-204.56	0.32	7	0.23	7	166.1	53.1	.514	8	
8054	910	100-01	7	0.0	-425.94	21.03	-411.24	-209.63	0.37	6	0.24	6	66.8	66.8	.639	7	
8055	910	100-01	6	37.8	-478.87	17.82	-322.70	53.84	0.26	6	0.20	6	66.8	66.8	.768	9	
8056	910	100-01	4	0.0	-107.20	102.96	-644.67	-2086.81	0.76	6	0.51	6	16.5	20.6	.142	7	
8057	910	100-01	4	27.4	-1414.24	447.14	3042.51	-6716.77	0.57	9	0.47	9	23.4	23.4	.441	7	
8058	910	100-01	6	27.4	-2242.84	-2084.18	5126.84	3088.35	0.18	6	0.09	6	23.4	23.4	.402	9	
8059	910	100-01	7	27.4	-2335.67	145.28	5464.50	-30.12	0.17	6	0.09	6	23.4	23.4	.402	9	
8060	910	100-01	4	0.0	-219.76	-27.78	114.28	-254.65	0.31	6	0.21	6	64.9	42.5	.219	7	
8061	910	100-01	4	0.0	-207.87	-83.84	440.35	-421.81	0.57	6	0.35	6	64.9	42.5	.334	7	
8062	910	100-01	6	30.5	-534.67	66.98	367.83	332.32	0.43	9	0.25	9	64.9	42.5	.427	6	
8063	910	100-01	6	0.0	1.11	30.44	-215.04	-124.98	0.40	6	0.25	6	60.4	60.4	.449	8	
8064	910	100-01	7	0.0	-6.36	-23.24	-236.54	1.87	0.32	9	0.20	9	60.4	60.4	.154	6	
8065	910	100-01	8	0.0	-388.36	20.74	-605.43	-123.61	0.25	7	0.17	7	64.9	42.5	.462	6	
8066	910	100-01	4	0.0	-11.60	23.50	-114.71	68.71	0.29	6	0.17	6	60.4	60.4	.105	6	
8067	910	100-01	7	30.5	-342.75	27.52	604.24	-202.57	0.16	7	0.12	7	64.9	42.4	.588	6	
8068	910	100-01	6	30.5	-374.17	24.11	616.85	54.08	0.15	8	0.10	8	64.9	42.4	.546	6	

STRAN MEMBER STRESS REPORT NO. 3

U.S. NAVY - ACM PLATFORMS - PLATFORM NO. 2 - TML 93.0 FEET - 50 YK STORM

MEMBER NO.	GROUP	MAXIMUM COMBINED ULLY CA	LOAD	DIST FROM	AXIAL STRESS	BENDING STRESS		SHEAR STRESS	SHEAR FORCE	KLY/RY	KLZ/RZ	SECOND-HIGHEST		THIRD-HIGHEST	
						Y	Z					UNITY CHECK	LOAD COND	UNITY CHECK	LOAD COND
101	102	110	0.0	0.0	-0.23	4.01	8.72	0.00	0.70	49.5	55.2	0.42	A	0.42	6
101	104	110	0.0	0.0	-0.42	4.85	-7.67	0.00	-0.67	49.4	55.2	0.416	A	0.400	7
101	201	110	15.0	15.0	-0.27	-2.02	0.00	0.00	9.68	17.5	17.5	0.64	B	0.39	6
102	103	110	14.5	14.5	-0.22	4.71	5.44	0.00	0.57	49.5	55.2	0.323	A	0.276	8
102	104	110	14.5	14.5	-0.04	-0.12	1.74	0.00	-0.10	50.9	102.3	0.555	B	0.049	9
102	105	110	10.9	10.9	0.17	-0.48	0.50	0.00	-0.01	50.9	102.3	0.040	A	0.034	6
103	103	110	0.0	0.0	-0.16	5.56	-5.15	0.00	-0.45	49.4	55.2	0.294	A	0.266	6
103	105	110	15.0	15.0	-0.25	-2.53	0.00	0.00	-10.21	17.5	17.5	0.088	B	0.077	7
104	103	110	0.0	0.0	0.21	0.12	0.00	0.00	0.05	50.9	102.3	0.044	A	0.043	9
104	105	110	14.5	14.5	-0.50	3.79	-4.04	0.00	0.41	49.5	55.2	0.269	B	0.190	7
105	103	110	0.0	0.0	-0.45	5.56	0.00	0.00	0.22	49.5	55.2	0.262	A	0.141	6
105	105	110	15.0	15.0	-0.14	-3.46	0.00	0.00	7.53	49.5	55.2	0.111	B	0.079	9
201	202	110	0.0	0.0	1.82	6.28	9.32	0.00	-5.75	17.5	17.5	0.111	B	0.079	9
201	204	110	0.0	0.0	-0.75	10.43	8.68	0.00	0.45	49.5	55.2	0.562	B	0.551	8
201	301	110	15.0	15.0	-0.17	19.63	0.00	0.00	14.92	49.4	55.2	0.644	B	0.545	8
201	303	120	32.6	32.6	0.17	11.80	0.00	0.00	31.80	73.7	92.2	0.562	A	0.470	6
202	203	110	14.5	14.5	1.42	6.42	6.54	0.00	0.64	49.5	55.2	0.549	B	0.241	6
202	204	110	14.5	14.5	-0.12	-1.12	1.80	0.00	-0.10	10.27	49.5	0.445	A	0.409	6
202	205	110	14.5	14.5	-0.11	0.21	-1.17	0.00	0.04	50.9	102.3	0.056	B	0.051	9
203	203	110	0.0	0.0	1.84	11.82	-6.25	0.00	-0.70	40.3	44.0	0.524	B	0.077	6
203	205	120	32.6	32.6	-1.47	-17.17	0.00	0.00	-1.35	17.5	17.5	0.609	A	0.541	9
203	303	120	32.6	32.6	4.43	10.69	0.00	0.00	12.97	73.7	92.2	0.460	B	0.412	8
204	203	110	14.5	14.5	-0.16	0.16	1.37	0.00	-0.05	50.9	102.3	0.048	A	0.044	6
204	205	120	32.6	32.6	-2.06	11.33	-4.34	0.00	0.55	49.5	55.2	0.404	B	0.375	6
204	301	120	32.6	32.6	-4.03	-13.17	0.00	0.00	24.54	73.7	92.2	0.504	A	0.446	8
204	303	120	32.6	32.6	-1.55	-21.24	0.00	0.00	14.45	17.5	17.5	0.682	B	0.610	8
205	203	110	14.5	14.5	-1.55	-19.55	0.00	0.00	16.49	64.2	64.2	0.610	A	0.565	7
205	205	120	32.6	32.6	-5.48	-16.51	0.00	0.00	7.63	64.2	64.2	0.750	B	0.685	8
205	301	120	32.6	32.6	-0.34	-21.54	0.00	0.00	-9.50	33.3	33.3	0.695	A	0.577	8
205	303	120	32.6	32.6	3.50	15.02	0.00	0.00	-7.51	64.2	64.2	0.570	B	0.531	9
205	403	120	32.6	32.6	-1.52	-23.12	0.00	0.00	-18.94	33.3	33.3	0.702	A	0.634	9
205	406	120	32.6	32.6	0.47	0.47	0.00	0.00	-10.80	2.7	3.4	0.650	B	0.611	8
205	501	120	32.6	32.6	0.00	0.00	0.00	0.00	84.64	2.7	3.4	0.724	A	0.531	8
205	510	120	32.6	32.6	-6.04	-3.56	0.00	0.00	6.62	3.8	3.4	0.245	B	0.202	6
205	503	120	32.6	32.6	13.18	11.28	0.00	0.00	-47.70	2.7	3.4	0.767	A	0.705	9
205	511	120	32.6	32.6	-9.70	-4.15	0.00	0.00	0.82	3.8	3.4	0.429	B	0.340	9
205	506	120	32.6	32.6	10.30	9.13	0.00	0.00	-10.57	3.8	3.4	0.419	A	0.325	6
205	512	120	32.6	32.6	-11.65	-6.27	0.00	0.00	28.07	3.8	3.4	0.545	B	0.508	6
205	502	120	32.6	32.6	-5.97	-5.54	0.00	0.00	-11.15	26.7	33.4	0.720	A	0.687	8
205	504	120	32.6	32.6	4.42	12.56	0.00	0.00	-3.41	26.7	33.4	0.672	B	0.519	8
205	501	120	32.6	32.6	-13.27	-13.24	0.00	0.00	118.50	3.8	4.5	0.472	A	0.447	8
205	502	120	32.6	32.6	0.90	7.75	0.00	0.00	-15.86	24.4	24.4	0.407	B	0.312	9
205	503	120	32.6	32.6	-6.02	-4.71	0.00	0.00	9.44	33.4	33.4	0.300	A	0.193	8
205	504	120	32.6	32.6	-3.50	-3.57	0.00	0.00	1.16	26.7	33.4	0.507	B	0.472	8
205	505	120	32.6	32.6	-1.40	-5.09	0.00	0.00	-1.57	33.5	33.5	0.210	A	0.113	9
205	506	120	32.6	32.6	-0.84	-10.76	0.00	0.00	4.44	33.5	33.5	0.210	B	0.168	7
205	507	120	32.6	32.6	10.52	9.44	0.00	0.00	-1.98	26.7	33.4	0.504	A	0.472	6
205	508	120	32.6	32.6	10.52	9.44	0.00	0.00	94.42	3.8	4.5	0.644	B	0.622	7

STRAIN MEMBER STRESS REPORT NO. 3

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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 UNIT/CHECK	LOAD CUMD	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS KSI		SHEAR FORCE/FY	KIPS	KLY/MY MLZ/RZ		SECOND-HIGHEST UNIT/CHECK		THIRD-HIGHEST UNIT/CHECK	
						Y	Z			K	M	U	L	U	L
505	695	200-01	8	0.0	15.30	10.22	0.00	1.24	-14.93	28.4	28.4	.810	.795		
506	695	125-01	9	15.1	-1.55	-4.56	0.00	-4.90	.33	33.5	33.5	.193	.136		
507	695	175-01	7	15.1	-11.17	-11.46	0.00	-.45	6.75	26.7	33.4	.653	.614		
508	695	165-01	6	15.1	5.06	11.62	0.00	-4.97	7.98	26.7	33.4	.526	.490		
509	695	165-01	7	0.0	14.07	6.66	0.00	17.30	67.13	3.6	4.5	.680	.607		
510	695	200-01	7	0.0	14.74	10.71	0.00	10.58	-12.59	28.4	28.4	.610	.608		
511	711	P1-01	9	0.0	-6.05	-3.44	0.00	10.04	24.48	21.4	21.4	.245	.195		
512	711	P1-01	6	0.0	-4.78	-4.15	0.00	-1.70	45.29	21.4	21.4	.429	.356		
513	712	P1-01	7	0.0	-11.00	-5.60	0.00	-.12	55.95	21.4	21.4	.534	.490		
514	641	JL0-01	9	0.0	7.95	7.20	0.00	-86.70	23.15	3.6	4.5	.500	.331		
515	645	JL0-01	6	0.0	10.20	5.34	0.00	64.43	48.29	3.6	4.5	.501	.452		
516	646	JL0-01	6	0.0	14.08	3.76	0.00	17.30	48.29	3.6	4.5	.544	.529		
517	651	JL0-01	4	0.0	7.44	3.34	0.00	-74.32	10.26	3.6	4.5	.376	.197		
518	653	JL0-01	8	21.9	6.96	6.49	0.00	15.92	6.78	30.7	30.7	.493	.256		
519	653	JL0-01	4	0.0	10.16	1.72	0.00	63.77	39.00	3.6	4.5	.392	.290		
520	653	JL0-01	9	21.9	-14.59	-3.79	0.00	9.57	-5.04	30.7	30.7	.641	.546		
521	653	JL0-01	7	21.9	-14.57	-4.54	0.00	-4.84	-5.81	30.7	30.7	.654	.611		
522	655	JL0-01	7	0.0	14.04	1.71	0.00	17.30	40.54	3.6	4.5	.522	.479		
523	655	JL0-01	6	7.1	-10.44	-2.52	0.00	-15.92	-5.51	4.2	5.3	.441	.270		
524	655	JL0-01	7	7.1	14.00	1.77	0.00	17.30	4.42	4.2	5.3	.525	.457		
525	702	157-01	6	14.8	-6.55	-7.51	0.00	-6.14	-.53	82.3	41.2	.388	.362		
526	704	157-01	6	14.8	-2.41	-7.41	0.00	6.17	-.51	82.3	41.2	.305	.280		
527	601	JL7-01	9	13.2	6.52	3.76	0.00	-3.75	-2.81	15.9	19.9	.376	.267		
528	616	200-01	7	0.0	-12.12	-5.19	0.00	-7.31	7.94	68.4	68.4	.635	.610		
529	705	157-01	6	14.8	-5.27	-4.44	0.00	-4.15	1.12	82.3	41.1	.349	.324		
530	704	127-01	7	0.0	-.74	-3.36	0.00	2.46	-.63	49.0	49.0	.136	.030		
531	705	157-01	6	0.0	-1.24	-5.07	0.00	-4.06	-.66	49.0	49.0	.203	.123		
532	705	157-01	7	14.8	-1.55	-9.10	0.00	-4.17	-.35	82.3	41.2	.258	.147		
533	691	200-01	6	0.0	-6.44	-9.63	0.00	17.02	3.62	68.4	68.4	.554	.247		
534	615	JL7-01	8	6.4	17.14	4.44	0.00	-.05	.78	15.9	19.9	.752	.568		
535	705	157-01	9	0.0	-1.40	-5.20	0.00	4.51	-.67	49.0	49.0	.219	.215		
536	706	157-01	6	14.8	-3.37	-4.29	0.00	4.04	.93	82.3	41.1	.255	.230		
537	615	JL7-01	7	14.8	-2.41	-4.65	0.00	-2.74	1.15	82.3	41.1	.262	.146		
538	615	JL7-01	6	0.0	-12.10	-7.81	0.00	10.57	7.66	68.4	68.4	.825	.716		
539	616	JL7-01	7	6.4	19.76	4.20	0.00	-6.02	3.71	15.9	19.9	.843	.657		
540	616	JL7-01	6	0.0	-5.47	-1.70	0.00	9.73	7.60	22.3	22.3	.843	.657		
541	616	JL7-01	7	26.4	-4.75	-3.01	0.00	-1.15	6.65	22.3	22.3	.351	.221		
542	612	P2-01	9	22.5	-10.41	-6.34	0.00	-.12	9.69	22.3	22.3	.412	.408		
543	612	P2-01	7	22.5	-3.71	-6.56	0.00	-5.01	-.61	98.7	49.4	.319	.316		
544	614	165-01	6	22.5	-4.40	-7.73	0.00	5.30	-.30	98.7	49.4	.343	.316		
545	901	JL0-01	6	55.9	4.00	2.40	0.00	.24	4.45	16.5	20.6	.350	.149		
546	905	160-01	6	0.0	-3.75	-6.41	0.00	-12.34	-2.15	78.3	74.3	.501	.256		
547	804	160-01	9	0.0	3.18	3.18	0.00	-1.94	-.58	58.8	58.8	.117	.031		
548	805	160-01	6	0.0	-1.06	-5.50	0.00	-3.39	-.53	58.8	58.8	.211	.129		
549	805	160-01	7	0.0	-5.23	-5.23	0.00	-.56	-1.24	98.7	49.4	.252	.222		
550	805	JL0-01	6	27.0	4.24	3.14	0.00	-20.12	-18.56	16.5	20.6	.441	.273		



