

**STRUCTURAL ASSESSMENT
BOOK 3 OF 4**

**ULTIMATE STRENGTH ANALYSIS
OUTPUT**

SHELL OIL COMPANY
WEST DELTA 103 "A"
8-PILE, 12-WELL PLATFORM
223' WATER DEPTH

FOR
U.S. MINERALS MANAGEMENT SERVICE

PERFORMED BY:



W. H. LINDER & ASSOCIATES, INC.
3330 WEST ESPLANADE AVENUE
METAIRIE, LOUISIANA 70002
(504) 835-2577

JULY, 1994

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DESIGN LEVEL ANALYSIS OUTPUT	BOOK #2
ULTIMATE STRENGTH ANALYSIS OUTPUT	BOOK #3
PUSHOVER STRENGTH ANALYSIS OUTPUT.....	BOOK #4

PERFORMED BY:



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8.2 ULTIMATE STRENGTH ANALYSIS OUTPUT

8.2.1 WD103US.OT1

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*****
*           STRUCAD*3D           *
*   STRUCTURAL SOFTWARE INC.   *
*       HOUSTON TEXAS         *
*   VERSION 3.50-E MAR 1994   *
*****

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Friday 7/22/94 13:20:17

*** Program Options ***

Soil Structure Interaction

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Shear Deformation Included
AISC-ASD 9th Edition + API-WSD 20th Edition Pipe Code Check
No. Of Segments For Prismatic Members      1
No. Of Segments/Section For Non-Prismatic Members  1

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Load

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No. Of Basic Load Cases      5
No. Of Comb. Load Cases      3

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Print Options

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Input Echo
Joint Deflections
Unity Check Range
Member Stress At Maximum Unity Check
Beam Combined And Shear Unity Check
Element Stress At Maximum Unity Check

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Joint Equilibrium Check Edit Values:

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Forces (Kips)      .100
Moments (In-Kips)  1.000

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Solution Technique:

Make Combined Load Cases Basic

Member Force File Type:

Long (Normal)

NOTES:

EL +57.38 SKID BM JNTS 107 THRU 110
 EL +55 UPPER DECK JNTS 81 THRU 106
 EL +49 LEG JNTS 73 THRU 80
 EL +41 LOWER DECK JNTS 18 THRU 70
 EL +19.5 & +33.875 FRAME LEG INTERMEDIATE JNTS 1 THRU 17
 EL +15 JACKET TO DECK TRUSS FRAME LEG JNTS 811 THRU 881
 EL +12 JACKET JNT (NONE) PILE JNTS 712 THRU 782 RISER 800
 EL +9'4 5/8 611 THRU 681 " " 612 " 682 " 699-700
 EL -9'8" 501,502,503,504 ROW 2&3 ONLY
 EL -26'6" 511 THRU 581 PILE JNTS 512 " 582 " 599-600
 EL -46' 505,506,507,508 ROW 2&3 ONLY
 EL -68' 411 THRU 481 PILE JNTS 412 " 482 " 499-500
 EL -91'3" 301,302,303,304 ROW 2&3 ONLY
 EL -114'6" 311 THRU 381 PILE JNTS 312 " 382 " 399-400
 EL -136' 205,206,207,208 ROW 2&3 ONLY
 EL -140'3" 201,202,203,204 ROW 2&3 ONLY
 EL -166' 211 THRU 281 PILE JNTS 212 " 282 " 299-300
 EL -188' 101,102,103,104 ROW 2&3 ONLY
 EL -223' 111 THRU 181 PILE JNTS 112 " 182 " 199-200
 EL -386' LOWER TIP OF RISER
 EL -493' LOWER TIP OF PILES

BASIC LOADS:

LC 1 : DEAD LD + BOAT LND + BUMPERS + WALK WAY (EL+10')
 LC 2 : DECK & EQUIP LD @ JOINTS

WIND, WAVE & CURRENT

LC 3 : WIND 55 KT, WAVE 49.3 FT/11.3 SEC, CURR 1.2 KT @ 45.0 DEGR
 LC 4 : WIND 55 KT, WAVE 49.3 FT/11.3 SEC, CURR 1.2 KT @ 67.5 DEGR
 LC 5 : WIND 55 KT, WAVE 49.3 FT/11.3 SEC, CURR 1.2 KT @ 90.0 DEGR

COMBINED LDS:

LC 6 : LC 1*100% + LC 2*100% + LC3*100% (H=49.3', 45.0 DGR)
 LC 7 : LC 1*100% + LC 2*100% + LC4*100% (H=49.3', 67.5 DGR)
 LC 8 : LC 1*100% + LC 2*100% + LC5*100% (H=49.3', 90.0 DGR)

*** Units Definition ***

* Description *	* Input Units *	* Output Units *
A. Joint Information		
1. Joint Coordinates	Ft	Ft
2. Joint Settlements	In	In
Joint Translations		
B. Structure Description		
3. All Lengths, Heights & Depths ..	Ft	Ft
Joint Thickness, Area Centroids		
4. Projected Areas	Ft ²	Ft ²
5. Volumes	Ft ³	Ft ³
C. Element Properties		
6. Element Offsets	In	In
7. Element Dimensions	In	In
Rebar Area and Spacing		
Marine Growth Thickness		
8. Element Cross Section Areas	In ²	In ²
9. Element Moment of Inertia	In ⁴	In ⁴
D. Material Properties & Stresses		
10. Steel E & G Modulus	1000KSI	1000KSI
11. All Stresses	KSI	KSI
Steel And Concrete Strength		
12. Material Density	PCF	PCF
E. Spring Constants		
13. Rotational Spring Constant	In-Kips/Rad	In-Kips/Rad
14. Translational Spring Constant ..	Kips/In	Kips/In
F. Load Data		
15. Concentrated Loads & Weights ...	Kips	Kips
16. Uniform Loads & Weights	Kips/Ft	Kips/Ft
17. Concentrated Moments	In-Kips	In-Kips
18. Uniform Moments	In-Kips/Ft	In-Kips/Ft
19. Weight Moment of Inertia	Kips-Ft ²	Kips-Ft ²
20. Load Distances	Ft	Ft
21. Pressures	PSF	PSF
22. Wind & Current Velocity	Knots	Knots
23. Wave Velocity	Ft/Sec	Ft/Sec
24. Wave Acceleration	Ft/Sec ²	Ft/Sec ²
25. Kinematic Viscosity	Ft ² /Sec	Ft ² /Sec
26. Response Curve Acceleration	G's	G's
27. Response Curve Velocities	In/Sec	In/Sec
28. Response Curve Displacements ...	In	In
G. Soil Data And Pile Forces		
29. Soil Friction, Soil Force	Kips/In	Kips/In
30. Soil Moments	In-Kips/In	In-Kips/In
31. Undrained Shear Strength	KSF	KSF

*** Echo Of Input Data - PREP ***

1 1 2 2 3 3 4 4 5 5 6 6 7 7 8
Line 1...5...0...5...0...5...0...5...0...5...0...5...0...5...0

1 SHELL OIL CO. WEST DELTA BLK 103A 223 FT WATER 8-BATTERED LEG K-BRACED

2 NOTES:

- 3 EL +57.38 SKID BM JNTS 107 THRU 110
4 EL +55 UPPER DECK JNTS 81 THRU 106
5 EL +49 LEG JNTS 73 THRU 80
6 EL +41 LOWER DECK JNTS 18 THRU 70
7 EL +19.5 8 +33.875 FRAME LEG INTERMEDIATE JNTS 1 THRU 17
8 EL +15 JACKET TO DECK TRUSS FRAME LEG JNTS 811 THRU 881
9 EL +12 JACKET JMT (NONE) PILE JNTS 712 THRU 782 RISER 800
10 EL +9'4 5/8 611 THRU 681 " " 612 " 682 " 699-700
11 EL -9'8" 501,502,503,504 ROW 283 ONLY
12 EL -26'6" 511 THRU 581 PILE JNTS 512 " 582 " 599-600
13 EL -46' 505,506,507,508 ROW 283 ONLY
14 EL -68' 411 THRU 481 PILE JNTS 412 " 482 " 499-500
15 EL -91'3" 301,302,303,304 ROW 283 ONLY
16 EL -114'6" 311 THRU 381 PILE JNTS 312 " 382 " 399-400
17 EL -136' 205,206,207,208 ROW 283 ONLY
18 EL -140'3" 201,202,203,204 ROW 283 ONLY
19 EL -166' 211 THRU 281 PILE JNTS 212 " 282 " 299-300
20 EL -188' 101,102,103,104 ROW 283 ONLY
21 EL -223' 111 THRU 181 PILE JNTS 112 " 182 " 199-200
22 EL -386' LOWER TIP OF RISER
23 EL -493' LOWER TIP OF PILES