STRAN MEMBER STRESS REPORT NO. 3

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

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CHECK	LOAD COND	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS KSI		Z	SHEAR FORCE KIPS		KLY/RY KLZ/RZ	SECOND-HIGHEST UNITY CHECK		THIRD-HIGHEST UNITY CHECK	
						Y	X		FZ	FX		LOAD COND	LOAD COND		
803	906	200-01	6	0.0	-12.40	-6.40	0.00	0.00	7.25	78.3	78.3	.776	7	.645	8
804	805	149-01	9	22.5	-1.17	-5.16	0.00	0.00	-3.76	.57	58.8	.210	7	.200	6
805	806	168-01	443	22.5	-4.74	-5.11	0.00	0.00	2.18	1.03	98.7	.425	6	.301	8
806	806	168-01	257	22.5	2.49	5.39	0.00	0.00	-9.96	1.15	98.7	.226	8	.176	7
807	901	210-01	847	0.0	-11.28	-7.30	0.00	0.00	-7.40	6.02	78.3	.657	7	.606	8
808	906	149-01	527	13.7	15.03	2.31	0.00	0.00	-6.48	-5.00	16.5	.523	9	.404	6
811	910	142-01	279	27.4	-5.55	-2.70	0.00	0.00	9.93	-20.14	23.2	.214	7	.131	8
812	912	142-01	504	27.4	-5.43	-4.41	0.00	0.00	-1.42	-50.45	23.2	.394	6	.319	9
801	902	149-01	479	26.4	-5.51	-4.72	0.00	0.00	-5.09	-54.72	23.2	.442	9	.424	6
801	904	149-01	515	26.4	-6.13	-4.57	0.00	0.00	3.45	-.44	106.2	.324	8	.242	7
801	1001	149-01	894	0.0	.04	3.05	0.00	0.00	18.20	.20	106.2	.567	9	.356	6
801	1002	149-01	452	37.4	-7.47	-3.94	0.00	0.00	-3.92	1.88	16.5	.081	9	.045	7
801	1004	149-01	755	37.4	-14.33	-2.82	0.00	0.00	1.79	-1.03	66.8	.381	6	.121	7
802	903	149-01	451	26.4	-5.08	-4.05	0.00	0.00	-3.86	-2.40	58.8	.593	9	.476	6
802	904	149-01	110	0.0	.49	2.94	0.00	0.00	-1.67	.27	106.2	.249	8	.247	7
802	905	149-01	243	0.0	-.49	2.94	0.00	0.00	-3.03	-.21	69.0	.106	7	.055	8
803	905	149-01	601	0.0	-7.74	-3.82	0.00	0.00	.09	-.21	69.0	.230	7	.142	7
803	1002	149-01	504	0.0	-4.06	-4.33	0.00	0.00	5.30	-1.24	106.2	.630	9	.372	7
803	1003	149-01	104	0.0	1.48	3.68	0.00	0.00	16.30	1.23	66.8	.413	8	.112	7
803	1005	149-01	914	0.0	-16.12	-4.53	0.00	0.00	-.43	8.85	16.5	.160	6	.160	9
804	905	149-01	232	26.4	-1.08	-5.78	0.00	0.00	-3.27	4.38	66.8	.812	7	.700	8
804	906	149-01	794	26.4	-4.77	-3.81	0.00	0.00	1.85	.27	69.0	.224	6	.202	6
805	1004	149-01	534	0.0	-14.06	-4.13	0.00	0.00	2.64	1.21	106.1	.327	6	.247	9
805	1005	149-01	834	37.4	-15.46	-2.93	0.00	0.00	-3.01	.04	106.1	.514	8	.401	6
805	1006	149-01	144	0.0	-1.52	-2.93	0.00	0.00	-.27	3.45	66.8	.639	7	.441	8
810	1010	149-01	533	27.4	-4.40	-11.58	0.00	0.00	-4.94	-2.13	16.5	.766	9	.674	6
811	1011	149-01	850	27.4	-7.59	-13.52	0.00	0.00	10.26	-2.13	16.5	.142	7	.109	6
812	1012	149-01	843	27.4	-4.46	-21.51	0.00	0.00	-2.09	107.20	23.4	.491	7	.177	8
801	1002	200-01	341	0.0	-5.78	-1.80	0.00	0.00	-2.15	149.44	23.4	.601	6	.542	9
801	1004	200-01	591	0.0	-5.46	-3.82	0.00	0.00	-.12	215.52	23.4	.402	9	.866	6
801	1005	200-01	559	0.0	-5.46	-3.82	0.00	0.00	-.32	-.23	84.9	.279	7	.230	6
801	1006	200-01	154	30.3	-4.90	-2.77	0.00	0.00	-1.30	-1.50	84.9	.334	7	.213	6
802	1004	149-01	159	0.0	.07	4.87	0.00	0.00	-1.51	1.13	60.4	.427	6	.343	9
802	1005	149-01	154	0.0	-4.40	-3.44	0.00	0.00	-.86	1.39	60.4	.149	8	.133	7
803	1005	200-01	604	0.0	-4.95	-3.79	0.00	0.00	-.34	1.29	60.4	.154	6	.143	9
803	1006	200-01	113	0.0	-.72	-2.57	0.00	0.00	.41	-2.71	84.9	.442	6	.423	9
803	1008	200-01	674	30.3	-10.32	-3.59	0.00	0.00	1.10	.65	60.4	.105	6	.041	9
805	1006	200-01	652	30.3	-4.97	-3.47	0.00	0.00	-1.55	2.44	84.9	.544	6	.472	9
805	1008	200-01	652	30.3	-4.97	-3.47	0.00	0.00	-1.55	1.94	84.9	.544	6	.472	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	44.000	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	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
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	601	47.000	1.500	1	-0.00	36
701	702	12.750	.375	1	81.82	36



NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
801	20.000	.500	1.924226E+01	5.671276E+01	3.600000E+01
902	14.000	.500	2.827434E+01	8.014525E+01	3.600000E+01
903	14.000	.500	3.691372E+01	1.006532E+02	3.600000E+01
905	16.000	.750	3.593197E+01	1.308850E+02	3.600000E+01
1002	16.000	.750	5.969027E+01	2.700984E+02	3.600000E+01
1003	47.000	1.375	1.457846E+01	4.381725E+01	3.600000E+01
801	20.000	.500	4.535675E+01	2.104127E+02	3.600000E+01
902	14.000	.500	4.564272E+01	2.116549E+02	3.600000E+01
903	14.000	.500	3.804273E+01	1.786967E+02	3.600000E+01
1002	16.000	.750	2.120575E+01	6.910801E+01	3.600000E+01
806	47.000	1.375	3.063053E+01	1.456864E+02	3.600000E+01
906	20.000	.625			
908	14.000	.500			
906	14.000	.500			
1005	16.000	.750			
1004	16.000	.750			
1006	47.000	1.375			
803	20.000	.625			
905	14.000	.500			
904	14.000	.500			
906	16.000	.750			
1004	16.000	.750			
1001	46.000	1.250			
1002	20.000	.625			
1001	20.000	.625			
1003	46.000	1.250			
1002	20.000	.625			
1003	20.000	.625			
906	46.000	1.250			
1004	20.000	.625			
1005	20.000	.625			

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	1.457846E+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	4.564272E+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					
	FACTUR				
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 = 9, NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	AXIAL BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201	301	201	6	30.00	1.250	.521	1.793	9.625
			201	12.75	.500	.032	2.785	9.625
201	301	201	7	30.00	1.250	.570	1.828	9.625
			201	12.75	.500	.317	4.213	9.625
201	301	201	8	30.00	1.250	.432	.273	9.625
			201	12.75	.500	.241	2.783	9.625
201	301	201	9	30.00	1.250	.403	.420	9.625
			201	12.75	.500	.122	.649	9.625
203	303	203	6	30.00	1.250	.056	2.044	9.625
			203	12.75	.500	6.709	3.881	9.625
203	303	203	7	30.00	1.250	.019	2.278	9.625
			203	12.75	.500	7.267	4.468	9.625
203	303	203	8	30.00	1.250	1.149	.514	9.625
			203	12.75	.500	7.307	5.645	9.625
203	303	203	9	30.00	1.250	1.092	.409	9.625
			203	12.75	.500	6.578	5.102	9.625
206	306	206	6	30.00	1.250	1.021	1.113	9.625
			206	12.75	.500	6.254	4.393	9.625
206	306	206	7	30.00	1.250	1.214	1.524	9.625
			206	12.75	.500	6.935	6.476	9.625
206	306	206	8	30.00	1.250	.182	2.720	9.625
			206	12.75	.500	5.855	4.742	9.625
206	306	206	9	30.00	1.250	.018	3.232	9.625
			206	12.75	.500	6.107	4.755	9.625
201	301	301	6	30.00	1.250	.558	11.527	9.625
			206	12.75	.500	6.183	4.911	9.625
			301	12.75	.500	4.781	6.261	9.625

SAPCMK - 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
201	301	7	206 301	30.00 12.75	1.250 .500	.606 8.865	15.531 6.724	5.164 5.799	9.040 9.040
201	301	8	206 301	30.00 12.75	1.250 .500	.468 5.824	10.799 18.005	8.226 7.705	9.625 9.625
201	301	9	206 301	30.00 12.75	1.250 .500	.439 8.179	14.062 6.079	4.722 6.767	9.314 9.314
301	401	6	301	30.00	1.250	1.238	11.827	6.589	9.588
301	401	7	301	30.00	1.250	3.253	7.728	6.063	9.068
301	401	8	301	30.00	1.250	3.818	15.655	6.063	9.068
301	401	9	301	30.00	1.250	3.311	11.896	8.099	9.625
301	401	9	301	30.00	1.250	1.017	15.259	7.107	9.016
203	303	6	201 301	30.00 12.75	1.500 1.000	.077 .053	12.549 14.734	8.339 6.727	11.003 11.003
203	303	7	201 301	30.00 12.75	1.500 1.000	.046 .130	13.433 15.791	8.977 6.218	10.842 10.842
203	303	8	201 301	30.00 12.75	1.500 1.000	.997 .089	12.418 6.455	3.689 6.762	10.855 10.855
203	303	9	201 301	30.00 12.75	1.500 1.000	.948 .027	11.755 4.713	2.673 5.477	10.991 10.991
303	403	6	301	30.00	1.250	.263	14.107	7.644	9.336
					.500	2.565	16.546		

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 /	AXIAL BENDING	ALLOWABLE PUNCHING SHEAR	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
303	403	7	301	30.00	1.250	.147	15.237	7.037	9.166
			303	12.75	.500	.496	17.098		
303	403	8	301	30.00	1.250	1.230	14.968	7.685	9.029
			303	12.75	.500	2.659	16.554		
303	403	9	301	30.00	1.250	1.209	14.270	6.198	9.150
			303	12.75	.500	.377	15.117		
206	306	6	300	30.00	1.250	1.057	14.027		
			306	12.75	.750	4.613	4.658	4.619	9.216
			306	12.75	.750	2.848	7.645	6.296	9.216
206	306	7	300	30.00	1.250	1.250	17.429		
			306	12.75	.750	4.993	6.110	5.542	8.614
			306	12.75	.750	2.244	10.630	7.725	8.614
206	306	8	300	30.00	1.250	.216	15.556		
			306	12.75	.750	4.924	7.610	6.269	9.101
			306	12.75	.750	3.024	5.712	5.241	9.101
206	306	9	300	30.00	1.250	.054	17.608		
			306	12.75	.750	4.429	10.690	7.591	8.784
			306	12.75	.750	2.161	6.705	6.531	8.784
306	406	6	303	30.00	1.250	1.637	15.557	6.296	8.863
			306	12.75	.750	2.848	7.645		
306	406	7	303	30.00	1.250	1.920	19.365	7.725	8.177
			306	12.75	.750	2.244	10.630		
306	406	8	303	30.00	1.250	.201	15.567		
			306	12.75	.750	3.024	5.712	5.241	9.101
306	406	9	303	30.00	1.250	.311	17.619	6.531	8.739
			306	12.75	.750	2.161	6.705		
401	501	6	48.00	48.00	1.750	.172	9.003		
			16.00	16.00	.750	7.520	6.615	6.606	8.733
			16.00	16.00	.750	1.455	7.582	3.682	8.733
			501	642	20.00	1.000	5.124	4.527	8.733



SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / = S T R E S = / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR SHEAR 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	8.733	
	501	502		16.00	.750	3.700	4.632	3.410	8.733	8.733	
	501	642		20.00	1.000	.189	6.173	3.066	8.733	8.733	
401	501	501	8	48.00	1.750	.724	6.618				
	501	504		16.00	.750	6.939	9.699	6.807	8.733	8.733	
	501	502		16.00	.750	.533	6.408	2.824	8.733	8.733	
	501	642		20.00	1.000	4.240	4.495	4.134	8.733	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	8.733	
	501	502		16.00	.750	4.931	4.233	3.756	8.733	8.733	
	501	642		20.00	1.000	.187	6.311	3.132	8.733	8.733	
501	601	501	6	48.00	1.750	.868	6.097				
	501	504		16.00	.750	7.520	8.615	6.606	8.733	8.733	
	501	502		16.00	.750	1.455	7.582	3.682	8.733	8.733	
	501	642		20.00	1.000	4.434	5.124	4.527	8.733	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	8.733	
	501	502		16.00	.750	3.700	4.632	3.410	8.733	8.733	
	501	642		20.00	1.000	.189	6.173	3.066	8.733	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	8.733	
	501	502		16.00	.750	.533	6.408	2.824	8.733	8.733	
	501	642		20.00	1.000	4.240	4.495	4.134	8.733	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	8.733	
	501	502		16.00	.750	4.931	4.233	3.756	8.733	8.733	
	501	642		20.00	1.000	.187	6.311	3.132	8.733	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	8.691	
	503	505		16.00	.750	5.059	7.073	4.963	8.691	8.691	
	503	645		20.00	1.000	9.357	5.571	7.024	8.691	8.691	
403	503	503	7	48.00	1.750	4.341	8.641				
	502	503		16.00	.750	3.844	2.657	2.749	8.681	8.681	
	503	505		16.00	.750	3.759	7.782	4.715	8.681	8.681	
	503	645		20.00	1.000	9.289	5.746	7.077	8.681	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 / IN	S T R E S S AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR	
403	503	8	502	503	48.00	1.750	7.408	6.330		
			503	505	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	9	502	503	48.00	1.750	4.672	8.432		
			503	505	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	6	502	503	48.00	1.750	5.472	5.419		
			503	505	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	7	502	503	48.00	1.750	2.983	7.751		
			503	505	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	8	502	503	48.00	1.750	5.802	5.578		
			503	505	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	9	502	503	48.00	1.750	3.233	7.471		
			503	505	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	6	505	506	48.00	1.750	7.881	4.196		
			504	506	16.00	.750	4.252	9.914	5.785	8.733
			506	644	20.00	1.000	7.810	7.827	6.406	8.733
			506	644	20.00	1.000	6.540	6.918	6.368	8.733
406	506	7	505	506	48.00	1.750	9.204	5.125		
			504	506	16.00	.750	2.963	9.905	5.249	8.476
			506	644	20.00	1.000	9.348	9.781	7.852	8.476
			506	644	20.00	1.000	9.424	7.087	7.786	8.476
406	506	8	505	506	48.00	1.750	7.094	4.438		
			504	506	16.00	.750	4.810	8.807	5.585	8.733
			506	644	20.00	1.000	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 MLM STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	TS	RS	AXIAL BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
406	506	9	505	506	1.750	48.00	6.714	4.962	4.607	8.576
			504	506	.750	16.00	3.309	7.972	6.802	8.576
			506	644	1.000	20.00	9.244	6.162	7.257	8.576
506	606	6	505	506	1.750	48.00	6.985	2.995	5.785	8.733
			504	506	.750	16.00	4.252	9.914	6.406	8.733
			506	644	1.000	20.00	6.540	6.918	6.368	8.733
506	606	7	505	506	1.750	48.00	7.911	3.737	5.249	8.733
			504	506	.750	16.00	2.963	9.905	7.852	8.733
			506	644	1.000	20.00	9.424	7.087	7.786	8.733
506	606	8	505	506	1.750	48.00	6.665	3.446	5.565	8.733
			504	506	.750	16.00	4.810	8.807	5.525	8.733
			506	644	1.000	20.00	6.541	6.163	6.004	8.733
506	606	9	505	506	1.750	48.00	7.501	3.828	4.607	8.733
			504	506	.750	16.00	3.309	7.972	6.802	8.733
			506	644	1.000	20.00	9.244	6.162	7.257	8.733
651	701	6	701	702	1.500	47.00	1.181	.918	1.883	7.930
			644	701	.375	12.75	4.145	3.732	2.901	7.930
			701	704	.375	20.00	8.612	4.772	1.219	7.930
651	701	7	701	806	.750	20.00	6.319	4.322	4.576	7.930
			644	701	1.500	47.00	5.205	.225	1.504	7.930
			701	704	.375	12.75	3.358	2.930	3.353	7.930
651	701	8	701	702	.750	20.00	12.407	3.395	.486	7.930
			644	701	.375	12.75	.506	1.535	6.134	7.930
			701	806	.750	20.00	10.167	4.408		7.930
651	701	9	701	702	1.500	47.00	1.474	.932	1.640	7.930
			644	701	.375	12.75	4.535	2.309	2.894	7.930
			701	704	.375	20.00	8.602	4.750	1.322	7.930
651	701	10	701	806	.750	20.00	6.164	4.982	4.708	7.930
			644	701	1.500	47.00	5.205	.225	1.504	7.930
			701	704	.375	12.75	3.358	2.930	3.353	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 -	AXIAL BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR	
651	701 701	9	701 702	47.00	1.500	5.516	1.706	7.930	
			644 701	12.75	.375	4.184	3.261	7.930	
			701 704	20.00	.750	12.162	3.970	1.068	7.930
			701 806	12.75	.375	5.25	5.637	6.668	7.930
701	801 701	6	701 702	47.00	1.500	.640	1.883	7.930	
			644 701	12.75	.375	4.145	2.901	7.930	
			701 704	20.00	.750	8.612	1.219	7.930	
			701 806	12.75	.375	2.607	4.576	7.930	
701	801 701	7	701 702	47.00	1.500	2.463	1.504	7.930	
			644 701	12.75	.375	3.358	3.353	7.930	
			701 704	20.00	.750	12.407	.486	7.930	
			701 806	12.75	.375	.506	6.134	7.930	
701	801 701	8	701 702	47.00	1.500	.389	1.640	7.930	
			644 701	12.75	.375	4.535	2.309	7.930	
			701 704	20.00	.750	8.602	4.750	7.930	
			701 806	12.75	.375	1.960	1.322	7.930	
701	801 701	9	701 702	47.00	1.500	2.757	1.706	7.930	
			644 701	12.75	.375	4.184	3.261	7.930	
			701 704	20.00	.750	12.162	3.970	1.068	7.930
			701 806	12.75	.375	.525	5.637	6.668	7.930
653	703 703	6	642 703	47.00	1.500	6.960	3.966	7.930	
			702 703	20.00	.750	5.842	1.919	7.930	
			703 801	12.75	.375	4.878	5.898	7.930	
			703 705	20.00	.750	5.737	.817	7.930	
653	703 703	7	642 703	47.00	1.500	3.863	2.149	7.930	
			702 703	20.00	.750	.255	1.322	7.930	
			703 801	12.75	.375	3.327	3.003	7.930	
			703 705	20.00	.750	1.549	.990	7.930	

SAPCMK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	AXIAL BENDING	SHEAR	PUNCHING	ALLOWABLE	
					IN	IN				
653	703	6	642	703	47.00	1.500	7.062	1.546	7.930	
			702	703	20.00	.750	5.575	7.027	3.832	7.930
			703	703	12.75	.375	5.271	4.485	2.333	7.930
			703	705	20.00	.750	5.501	8.731	6.037	7.930
653	703	9	703	705	12.75	.375	1.018	4.778	1.378	7.930
			642	703	47.00	1.500	3.870	1.295	2.097	7.930
			702	703	20.00	.750	.250	6.420	1.571	7.930
			703	703	12.75	.375	4.148	2.411	2.996	7.930
703	803	6	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
			642	703	47.00	1.500	5.561	1.473	3.966	7.930
			702	703	20.00	.750	4.842	7.207	1.919	7.930
703	601	7	703	601	20.00	.750	5.737	8.178	5.898	7.930
			703	705	12.75	.375	.984	2.448	.817	7.930
			642	703	47.00	1.500	3.790	1.204	2.146	7.930
			702	703	20.00	.750	.255	6.580	1.321	7.930
703	603	7	703	601	20.00	.750	.327	6.693	3.003	7.930
			703	705	12.75	.375	1.549	2.603	.990	7.930
			642	703	47.00	1.500	5.673	1.419	3.832	7.930
			702	703	20.00	.750	5.575	7.027	2.333	7.930
703	603	6	703	601	20.00	.750	5.501	8.731	6.037	7.930
			703	705	12.75	.375	1.018	4.778	1.378	7.930
			642	703	47.00	1.500	3.862	1.169	2.097	7.930
			702	703	20.00	.750	.250	6.420	1.571	7.930
703	603	9	703	601	20.00	.750	.144	6.955	2.996	7.930
			703	705	12.75	.375	1.684	4.543	1.483	7.930
			645	706	47.00	1.500	5.336	.736	3.861	7.930
			705	706	20.00	.750	12.308	.927	1.640	7.930
706	806	6	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
			705	706	12.75	.375	2.445	4.433	1.640	7.930
			704	706	12.75	.375	11.160	6.269	7.354	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 JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER AXIAL BENDING PUNCHING SHEAR PUNCHING SHEAR

706 806 706 7 47.00 1.500 6.521 1.209 4.768 7.930  
 750 3.887 7.930  
 705 706 12.210 2.810 1.779 7.930  
 375 4.648 7.930  
 706 803 20.00 10.442 7.605 7.930  
 704 706 12.75 1.792 1.676 7.930  
 375 5.249 7.930

706 806 706 8 47.00 1.500 5.044 .723 4.369 7.930  
 750 12.838 7.930  
 705 706 2.053 2.269 1.134 7.930  
 375 2.475 7.930  
 706 803 20.00 11.026 6.740 7.930  
 704 706 12.75 2.716 1.470 7.930  
 375 3.441 7.930

706 806 706 9 47.00 1.500 6.249 1.178 4.807 7.930  
 750 11.902 4.302 7.930  
 705 706 2.375 2.919 1.301 7.930  
 375 10.149 7.080 7.930  
 706 803 20.00 1.788 1.336 7.930  
 704 706 12.75 3.819 7.930  
 375 7.930

656 706 706 6 47.00 1.500 8.234 .570 3.861 7.930  
 750 12.308 .927 7.930  
 705 706 2.445 4.233 1.640 7.930  
 375 6.269 7.930  
 706 803 20.00 11.180 7.358 7.930  
 704 706 12.75 3.374 1.831 7.930  
 375 4.294 7.930

656 706 706 7 47.00 1.500 9.333 1.195 4.768 7.930  
 750 12.214 3.887 7.930  
 705 706 2.810 4.648 1.779 7.930  
 375 10.442 7.605 7.930  
 706 803 20.00 1.792 1.676 7.930  
 704 706 12.75 5.249 7.930  
 375 7.930

656 706 706 8 47.00 1.500 7.954 .599 4.369 7.930  
 750 12.838 2.053 7.930  
 705 706 2.475 2.269 1.134 7.930  
 375 11.026 6.740 7.930  
 706 803 20.00 2.716 1.470 7.930  
 704 706 12.75 3.441 7.930  
 375 7.930

656 706 706 9 47.00 1.500 8.946 1.237 4.607 7.930  
 750 11.902 4.302 7.930  
 705 706 2.919 2.521 1.301 7.930  
 375 10.149 7.080 7.930  
 706 803 20.00 1.788 1.336 7.930  
 704 706 12.75 3.819 7.930  
 375 7.930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR SHEAR

701	801	801	6	801	804	47.00	1.500	.615	.765	1.733	7.930
				801	804	12.75	.375	4.399	2.841	3.056	7.930
				801	802	20.00	.750	5.731	3.525	1.270	7.930
				801	802	12.75	.375	1.108	4.232	3.982	7.930
				801	903	20.00	.750	5.047	4.057		
701	801	801	7	801	804	47.00	1.500	2.488	.877	1.535	7.930
				703	801	12.75	.375	3.709	2.704	2.272	7.930
				801	802	20.00	.750	.321	6.338	1.183	7.930
				801	903	12.75	.375	3.056	1.884	2.405	7.930
				801	903	20.00	.750	.116	5.368		
701	801	801	8	801	804	47.00	1.500	.414	.738	1.934	7.930
				703	801	12.75	.375	3.858	4.236	3.077	7.930
				801	802	20.00	.750	5.506	3.797	.994	7.930
				801	903	12.75	.375	1.510	2.659	3.802	7.930
				801	903	20.00	.750	4.963	3.730		
701	801	801	9	801	804	47.00	1.500	2.731	.756	2.078	7.930
				703	801	12.75	.375	3.750	4.954	2.240	7.930
				801	802	20.00	.750	.138	6.416	1.382	7.930
				801	903	12.75	.375	3.712	2.059	2.662	7.930
				801	903	20.00	.750	.216	5.851		
801	901	801	6	801	804	47.00	1.500	.602	.929	1.733	7.930
				703	801	12.75	.375	4.399	2.841	3.056	7.930
				801	802	20.00	.750	5.731	3.525	1.270	7.930
				801	903	12.75	.375	1.108	4.232	3.982	7.930
				801	903	20.00	.750	5.047	4.057		
801	901	801	7	801	804	47.00	1.500	2.540	.820	1.535	7.930
				703	801	12.75	.375	3.709	2.704	2.272	7.930
				801	802	20.00	.750	.321	6.338	1.183	7.930
				801	903	12.75	.375	3.056	1.884	2.405	7.930
				801	903	20.00	.750	.116	5.368		
801	901	801	8	801	804	47.00	1.500	.720	.751	1.934	7.930
				703	801	12.75	.375	3.858	4.236	3.077	7.930
				801	802	20.00	.750	5.506	3.797	.994	7.930
				801	903	12.75	.375	1.510	2.659	3.802	7.930
				801	903	20.00	.750	4.963	3.730		

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - 3 T R E S - = / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR SHEAR

601	901	801	9	47.00	1.500	2.671	.600	2.078	7.930
	801	804		12.75	.375	3.750	4.954	2.240	7.930
	801	802		20.00	.750	1.138	6.416	1.382	7.930
	801	903		12.75	.375	3.712	2.059	2.662	7.930
	801	906		20.00	.750	.216	5.851		7.930
703	803	803	6	47.00	1.500	5.586	.408	1.349	7.930
	802	803		12.75	.375	1.759	3.404	4.252	7.930
	706	803		20.00	.755	11.114	1.858	1.231	7.930
	803	805		12.75	.375	3.697	1.434	6.928	7.930
	803	906		20.00	.755	10.338	5.406		7.930
703	803	803	7	47.00	1.500	3.816	.776	1.242	7.930
	802	803		12.75	.375	3.074	2.117	4.166	7.930
	706	803		20.00	.755	10.382	2.299	.886	7.930
	803	805		12.75	.375	1.371	2.342	6.209	7.930
	803	906		20.00	.755	9.383	4.726		7.930
703	803	803	8	47.00	1.500	5.647	.266	1.655	7.930
	802	803		12.75	.375	2.159	4.787	3.884	7.930
	706	803		20.00	.755	10.949	.944	2.018	7.930
	803	805		12.75	.375	3.229	5.233	7.292	7.930
	803	906		20.00	.755	10.272	6.294		7.930
703	803	803	9	47.00	1.500	3.836	.660	1.345	7.930
	802	803		12.75	.375	3.727	1.887	3.933	7.930
	706	803		20.00	.755	10.075	1.911	1.501	7.930
	803	805		12.75	.375	1.284	5.028	6.502	7.930
	803	906		20.00	.755	9.219	5.554		7.930
603	903	803	6	47.00	1.500	3.218	.730	1.349	7.930
	802	803		12.75	.375	1.759	3.904	4.251	7.930
	706	803		20.00	.750	11.165	1.869	1.231	7.930
	803	805		12.75	.375	3.697	1.434	6.925	7.930
	803	906		20.00	.750	10.404	5.438		7.930
603	903	803	7	47.00	1.500	1.637	.467	1.242	7.930
	802	803		12.75	.375	3.074	2.117	4.165	7.930
	706	803		20.00	.750	10.448	2.313	.886	7.930
	803	805		12.75	.375	1.371	2.342	6.206	7.930
	803	906		20.00	.750	9.443	4.754		7.930



SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER PUNCHING BENDING PUNCHING SHEAR PUNCHING SHEAR

803	903	803	8	602	803	47.00	1.500	3.271	.670	1.655	7.930
				706	803	12.75	.375	2.159	4.787	3.882	7.930
				803	805	20.00	.750	11.019	.949	2.018	7.930
				803	906	12.75	.375	3.229	5.233	7.289	7.930
				803	906	20.00	.750	10.338	6.331		
803	903	803	9	602	803	47.00	1.500	1.671	.977	1.345	7.930
				706	803	12.75	.375	3.727	1.887	3.931	7.930
				803	805	20.00	.750	10.159	1.923	1.501	7.930
				803	906	12.75	.375	1.284	5.028	6.499	7.930
				803	906	20.00	.750	9.278	5.587		
706	806	806	6	805	806	47.00	1.500	5.313	.471	1.878	7.930
				701	806	12.75	.375	2.491	5.388	4.425	7.930
				804	806	20.00	.750	6.311	6.976	2.182	7.930
				806	901	12.75	.375	4.991	4.132	5.860	7.930
				806	901	20.00	.750	5.860	7.529		
706	806	806	7	805	806	47.00	1.500	6.496	.130	1.310	7.930
				701	806	12.75	.375	.324	5.219	4.740	7.930
				804	806	20.00	.750	10.163	4.275	2.350	7.930
				806	901	12.75	.375	4.738	5.111	7.240	7.930
				806	901	20.00	.750	9.502	7.053		
706	806	806	8	805	806	47.00	1.500	5.069	.510	1.182	7.930
				701	806	12.75	.375	2.034	2.918	4.311	7.930
				804	806	20.00	.750	6.170	6.777	1.565	7.930
				806	901	12.75	.375	4.434	2.097	5.462	7.930
				806	901	20.00	.750	5.860	6.622		
706	806	806	9	805	806	47.00	1.500	6.274	.230	.853	7.930
				701	806	12.75	.375	.244	3.351	4.824	7.930
				804	806	20.00	.750	10.191	4.482	1.735	7.930
				806	901	12.75	.375	4.771	2.471	6.847	7.930
				806	901	20.00	.750	9.459	6.200		
806	906	806	6	805	806	47.00	1.500	3.950	.384	1.678	7.930
				701	806	12.75	.375	2.491	5.388	4.425	7.930
				804	806	20.00	.750	6.311	6.476	2.182	7.930
				806	901	12.75	.375	4.991	4.132	5.860	7.930
				806	901	20.00	.750	5.860	7.529		