24 BASIC LOADS:

- 25 LC 1 : DEAD LD + BOAT LND + BUMPERS + WALK WAY (EL+10')
26 LC 2 : DECK & EQUIP LD @ JOINTS

27 WIND, WAVE & CURRENT

- 28 LC 3 : WIND 55 KT, WAVE 49.3 FT/11.3 SEC, CURR 1.2 KT @ 45.0 DEGR
29 LC 4 : WIND 55 KT, WAVE 49.3 FT/11.3 SEC, CURR 1.2 KT @ 67.5 DEGR
30 LC 5 : WIND 55 KT, WAVE 49.3 FT/11.3 SEC, CURR 1.2 KT @ 90.0 DEGR

31 COMBINED LDS:

- 32 LC 6 : LC 1*100% + LC 2*100% + LC3*100% (H=49.3', 45.0 DGR)
33 LC 7 : LC 1*100% + LC 2*100% + LC4*100% (H=49.3', 67.5 DGR)
34 LC 8 : LC 1*100% + LC 2*100% + LC5*100% (H=49.3', 90.0 DGR)

35 OPTIONS EN SI SDPA20 1 1 5 3 PIPPIPIPIPI

36 LDOPI SF NF 64.20 490.00 -223.00 223.00

37 LDCASE 6 7 8

38 UNITI

39 AMOD 6 1.33 7 1.33 8 1.33

Table with columns for GRUP (165, 185, 203, 205, 243, 245, 263, 265, J08, J11, J12) and values for 0.500, 0.375, 0.500, 0.687, 29.0011.6036.00, 1.001.00, 0.50, 490.00.

*** Echo Of Input Data - PREP ***

Line 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8
 1...5...0...5...0...5...0...5...0...5...0...5...0...5...0

51	GRUP J16	16.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
52	GRUP J20	20.000	0.812	29.0011.6036.00	1	1.001.00	0.50	490.00
53	GRUP J24	24.000	0.687	29.0011.6036.00	1	1.001.00	0.50	490.00
54	GRUP J25	24.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
55	GRUP K08	8.625	0.322	29.0011.6036.00	1	1.001.00	0.50	490.00
56	GRUP K11	12.750	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
57	GRUP K12	12.750	0.687	29.0011.6036.00	1	1.001.00	0.50	490.00
58	GRUP K13	12.750	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
59	GRUP K18	18.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
60	GRUP K20	20.000	0.812	29.0011.6036.00	1	1.001.00	0.50	490.00
61	GRUP K24	24.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
62	GRUP L20	20.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
63	GRUP L24	24.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
64	GRUP L25	24.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
65	GRUP LG2	46.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.005.00	
66	GRUP LG2	46.000	0.500	29.0011.6036.00	1	1.001.00	0.50F490.00	
67	GRUP LG2	46.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.005.00	
68	GRUP LG3	46.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.005.00	
69	GRUP LG3	46.000	0.500	29.0011.6036.00	1	1.001.00	0.50F490.00	
70	GRUP LG4	46.000	0.500	29.0011.6036.00	1	1.001.00	0.50F490.00	
71	GRUP LG4	46.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.005.00	
72	GRUP LG5	46.000	0.500	29.0011.6036.00	1	1.001.00	0.50F490.00	
73	GRUP LG7	46.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.00	
74	GRUP H08	8.625	0.322	29.0011.6036.00	1	1.001.00	0.50	490.00
75	GRUP H09	10.750	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
76	GRUP H10	10.750	0.365	29.0011.6036.00	1	1.001.00	0.50	490.00
77	GRUP H11	12.750	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
78	GRUP H12	12.750	0.687	29.0011.6036.00	1	1.001.00	0.50	490.00
79	GRUP H14	14.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
80	GRUP H18	18.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
81	GRUP H20	20.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
82	GRUP H21	20.000	0.812	29.0011.6036.00	1	1.001.00	0.50	490.00
83	GRUP N16	16.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
84	GRUP N20	20.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
85	GRUP P08	8.625	0.322	29.0011.6036.00	1	1.001.00	0.50	490.00
86	GRUP P10	10.750	0.365	29.0011.6036.00	1	1.001.00	0.50	490.00
87	GRUP P12	12.750	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
88	GRUP P14	14.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
89	GRUP P16	16.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
90	GRUP P18	18.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
91	GRUP P21	20.000	0.812	29.0011.6036.00	1	1.001.00	0.50	490.00
92	GRUP PL2	42.000	1.750	29.0011.6036.00	1	1.001.00	0.50F490.0027.3	
93	GRUP PL2	42.000	1.500	29.0011.6036.00	1	1.001.00	0.50F490.0020.0	
94	GRUP PL2	42.000	1.250	29.0011.6036.00	1	1.001.00	0.50F490.00	
95	GRUP PL3	42.000	1.250	29.0011.6036.00	1	1.001.00	0.50F490.004.80	
96	GRUP PL3	42.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.00	
97	GRUP PL4	42.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.00	
98	GRUP PL5	42.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.00	
99	GRUP PL6	42.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.00	
100	GRUP PL7	42.000	1.000	29.0011.6036.00	1	1.001.00	0.50F490.00	

*** Echo Of Input Data - PREP ***

Line 1...5...0...5...0...5...0...5...0...5...0...5...0...5...0...5...0

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
101 GRUP PL8	42.000	1.000	29.0011.6036.00	1	1.001.00						0.50F490.00				
102 GRUP SIM	12.750	0.687	29.0011.6036.00	1	1.001.00						0.50 490.00				
103 GRUP W.B	42.000	1.000	29.0011.6036.00	1	1.001.00						0.50F490.00				
104 GRUP CM2	29.500	2.000	29.0011.6036.00	1	1.001.00						0.50 490.00				
105 GRUP CM1	33.000	16.49	29.0011.6036.00	1	1.001.00						0.50 490.00				
106 GRUP SKD	12.750	0.500	29.0011.6036.00	9	1.001.00						0.50F490.00				
107 GRUP W76 W24X76			29.0011.6036.00	9	1.001.00						F490.00				
108 GRUP WFO W24X104			29.0011.6036.00	9	1.001.00						F490.00				
109 GRUP WF2 W24X117			29.0011.6036.00	9	1.001.00						F490.00				
110 GRUP WF3 W24X131			29.0011.6036.00	9	1.001.00						F490.00				
111 GRUP WF4 W24X146			29.0011.6036.00	9	1.001.00						F490.00				
112 GRUP WF6 W24X162			29.0011.6036.00	9	1.001.00						F490.00				
113 GRUP Y24	30.000	1.750	29.0011.6036.00	9	1.001.00						1.00F490.00				
114 GRUP Z24	32.000	2.875	29.0011.6036.00	9	1.001.00						1.00F490.00				
115 GRUP Y25	24.000	0.625	29.0011.6036.00	9	1.001.00						1.00F490.00				
116 GRUP Y32	35.000	1.125	29.0011.6036.00	9	1.001.00						1.00F490.00				
117 GRUP Y33	38.000	0.650	29.0011.6036.00	9	1.001.00						1.00F490.00				
118 GRUP Y76	30.000	1.750	29.0011.6036.00	9	1.001.00						1.00F490.00				
119 GRUP D85	8.000	.625	29.0011.6036.00	9	1.001.00						0.50M490.00				
120 GRUP D83	8.000	.328	29.0011.6036.00	9	1.001.00						0.50M490.00				
121 GRUP D10	10.750	.365	29.0011.6036.00	9	1.001.00						0.50M490.00				
122 GRUP D11	10.750	.500	29.0011.6036.00	9	1.001.00						0.50M490.00				
123 GRUP D12	12.750	0.500	29.0011.6036.00	9	1.001.00						0.50M490.00				
124 GRUP D16	16.000	0.500	29.0011.6036.00	9	1.001.00						0.50M490.00				
125 GRUP D17	16.000	0.656	29.0011.6036.00	9	1.001.00						0.50M490.00				
126 GRUP D24	24.000	0.750	29.0011.6036.00	9	1.001.00						0.50M490.00				
127 GRUP TL1	42.000	1.000	29.0011.6036.00D1	1	1.001.00						0.50M490.00 0.5				
128 GRUP TL1	36.000	1.000	29.0011.6036.00D1	1	1.001.00						0.50M490.00 0.5				
129 GRUP TL2	36.000	1.000	29.0011.6036.00D1	1	1.001.00						0.50M490.00				
130 GRUP TL3	36.000	1.250	29.0011.6036.00D1	1	1.001.00						0.50M490.00				
131 MEMBER1 511 621 165															
132 MEMBER OFFSETS				14.000							-14.00				
133 MEMBER1 521 631 165															
134 MEMBER OFFSETS				14.000							-14.00				
135 MEMBER1 531 641 165															
136 MEMBER OFFSETS				14.000							-14.00				
137 MEMBER1 561 651 165															
138 MEMBER OFFSETS				-14.00							14.000				
139 MEMBER1 571 661 165															
140 MEMBER OFFSETS				-14.00							14.000				
141 MEMBER1 581 671 165															
142 MEMBER OFFSETS				-14.00							14.000				
143 MEMBER1 321 431 185															
144 MEMBER OFFSETS				14.000							-14.00				
145 MEMBER1 451 561 185															
146 MEMBER OFFSETS				14.000							-14.00				
147 MEMBER1 461 571 185															
148 MEMBER OFFSETS				14.000							-14.00				
149 MEMBER1 471 581 185															
150 MEMBER OFFSETS				14.000							-14.00				