SAPCHK - CHEST 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	AXIAL BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	7	805 806	47.00	1.500	4.310	1.316	7.930
			701 806	12.75	.375	.324	4.748	7.930
			804 806	20.00	.750	10.163	2.353	7.930
			806 901	12.75	.375	4.738	7.240	7.930
806	906	8	805 806	47.00	1.500	3.762	1.182	7.930
			701 806	12.75	.375	2.034	4.311	7.930
			804 806	20.00	.750	6.170	2.097	7.930
			806 901	12.75	.375	4.434	5.462	7.930
806	906	9	805 806	47.00	1.500	4.120	.517	7.930
			701 806	12.75	.375	.244	3.351	7.930
			804 806	20.00	.750	10.191	4.482	7.930
			806 901	12.75	.375	4.771	2.471	7.930
801	901	6	806 901	20.00	.750	9.459	6.200	7.930
			806 901	47.00	1.375	.684	1.126	7.447
			901 902	20.00	.625	6.993	4.786	7.447
			901 904	14.00	.500	5.506	3.171	7.447
901	1004	7	901 1004	14.00	.500	3.239	2.997	7.447
			901 1002	16.00	.750	7.139	1.525	7.447
			901 1002	16.00	.750	6.719	2.155	7.447
			901 1002	16.00	.750	2.262	3.274	7.447
806	901	7	806 901	47.00	1.375	2.792	.689	7.447
			901 902	20.00	.625	11.338	2.958	7.447
			901 904	14.00	.500	1.959	1.032	7.447
			901 1004	14.00	.500	6.133	3.040	7.447
901	1004	7	901 1004	16.00	.750	12.028	5.197	7.447
			901 1002	16.00	.750	.262	.601	7.447
			901 1002	16.00	.750	1.838	1.838	7.447
			901 1002	16.00	.750	1.004	1.004	7.447
806	901	8	806 901	47.00	1.375	.754	3.716	7.447
			901 902	20.00	.625	6.981	4.829	7.447
			901 904	14.00	.500	5.019	2.477	7.447
			901 1004	14.00	.500	2.891	3.231	7.447
901	1004	8	901 1004	16.00	.750	6.888	3.152	7.447
			901 1002	16.00	.750	6.597	3.112	7.447
			901 1002	16.00	.750	1.849	1.849	7.447
			901 1002	16.00	.750	2.058	2.058	7.447
806	901	9	806 901	47.00	1.375	2.876	.599	7.447
			901 902	20.00	.625	11.270	3.027	7.447
			901 904	14.00	.500	1.106	1.444	7.447
			901 1004	14.00	.500	6.430	3.893	7.447
901	1004	9	901 1004	16.00	.750	11.868	5.250	7.447
			901 1002	16.00	.750	.002	.791	7.447
			901 1002	16.00	.750	2.058	2.058	7.447
			901 1002	16.00	.750	2.058	2.058	7.447

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / = S T R E S = / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER AXIAL BENDING PUNCHING PUNCHING SHEAR SHEAR

901 1001 901 6	806 901	47.00	1.375	.016	1.090	3.706	7.447
	901 902	20.00	.625	6.993	4.766	3.171	7.447
	901 904	14.00	.500	5.506	3.603	2.168	7.447
	901 1004	16.00	.750	7.139	2.997	3.108	7.447
	901 1002	16.00	.750	6.719	2.155	3.274	7.447

901 1001 901 7	806 901	47.00	1.375	.297	.733	4.452	7.447
	901 902	20.00	.625	11.338	2.958	1.032	7.447
	901 904	14.00	.500	1.959	1.003	3.080	7.447
	901 1004	16.00	.750	6.133	2.585	5.197	7.447
	901 1002	16.00	.750	12.028	2.129	.801	7.447

901 1001 901 8	806 901	47.00	1.375	.028	1.036	3.716	7.447
	901 902	20.00	.625	6.981	4.829	2.613	7.447
	901 904	14.00	.500	5.019	2.477	2.127	7.447
	901 1004	16.00	.750	2.891	3.231	3.152	7.447
	901 1002	16.00	.750	6.868	1.678	3.111	7.447

901 1001 901 9	806 901	47.00	1.375	.343	.735	4.453	7.447
	901 902	20.00	.625	11.270	3.027	.855	7.447
	901 904	14.00	.500	1.106	1.444	3.596	7.447
	901 1004	16.00	.750	6.430	3.893	5.250	7.447
	901 1002	16.00	.750	11.868	2.419	.791	7.447

603 903 903 6	801 903	47.00	1.375	3.530	1.060	4.771	7.447
	902 903	20.00	.500	7.490	11.275	3.174	7.447
	903 905	14.00	.500	5.077	4.047	3.551	7.447
	903 1005	16.00	.750	8.426	1.735	6.416	7.447
	903 1002	16.00	.750	13.544	3.866	3.864	7.447

603 903 903 7	801 903	47.00	1.375	1.809	1.229	2.517	7.447
	902 903	20.00	.500	.165	9.545	1.047	7.447
	903 905	14.00	.500	1.923	1.082	3.345	7.447
	903 1005	16.00	.750	7.953	1.620	5.755	7.447
	903 1002	16.00	.750	12.206	3.412	1.107	7.447

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER / - S T R E S S - / AXIAL BENDING PUNCHING PUNCHING  
 SHEAR SHEAR SHEAR

803	903	903	8	801	903	47.00	1.375	3.530	1.147	4.670	7.447
				902	903	20.00	.500	7.335	11.932	3.124	7.447
				903	905	14.00	.500	4.594	4.392	4.028	7.447
				903	1005	14.00	.500	7.739	3.818	6.391	7.447
				903	1005	16.00	.750	13.268	4.063	3.843	7.447
				903	1002	16.00	.750	6.663	3.690		7.447

803	903	903	9	801	903	47.00	1.375	1.789	1.358	2.560	7.447
				902	903	20.00	.500	.334	9.552	.918	7.447
				903	905	14.00	.500	1.074	1.570	3.920	7.447
				903	1005	14.00	.500	7.588	3.659	5.705	7.447
				903	1005	16.00	.750	11.859	3.613	.984	7.447
				903	1002	16.00	.750	.036	2.529		7.447

903	1003	903	6	801	903	47.00	1.375	.499	1.246	4.771	7.447
				902	903	20.00	.500	7.490	11.275	3.174	7.447
				903	905	14.00	.500	5.077	4.047	3.551	7.447
				903	1005	14.00	.500	8.426	1.735	6.416	7.447
				903	1005	16.00	.750	13.544	3.666	3.88..	7.447
				903	1002	16.00	.750	6.774	3.692		7.447

903	1003	903	7	801	903	47.00	1.375	.329	1.305	2.517	7.447
				902	903	20.00	.500	.165	9.545	1.047	7.447
				903	905	14.00	.500	1.923	1.082	3.345	7.447
				903	1005	14.00	.500	7.953	1.620	5.755	7.447
				903	1005	16.00	.750	12.206	3.412	1.107	7.447
				903	1002	16.00	.750	.249	2.599		7.447

903	1003	903	8	801	903	47.00	1.375	.532	1.324	4.670	7.447
				902	903	20.00	.500	7.335	11.932	3.124	7.447
				903	905	14.00	.500	4.594	4.392	4.028	7.447
				903	1005	14.00	.500	7.739	3.818	6.391	7.447
				903	1005	16.00	.750	13.268	4.063	3.843	7.447
				903	1002	16.00	.750	6.663	3.690		7.447

903	1003	903	9	801	903	47.00	1.375	.357	1.426	2.560	7.447
				902	903	20.00	.500	.334	9.552	.918	7.447
				903	905	14.00	.500	1.074	1.570	3.920	7.447
				903	1005	14.00	.500	7.588	3.659	5.705	7.447
				903	1005	16.00	.750	11.859	3.613	.984	7.447
				903	1002	16.00	.750	.036	2.529		7.447

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER THICKNESS / - S T R E S S - / PUNCHING PUNCHING  
 SHEAR SHEAR

606	906	906	6	803	906	47.00	1.375	4.269	.170	3.943	7.447
				905	906	20.00	.625	12.393	.385	4.146	7.447
				904	906	14.00	.500	7.680	4.221	2.393	7.447
				906	1005	14.00	.750	13.602	2.695	5.987	7.447
				906	1004	16.00	.750	7.143	3.367	3.893	7.447
606	906	906	7	803	906	47.00	1.375	4.660	.794	5.069	7.447
				905	906	20.00	.625	11.251	4.945	4.154	7.447
				904	906	14.00	.500	7.288	4.642	3.684	7.447
				906	1005	14.00	.750	6.765	3.810	5.624	7.447
				906	1004	16.00	.750	12.272	3.011	5.840	7.447
				906	1004	16.00	.750	11.993	3.838		
606	906	906	8	803	906	47.00	1.375	4.121	.425	4.154	7.447
				905	906	20.00	.625	12.331	1.095	3.279	7.447
				904	906	14.00	.500	6.996	2.400	1.689	7.447
				906	1005	14.00	.750	3.243	1.603	5.759	7.447
				906	1004	16.00	.750	13.318	2.369	3.637	7.447
				906	1004	16.00	.750	6.883	2.945		
606	906	906	9	803	906	47.00	1.375	4.511	.822	5.104	7.447
				905	906	20.00	.625	11.068	5.224	3.564	7.447
				904	906	14.00	.500	6.926	3.296	3.027	7.447
				906	1005	14.00	.750	7.056	1.608	5.434	7.447
				906	1004	16.00	.750	11.919	2.850	5.661	7.447
				906	1004	16.00	.750	11.828	3.527		
906	1006	906	6	803	906	47.00	1.375	.530	.471	3.943	7.447
				905	906	20.00	.625	12.393	.385	4.146	7.447
				904	906	14.00	.500	7.680	4.221	2.393	7.447
				906	1005	14.00	.750	13.602	2.695	5.987	7.447
				906	1004	16.00	.750	7.143	3.367	3.893	7.447
906	1006	106	7	803	906	47.00	1.375	.595	.960	5.069	7.447
				905	906	20.00	.625	11.251	4.945	4.154	7.447
				904	906	14.00	.500	7.288	4.642	3.684	7.447
				906	1005	14.00	.750	6.765	3.810	5.624	7.447
				906	1004	16.00	.750	12.272	3.011	5.840	7.447
				906	1004	16.00	.750	11.993	3.838		

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR SHEAR

906 1006 906 6	803 906	47.00	1.375	.641	4.154	7.447
	905 906	20.00	.625	12.331	3.279	7.447
	904 906	14.00	.500	6.996	1.689	7.447
	906 1005	14.00	.500	3.243	5.759	7.447
	906 1004	16.00	.750	13.318	3.637	7.447
		16.00	.750	6.883		
906 1006 906 9	803 906	47.00	1.375	.544	5.104	7.447
	905 906	20.00	.625	11.068	3.564	7.447
	904 906	14.00	.500	6.926	3.027	7.447
	906 1005	14.00	.750	11.919	5.434	7.447
	906 1004	16.00	.750	11.828	5.661	7.447
901 1001 1001 6	1001 1002	46.00	1.250	.014	2.992	7.062
	1001 1004	20.00	.625	.219	3.178	7.062
		20.00	.625	.358		
901 1001 1001 7	1001 1002	46.00	1.250	.366	3.948	7.062
	1001 1004	20.00	.625	5.925	4.773	7.062
		20.00	.625	5.075		
901 1001 1001 8	1001 1002	46.00	1.250	.001	2.552	7.062
	1001 1004	20.00	.625	.067	2.627	7.062
		20.00	.625	.043		
901 1001 1001 9	1001 1002	46.00	1.250	.352	3.541	7.062
	1001 1004	20.00	.625	5.777	4.349	7.062
		20.00	.625	5.464		
903 1003 1003 6	1002 1003	46.00	1.250	.592	6.027	7.062
	1003 1005	20.00	.625	9.360	6.539	7.062
		20.00	.625	9.569		
903 1003 1003 7	1002 1003	46.00	1.250	.400	3.957	7.062
	1003 1005	20.00	.625	6.296	4.948	7.062
		20.00	.625	6.530		
903 1003 1003 8	1002 1003	46.00	1.250	.564	5.605	7.062
	1003 1005	20.00	.625	8.904	6.107	7.062
		20.00	.625	8.947		

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

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



SAPCMK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API GRIE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

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

I N P U T D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA	ANGLE	YIELD
501	502	16,000	.500	2	-0.00	36	36
502	504	10,750	.365	1	60.00	36	36
502	505	10,750	.365	1	60.00	36	36
503	505	16,000	.500	2	-0.00	36	36
502	505	10,750	.365	2	60.00	36	36
504	505	10,750	.365	2	60.00	36	36
504	505	16,000	.500	1	-0.00	36	36
502	504	10,750	.365	2	60.00	36	36
504	505	10,750	.365	1	60.00	36	36
701	702	12,750	.375	2	-0.00	36	36
702	704	10,750	.365	1	60.00	36	36
702	705	10,750	.365	1	60.00	36	36
705	705	12,750	.375	2	-0.00	36	36
702	705	10,750	.365	2	60.00	36	36
704	705	10,750	.365	2	60.00	36	36
704	706	12,750	.375	1	-0.00	36	36
702	704	10,750	.365	2	60.00	36	36
704	705	10,750	.365	1	60.00	36	36
801	802	12,750	.375	2	-0.00	36	36
802	805	10,750	.365	1	60.00	36	36
802	804	10,750	.365	1	60.00	36	36
803	805	12,750	.375	2	-0.00	36	36
802	805	10,750	.365	2	60.00	36	36
804	805	10,750	.365	2	60.00	36	36
804	806	12,750	.375	1	-0.00	36	36
804	804	10,750	.365	2	60.00	36	36
804	805	10,750	.365	1	60.00	36	36
901	902	14,000	.500	2	-0.00	36	36
902	904	10,750	.365	1	60.00	36	36
902	905	10,750	.365	1	60.00	36	36
901	904	14,000	.500	2	-0.00	36	36
902	904	10,750	.365	2	60.00	36	36
904	905	10,750	.365	1	60.00	36	36
905	906	14,000	.500	1	-0.00	36	36
902	905	10,750	.365	2	60.00	36	36
904	905	10,750	.365	2	60.00	36	36
1001	1002	24,000	.875	2	-0.00	36	36
901	1002	16,000	.750	2	46.20	36	36
1002	1004	14,000	.375	1	60.00	36	36
1002	1005	24,000	.875	1	-0.00	36	36
903	1002	16,000	.750	2	46.20	36	36
1002	1005	14,000	.375	1	50.00	36	36
1003	1005	24,000	.875	2	-0.00	36	36
903	1005	16,000	.750	2	46.20	36	36
1002	1005	14,000	.375	2	60.00	36	36
1005	1006	24,000	.875	1	-0.00	36	36
906	1005	16,000	.750	2	46.20	36	36
1004	1005	14,000	.375	2	60.00	36	36
1001	1004	24,000	.875	2	-0.00	36	36
901	1004	16,000	.750	2	46.20	36	36
1002	1004	14,000	.375	2	60.00	36	36
1004	1006	24,000	.875	1	-0.00	36	36

1004 1004 10,000 750 2 46.20 36  
 1004 1005 10,000 375 1 60.00 36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.075000E+01	3.650000E-01	1.194829E+01	2.994404E+01	3.800000E+01
2	1.600000E+01	7.500000E-01	3.593197E+01	1.308850E+02	3.800000E+01
3	1.400700E+01	3.750000E-01	1.605158E+01	5.325145E+01	3.800000E+01
LOAD CASE	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 MLM STRUCTURE SECONDARY JOINTS

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - S T R E S S - / CALCULATED ALLOWABLE  
 NUMBER CASE NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR

501 502 502 6 16.00 .500 2.148 5.802 4.052 7.914  
 502 504 10.75 .365 6.150 7.914  
 502 505 10.75 .365 2.203 4.952 7.172 7.914

501 502 502 7 16.00 .500 5.460 6.595 3.773 7.914  
 502 504 10.75 .365 5.747 7.914  
 502 505 10.75 .365 1.533 6.595 4.954 7.914

501 502 502 8 16.00 .500 7.86 5.736 4.218 7.914  
 502 504 10.75 .365 6.366 7.914  
 502 505 10.75 .365 2.256 9.684 7.188 7.914

501 502 502 9 16.00 .500 7.277 6.360 3.950 7.748  
 502 504 10.75 .365 7.747 7.748  
 502 505 10.75 .365 1.447 6.668 4.876 7.748

503 505 505 6 16.00 .500 7.466 2.235 2.713 7.914  
 502 505 10.75 .365 2.264 2.321 4.160 7.914  
 504 505 10.75 .365 1.632 5.297 7.914

503 505 505 7 16.00 .500 5.550 2.371 3.681 7.914  
 502 505 10.75 .365 1.535 4.608 6.578 7.914  
 504 505 10.75 .365 2.224 6.712 7.914

503 505 505 8 16.00 .500 8.242 2.457 2.935 7.914  
 502 505 10.75 .365 2.280 2.691 4.293 7.914  
 504 505 10.75 .365 1.623 5.524 7.914

503 505 505 9 16.00 .500 6.033 2.736 3.721 7.914  
 502 505 10.75 .365 1.449 4.708 6.510 7.914  
 504 505 10.75 .365 2.183 6.634 7.914

504 506 504 6 16.00 .500 11.527 5.926 2.660 7.251  
 502 504 10.75 .365 5.41 3.661 7.251  
 504 505 10.75 .365 1.632 6.021 7.251

504 506 504 7 16.00 .500 13.856 4.826 3.109 7.082  
 502 504 10.75 .365 7.49 4.403 4.660 7.082  
 504 505 10.75 .365 2.224 5.254 7.082

SAPCAR - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

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

CHORD JOINT LOAD BRACE DIAPHETER THICKNESS / - 9 T H E S - / CALCULATED ALLOWABLE  
 NUMBER NUMBER CASE NUMBER AXIAL BENDING PUNCHING PUNCHING  
 SHEAR

504	506	504	8	16.00	.500	10.651	5.669							
		502	504	10.75	.365		3.446	2.430	7.407					
		504	505	10.75	.365	1.623	5.504	4.157	7.607					
504	506	504	9	16.00	.500	12.866	4.091							
		502	504	10.75	.365	.748	3.988	2.858	7.320					
		504	505	10.75	.365	2.163	4.040	4.199	7.520					
701	702	702	6	12.75	.375	4.145	7.699							
		702	704	10.75	.365	.027	.222	.201	6.880					
		702	705	10.75	.365	1.235	5.072	5.060	6.880					
701	702	702	7	12.75	.375	3.358	6.388							
		702	704	10.75	.365	.743	3.356	3.291	6.880					
		702	705	10.75	.365	.677	3.018	2.987	6.880					
701	702	702	8	12.75	.375	4.535	7.509							
		702	704	10.75	.365	.012	.819	.673	6.880					
		702	705	10.75	.365	1.233	5.074	5.060	6.880					
701	702	702	9	12.75	.375	4.184	6.160							
		702	704	10.75	.365	.756	3.488	3.390	6.880					
		702	705	10.75	.365	.661	3.075	3.000	6.880					
703	705	705	6	12.75	.375	.984	3.404							
		702	705	10.75	.365	1.238	3.408	4.151	6.880					
		702	705	10.75	.365	1.251	3.836	4.072	6.880					
703	705	705	7	12.75	.375	1.554	6.099							
		702	705	10.75	.365	.675	2.138	2.251	6.880					
		704	705	10.75	.365	1.410	5.222	5.316	6.880					
703	705	705	8	12.75	.375	1.018	3.642							
		702	705	10.75	.365	1.235	3.986	4.180	6.880					
		704	705	10.75	.365	1.248	3.784	4.026	6.880					
703	705	705	9	12.75	.375	1.683	6.291							
		702	705	10.75	.365	.659	2.124	2.228	6.880					
		704	705	10.75	.365	1.403	5.105	5.214	6.880					
704	706	704	6	12.75	.375	3.374	4.025							
		702	704	10.75	.365	.027	.865	.722	6.880					
		704	705	10.75	.365	1.251	5.413	5.349	6.880					

SAPORA - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 43 FT MLW STRUCTURE SECONDARY JOINTS

CHORD JOINT LOAD BRACE DIAMETER THICKNESS / - 9 T R E S - / CALCULATED ALLOWABLE  
 NUMBER CASE NUMBER NUMBER NUMBER PUNCHING PUNCHING PUNCHING  
 SHEAR SHEAR SHEAR

704	706	704	7	702	704	12.75	.375	1.787	2.080	2.246	0.880
				704	705	10.75	.365	1.410	5.364	5.431	0.880
704	706	704	8	702	704	12.75	.375	2.712	4.294	.116	0.880
				704	705	10.75	.365	1.012	5.132	5.174	0.880
704	706	704	9	702	704	12.75	.375	1.740	1.863	2.124	0.880
				704	705	10.75	.365	1.403	5.197	5.290	0.880
801	802	802	6	802	804	12.75	.375	1.108	7.306	5.272	0.880
				802	804	10.75	.365	1.056	5.501	.260	0.880
801	802	802	7	802	804	12.75	.375	3.056	0.635	3.101	0.880
				802	804	10.75	.365	.610	3.247	2.809	0.880
801	802	802	8	802	804	12.75	.375	1.510	7.361	5.267	0.880
				802	804	10.75	.365	1.054	5.408	.751	0.880
801	802	802	4	802	804	12.75	.375	3.712	0.557	3.129	0.880
				802	804	10.75	.365	.545	3.295	3.008	0.880
803	805	805	6	802	805	12.75	.375	3.647	2.814	3.602	0.880
				804	805	10.75	.365	1.054	3.445	3.923	0.880
803	805	805	7	802	805	12.75	.375	1.374	5.513	2.097	0.880
				804	805	10.75	.365	.608	2.011	5.240	0.880
803	805	805	8	802	805	12.75	.375	3.229	2.747	3.782	0.880
				804	805	10.75	.365	1.047	3.873	3.749	0.880
803	805	805	9	802	805	12.75	.375	1.267	5.633	2.080	0.880
				804	805	10.75	.365	.544	2.003	5.240	0.880
				804	805	10.75	.365	1.166	5.358		

SAPCON - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR S.NAVY 27-771-01 93 FI PLD STRUCTURE SECONDARY JOINTS

CHORD JOINT LOAD SPACE DIAMETER THICKNESS / - 9 T R E S - / CALCULATED ALLOWABLE  
 NUMBER CASE NUMBER PUNCHING PUNCHING PUNCHING  
 SHEAR

804 806 804 6 12.75 .375 4.993 4.663 .638 8.880  
 802 804 .365 .743  
 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 5.046 4.995 8.880

804 806 804 8 12.75 .375 4.436 4.624  
 802 804 10.75 .365 .043 .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 1.966 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 .514 9.341  
 902 905 10.75 .365 .944 6.250 4.374 9.341

901 902 902 7 14.00 .500 1.959 4.470  
 902 904 10.75 .365 .442 2.042 1.840 9.341  
 902 905 10.75 .365 .604 3.032 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 .467 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 5.376 3.796 9.341

901 904 904 7 14.00 .500 6.124 4.569  
 902 904 10.75 .365 .441 2.306 1.685 9.341  
 904 905 10.75 .365 1.084 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

SAPCKA - CHEST OFFSHORE, INC. STRUCTURAL PUSIPROCESSOR 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	9	904	14.00	.500	6.430	4.510		
			905	10.75	.365	.465	2.125	1.570	9.341
			906	10.75	.365	1.082	4.731	3.500	9.341
905	906	6	902	14.00	.500	7.680	2.883		
			903	10.75	.365	.947	3.182	2.496	9.341
			904	10.75	.365	.915	3.072	2.882	9.341
905	906	7	902	14.00	.500	7.286	1.203		
			903	10.75	.365	.603	2.170	1.667	9.341
			904	10.75	.365	1.088	5.872	4.198	9.341
905	906	8	902	14.00	.500	6.996	2.772		
			903	10.75	.365	.908	3.494	2.693	9.341
			904	10.75	.365	.910	3.883	2.861	9.341
905	906	9	902	14.00	.500	6.924	.908		
			903	10.75	.365	.591	2.292	1.734	9.341
			904	10.75	.365	1.082	5.778	4.136	9.341
1001	1002	6	901	24.00	.875	.131	.873		
			1002	18.00	.750	6.707	2.786	4.863	8.816
			1004	14.00	.575	.089	4.872	1.692	8.733
1001	1002	7	901	24.00	.875	3.546	.328		
			1002	18.00	.750	.253	2.481	1.744	8.816
			1004	14.00	.575	.397	3.864	1.443	8.733
1001	1002	8	901	24.00	.875	.040	.850		
			1002	18.00	.750	6.610	2.594	4.710	8.816
			1004	14.00	.575	.017	4.069	1.459	8.733
1001	1002	9	901	24.00	.875	3.457	.581		
			1002	18.00	.750	.011	2.424	1.593	8.816
			1004	14.00	.575	.451	3.183	1.289	8.733
1002	1003	6	903	24.00	.875	5.602	.168		
			1002	18.00	.750	6.782	2.271	4.621	8.816
			1005	14.00	.575	.774	3.820	1.826	8.733
1002	1003	7	903	24.00	.875	3.768	.401		
			1002	18.00	.750	.308	2.254	1.377	8.816
			1005	14.00	.575	.397	4.443	1.721	8.733

SAPCON - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR 8-NAVY 21-771-01 93 FT. MLR STRUCTURE SECONDARY JOINTS

CHORD JOINT LOAD SPACE DIAMETER THICKNESS / - S T H E S - / CALCULATED ALLOWABLE  
 NUMBER CASE NUMBER AXIAL BENDING PURCHING PURCHING PUNCHING  
 SHEAR SHEAR

1002	1003	1002	6	903	1002	16.00	.875	5.328	.515	4.669	8.816
				1002	1005	14.00	.575	6.651	2.479	1.417	8.733
								.758	5.250		
1002	1003	1002	9	903	1002	16.00	.875	3.470	.607	1.211	8.816
				1002	1005	14.00	.575	.026	2.206	1.568	8.733
								.445	4.026		
1003	1005	1003	6	903	1005	16.00	.875	5.727	1.002	7.428	8.816
				1002	1005	14.00	.575	13.553	1.206	.796	8.733
								.777	1.496		
1003	1005	1003	7	903	1005	16.00	.875	3.908	.972	7.014	8.816
				1002	1005	14.00	.575	12.216	1.677	1.218	8.733
								.392	5.039		
1003	1005	1003	9	903	1005	16.00	.875	5.354	1.062	7.509	8.816
				1002	1005	14.00	.575	13.258	1.626	.886	8.733
								.756	1.768		
1003	1005	1003	9	903	1005	16.00	.875	3.506	1.021	6.992	8.816
				1002	1005	14.00	.575	11.846	1.976	1.402	8.733
								.450	3.499		
1005	1006	1005	6	906	1005	16.00	.875	5.229	.433	8.413	8.816
				1004	1005	14.00	.575	13.591	2.988	.695	8.733
								.741	1.247		
1005	1006	1005	7	906	1005	16.00	.875	5.965	.413	7.710	8.816
				1004	1005	14.00	.575	12.264	2.914	.753	8.733
								.848	1.507		
1005	1006	1005	6	906	1005	16.00	.875	5.379	.360	8.016	8.816
				1004	1005	14.00	.575	13.327	2.500	.524	8.733
								.723	.784		
1005	1006	1005	9	906	1005	16.00	.875	6.096	.508	7.326	8.816
				1004	1005	14.00	.575	11.928	2.516	.900	8.733
								.865	1.702		
1001	1004	1004	6	901	1004	16.00	.875	.214	1.014	4.780	8.816
				1002	1004	14.00	.575	7.150	2.223	1.655	8.733
								.069	4.569		



SAPCHA - 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 - /	AXIAL BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1001	1004	1004	7	24.00	.875	3.516	.639	7.321	8.616
			901	1004	.750	12.037	2.406	1.205	8.733
			1002	1004	.575	.392	3.004		
1001	1004	1004	8	24.00	.875	.026	.830	4.768	8.616
			901	1004	.750	6.879	2.453	1.661	8.733
			1002	1004	.575	.017	4.690		
1001	1004	1004	9	24.00	.875	3.270	.576	7.420	8.616
			901	1004	.750	11.855	2.756	1.315	8.733
			1002	1004	.575	.455	5.252		
1004	1006	1004	6	24.00	.875	5.551	.574	5.029	8.616
			906	1004	.750	7.133	2.700	1.138	8.733
			1004	1005	.575	.741	2.448		
1004	1006	1004	7	24.00	.875	6.178	.945	7.132	8.616
			906	1004	.750	11.964	2.107	.600	8.733
			1004	1005	.575	.848	.876		
1004	1006	1004	8	24.00	.875	5.540	.682	4.857	8.616
			906	1004	.750	6.892	2.604	1.163	8.733
			1004	1005	.575	.723	2.574		
1004	1006	1004	9	24.00	.875	6.298	.852	6.916	8.616
			906	1004	.750	11.836	1.645	.529	8.733
			1004	1005	.575	.865	.664		

END OF JOINT CHECK

END OF RUN - SAPCHA

APPENDIX B.5  
LIFT ANALYSIS

\*\*\*\*\*  
\* MCDONNELL-DCI ICES EXECUTIVE SYSTEM \*  
\* \* \* \* \*

\* MAC REL: 2.5 - RELEASED 2/5/73 \*  
\* \* \* \* \*

\* TIME=16.19.41, 8/23/76 \*  
\* \* \* \* \*



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	-5,24	0.	38,86	
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	50,31	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	509
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 MUM X MOM Y MOM Z FUR 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 50.19 IX 1787.12 IY 893.56 IZ 893.56 SY 111.70 SZ 111.70  
 34 TO 39 -  
 AX 24.35 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  
 58 TO 75 -  
 AX 11.91 IX 321.46 IY 160.73 IZ 160.73 SY 29.90 SZ 29.90  
 76 TO 78 -

AX 16.05 IX 745.50 IY 372.75 IZ 372.75 SY 53.25 SZ 53.25

CONSTANTS

E 5000. ALL

UNIT FT LB9

LOADING 1 'JACKET DEAD LOAD FOR LIFTING --PLATFORM #2'