*** Echo Of Input Data - PREP ***

Line	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
1...5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0

201	MEMBER1	145	211	243											
202	MEMBER OFFSETS										14.000				
203	MEMBER1	231	204	243											
204	MEMBER OFFSETS						14.000								
205	MEMBER1	148	241	243											
206	MEMBER OFFSETS										14.000				
207	MEMBER1	148	281	243											
208	MEMBER OFFSETS											-14.00			
209	MEMBER1	251	361	243											
210	MEMBER OFFSETS					14.000					-14.00				
211	MEMBER1	304	431	243											
212	MEMBER OFFSETS										14.000				
213	MEMBER1	221	311	243											
214	MEMBER OFFSETS						-14.00				14.000				
215	MEMBER1	311	451	243											
216	MEMBER OFFSETS						14.000					-14.00			
217	MEMBER1	321	301	243											
218	MEMBER OFFSETS						14.000								
219	MEMBER1	241	331	243											
220	MEMBER OFFSETS						-14.00				14.000				
221	MEMBER1	271	381	243											
222	MEMBER OFFSETS						14.000				-14.00				
223	MEMBER1	381	441	243											
224	MEMBER OFFSETS						-14.00				14.000				
225	MEMBER	201	343	245											
226	MEMBER	202	201	245											
227	MEMBER	203	204	245											
228	MEMBER	301	343	245											
229	MEMBER1	301	421	245											
230	MEMBER OFFSETS										14.000				
231	MEMBER	302	301	245											
232	MEMBER	303	304	245											
233	MEMBER1	331	304	245											
234	MEMBER OFFSETS						14.000								
235	MEMBER1	304	471	245											
236	MEMBER OFFSETS											-14.00			
237	MEMBER1	361	301	245											
238	MEMBER OFFSETS						-14.00								
239	MEMBER1	131	241	263											
240	MEMBER OFFSETS						14.000				-14.00				
241	MEMBER1	161	251	263											
242	MEMBER OFFSETS						-14.00				14.000				
243	MEMBER1	111	221	265											
244	MEMBER OFFSETS						14.000				-14.00				
245	MEMBER1	121	231	265											
246	MEMBER OFFSETS						14.000				-14.00				
247	MEMBER1	171	261	265											
248	MEMBER OFFSETS						-14.00				14.000				
249	MEMBER1	181	271	265											
250	MEMBER OFFSETS						-14.00				14.000				

*** Echo Of Input Data - PREP ***

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
Line	1...5	...0	...5	...0	...5	...0	...5	...0	...5	...0	...5	...0	...5	...0	...5