MEMBER LOADS

- 1 TO 3 FOR Z GLO UNI M =864.43
- 4 TO 6 FOR Z GLO UNI FR M =864.43 LA 0.0 LB 0.19
- 4 TO 6 FOR Z GLO UNI FR M =728.92 LA 0.19 LB 1.0
- 7 TO 9 FOR Z GLO UNI FR M =728.92 LA 0.0 LB 0.135
- 7 TO 9 FOR Z GLO UNI FR M =242.97 LA 0.135 LB 0.833
- 7 TO 9 FOR Z GLO UNI FR M =728.92 LA 0.833 LB 1.0
- 10 TO 12 FOR Z GLO UNI FR M =728.92 LA 0.0 LB 0.10
- 10 TO 12 FOR Z GLO UNI FR M =242.97 LA 0.10 LB 0.87
- 10 TO 12 FOR Z GLO UNI FR M =610.77 LA 0.87 LB 1.0
- 13 TO 15 FOR Z GLO UNI FR M =610.77 LA 0.0 LB 0.13
- 13 TO 15 FOR Z GLO UNI FR M =242.97 LA 0.13 LB 0.93
- 13 TO 15 FOR Z GLO UNI FR M =597.42 LA 0.93 LB 1.0
- 16 TO 18 FOR Z GLO UNI M =597.42
- 19 TO 21 FOR Z GLO UNI M =226.78
- 22 TO 27 FOR Z GLO UNI M =124.32
- 28 TO 33 FOR Z GLO UNI M =102.62
- 34 TO 39 FOR Z GLO UNI M =82.77
- 40 TO 51 FOR Z GLO UNI M =49.52
- 52 TO 57 FOR Z GLO UNI M =72.09

56 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	LOADING 2	COUNT 2	LOADING 3	COUNT 3	LOADING 4	COUNT 4	LOADING 5	COUNT 5	LOADING 6	COUNT 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 1								
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 1								
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 1								
UNBALANCE	-9.89712D 00	7.08465D 01	4.76546D 01	5.60147D 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 - ACHR TITLE - LIFTING ANALYSIS -- PLATFORM #2 -- U.S.NAVY

ACTIVE UNITS INCH KIPS RAD FMR SEC LBM

LOADING - 1 JACKET DEAD LOAD FOR LIFTING -- PLATFORM #2

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT	BENDING Y	BENDING Z
1	401	0.00	0.00	0.00	0.01	0.00	-0.09	0.02	0.02
1	501	-0.00	-0.00	-0.00	2.40	-0.00	40.22	0.02	0.02
2	403	-0.00	-0.01	-0.01	0.00	-0.01	-0.00	-0.14	-0.14
2	503	0.95	0.01	0.01	2.31	0.01	39.99	-0.12	-0.12
3	406	-0.00	0.00	0.00	-0.01	0.00	0.09	0.02	0.02
3	506	0.00	-0.00	-0.00	2.42	-0.00	40.49	0.02	0.02
4	501	21.92	0.91	0.91	15.03	265.41	7.69	-2.86	-2.86
4	701	-21.92	-0.91	-0.91	6.85	-265.41	-897.35	289.35	289.35
5	503	-13.85	-0.21	-0.21	0.06	-26.97	456.62	-47.75	-47.75
5	703	14.54	0.21	0.21	19.24	26.97	2654.95	-11.43	-11.43
6	506	5.37	-0.40	-0.40	2.20	309.95	83.71	-83.48	-83.48
6	706	-5.37	0.40	0.40	17.68	-309.95	2499.76	-81.57	-81.57
7	70	21.43	-1.42	-1.42	3.70	-425.50	-190.89	-302.82	-302.82
7	801	-21.43	1.42	1.42	6.57	625.50	596.00	-144.41	-144.41
8	703	11.03	-1.43	-1.43	17.90	-668.73	-2771.52	51.62	51.62
8	803	-11.03	1.43	1.43	-8.02	668.73	-1385.70	411.72	411.72
9	706	19.49	0.58	0.58	17.40	-486.63	-2541.21	144.14	144.14
9	806	-19.49	-0.58	-0.58	-7.13	486.63	-1384.39	36.78	36.78
10	601	19.81	-0.21	-0.21	7.10	-690.77	-640.70	64.02	64.02
10	901	-19.81	0.21	0.21	2.19	690.77	107.39	-133.41	-133.41
11	803	-6.09	-4.27	-4.27	-3.30	-373.78	1406.17	-497.59	-497.59
11	903	10.37	4.27	4.27	12.30	373.78	1163.76	-904.46	-904.46
12	806	9.30	0.07	0.07	5.65	-961.98	-62.74	59.72	59.72

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
12	900	-9.30	-0.07	3.04	961.98	-257.38	-37.78
13	901	0.89	-0.28	5.08	-34.50	-97.36	36.14
14	903	2.99	2.75	7.49	-235.89	-1048.56	54.46
15	906	-0.61	0.50	0.88	-235.89	43.96	921.53
16	1001	0.01	-0.03	2.45	492.75	133.70	45.52
17	1003	0.50	0.04	2.37	0.01	59.00	51.51
18	1006	0.02	-0.04	0.02	0.15	-1.14	0.15
19	1100	-0.02	0.07	2.38	-0.15	57.03	-0.50
20	503	17.43	-1.77	3.82	0.02	59.18	-0.76
21	501	-23.36	0.25	0.05	-3.06	2.37	-3.25
22	701	9.12	-0.25	5.88	3.06	-93.37	69.14
23	706	-1.12	1.12	3.17	75.03	621.24	57.67
24	703	43.03	1.63	2.40	-75.03	-424.17	-113.71
25	801	-12.02	-0.19	3.21	48.98	224.37	-53.35
26	806	-7.49	-0.97	-3.66	60.96	-134.52	85.84
27	803	12.51	1.12	9.97	2283.09	357.31	206.19
28	901	-19.62	-0.97	1.71	-58.62	1709.86	-57.65
29	906	15.43	0.47	1.72	58.62	2283.09	56.39
30	903	4.12	0.03	1.49	-17.10	-96.80	-50.40
31	906	-4.12	-0.03	2.20	38.09	104.15	6.72
32	1004	-20.48	-1.15	2.00	-38.09	-232.59	278.37
33	1001	23.42	1.61	3.13	7.10	174.81	83.21
34	1003	-2.13	-0.01	2.21	-7.10	-110.23	10.26
35	1006	1.33	0.01	4.11	26.08	436.77	7.02
36	1001	-1.33	-0.01	2.21	-26.08	-242.64	-148.19
37	1003	21.28	0.82	1.88	26.08	232.77	14.66
38	1006	-21.28	-0.05	1.88	-26.08	-120.21	66.38
39	1001	24.27	0.95	1.81	44.88	277.31	-276.34
40	1003	-24.27	-0.95	2.07	-44.88	-73.04	-1.80
41	1006	1.50	0.18	2.00	2.63	133.30	-2.15
42	1001	-1.50	-0.18	2.00	-2.63	-86.31	2.89
43	1003	24.49	0.70	2.29	82.50	114.63	3.55
44	1006	-24.49	-0.70	0.93	-82.50	-226.94	-24.65
45	1001	25.90	1.37	0.85	95.81	81.71	-149.01
46	1003	-25.90	-1.37	1.50	-95.81	3.49	212.77
47	1006	23.22	0.53	1.09	67.09	218.75	408.68
48	1001	-23.22	-0.53	0.83	-67.09	-130.56	65.28
49	1003	13.44	0.21	0.83	0.64	181.03	-163.07
50	1006	-13.44	-0.21	0.83	-0.64	-107.11	128.90
51	501					-7.93	303.30
52	501					-73.79	25.64

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT 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	0.44	7.67	-75.52
37	503	12.44	0.57	-0.37	-0.84	-65.70	-84.65
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	23.36	0.13	0.36	6.05	-17.28	16.15
40	704	-23.36	-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	-61.17	-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	-57.35	-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	13.31	-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	-12.03
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	-25.31	166.60
49	803	19.17	-1.09	-0.22	-2.43	-21.60	54.22
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	-46.51	-166.49
51	801	-6.74	1.32	0.07	4.21	6.47	-96.07
52	901	9.27	0.17	-0.07	-2.93	111.47	27.51
52	904	-9.27	-0.17	1.97	2.93	211.72	26.86
53	904	3.65	-0.17	1.05	2.48	-18.66	-27.65
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	-101.23	315.86
56	903	-42.54	-2.67	-0.36	23.42	63.08	-248.71

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
56	902	40.89	3.62	0.52	-25.42	76.54	-747.01
57	901	-41.32	-2.69	-0.03	-36.10	18.42	-697.30
58	1001	59.68	3.63	0.19	36.10	17.27	-303.78
58	1004	8.38	-0.00	0.46	-54.73	229.52	0.90
58	1004	-5.38	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	3.89	0.05	-23.14	-11.73	564.31
60	1005	11.58	-5.85	-0.38	23.14	66.41	1207.12
61	1005	-1.98	1.89	0.32	4.64	-124.37	865.10
61	1003	5.36	-3.84	-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	-25.13	-1006.86
63	1002	-13.59	-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	-8.67	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	0.32	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
69	705	0.94	0.31	-0.04	2.81	-4.41	-18.33
69	702	2.67	-0.02	0.36	2.36	-14.27	0.33
69	802	-2.67	0.02	0.40	-2.36	18.91	-5.13
70	804	-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	-1.25	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	-5.54	1.55	-3.13	-3.35	459.02	234.07
73	902	-10.27	-1.56	0.32	-7.71	-56.90	-280.52
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	1770.29	7.93
76	1002	18.02	-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	5.07	1.52	0.01	-0.55	-23.94	128.95
77	1005	-4.24	-0.50	-0.15	0.55	-4.74	201.41
78	1005	12.83	-0.36	16.02	5.45	-2817.82	-70.49

MEMBER FORCES

MEMBER	JOINT	AXIAL	FORCE SHEAR Y	SHEAR Z	TORSIONAL	MOMENT BENDING Y	BENDING Z
70	1002	-12.83	0.36	-14.37	-5.45	-2711.95	-91.71

RESULTANT JOINT LOADS - SUPPORTS

JOINT	X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
703	25.11	-0.00	161.06	0.01	-0.00	0.00
903	-25.10	0.00	160.52	0.00	0.00	-0.00
	<u>0</u>		<u>321.58</u>			



FINISH

APPENDIX B.6  
MATERIAL LISTING

LIST OF INPUT DATA -- U.S. NAVY ACRH PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

1	30,000	1,750	0.0	3	5,000	SMT.1 LEG CAN
1	30,000	1,000	0.0	3	9,083	SMT.1 LEG CAN
1	30,000	1,500	0.0	3	5,000	SMT.1 LEG CAN
1	30,000	1,000	0.0	1	8,053	SMT.1 LEG CAN
1	30,000	1,000	0.0	2	5,657	SMT.1 LEG CAN
1	30,000	1,500	0.0	1	4,395	SMT.1 LEG CAN
1	30,000	1,500	0.0	2	6,791	SMT.1 LEG CAN
1	30,000	1,000	0.0	3	18,969	SMT.1 LEG CAN
3	5,320	5,320	1,000	3	0.0	SMT.1 LEG CONE
1	42,000	1,000	0.0	3	5,000	SMT.1 LEG CAN
2	19,000	50,000	0.0	5	26,375	SMT.1 HORIZRACE
2	21,000	73,000	0.0	1	26,667	SMT.1 HORIZRACE
1	12,750	0,500	0.0	3	24,333	SMT.1 DIAGRACE
1	12,750	1,000	0.0	3	2,667	SMT.1 DIAGRACE
1	12,750	0,750	0.0	3	2,667	SMT.1 DIAGRACE
1	12,750	0,500	0.0	3	2,293	SMT.1 HORIZRACE
1	12,750	0,750	0.0	6	2,437	SMT.1 HORIZRACE
1	8,625	0,322	0.0	2	13,788	SMT.1 DIAGRACE
2	6,000	24,000	0.0	3	4,583	SMT.2 BRACES
2	6,000	15,500	0.0	3	7,750	SMT.2 BRACES
2	8,000	24,000	0.0	3	14,500	SMT.2 BRACES
2	6,000	15,500	0.0	1	8,000	SMT.2 BRACES
2	6,000	24,000	0.0	2	4,229	SMT.2 BRACES
2	12,000	27,000	0.0	1	5,000	SMT.2 BRACES
2	12,000	27,000	0.0	1	3,667	SMT.2 BRACES
3	0,333	136,000	0,375	1	0.0	SMT.2 FLRPLT SUPPLY
3	19,660	19,660	0,276	1	0.0	SMT.2 FLRPLT .250THK
2	6,000	15,500	0.0	1	2,917	SMT.3 BRACES
2	6,000	15,500	0.0	1	5,750	SMT.3 BRACES
2	6,000	15,500	0.0	1	8,750	SMT.3 BRACES
2	6,000	15,500	0.0	1	11,583	SMT.3 BRACES
2	8,000	24,000	0.0	1	14,500	SMT.3 BRACES
2	6,000	15,500	0.0	2	2,750	SMT.3 BRACES
2	6,000	15,500	0.0	2	5,833	SMT.3 BRACES
2	6,000	15,500	0.0	2	8,917	SMT.3 BRACES
2	18,000	50,000	0.0	1	7,917	SMT.3 BRACES
2	6,000	15,500	0.0	2	11,917	SMT.3 BRACES
2	6,000	24,000	0.0	2	14,583	SMT.3 BRACES
2	6,000	15,500	0.0	1	8,333	SMT.3 BRACES
2	6,000	15,500	0.0	1	7,167	SMT.3 BRACES
2	6,000	15,500	0.0	1	10,000	SMT.3 BRACES
2	6,000	15,500	0.0	1	13,000	SMT.3 BRACES
2	12,000	27,000	0.0	2	3,270	SMT.3 BRACES
2	6,000	24,000	0.0	2	3,270	SMT.3 BRACES
2	6,000	24,000	0.0	2	4,000	SMT.3 BRACES
2	6,000	24,000	0.0	2	4,229	SMT.3 BRACES
2	12,000	27,000	0.0	2	10,167	SMT.3 BRACES
2	12,000	27,000	0.0	1	18,250	SMT.3 BRACES
2	6,000	15,500	0.0	2	4,917	SMT.3 BRACES
2	6,000	15,500	0.0	7	10,750	SMT.3 BRACES
2	6,000	15,500	0.0	4	3,000	SMT.3 BRACES
3	1,000	1,000	0,250	4	0.0	SMT.3 BRACES
3	0,302	1,806	0,500	14	0.0	SMT.3 BRACES
3	25,270	25,270	0,276	1	0.0	SMT.3 FLRPLT .250THK
3	0,667	10,080	0,500	3	0.0	SMT.4 LEG POINT
3	3,540	3,640	0,500	3	0.0	SMT.4 LEG POINT
3	1,000	1,000	0,500	3	0.0	SMT.4 LEG POINT
3	0,667	3,208	0,750	6	0.0	SMT.4 LEG POINT
3	1,790	1,790	0,750	6	0.0	SMT.4 LEG POINT

0.500	10.340	0.125	3	0.0	SMT.4 LEG PUINT
2.210	3.583	1.250	3	0.0	SMT.4 LIFTLUG
1.740	1.740	1.250	6	0.0	SMT.4 LIFTLUG
2.360	2.360	1.000	3	0.0	SMT.4 LIFTLUG
0.738	0.738	1.000	6	0.0	SMT.4 LIFTLUG
0.667	1.104	1.000	6	0.0	SMT.4 LIFTLUG
0.875	1.208	0.750	2	0.0	SMT.4
2.375	0.154	0.0	51	0.489	SMT.5 HANDRAIL DET.
0.323	0.489	0.250	34	0.0	SMT.5 HANDRAIL DET.
0.241	0.489	0.250	15	0.0	SMT.5 HANDRAIL DET.
2.375	0.154	0.0	62	0.083	SMT.5 HANDRAIL DET.
0.333	183.000	0.250	1	0.0	SMT.5 HANDRAIL DET.
1.900	0.145	0.0	1	590.000	SMT.5 HANDRAIL DET.
4.500	0.337	0.0	1	50.500	ANTENNA MOUNT
0.375	0.375	0.250	2	0.0	ANTENNA MOUNT
0.917	1.000	0.375	15	0.0	ANTENNA MOUNT
3.000	3.000	0.375	1	40.000	BATTERY BOX TIE DOWN
3.000	3.000	0.250	4	1.333	SOLAR PANEL SUPPORT
4.000	3.000	0.375	2	8.000	SOLAR PANEL SUPPORT
4.000	3.000	0.375	2	3.667	SOLAR PANEL SUPPORT
5.000	3.000	0.375	1	11.333	SOLAR PANEL SUPPORT
5.000	3.000	0.375	3	10.417	SOLAR PANEL SUPPORT
5.000	3.000	0.375	1	9.600	SOLAR PANEL SUPPORT
5.000	3.000	0.375	1	4.375	SOLAR PANEL SUPPORT
5.000	3.000	0.375	1	5.229	SOLAR PANEL SUPPORT
5.000	3.000	0.375	7	0.583	SOLAR PANEL SUPPORT
5.000	3.000	0.375	1	1.333	SOLAR PANEL SUPPORT
5.000	3.000	0.375	2	1.833	SOLAR PANEL SUPPORT
5.000	3.000	0.375	1	2.333	SOLAR PANEL SUPPORT
8.625	0.500	0.0	2	27.000	STAIRWAY NO.1
6.625	0.500	0.0	1	12.000	STAIRWAY NO.1
5.790	0.500	0.0	3	5.667	STAIRWAY NO.1
4.500	0.337	0.0	3	7.360	STAIRWAY NO.1
0.910	2.500	0.0	25	7.360	STAIRWAY NO.1
0.333	12.000	0.250	1	0.0	STAIRWAY NO.1
8.625	0.500	0.0	2	0.750	STAIRWAY NO.1
0.167	2.450	0.250	1	0.0	STAIRWAY NO.1
0.167	0.708	0.500	50	0.0	STAIRWAY NO.1
0.625	3.218	0.0	1	7.360	STAIRWAY NO.1
0.833	1.250	0.500	2	0.0	STAIRWAY NO.1
2.500	2.500	0.250	4	3.218	STAIRWAY NO.1
0.333	25.208	0.250	2	0.0	STAIRWAY NO.1
1.900	0.145	0.0	1	131.000	STAIRWAY NO.1
1.900	0.281	0.0	1	65.000	STAIRWAY NO.1
12.000	25.000	0.0	2	37.000	STAIRWAY NO.2
0.333	35.239	0.250	2	0.0	STAIRWAY NO.2
0.333	16.360	0.250	1	0.0	STAIRWAY NO.2
0.333	23.000	0.250	1	0.0	STAIRWAY NO.2
0.906	2.500	0.0	35	7.360	STAIRWAY NO.2
2.500	2.500	0.250	14	2.500	STAIRWAY NO.2
12.000	25.000	0.0	1	16.360	STAIRWAY NO.2
1.900	0.145	0.0	1	53.000	STAIRWAY NO.2
4.010	4.010	0.0	3	3.750	STAIRWAY NO.2
4.500	0.337	0.0	3	7.360	STAIRWAY NO.2
1.900	0.145	0.0	3	5.000	STAIRWAY NO.2
12.000	25.000	0.0	2	176.000	STAIRWAY NO.3
0.333	16.333	0.250	2	0.0	STAIRWAY NO.3
12.000	25.000	0.0	2	5.000	STAIRWAY NO.3
12.000	25.000	0.0	1	3.000	STAIRWAY NO.3
0.333	5.000	0.250	2	0.0	STAIRWAY NO.3
0.906	2.500	0.0	15	7.360	STAIRWAY NO.3
2.500	2.500	0.250	8	2.500	STAIRWAY NO.3
1.900	0.145	0.0	1	128.000	STAIRWAY NO.3
10.000	15.300	0.0	2	25.500	STAIRWAY NO.4

3	0.333	25.000	0.250	2	0.0	0.0	STAIRWAY NO.4
4	0.906	2.500	0.0	24	7.720	7.720	STAIRWAY NO.4
	1.900	0.145	0.0	1	135.0	135.0	STAIRWAY NO.4
5	2.500	2.500	0.250	1	2.500	2.500	STAIRWAY NO.4
5	0.250	2.500	0.375	1	0.0	0.0	STAIRWAY NO.4
5	2.500	2.500	0.250	10	2.500	2.500	STAIRWAY NO.4
1	2.375	0.154	0.0	3	7.720	7.720	ANTI-CRIMP DEVICE
1	2.375	0.154	0.0	1	6.750	6.750	ANTI-CRIMP DEVICE
1	2.375	0.154	0.0	4	3.000	3.000	ANTI-CRIMP DEVICE
1	2.375	0.154	0.0	1	1.083	1.083	ANTI-CRIMP DEVICE
3	0.204	48.500	0.375	2	0.0	0.0	SAFETY LADDER
3	0.204	0.750	0.375	16	0.0	0.0	SAFETY LADDER
1	2.375	0.154	0.0	1	14.000	14.000	CONDUIT PIPE
6	12.000	20.700	0.0	3	1.250	1.250	NAV-AID SUPPORT BRKT



U.S. NAVY ACR 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	16.97	50.91	17641.9
30.000 O.D. X 1.000 WT	3	9.04	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	1.04	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	18.4
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	478.6
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 ACHR 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 0.105 WT	1	53.00	53.00	144.2

TOTAL WEIGHT OF PIPE MEMBERS = 6325.1



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

M 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	6593.6
W 18 X 50.00	1	7.92	7.92	395.6
W 12 X 27.00	1	16.25	16.25	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	10.78	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 M-SHAPE MEMBERS 17784.6

U.S. NAVY-ACMR PLATFORMS-SUBSTRUCTURE-27-771-01-BILL-OF-MATERIALS-L-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	1212.35
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	0.42	180.4
0.74 X 0.74 X 1.000	6	3.27	133.4
1.70 X 1.70 X 0.750	6	19.22	388.6
0.88 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	611.5
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	14	2.50	38.2
25.27 X 25.27 X 0.276	1	638.57	7196.7
19.64 X 19.66 X 0.276	1	386.52	4356.0
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	10.68	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

1/4" Chequered 3/8" Floor Plate

U.S. NAVY ACHS 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 )
0.25 X 0.49 X 0.250	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 ACRB PLATFORM 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	93.6
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	333.0

TOTAL WEIGHT OF ANGLES = 1608.1

U.S. NAVY ACHR 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 ACRB 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 27-771-001 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION TOTAL LENGTH (FEET) TOTAL WEIGHT (POUNDS)

PIPE

42,000	0.0.	X	1,000	WT	15.00	6574.43
30,000	0.0.	X	1,750	WT	15.00	7927.39
30,000	0.0.	X	1,500	WT	32.98	15070.58
30,000	0.0.	X	1,000	WT	103.52	32093.53
12,750	0.0.	X	1,000	WT	8.00	1005.00
12,750	0.0.	X	0,750	WT	22.62	2176.58
12,750	0.0.	X	0,500	WT	139.88	9158.79
8,625	0.0.	X	0,500	WT	55.50	2410.29
8,625	0.0.	X	0,322	WT	27.58	788.14
6,625	0.0.	X	0,500	WT	29.00	949.45
4,500	0.0.	X	0,337	WT	82.50	1237.31
2,375	0.0.	X	0,154	WT	87.08	318.39
1,900	0.0.	X	0,281	WT	65.00	316.12
1,900	0.0.	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 ACR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W 8 X 24.00 132.37 3176.90  
 W 6 X 19.50 250.67 3885.35

CHANNELS

C 12 X 29.00 136.69 3417.35  
 C 12 X 20.70 3.75 77.62  
 C 10 X 15.30 51.00 780.30

ANGLE

3.000 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 69.37 385.38

PLATE

1.250 THICKNESS 41.92 2139.71  
 1.000 THICKNESS 109.30 4863.16  
 0.750 THICKNESS 34.18 1046.67  
 0.500 THICKNESS 76.06 1569.18  
 0.375 THICKNESS 82.34 1260.83  
 0.250 THICKNESS 1186.36(1025F-2)\* 13199.09  
 0.125 THICKNESS 15.51 79.17

\* 1/4" Checkered Slown Plate

\*(HSS2-7#)\*

GRATING

7.360 LBS PER SQ.FT 276.10 2032.10

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TOTAL WEIGHT 132752.69 LBS



LIST OF INPUT DATA -- U.S. NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-001 BILL OF MATERIALS & WEIGHT

QTY	UNIT	DESCRIPTION	WEIGHT	QTY	UNIT	DESCRIPTION	WEIGHT
1	30,000	SMT.1 LEG CAN	1,750	3	5,000	SMT.1 LEG CAN	0.0
1	30,000	SMT.1 LEG CAN	1,000	3	9,043	SMT.1 LEG CAN	0.0
1	30,000	SMT.1 LEG CAN	1,500	3	5,000	SMT.1 LEG CAN	0.0
1	30,000	SMT.1 LEG CAN	1,000	1	6,053	SMT.1 LEG CAN	0.0
1	30,000	SMT.1 LEG CAN	1,000	2	5,657	SMT.1 LEG CAN	0.0
1	30,000	SMT.1 LEG CAN	1,500	1	4,395	SMT.1 LEG CAN	0.0
1	30,000	SMT.1 LEG CAN	1,500	2	6,791	SMT.1 LEG CAN	0.0
1	30,000	SMT.1 LEG CAN	1,000	3	18,969	SMT.1 LEG CAN	0.0
3	5,320	SMT.1 LEG CAN	5,320	3	0.0	SMT.1 LEG CAN	0.0
1	42,000	SMT.1 LEG CAN	1,000	3	5,000	SMT.1 LEG CAN	0.0
2	19,000	SMT.1 HORIZBRACE	50,000	5	26,375	SMT.1 HORIZBRACE	0.0
2	21,000	SMT.1 HORIZBRACE	73,000	1	26,667	SMT.1 HORIZBRACE	0.0
1	12,750	SMT.1 DIAGRBRACE	0.500	3	24,333	SMT.1 DIAGRBRACE	0.0
1	12,750	SMT.1 DIAGRBRACE	1,000	3	2,667	SMT.1 DIAGRBRACE	0.0
1	12,750	SMT.1 DIAGRBRACE	0.750	3	2,667	SMT.1 DIAGRBRACE	0.0
1	12,750	SMT.1 HORIZBRACE	0.500	3	22,293	SMT.1 HORIZBRACE	0.0
1	12,750	SMT.1 HORIZBRACE	0.750	6	2,437	SMT.1 HORIZBRACE	0.0
1	8,625	SMT.1 DIAGRBRACE	0.322	2	13,748	SMT.1 DIAGRBRACE	0.0
2	8,000	SMT.2 BRACFS	24,000	3	4,643	SMT.2 BRACFS	0.0
2	8,000	SMT.2 BRACFS	24,000	3	7,750	SMT.2 BRACFS	0.0
2	8,000	SMT.2 BRACFS	24,000	3	14,500	SMT.2 BRACFS	0.0
2	8,000	SMT.2 BRACFS	15,500	1	8,000	SMT.2 BRACFS	0.0
2	8,000	SMT.2 BRACFS	24,000	2	4,229	SMT.2 BRACFS	0.0
2	12,000	SMT.2 BRACFS	27,000	1	5,000	SMT.2 BRACFS	0.0
2	12,000	SMT.2 BRACFS	27,000	1	3,667	SMT.2 BRACFS	0.0
3	0,333	SMT.2 FLRPLTSUPPT.	136,000	1	0.0	SMT.2 FLRPLTSUPPT.	0.0
3	19,660	SMT.2 FLRPLT .250THK	19,660	1	0.0	SMT.2 FLRPLT .250THK	0.0
2	6,000	SMT.3 BRACFS	15,500	1	2,917	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	1	5,750	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	1	8,750	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	1	11,583	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	24,000	1	14,500	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	2	2,750	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	2	5,433	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	2	8,917	SMT.3 BRACFS	0.0
2	16,000	SMT.3 BRACFS	50,000	1	7,917	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	2	11,917	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	24,000	2	14,543	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	1	4,333	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	1	7,167	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	1	10,000	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	1	13,000	SMT.3 BRACFS	0.0
2	12,000	SMT.3 BRACFS	27,000	2	3,270	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	24,000	2	3,770	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	24,000	2	4,000	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	24,000	2	4,229	SMT.3 BRACFS	0.0
2	12,000	SMT.3 BRACFS	27,000	2	10,167	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	2	18,250	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	7	4,917	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	7	10,750	SMT.3 BRACFS	0.0
2	6,000	SMT.3 BRACFS	15,500	4	3,000	SMT.3 BRACFS	0.0
3	1,000	SMT.3 BRACFS	1,000	4	0.0	SMT.3 BRACFS	0.0
3	0,312	SMT.3 BRACFS	1,306	14	0.0	SMT.3 BRACFS	0.0
3	25,271	SMT.3 FLRPLT .250THK	25,271	1	0.0	SMT.3 FLRPLT .250THK	0.0
3	0,667	SMT.4 LEG POINT	10,080	3	0.0	SMT.4 LEG POINT	0.0
3	3,640	SMT.4 LEG POINT	3,640	3	0.0	SMT.4 LEG POINT	0.0
3	1,000	SMT.4 LEG POINT	1,000	3	0.0	SMT.4 LEG POINT	0.0
3	0,667	SMT.4 LEG POINT	3,208	6	0.0	SMT.4 LEG POINT	0.0
3	1,790	SMT.4 LEG POINT	1,790	6	0.0	SMT.4 LEG POINT	0.0



3	0.333	25.000	0.250	2	0.250	STAIRWAY NO.4
3	0.906	2.500	0.0	2	0.0	STAIRWAY NO.4
1	1.900	0.143	0.0	24	13.000	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	0.204	48.500	0.375	2	0.0	SAFETY LADDER
3	0.204	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



U.S. NAVY ACMP 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	9.04	27.25	6447.6
30.000 O.D. X 1.000 WT	1	8.05	8.05	2896.5
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	769.4
12.750 O.D. X 0.750 WT	6	2.44	14.62	1406.4
12.750 O.D. X 0.500 WT	3	24.33	73.00	4779.4
12.750 O.D. X 0.500 WT	3	22.29	66.88	4379.0
4.625 O.D. X 0.500 WT	2	27.00	54.00	2345.1
4.625 O.D. X 0.500 WT	2	0.75	1.50	65.1
4.625 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	60.7
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	1.04	1.04	4.0
2.375 O.D. X 0.154 WT	31	0.49	24.94	91.2
2.375 O.D. X 0.154 WT	62	0.08	5.15	18.4
1.900 O.D. X 0.145 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 = 144.2