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251 MEMBER1 271 204 265
252 MEMBER OFFSETS                -14.00
253 MEMBER1 204 331 265
254 MEMBER OFFSETS                14.000
255 MEMBER1 221 201 265
256 MEMBER OFFSETS                14.000
257 MEMBER1 201 361 265
258 MEMBER OFFSETS                -14.00
259 MEMBER1 241 381 265
260 MEMBER OFFSETS                14.000  -14.00
261 MEMBER1 251 311 265
262 MEMBER OFFSETS                -14.00  14.000
263 MEMBER 200 300 CN1
264 MEMBER 300 500 CN2
265 MEMBER 500 700 CN2
266 MEMBER 700 900 CN2
267 MEMBER 123 155 JO8
268 MEMBER 124 146 JO8
269 MEMBER 144 146 JO8
270 MEMBER 146 164 JO8
271 MEMBER 155 143 JO8
272 MEMBER 155 163 JO8
273 MEMBER 123 101 J11
274 MEMBER 124 102 J11
275 MEMBER 163 103 J11
276 MEMBER 164 104 J11
277 MEMBER 123 124 J12
278 MEMBER 163 164 J12
279 MEMBER 121 123 J16
280 MEMBER 123 125 J16
281 MEMBER 124 131 J16
282 MEMBER 125 124 J16
283 MEMBER 161 163 J16
284 MEMBER 163 165 J16
285 MEMBER 164 171 J16
286 MEMBER 165 164 J16
287 MEMBER 111 115 J20
288 MEMBER 115 121 J20
289 MEMBER 121 125 J20
290 MEMBER 123 143 J20
291 MEMBER 124 144 J20
292 MEMBER 125 131 J20
293 MEMBER 131 135 J20
294 MEMBER 135 141 J20
295 MEMBER 143 163 J20
296 MEMBER 144 164 J20
297 MEMBER 151 159 J20
298 MEMBER 159 161 J20
299 MEMBER 161 165 J20
300 MEMBER 165 171 J20

```

*** Echo Of Input Data - PREP ***

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
Line	1...	5...	0...	5...	0...	5...	0...	5...	0...	5...	0...	5...	0...	5...	0

- 301 MEMBER 171 175 J20
- 302 MEMBER 175 181 J20
- 303 MEMBER 111 145 J24
- 304 MEMBER 121 155 J24
- 305 MEMBER 131 146 J24
- 306 MEMBER 141 148 J24
- 307 MEMBER 145 151 J24
- 308 MEMBER 146 171 J24
- 309 MEMBER 148 181 J24
- 310 MEMBER 155 161 J24
- 311 MEMBER 121 145 J25
- 312 MEMBER 145 161 J25
- 313 MEMBER 148 131 J25
- 314 MEMBER 171 148 J25
- 315 MEMBER 223 254 K08
- 316 MEMBER 224 255 K08
- 317 MEMBER 244 255 K08
- 318 MEMBER 254 243 K08
- 319 MEMBER 254 263 K08
- 320 MEMBER 255 264 K08
- 321 MEMBER 221 225 K11
- 322 MEMBER 225 231 K11
- 323 MEMBER 261 265 K11
- 324 MEMBER 265 271 K11
- 325 MEMBER 223 224 K12
- 326 MEMBER 263 264 K12

- 327 MEMBER 221 223 K13
- 328 MEMBER 223 205 K13
- 329 MEMBER 223 225 K13
- 330 MEMBER 224 206 K13
- 331 MEMBER 224 231 K13
- 332 MEMBER 225 224 K13
- 333 MEMBER 261 263 K13
- 334 MEMBER 263 207 K13
- 335 MEMBER 263 265 K13
- 336 MEMBER 264 208 K13
- 337 MEMBER 264 271 K13
- 338 MEMBER 265 264 K13
- 339 MEMBER 211 221 K18
- 340 MEMBER 271 281 K18
- 341 MEMBER 223 243 K20
- 342 MEMBER 224 244 K20
- 343 MEMBER 243 263 K20
- 344 MEMBER 244 264 K20
- 345 MEMBER 211 251 K24
- 346 MEMBER 221 251 K24
- 347 MEMBER 221 253 K24
- 348 MEMBER 231 255 K24
- 349 MEMBER 241 271 K24
- 350 MEMBER 241 281 K24

* * * Echo Of Input Data - PREP * * *

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
Line	1...5	...0	...5	...0	...5	...0	...5	...0	...5	...0	...5	...0	...5	...0	...5

- 351 MEMBER 253 254 K24
- 352 MEMBER 254 261 K24
- 353 MEMBER 255 271 K24
- 354 MEMBER 331 346 L20
- 355 MEMBER 346 371 L20
- 356 MEMBER 311 361 L24
- 357 MEMBER 331 381 L24
- 358 MEMBER 321 343 L25
- 359 MEMBER 343 361 L25
- 360 MEMBER 111 211 LG2
- 361 MEMBER 141 241 LG2
- 362 MEMBER 151 251 LG2
- 363 MEMBER 181 281 LG2
- 364 MEMBER 211 311 LG2
- 365 MEMBER 281 381 LG2
- 366 MEMBER 311 411 LG2
- 367 MEMBER 361 461 LG2
- 368 MEMBER 371 471 LG2
- 369 MEMBER 381 481 LG2
- 370 MEMBER 411 511 LG2
- 371 MEMBER 481 581 LG2
- 372 MEMBER 511 611 LG2
- 373 MEMBER 581 681 LG2
- 374 MEMBER 121 101 LG3
- 375 MEMBER 131 102 LG3
- 376 MEMBER 161 103 LG3
- 377 MEMBER 171 104 LG3

- 378 MEMBER 241 341 LG3
- 379 MEMBER 251 351 LG3
- 380 MEMBER 261 207 LG3
- 381 MEMBER 271 208 LG3
- 382 MEMBER 321 302 LG3
- 383 MEMBER 331 303 LG3
- 384 MEMBER 421 507 LG3
- 385 MEMBER 431 506 LG3
- 386 MEMBER 441 541 LG3
- 387 MEMBER 451 551 LG3
- 388 MEMBER 461 508 LG3
- 389 MEMBER 471 505 LG3
- 390 MEMBER 521 503 LG3
- 391 MEMBER 531 502 LG3
- 392 MEMBER 561 504 LG3
- 393 MEMBER 571 501 LG3
- 394 MEMBER 101 221 LG4
- 395 MEMBER 102 231 LG4
- 396 MEMBER 103 261 LG4
- 397 MEMBER 104 271 LG4
- 398 MEMBER 207 361 LG4
- 399 MEMBER 208 371 LG4
- 400 MEMBER 302 421 LG4

*** Echo Of Input Data - PREP ***

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
Line	1...	5...	0...	5...	0...	5...	0...	5...	0...	5...	0...	5...	0...	5...	0

- 451 MEMBER OFFSETS -29.00 -29.00
- 452 MEMBER1 203 331 SKD
- 453 MEMBER OFFSETS -29.00 -29.00
- 454 MEMBER1 331 303 SKD
- 455 MEMBER OFFSETS -29.00 -29.00
- 456 MEMBER1 303 431 SKD
- 457 MEMBER OFFSETS -29.00 -29.00
- 458 MEMBER1 431 506 SKD
- 459 MEMBER OFFSETS -29.00 -29.00
- 460 MEMBER1 506 531 SKD
- 461 MEMBER OFFSETS -29.00 -29.00
- 462 MEMBER1 531 502 SKD
- 463 MEMBER OFFSETS -29.00 -29.00
- 464 MEMBER 424 446 MO8
- 465 MEMBER 443 423 MO8
- 466 MEMBER 443 463 MO8
- 467 MEMBER 446 464 MO8
- 468 MEMBER 423 507 MO9
- 469 MEMBER 424 506 MO9
- 470 MEMBER 463 508 MO9
- 471 MEMBER 464 505 MO9
- 472 MEMBER 421 423 M10
- 473 MEMBER 423 425 M10
- 474 MEMBER 424 431 M10
- 475 MEMBER 425 424 M10
- 476 MEMBER 461 463 M10

- 477 MEMBER 463 465 M10
- 478 MEMBER 464 471 M10
- 479 MEMBER 465 464 M10
- 480 MEMBER 421 425 M11
- 481 MEMBER 425 431 M11
- 482 MEMBER 461 465 M11
- 483 MEMBER 465 471 M11
- 484 MEMBER 423 424 M12
- 485 MEMBER 463 464 M12
- 486 MEMBER 411 421 M14
- 487 MEMBER 471 481 M14
- 488 MEMBER 411 451 M18
- 489 MEMBER 421 443 M18
- 490 MEMBER 431 446 M18
- 491 MEMBER 441 481 M18
- 492 MEMBER 443 461 M18
- 493 MEMBER 446 471 M18
- 494 MEMBER 421 451 M20
- 495 MEMBER 441 471 M20
- 496 MEMBER 463 423 M21
- 497 MEMBER 464 424 M21
- 498 MEMBER 521 561 M16
- 499 MEMBER 531 571 M16
- 500 MEMBER 511 561 M20

*** Echo Of Input Data - PREP ***

Line	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
1	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5

- S01 MEMBER 531 581 M20
- S02 MEMBER 626 643 P08
- S03 MEMBER 628 646 P08
- S04 MEMBER 643 666 P08
- S05 MEMBER 646 668 P08
- S06 MEMBER 621 626 P10
- S07 MEMBER 623 625 P10
- S08 MEMBER 625 624 P10
- S09 MEMBER 626 503 P10
- S10 MEMBER 628 502 P10
- S11 MEMBER 631 628 P10
- S12 MEMBER 663 665 P10
- S13 MEMBER 665 664 P10
- S14 MEMBER 666 504 P10
- S15 MEMBER 666 661 P10
- S16 MEMBER 668 501 P10
- S17 MEMBER 668 671 P10
- S18 MEMBER 611 621 P12
- S19 MEMBER 621 625 P12
- S20 MEMBER 625 631 P12
- S21 MEMBER 631 641 P12
- S22 MEMBER 651 661 P12
- S23 MEMBER 661 665 P12
- S24 MEMBER 665 671 P12
- S25 MEMBER 671 681 P12
- S26 MEMBER 611 651 P14
- S27 MEMBER 621 643 P14
- S28 MEMBER 631 646 P14
- S29 MEMBER 641 681 P14
- S30 MEMBER 643 661 P14
- S31 MEMBER 646 671 P14
- S32 MEMBER 623 624 P16
- S33 MEMBER 626 628 P16
- S34 MEMBER 663 664 P16
- S35 MEMBER 666 668 P16
- S36 MEMBER 621 651 P18
- S37 MEMBER 641 671 P18
- S38 MEMBER 623 626 P21
- S39 MEMBER 624 628 P21
- S40 MEMBER 626 666 P21
- S41 MEMBER 628 668 P21
- S42 MEMBER 666 663 P21
- S43 MEMBER 668 664 P21
- S44 MEMBER 112 212 PL2
- S45 MEMBER 122 222 PL2
- S46 MEMBER 132 232 PL2
- S47 MEMBER 142 242 PL2
- S48 MEMBER 152 252 PL2
- S49 MEMBER 162 262 PL2
- S50 MEMBER 172 272 PL2

*** Echo Of Input Data - PREP ***

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
Line	1...5	...0	...5	...0	...5	...0	...5	...0	...5	...0	...5	...0	...5	...0	...5

- 551 MEMBER 182 282 PL2
- 552 MEMBER 212 312 PL3
- 553 MEMBER 222 322 PL3
- 554 MEMBER 232 332 PL3
- 555 MEMBER 242 342 PL3
- 556 MEMBER 252 352 PL3
- 557 MEMBER 262 362 PL3
- 558 MEMBER 272 372 PL3
- 559 MEMBER 282 382 PL3
- 560 MEMBER 312 412 PL4
- 561 MEMBER 322 422 PL4
- 562 MEMBER 332 432 PL4
- 563 MEMBER 342 442 PL4
- 564 MEMBER 352 452 PL4
- 565 MEMBER 362 462 PL4
- 566 MEMBER 372 472 PL4
- 567 MEMBER 382 482 PL4
- 568 MEMBER 412 512 PL5
- 569 MEMBER 422 522 PL5
- 570 MEMBER 432 532 PL5
- 571 MEMBER 442 542 PL5
- 572 MEMBER 452 552 PL5
- 573 MEMBER 462 562 PL5
- 574 MEMBER 472 572 PL5
- 575 MEMBER 482 582 PL5
- 576 MEMBER 512 612 PL6
- 577 MEMBER 522 622 PL6
- 578 MEMBER 532 632 PL6
- 579 MEMBER 542 642 PL6
- 580 MEMBER 552 652 PL6
- 581 MEMBER 562 662 PL6
- 582 MEMBER 572 672 PL6
- 583 MEMBER 582 682 PL6
- 584 MEMBER 612 712 PL7
- 585 MEMBER 622 722 PL7
- 586 MEMBER 632 732 PL7
- 587 MEMBER 642 742 PL7
- 588 MEMBER 652 752 PL7
- 589 MEMBER 662 762 PL7
- 590 MEMBER 672 772 PL7
- 591 MEMBER 682 782 PL7
- 592 MEMBER 712 811 PL8
- 593 MEMBER 722 821 PL8
- 594 MEMBER 732 831 PL8
- 595 MEMBER 742 841 PL8
- 596 MEMBER 752 851 PL8
- 597 MEMBER 762 861 PL8
- 598 MEMBER 772 871 PL8
- 599 MEMBER 782 881 PL8
- 600 MEMBER 123 199 SIM

*** Echo Of Input Data - PREP ***

Line 1...5...0...5...0...5...0...5...0...5...0...5...0...5...0...5...0

651	MEMBER OFFSETS								6.000
652	MEMBER1 411 412 W.BSK	100111						F	
653	MEMBER OFFSETS				.590	.590	5.940		
654	MEMBER1 421 422 W.BSK	100111						F	
655	MEMBER OFFSETS				.600	5.970			
656	MEMBER1 431 432 W.BSK	100111						F	
657	MEMBER OFFSETS				.600	5.970			
658	MEMBER1 441 442 W.BSK	100111						F	
659	MEMBER OFFSETS				-.590	.590	5.940		
660	MEMBER1 451 452 W.BSK	100111						F	
661	MEMBER OFFSETS				.590	-.590	5.940		
662	MEMBER1 461 462 W.BSK	100111						F	
663	MEMBER OFFSETS				-.600	5.970			
664	MEMBER1 471 472 W.BSK	100111						F	
665	MEMBER OFFSETS				-.600	5.970			
666	MEMBER1 481 482 W.BSK	100111						F	
667	MEMBER OFFSETS				-.590	-.590	5.940		
668	MEMBER1 499 500 W.BSK	100111						F	
669	MEMBER OFFSETS						6.000		
670	MEMBER1 611 612 W.BSK	100111						F	
671	MEMBER OFFSETS				.590	.590	5.940		
672	MEMBER1 621 622 W.BSK	100111						F	
673	MEMBER OFFSETS				.600	5.970			
674	MEMBER1 631 632 W.BSK	100111						F	
675	MEMBER OFFSETS				.600	5.970			
676	MEMBER1 641 642 W.BSK	100111						F	
677	MEMBER OFFSETS				-.590	.590	5.940		
678	MEMBER1 651 652 W.BSK	100111						F	
679	MEMBER OFFSETS				.590	-.590	5.940		
680	MEMBER1 661 662 W.BSK	100111						F	
681	MEMBER OFFSETS				-.600	5.970			
682	MEMBER1 671 672 W.BSK	100111						F	
683	MEMBER OFFSETS				-.600	5.970			
684	MEMBER1 681 682 W.BSK	100111						F	
685	MEMBER OFFSETS				-.590	-.590	5.940		
686	MEMBER1 699 700 W.BSK	100111						F	
687	MEMBER OFFSETS						6.000		
688	MEMBER 18 45 WF3SK								
689	MEMBER 45 41 WF3SK								
690	MEMBER 41 46 WF3SK								
691	MEMBER 46 49 WF3SK								
692	MEMBER 49 19 WF3SK								
693	MEMBER 19 55 WF3SK								
694	MEMBER 55 36 WF3SK								
695	MEMBER 36 57 WF3SK								
696	MEMBER 57 20 WF3SK								
697	MEMBER 20 59 WF3SK								
698	MEMBER 59 65 WF3SK								
699	MEMBER 59 65 WF3SK								
700	MEMBER 65 66 WF3SK								

*** Echo Of Input Data - PREP ***

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
Line	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...5...	0

- 701 MEMBER 66 67 WF3SK
- 702 MEMBER 67 21 WF3SK
- 703 MEMBER 23 47 WF3SK
- 704 MEMBER 47 43 WF3SK
- 705 MEMBER 43 48 WF3SK
- 706 MEMBER 48 50 WF3SK
- 707 MEMBER 50 24 WF3SK
- 708 MEMBER 24 56 WF3SK
- 709 MEMBER 56 37 WF3SK
- 710 MEMBER 37 58 WF3SK
- 711 MEMBER 58 25 WF3SK
- 712 MEMBER 25 60 WF3SK
- 713 MEMBER 60 68 WF3SK
- 714 MEMBER 68 69 WF3SK
- 715 MEMBER 69 70 WF3SK
- 716 MEMBER 70 26 WF3SK
- 717 MEMBER 54 34 WF6SK
- 718 MEMBER 34 40 WF6SK
- 719 MEMBER 40 35 WF6SK
- 720 MEMBER 35 64 WF6SK
- 721 MEMBER 53 31 WF6SK
- 722 MEMBER 31 39 WF6SK
- 723 MEMBER 39 33 WF6SK
- 724 MEMBER 33 63 WF6SK
- 725 MEMBER 18 27 WFOSK
- 726 MEMBER 27 23 WFOSK
- 727 MEMBER 21 30 WFOSK
- 728 MEMBER 30 26 WFOSK
- 729 MEMBER 53 49 WFOSK
- 730 MEMBER 49 51 Y32SK
- 731 MEMBER 51 50 Y32SK
- 732 MEMBER 50 54 WFOSK
- 733 MEMBER 63 59 WFOSK
- 734 MEMBER 59 61 WF3SK
- 735 MEMBER 61 60 WF3SK
- 736 MEMBER 60 64 WFOSK
- 737 MEMBER 20 29 WF3SK
- 738 MEMBER 29 25 WF3SK
- 739 MEMBER 19 28 WF3SK
- 740 MEMBER 28 24 WF3SK
- 741 MEMBER 39 36 Y24SK
- 742 MEMBER 36 38 Y24SK
- 743 MEMBER 38 37 Y24SK
- 744 MEMBER 37 40 Y24SK
- 745 MEMBER 81 113 WF4SK
- 746 MEMBER 113 114 WF4SK
- 747 MEMBER 114 116 WF4SK
- 748 MEMBER 116 83 WF4SK
- 749 MEMBER 83 117 WF4SK
- 750 MEMBER 117 118 WF4SK

*** Echo Of Input Data - PREP ***

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
Line	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...5...	0

- 751 MEMBER 118 119 WF4SK
- 752 MEMBER 119 84 WF4SK
- 753 MEMBER 84 120 WF4SK
- 754 MEMBER 120 126 WF4SK
- 755 MEMBER 126 127 WF4SK
- 756 MEMBER 127 85 WF4SK
- 757 MEMBER 86 128 WF4SK
- 758 MEMBER 128 129 WF4SK
- 759 MEMBER 129 130 WF4SK
- 760 MEMBER 130 87 WF4SK
- 761 MEMBER 87 133 WF4SK
- 762 MEMBER 133 134 WF4SK
- 763 MEMBER 134 136 WF4SK
- 764 MEMBER 136 88 WF4SK
- 765 MEMBER 88 137 WF4SK
- 766 MEMBER 137 138 WF4SK
- 767 MEMBER 138 139 WF4SK
- 768 MEMBER 139 89 WF4SK
- 769 MEMBER 81 90 V2SSK
- 770 MEMBER 90 94 V2SSK
- 771 MEMBER 94 98 V2SSK
- 772 MEMBER 98 86 V2SSK
- 773 MEMBER 85 93 V2SSK
- 774 MEMBER 93 97 V2SSK
- 775 MEMBER 97 106 V2SSK
- 776 MEMBER 106 89 V2SSK
- 777 MEMBER 91 95 V33
- 778 MEMBER 95 99 V33
- 779 MEMBER 92 96 V33
- 780 MEMBER 96 105 V33
- 781 MEMBER 811 1 IL1
- 782 MEMBER 821 2 IL1
- 783 MEMBER 831 3 IL1
- 784 MEMBER 841 4 IL1
- 785 MEMBER 1 9 IL2
- 786 MEMBER 2 10 IL2
- 787 MEMBER 3 11 IL2
- 788 MEMBER 4 13 IL2
- 789 MEMBER 9 18 IL3
- 790 MEMBER 18 73 IL3
- 791 MEMBER 73 81 IL2
- 792 MEMBER 10 19 IL3
- 793 MEMBER 19 74 IL3
- 794 MEMBER 74 83 IL2
- 795 MEMBER 11 20 IL3
- 796 MEMBER 20 75 IL3
- 797 MEMBER 75 84 IL2
- 798 MEMBER 13 21 IL3
- 799 MEMBER 21 76 IL3
- 800 MEMBER 76 85 IL2

*** Echo Of Input Data - PREP ***

Line	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
1	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5

- 801 MEMBER 45 113 D10
- 802 MEMBER 46 116 D10
- 803 MEMBER 65 120 D10
- 804 MEMBER 67 127 D10
- 805 MEMBER 55 117 D10
- 806 MEMBER 36 118 D10
- 807 MEMBER 57 119 D10
- 808 MEMBER 41 114 D16
- 809 MEMBER 41 113 D16
- 810 MEMBER 41 116 D16
- 811 MEMBER 66 126 D16
- 812 MEMBER 66 120 D16
- 813 MEMBER 66 127 D16
- 814 MEMBER 18 113 D24
- 815 MEMBER 19 116 D24
- 816 MEMBER 20 120 D24
- 817 MEMBER 21 127 D24
- 818 MEMBER 19 117 D11
- 819 MEMBER 36 117 D11
- 820 MEMBER 36 119 D11
- 821 MEMBER 20 119 D11
- 822 MEMBER 24 133 D11
- 823 MEMBER 37 133 D11
- 824 MEMBER 37 134 D11
- 825 MEMBER 37 136 D11
- 826 MEMBER 25 136 D11
- 827 MEMBER 23 128 D24
- 828 MEMBER 24 130 D24
- 829 MEMBER 25 137 D24
- 830 MEMBER 26 139 D24
- 831 MEMBER 47 128 D10
- 832 MEMBER 48 130 D10
- 833 MEMBER 56 133 D10
- 834 MEMBER 58 136 D10
- 835 MEMBER 68 137 D10
- 836 MEMBER 70 139 D10
- 837 MEMBER 43 129 D16
- 838 MEMBER 43 128 D16
- 839 MEMBER 43 130 D16
- 840 MEMBER 69 138 D16
- 841 MEMBER 69 137 D16
- 842 MEMBER 69 139 D16
- 843 MEMBER 851 5 IL1
- 844 MEMBER 861 6 IL1
- 845 MEMBER 871 7 IL1
- 846 MEMBER 881 8 IL1
- 847 MEMBER 5 14 IL2
- 848 MEMBER 6 15 IL2
- 849 MEMBER 7 16 IL2
- 850 MEMBER 8 17 IL2

*** Echo Of Input Data - PREP ***

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
Line	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...5...	0

- 851 MEMBER 14 23 TL3
- 852 MEMBER 23 77 TL3
- 853 MEMBER 77 86 TL2
- 854 MEMBER 15 24 TL3
- 855 MEMBER 24 78 TL3
- 856 MEMBER 78 87 TL2
- 857 MEMBER 16 25 TL3
- 858 MEMBER 25 79 TL3
- 859 MEMBER 79 88 TL2
- 860 MEMBER 17 26 TL3
- 861 MEMBER 26 80 TL3
- 862 MEMBER 80 89 TL2
- 863 MEMBER 18 90 D10
- 864 MEMBER 90 27 D10
- 865 MEMBER 27 98 D10
- 866 MEMBER 98 23 D10
- 867 MEMBER 27 94 D83
- 868 MEMBER 30 97 D83
- 869 MEMBER 21 93 D10
- 870 MEMBER 93 30 D10
- 871 MEMBER 30 106 D10
- 872 MEMBER 106 26 D10
- 873 MEMBER 33 108 D85
- 874 MEMBER 35 110 D85
- 875 MEMBER 20 108 D17
- 876 MEMBER 20 92 D17
- 877 MEMBER 25 105 D17

- 878 MEMBER 25 110 D17
- 879 MEMBER 29 96 D12
- 880 MEMBER 29 92 D12
- 881 MEMBER 29 105 D12
- 882 MEMBER 28 95 D12
- 883 MEMBER 28 91 D12
- 884 MEMBER 28 99 D12
- 885 MEMBER 19 91 D17
- 886 MEMBER 24 99 D17
- 887 MEMBER 19 107 D17
- 888 MEMBER 24 109 D17
- 889 MEMBER 31 107 D85
- 890 MEMBER 34 109 D85
- 891 MEMBER 107 140 V33
- 892 MEMBER 140 91 V33
- 893 MEMBER 83 140 TL2
- 894 MEMBER 87 147 TL2
- 895 MEMBER 99 147 V33
- 896 MEMBER 147 109 V33
- 897 MEMBER 108 149 V33
- 898 MEMBER 149 92 V33
- 899 MEMBER 105 150 V33
- 900 MEMBER 150 110 V33

*** Echo Of Input Data - PREP ***

Line 1...5...0...5...0...5...0...5...0...5...0...5...0...5...0...5...0...5...0...5...0...5...0

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901 MEMBER 84 149 TL2
902 MEMBER 88 150 TL2
903 MEMBER 66 71 V24SK
904 MEMBER 71 69 V24SK
905 MEMBER 41 44 V76SK
906 MEMBER 44 43 V76SK
907 MEMBER 81 153 V2SSK
908 MEMBER 153 87 V2SSK
909 MEMBER 83 153 V2SSK
910 MEMBER 153 86 V2SSK
911 MEMBER 88 154 V2SSK
912 MEMBER 154 83 V2SSK
913 MEMBER 87 154 V2SSK
914 MEMBER 154 84 V2SSK
915 MEMBER 85 156 V2SSK
916 MEMBER 156 88 V2SSK
917 MEMBER 84 156 V2SSK
918 MEMBER 156 89 V2SSK
919 PILOPI PA20135 490. PIIPIPIPIPI
920 PGRP P42 42.0 1.75 170.0
921 PGRP P42 42.0 1.50 10.0
922 PGRP P42 42.0 1.25 10.0
923 PGRP P42 42.0 1.00 80.0
924 PGRP P33 33.0 16.49 163.0
925 PILE 200 300 P33 81SOL1
926 PILE 112 212 P42 135SOL1
927 PILE 122 222 P42 135SOL1
928 PILE 132 232 P42 135SOL1
929 PILE 142 242 P42 135SOL1
930 PILE 152 252 P42 135SOL1
931 PILE 162 262 P42 135SOL1
932 PILE 172 272 P42 135SOL1
933 PILE 182 282 P42 135SOL1
934 SOIL SOL1 1.
935 I-Z 7 0.0 .07336 42. S
936 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
937 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
938 I-Z 7 33.0 .07336 42. S
939 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
940 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
941 I-Z 7 33.1 .38528 42. S
942 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
943 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
944 I-Z 7 100.0 .38528 42. S
945 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
946 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
947 I-Z 2 100.1 2.4278 42. S
948 TVAL 0.0 1.00
949 ZVAL 0.0 0.01
950 I-Z 2 150.0 2.4278 42. S
    
```