U.S. NAVY ACR PLATFORM SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

M SHAPE

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH ( FT )	TOTAL LENGTH ( FT )	TOTAL WEIGHT ( POUNDS )
M 21 X 73.00	1	26.67	26.67	1946.7
M 18 X 50.00	5	26.38	131.88	6593.6
M 18 X 50.00	1	7.92	7.92	395.6
M 12 X 27.00	1	18.25	18.25	492.8
M 12 X 27.00	2	10.17	20.33	549.0
M 12 X 27.00	1	9.00	9.00	135.0
M 12 X 27.00	3	3.75	11.25	303.6
M 12 X 27.00	1	3.67	3.67	99.0
M 12 X 27.00	2	3.27	6.54	176.6
M 8 X 24.00	2	14.56	29.17	700.0
M 8 X 24.00	4	14.50	58.00	1392.0
M 8 X 24.00	3	4.58	13.75	330.0
M 8 X 24.00	4	4.23	16.92	406.0
M 8 X 24.00	2	4.00	8.00	192.0
M 8 X 24.00	2	3.27	6.54	157.0
M 6 X 15.50	1	13.00	13.00	201.5
M 6 X 15.50	2	11.82	23.61	369.4
M 6 X 15.50	1	11.58	11.58	179.3
M 6 X 15.50	7	10.75	75.25	1166.4
M 6 X 15.50	1	10.00	10.00	155.0
M 6 X 15.50	2	8.92	17.83	276.4
M 6 X 15.50	1	8.75	8.75	135.6
M 6 X 15.50	1	8.00	8.00	124.0
M 6 X 15.50	3	7.75	23.25	360.4
M 6 X 15.50	1	7.17	7.17	111.1
M 6 X 15.50	2	5.83	11.67	180.8
M 6 X 15.50	1	5.75	5.75	89.1
M 6 X 15.50	2	4.92	9.83	152.4
M 6 X 15.50	1	4.33	4.33	67.2
M 6 X 15.50	4	3.00	12.00	186.0
M 6 X 15.50	1	2.92	2.92	45.2
M 6 X 15.50	2	2.75	5.50	85.3

TOTAL WEIGHT OF M-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	586.8
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	111.5
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	8.91	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
19.64 X 19.66 X 0.276	1	386.52	4356.0
0.33 X 183.00 X 0.250	1	60.94	622.1
0.33 X 35.24 X 0.250	2	23.47	230.6
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	40.0
0.33 X 5.00 X 0.250	2	3.33	34.0
1.00 X 1.00 X 0.250	4	4.00	40.0
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
0.34 X 0.38 X 0.250	2	0.28	2.9

7196.7 = 1/4" Chebured 3/8" Floor Plate



U.S. NAVY ACNR 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 ACRS PLATFORMS SUPERSTRUCTURE 27-721-01 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	16.06	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 ACR 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 ACRB 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	1050.0
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	1.00	1.00	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

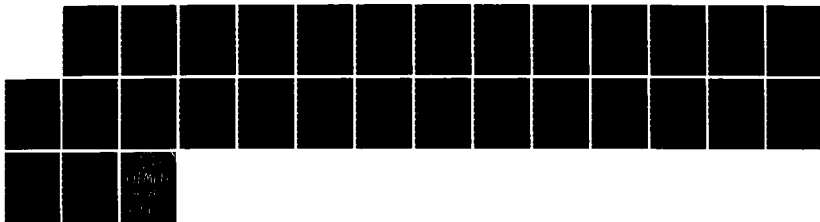
7/7

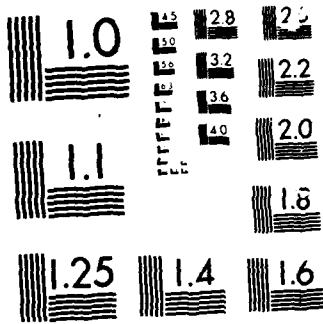
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NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963-A

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

NOMINAL DIMENSION TOTAL LENGTH (FEET) TOTAL WEIGHT (POUND)

PIPE	NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
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	
12.750 O.D. X 1.000 WT	103.52	32093.53	
12.750 O.D. X 0.750 WT	8.00	1005.00	
12.750 O.D. X 0.500 WT	22.62	2176.58	
8.625 O.D. X 0.500 WT	139.88	9158.79	
8.625 O.D. X 0.322 WT	55.50	2410.29	
4.500 O.D. X 0.500 WT	27.58	788.14	
4.500 O.D. X 0.337 WT	29.00	989.45	
2.375 O.D. X 0.154 WT	82.50	1237.31	
1.900 O.D. X 0.281 WT	87.08	318.19	
1.900 O.D. X 0.145 WT	65.00	316.12	
	1213.00	3299.81	

W SHAPE

W 21 X 73.00	26.67	1926.69
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 ACR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

H 8 X 24.00 132.37 3176.90  
 H 6 X 15.50 250.67 3845.35

CHANNELS

C 12 X 29.00 136.69 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 4863.16  
 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 (102.5672)\* 13199.09 (H1552-7#)\*  
 0.125 THICKNESS 15.51 79.17

\* 1/4" Checkered Steel Plate

GRATING

7.360 LBS PER SQ FT 276.10 2032.10

TOTAL WEIGHT 132752.69 LBS



LIST OF INPUT DATA -- U.S. NAVY ACHR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

1	48,000	1,750	0.0	3	7,500	SMT. 1	JKTCAN
1	47,500	1,500	0.0	3	24,050	SMT. 1	JKTLEG
1	45,500	0,500	0.0	3	18,440	SMT. 1	JKTLEG
1	47,500	1,500	0.0	3	7,000	SMT. 1	JKTCAN
1	45,500	0,500	0.0	3	21,110	SMT. 1	JKTLEG
1	47,500	1,500	0.0	3	7,000	SMT. 1	JKTCAN
1	45,500	0,500	0.0	3	21,740	SMT. 1	JKTLEG
1	47,000	1,250	0.0	3	6,000	SMT. 1	JKTLEG
1	16,000	0,750	0.0	6	2,458	SMT. 1	JKTHORIZBRC
1	16,000	0,625	0.0	3	26,970	SMT. 1	JKTHORIZBRC
1	20,000	1,125	0.0	3	34,150	SMT. 1	JKTDIAGRRC
1	20,000	0,750	0.0	3	2,750	SMT. 1	JKTDIAGRRC
1	20,000	0,750	0.0	3	3,417	SMT. 1	JKTDIAGRRC
1	20,000	0,625	0.0	3	43,640	SMT. 1	JKTDIAGRRC
1	12,750	0,375	0.0	3	33,770	SMT. 1	JKTHORIZBRC
1	12,750	0,375	0.0	3	41,350	SMT. 1	JKTHORIZBRC
1	20,000	0,750	0.0	3	2,667	SMT. 1	JKTDIAGRRC
1	20,000	0,625	0.0	3	57,760	SMT. 1	JKTDIAGRRC
1	14,000	0,500	0.0	3	49,320	SMT. 1	JKTHORIZBRC
1	16,000	0,750	0.0	6	3,043	SMT. 1	JKTDIAGRRC
1	16,000	0,750	0.0	4	3,250	SMT. 1	JKTDIAGRRC
1	16,000	0,625	0.0	6	35,450	SMT. 1	JKTDIAGRRC
1	20,000	0,625	0.0	6	24,130	SMT. 1	JKTHORIZBRC
1	20,000	0,625	0.0	3	7,000	SMT. 1	JKTHORIZBRC
3	1,250	6,280	0.750	6	0.0	SMT. 1	JKTHORIZBRC
1	2,875	0,375	0.0	12	0,500	SMT. 3	(+)12=0
3	0,250	4,500	0,250	1	0.0	SMT. 3	(+)12=0
1	10,750	0,365	0.0	3	14,833	SMT. 3	(+)12=0
1	6,625	0,280	0.0	1	54,750	SMT. 3	(+)12=0
1	8,625	0,500	0.0	1	18,420	SMT. 3	(+)12=0
4	5,000	9,167	0.0	1	7,360	SMT. 3	(+)12=0
4	4,000	17,000	0.0	1	7,360	SMT. 3	(+)12=0
4	9,080	9,080	0.0	1	7,360	SMT. 3	(+)12=0
1	10,750	0,365	0.0	3	17,750	SMT. 4	(-)13=0
1	10,750	0,365	0.0	3	21,583	SMT. 4	(-)39=0
1	10,750	0,365	0.0	3	25,333	SMT. 5	(-)65=0
1	14,000	0,375	0.0	3	28,500	SMT. 5	(-)93=0
3	1,552	2,583	1,375	6	0.0	SMTM PLATES	
3	1,552	2,583	1,250	24	0.0	SMTM PLATES	
3	1,552	2,583	1,125	6	0.0	SMTM PLATES	
3	2,000	2,460	0,625	12	0.0	PILE GUIDES	
3	3,544	2,460	0,625	48	0.0	PILE GUIDES	
3	3,544	3,544	0,625	3	0.0	FLLOODING SYSTEM	
3	0,500	1,500	0,500	6	0.0	FLLOODING SYSTEM	
5	4,000	6,000	0,375	6	4,000	FLLOODING SYSTEM	
1	10,750	0,365	0.0	3	0,500	FLLOODING SYSTEM	
3	0,437	0,437	0,250	3	0.0	FLLOODING SYSTEM	
1	2,375	0,154	0.0	3	103,500	FLLOODING SYSTEM	
1	3,500	0,216	0.0	11	1,000	FLLOODING SYSTEM	
1	3,500	0,216	0.0	11	1,250	FLLOODING SYSTEM	
3	1,250	1,250	0,375	2	0.0	FLLOODING SYSTEM	
3	1,000	1,000	0,375	1	0.0	FLLOODING 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	6	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 CABLES	



U.S. NAVY ACHR PLATFORM 93 FT. HLW 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	2157.4
10.750 O.D. X 0.365 WT	3	14.83	44.50	1403.2
10.750 O.D. X 0.365 WT	3	0.50	1.50	60.6
6.625 O.D. X 0.500 WT	1	16.42	16.42	800.0
6.625 O.D. X 0.280 WT	1	54.75	54.75	1039.4
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
3.375 O.D. X 0.150 WT	3	103.50	310.50	1135.3

TOTAL WEIGHT OF PIPE MEMBERS = 327758.2

U.S. NAVY ACR PLATFORM 03 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	3743.0
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	1444.3
1.25 X 6.28 X 0.750	6	47.10	1442.4
3.54 X 1.54 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
0.40 X 0.44 X 0.250	3	0.57	5.6

TOTAL WEIGHT OF PLATES = 25000.2

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

GRATING

NOMINAL DIMENSION ( FT X FT )	QUANTITY	UNITY WEIGHT ( LBS/SQ.FT )	TOTAL AREA ( SQ. FT. )	TOTAL WEIGHT ( POUNDS )
9.00 X 9.00	1	7.36	82.45	406.8
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 ACME PLATFORM 93 FT MLW JACKET 27-771-001 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	294.6

TOTAL WEIGHT OF ANGLES = 294.6

TOTAL WEIGHT = 354497.6

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	183.90	40254.69
24.000 O.D. X 0.875 WT	21.00	4542.47
20.000 O.D. X 1.125 WT	110.45	25979.93
20.000 O.D. X 0.750 WT	26.50	4090.24
20.000 O.D. X 0.625 WT	449.10	58136.29
15.000 O.D. X 0.750 WT	52.75	6449.16
14.000 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 0.240 WT	54.75	1039.82
3.500 O.D. X 0.216 WT	24.75	187.64
2.875 O.D. X 0.375 WT	61.00	60.13
2.375 O.D. X 0.154 WT	310.50	1135.31

BILL OF MATERIALS SUMMARY  
 U.S. NAVY ACB PLATFORM 93 BY M4 JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE	4.000 X 0.000 X 0.375	24.00	294.77
PLATE			
2.000 THICKNESS	45.64		3743.80
1.500 THICKNESS	17.69		1083.05
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		1442.48
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 1444.61

TOTAL WEIGHT 354497.75 LBS



LIST OF INPUT DATA \*\* U.S. NAVY ACHR PLATFORMB 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	0.537	0.0	3	4.083	BOAT LANDING
1	4.500	0.537	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	8.625	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	0.261	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	0.543	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



U.S. NAVY ACHR 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 0.0. X 0.843 WT	2	15.00	30.00	3219.1
12.750 0.0. X 0.843 WT	2	4.00	8.00	858.4
12.750 0.0. X 0.843 WT	2	2.00	4.00	429.2
12.750 0.0. X 0.843 WT	2	1.92	3.83	411.4
12.750 0.0. X 0.843 WT	2	1.00	2.00	214.6
10.750 0.0. X 0.500 WT	2	1.33	2.67	146.1
8.625 0.0. X 0.500 WT	4	21.75	87.00	3778.3
8.625 0.0. X 0.500 WT	1	10.92	10.92	474.1
8.625 0.0. X 0.500 WT	6	4.33	26.00	1129.1
8.625 0.0. X 0.500 WT	4	3.50	14.00	608.0
6.625 0.0. X 0.432 WT	4	13.36	53.44	1528.4
6.625 0.0. X 0.432 WT	2	12.83	25.67	734.1
6.625 0.0. X 0.432 WT	4	10.64	41.76	1194.3
6.625 0.0. X 0.432 WT	1	9.75	9.75	278.9
6.625 0.0. X 0.432 WT	3	8.58	25.75	736.5
6.625 0.0. X 0.432 WT	4	5.67	22.67	648.3
6.625 0.0. X 0.432 WT	6	5.17	31.00	886.7
6.625 0.0. X 0.432 WT	14	3.83	53.66	1534.7
6.625 0.0. X 0.432 WT	1	3.50	3.50	100.1
6.625 0.0. X 0.432 WT	2	2.67	5.33	152.6
4.500 0.0. X 0.337 WT	5	10.25	51.25	768.6
4.500 0.0. X 0.337 WT	3	4.08	12.25	183.7
4.500 0.0. X 0.337 WT	2	4.00	8.00	120.0
2.375 0.0. X 0.218 WT	10	0.53	3.33	16.7
1.900 0.0. X 0.241 WT	1	65.00	65.00	316.1
1.900 0.0. X 0.145 WT	1	75.00	75.00	204.0

TOTAL WEIGHT OF PIPE MEMBERS = 20671.9

U.S. NAVY ACHR 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	85.6
0.58 X 0.75 X 0.500	16	7.00	142.0

TOTAL WEIGHT OF PLATES = 2187.4

U.S. NAVY ACHR 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 ACMP 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 HILL 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 ACMR PLATFORMS JACKET BOAT LANDING 27-771-001 BILL OF MATERIALS

NOMINAL 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	7794.48
4.500 O.D. X 0.337 WT	71.50	1072.31
2.375 O.D. X 0.214 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 ACRH PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE

0.750 THICKNESS	64.94	1988.96
0.500 THICKNESS	9.72	198.45

GRATING

7.360 LBS PER SQ FT	116.17	855.04
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TOTAL WEIGHT 23909.20 LBS

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

1	14,000	0.750	0.0	2	1.917	BARGE FENDER
1	14,000	0.750	0.0	2	21.458	BARGE FENDER
1	14,000	0.750	0.0	2	4.000	BARGE FENDER
1	14,000	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	3,333	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



U.S. NAVY ACHR 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 )
16,000 O.D. X 0.750 WT	2	21.46	42.92	5935.4
16,000 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 ACHR 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 9.00 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
1.50 X 1.38 X 0.750	4	7.62	233.3
1.33 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 = 13025.5

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  
 18,000 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 ACHR PLATE RM 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	0,425	0.0	6	0,000	PILE SPLICE POINT
1	37,000	0,625	0.0	6	0,000	PILE SPLICE POINT





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	36217.4
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	115453.4
42,000 O.D. X 2,000 WT	3	35.00	105.00	89797.1
39,750 O.D. X 2,000 WT	3	10.00	30.00	25656.3
37,000 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 = 1066323.0

TOTAL WEIGHT = 1066323.0

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)
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PIPE

42.000 O.D. X 2.500 WT	6.00	633.89
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

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TOTAL WEIGHT 1064323.00 LBS

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