*** Echo Of Input Data - PREP ***

Line	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	
1	...	5	...	0	...	5	...	0	...	5	...	0	...	5	...	0

1051	JOINT	164	9.583	13.781	-223.00											
1052	JOINT	165	.000	46.302	-223.00											
1053	JOINT	171	22.500	46.302	-223.00											
1054	JOINT	172	22.500	46.302	-223.00											
1055	JOINT	175	52.906	46.302	-223.00											
1056	JOINT	181	86.302	46.302	-223.00											
1057	JOINT	182	86.302	46.302	-223.00											
1058	JOINT	199	.000	.000	-223.00											
1059	JOINT	200	.000	.000	-223.00											
1060	JOINT	201	-22.500	-2.575	-140.25											
1061	JOINT	202	-22.500	-38.027	-140.25											
1062	JOINT	203	22.500	-38.027	-140.25											
1063	JOINT	204	22.500	2.575	-140.25											
1064	JOINT	205	-22.500	-37.602	-136.00											
1065	JOINT	206	22.500	-37.602	-136.00											
1066	JOINT	207	-22.500	37.602	-136.00											
1067	JOINT	208	22.500	37.602	-136.00											
1068	JOINT	211	-80.602	-40.602	-166.00											
1069	JOINT	212	-80.602	-40.602	-166.00											
1070	JOINT	221	-22.500	-40.602	-166.00											
1071	JOINT	222	-22.500	-40.602	-166.00											
1072	JOINT	223	-9.583	-13.781	-166.00											
1073	JOINT	224	9.583	-13.781	-166.00											
1074	JOINT	225	.000	-40.599	-166.00											
1075	JOINT	231	22.500	-40.602	-166.00											
1076	JOINT	232	22.500	-40.602	-166.00											
1077	JOINT	241	80.602	-40.602	-166.00											
1078	JOINT	242	80.602	-40.602	-166.00											
1079	JOINT	243	-9.583	.000	-166.00											
1080	JOINT	244	9.583	.000	-166.00											
1081	JOINT	251	-80.602	40.602	-166.00											
1082	JOINT	252	-80.602	40.602	-166.00											
1083	JOINT	253	-22.500	-7.469	-166.00											
1084	JOINT	254	-22.500	.000	-166.00											
1085	JOINT	255	22.500	.000	-166.00											
1086	JOINT	261	-22.500	40.602	-166.00											
1087	JOINT	262	-22.500	40.602	-166.00											
1088	JOINT	263	-9.583	13.781	-166.00											
1089	JOINT	264	9.583	13.781	-166.00											
1090	JOINT	265	.000	40.599	-166.00											
1091	JOINT	271	22.500	40.602	-166.00											
1092	JOINT	272	22.500	40.602	-166.00											
1093	JOINT	281	80.602	40.602	-166.00											
1094	JOINT	282	80.602	40.602	-166.00											
1095	JOINT	299	.000	.000	-166.00											
1096	JOINT	300	.000	.000	-166.00											
1097	JOINT	301	-22.500	2.325	-91.250											
1098	JOINT	302	-22.500	-33.127	-91.250											
1099	JOINT	303	22.500	-33.127	-91.250											
1100	JOINT	304	22.500	-2.325	-91.250											

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*** Echo Of Input Data - PREP ***

Line	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
1301	JOINT	94	-62.500	.000	55.000										
1302	JOINT	95	-22.500	.000	57.380										
1303	JOINT	96	22.500	.000	57.380										
1304	JOINT	97	62.500	.000	55.000										
1305	JOINT	98	-62.500	11.250	55.000										
1306	JOINT	99	-22.500	11.250	57.380										
1307	JOINT	105	22.500	11.250	57.380										
1308	JOINT	106	62.500	11.250	55.000										
1309	JOINT	107	-22.500	-29.000	57.380										
1310	JOINT	108	22.500	-29.000	57.380										
1311	JOINT	109	-22.500	29.000	57.380										
1312	JOINT	110	22.500	29.000	57.380										
1313	JOINT	113	-52.500	-22.500	55.000										
1314	JOINT	114	-42.500	-22.500	55.000										
1315	JOINT	116	-32.500	-22.500	55.000										
1316	JOINT	117	-11.250	-22.500	55.000										
1317	JOINT	118	.000	-22.500	55.000										
1318	JOINT	119	11.250	-22.500	55.000										
1319	JOINT	120	32.500	-22.500	55.000										
1320	JOINT	126	42.500	-22.500	55.000										
1321	JOINT	127	52.500	-22.500	55.000										
1322	JOINT	128	-52.500	22.500	55.000										
1323	JOINT	129	-42.500	22.500	55.000										
1324	JOINT	130	-32.500	22.500	55.000										
1325	JOINT	133	-11.250	22.500	55.000										
1326	JOINT	134	.000	22.500	55.000										
1327	JOINT	136	11.250	22.500	55.000										
1328	JOINT	137	32.500	22.500	55.000										
1329	JOINT	138	42.500	22.500	55.000										
1330	JOINT	139	52.500	22.500	55.000										
1331	JOINT	140	-22.500	-22.500	57.380										
1332	JOINT	147	-22.500	22.500	57.380										
1333	JOINT	149	22.500	-22.500	57.380										
1334	JOINT	150	22.500	22.500	57.380										
1335	JOINT	153	-42.500	.000	55.000										
1336	JOINT	154	.000	.000	55.000										
1337	JOINT	156	42.500	.000	55.000										
1338	AREABL	33.	480.	120.	42.5	-26.3	2.5	1.05	631	641					D
1339	AREABL	1440.	1440.	1440.	42.5	-26.3	2.5	1.4	631	641					I
1340	AREABB	62.	62.	14.4	-63.064	-28.064	1.0	0.7	611						D
1341	AREABB	151.27151.	27151.27151.	27	-63.064	-28.064	1.0	1.45	611						I
1342	AREABB	62.	62.	14.4	-22.5	-28.064	1.0	0.7	621						D
1343	AREABB	151.27151.	27151.27	-22.5	-28.064		1.0	1.45	621						I
1344	AREABB	62.	62.	14.4	-63.064	-28.064	1.0	0.7	651						D
1345	AREABB	151.27151.	27151.27	-63.064	-28.064		1.0	1.45	651						I
1346	AREABB	62.	62.	14.4	-22.5	-28.064	1.0	0.7	661						D
1347	AREABB	151.27151.	27151.27	-22.5	-28.064		1.0	1.45	661						I
1348	AREABB	62.	62.	14.4	22.5	-28.064	1.0	0.7	671						D
1349	AREABB	151.27151.	27151.27	22.5	-28.064		1.0	1.45	671						I
1350	AREABB	62.	62.	14.4	63.064	-28.064	1.0	0.7	681						D

*** Echo Of Input Data - PREP ***

Line 1...5...0...5...0...5...0...5...0...5...0...5...0...5...0...5...0

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
1351	AREABB151.27151.27151.27	63.064-28.064	1.0	1.45	681										I
1352	AREAW1	672. 1792.	0.	0.	47.		19	20	24	25					
1353	AREAW2	642. 1713.	0.	0.	60.69		83	84	87	88					
1354	AREADD	450.0	-52.5	-11.25	41.0	1.	18	27	41	44					D
1355	AREADD	450.0	-52.5	11.25	41.0	1.	23	27	43	44					D
1356	AREADD	450.0	52.5	-11.25	41.0	1.	21	30	66	71					D
1357	AREADD	450.0	52.5	11.25	41.0	1.	26	30	69	71					D
1358	AREADD	450.0	-32.5	-11.25	41.0	1.	19	28	41	44					D
1359	AREADD	450.0	-32.5	11.25	41.0	1.	24	28	43	44					D
1360	AREADD	450.0	32.5	-11.25	41.0	1.	20	29	66	71					D
1361	AREADD	450.0	32.5	11.25	41.0	1.	25	29	69	71					D
1362	AREADD	506.3	-11.25	-11.25	41.0	1.	19	28	36	38					D
1363	AREADD	506.3	-11.25	11.25	41.0	1.	24	28	37	38					D
1364	AREADD	506.3	11.25	-11.25	41.0	1.	20	29	36	38					D
1365	AREADD	506.3	11.25	11.25	41.0	1.	25	29	37	38					D
1366	AREADD	523.4-13.085	-32.5	41.0	1.	19	31	36	39						D
1367	AREADD	523.4-13.085	32.5	41.0	1.	24	34	37	40						D
1368	AREADD	516.6 13.085	-32.5	41.0	1.	20	33	36	39						D
1369	AREADD	516.6 13.085	32.5	41.0	1.	25	35	37	40						D
1370	MGROU	0.0	57.0	1.00			1.051.05	1.2	1.2						
1371	MGROU	57.0	156.0	1.50			1.051.05	1.2	1.2						
1372	MGROU	156.0	224.0	2.00			1.051.05	1.2	1.2						
1373	GRPOU	Y76 F	490.	156.8	30.	30.	1.841.84								
1374	GRPOU	Y32 F	490.	116.7	35.	35.	1.971.97								
1375	GRPOU	Y24 F	490.	153.2	30.	30.	1.841.84								
1376	GRPOU	SKDNF	490.	19.24	12.75	12.75	4.0	4.0	1.4	1.4					
1377	GRPOU	CN1NN	490.	854.9	855.3	33.0	33.0	9.2	9.2	7.6	7.6				
1378	GRPOU	CN2NN	490.	442.9	683.5	29.5	29.5	10.3	10.3	9.5	9.5				
1379	GRPOU	PL2NF	490.	221.29	.0001	.0001	.001	.001	.001	.001	.001	.001	.001	.001	.0 .0
1380	GRPOU	PL2NF	490.	190.85	.0001	.0001	.001	.001	.001	.001	.001	.001	.001	.001	.0 .0
1381	GRPOU	PL2NF	490.	160.02	.0001	.0001	.001	.001	.001	.001	.001	.001	.001	.001	.0 .0
1382	GRPOU	PL3NF	490.	160.02	.0001	.0001	.001	.001	.001	.001	.001	.001	.001	.001	.0 .0
1383	GRPOU	PL3NF	490.	128.81	.0001	.0001	.001	.001	.001	.001	.001	.001	.001	.001	.0 .0
1384	GRPOU	PL4NF	490.	128.81	.0001	.0001	.001	.001	.001	.001	.001	.001	.001	.001	.0 .0
1385	GRPOU	PL5NF	490.	128.81	.0001	.0001	.001	.001	.001	.001	.001	.001	.001	.001	.0 .0
1386	GRPOU	PL6NF	490.	128.81	.0001	.0001	.001	.001	.001	.001	.001	.001	.001	.001	.0 .0
1387	GRPOU	PL7NF	490.	128.81	.0001	.0001	.001	.001	.001	.001	.001	.001	.001	.001	.0 .0
1388	LOADCN	1													
1389	DEAD	-Z													
1390	LOAD	611			-9.000		GLOB JOIN	BUMPER							
1391	LOAD	611			-3.000		GLOB JOIN	WALK10'							
1392	LOAD	621			-9.000		GLOB JOIN	BUMPER							
1393	LOAD	621			-3.000		GLOB JOIN	WALK10'							
1394	LOAD	631			-20.000		GLOB JOIN	BOATLN							
1395	LOAD	631			-3.000		GLOB JOIN	WALK10'							
1396	LOAD	641			-20.000		GLOB JOIN	BOATLN							
1397	LOAD	641			-3.000		GLOB JOIN	WALK10'							
1398	LOAD	651			-9.000		GLOB JOIN	BUMPER							
1399	LOAD	651			-3.000		GLOB JOIN	WALK10'							
1400	LOAD	661			-9.000		GLOB JOIN	BUMPER							

*** Tubular Member Properties ***

Joint	GRP	M/S	Thick	WT	OD	E	G	Ax	Ix	Iy	Iz	Fy	Ky	Kz	Shear Area	Sec Len
			(Ft)	(In)	(In)	(1000KSI)	(In ²)		(In ⁴)	(In ⁴)	(In ⁴)	(KSI)			(In ²)	(Ft)
165	1	.00	.500	16.000	29.0	11.6	24.3	1464.	732.	732.	36.0	1.0	1.0	12.17	.00	
185	1	.00	.500	18.000	29.0	11.6	27.5	2106.	1053.	1053.	36.0	1.0	1.0	13.74	.00	
203	1	.00	.375	20.000	29.0	11.6	23.1	2227.	1113.	1113.	36.0	1.0	1.0	11.56	.00	
205	1	.00	.500	20.000	29.0	11.6	30.6	2914.	1457.	1457.	36.0	1.0	1.0	15.32	.00	
243	1	.00	.375	24.000	29.0	11.6	27.8	3885.	1942.	1942.	36.0	1.0	1.0	13.92	.00	
245	1	.00	.500	24.000	29.0	11.6	36.9	5099.	2549.	2549.	36.0	1.0	1.0	18.46	.00	
263	1	.00	.375	26.000	29.0	11.6	30.2	4957.	2478.	2478.	36.0	1.0	1.0	15.09	.00	
265	1	.00	.500	26.000	29.0	11.6	40.1	6514.	3257.	3257.	36.0	1.0	1.0	20.03	.00	
J08	1	.00	.500	8.625	29.0	11.6	12.8	211.	106.	106.	36.0	1.0	1.0	6.38	.00	
J11	1	.00	.500	12.750	29.0	11.6	19.2	723.	362.	362.	36.0	1.0	1.0	9.62	.00	
J12	1	.00	.687	12.750	29.0	11.6	26.0	950.	475.	475.	36.0	1.0	1.0	13.02	.00	
J16	1	.00	.500	16.000	29.0	11.6	24.3	1464.	732.	732.	36.0	1.0	1.0	12.17	.00	
J20	1	.00	.812	20.000	29.0	11.6	48.9	4513.	2257.	2257.	36.0	1.0	1.0	24.47	.00	
J24	1	.00	.687	24.000	29.0	11.6	50.3	6843.	3421.	3421.	36.0	1.0	1.0	25.16	.00	
J25	1	.00	.500	24.000	29.0	11.6	36.9	5099.	2549.	2549.	36.0	1.0	1.0	18.46	.00	
K08	1	.00	.322	8.625	29.0	11.6	8.4	145.	72.	72.	36.0	1.0	1.0	4.20	.00	
K11	1	.00	.500	12.750	29.0	11.6	19.2	723.	362.	362.	36.0	1.0	1.0	9.62	.00	
K12	1	.00	.687	12.750	29.0	11.6	26.0	950.	475.	475.	36.0	1.0	1.0	13.02	.00	
K13	1	.00	.375	12.750	29.0	11.6	14.6	559.	279.	279.	36.0	1.0	1.0	7.29	.00	
K18	1	.00	.500	18.000	29.0	11.6	27.5	2106.	1053.	1053.	36.0	1.0	1.0	13.74	.00	
K20	1	.00	.812	20.000	29.0	11.6	48.9	4513.	2257.	2257.	36.0	1.0	1.0	24.47	.00	
K24	1	.00	.375	24.000	29.0	11.6	27.8	3885.	1942.	1942.	36.0	1.0	1.0	13.92	.00	
L20	1	.00	.500	20.000	29.0	11.6	30.6	2914.	1457.	1457.	36.0	1.0	1.0	15.32	.00	
L24	1	.00	.375	24.000	29.0	11.6	27.8	3885.	1942.	1942.	36.0	1.0	1.0	13.92	.00	
L25	1	.00	.500	24.000	29.0	11.6	36.9	5099.	2549.	2549.	36.0	1.0	1.0	18.46	.00	
LG2	1	.00	1.000	46.000	29.0	11.6	141.4	71605.	35802.	35802.	36.0	1.0	1.0	70.69	5.00	
LG2	1	.00	.500	46.000	29.0	11.6	71.5	36995.	18498.	18498.	36.0	1.0	1.0	35.74	.00	
LG2	1	.00	1.000	46.000	29.0	11.6	141.4	71605.	35802.	35802.	36.0	1.0	1.0	70.69	5.00	
LG3	1	.00	1.000	46.000	29.0	11.6	141.4	71605.	35802.	35802.	36.0	1.0	1.0	70.69	5.00	
LG3	1	.00	.500	46.000	29.0	11.6	71.5	36995.	18498.	18498.	36.0	1.0	1.0	35.74	.00	
LG4	1	.00	.500	46.000	29.0	11.6	71.5	36995.	18498.	18498.	36.0	1.0	1.0	35.74	.00	
LG4	1	.00	1.000	46.000	29.0	11.6	141.4	71605.	35802.	35802.	36.0	1.0	1.0	70.69	5.00	
LG5	1	.00	.500	46.000	29.0	11.6	71.5	36995.	18498.	18498.	36.0	1.0	1.0	35.74	.00	
LG7	1	.00	1.000	46.000	29.0	11.6	141.4	71605.	35802.	35802.	36.0	1.0	1.0	70.69	.00	
H08	1	.00	.322	8.625	29.0	11.6	8.4	145.	72.	72.	36.0	1.0	1.0	4.20	.00	
H09	1	.00	.375	10.750	29.0	11.6	12.2	329.	165.	165.	36.0	1.0	1.0	6.11	.00	
M10	1	.00	.365	10.750	29.0	11.6	11.9	321.	161.	161.	36.0	1.0	1.0	5.95	.00	
M11	1	.00	.500	12.750	29.0	11.6	19.2	723.	362.	362.	36.0	1.0	1.0	9.62	.00	
M12	1	.00	.687	12.750	29.0	11.6	26.0	950.	475.	475.	36.0	1.0	1.0	13.02	.00	
M14	1	.00	.375	14.000	29.0	11.6	16.1	746.	373.	373.	36.0	1.0	1.0	8.03	.00	
M18	1	.00	.500	18.000	29.0	11.6	27.5	2106.	1053.	1053.	36.0	1.0	1.0	13.74	.00	
M20	1	.00	.375	20.000	29.0	11.6	23.1	2227.	1113.	1113.	36.0	1.0	1.0	11.56	.00	
M21	1	.00	.812	20.000	29.0	11.6	48.9	4513.	2257.	2257.	36.0	1.0	1.0	24.47	.00	
N16	1	.00	.375	16.000	29.0	11.6	18.4	1124.	562.	562.	36.0	1.0	1.0	9.20	.00	

*** Tubular Member Properties ***

GRP	M/S	Joint Thick (Ft)	WT (In)	OD (In)	E (1000KSI)	G (1000KSI)	Ax (In ²)	Ix / (In ⁴)	Iy / (In ⁴)	Ix / (In ⁴)	Fy (KSI)	Ky	Kx	Shear Area (In ²)	Sec Len (Ft)
N20	1	.00	.375	20.000	29.0	11.6	23.1	2227.	1113.	1113.	36.0	1.0	1.0	11.56	.00
P08	1	.00	.322	8.625	29.0	11.6	8.4	145.	72.	72.	36.0	1.0	1.0	4.20	.00
P10	1	.00	.365	10.750	29.0	11.6	11.9	321.	161.	161.	36.0	1.0	1.0	5.95	.00
P12	1	.00	.500	12.750	29.0	11.6	19.2	723.	362.	362.	36.0	1.0	1.0	9.62	.00
P14	1	.00	.500	14.000	29.0	11.6	21.2	968.	484.	484.	36.0	1.0	1.0	10.60	.00
P16	1	.00	.500	16.000	29.0	11.6	24.3	1464.	732.	732.	36.0	1.0	1.0	12.17	.00
P18	1	.00	.375	18.000	29.0	11.6	20.8	1613.	807.	807.	36.0	1.0	1.0	10.38	.00
P21	1	.00	.812	20.000	29.0	11.6	48.9	4513.	2257.	2257.	36.0	1.0	1.0	24.47	.00
PL2	1	.00	1.750	42.000	29.0	11.6	221.3	89794.	44897.	44897.	36.0	1.0	1.0	110.64	27.30
PL2	1	.00	1.500	42.000	29.0	11.6	190.9	78369.	39184.	39184.	36.0	1.0	1.0	95.43	20.00
PL2	1	.00	1.250	42.000	29.0	11.6	160.0	66495.	33248.	33248.	36.0	1.0	1.0	80.01	.00
PL3	1	.00	1.250	42.000	29.0	11.6	160.0	66495.	33248.	33248.	36.0	1.0	1.0	80.01	4.80
PL3	1	.00	1.000	42.000	29.0	11.6	128.8	54163.	27081.	27081.	36.0	1.0	1.0	64.40	.00
PL4	1	.00	1.000	42.000	29.0	11.6	128.8	54163.	27081.	27081.	36.0	1.0	1.0	64.40	.00
PL5	1	.00	1.000	42.000	29.0	11.6	128.8	54163.	27081.	27081.	36.0	1.0	1.0	64.40	.00
PL6	1	.00	1.000	42.000	29.0	11.6	128.8	54163.	27081.	27081.	36.0	1.0	1.0	64.40	.00
PL7	1	.00	1.000	42.000	29.0	11.6	128.8	54163.	27081.	27081.	36.0	1.0	1.0	64.40	.00
PL8	1	.00	1.000	42.000	29.0	11.6	128.8	54163.	27081.	27081.	36.0	1.0	1.0	64.40	.00
SIM	1	.00	.687	12.750	29.0	11.6	26.0	950.	475.	475.	36.0	1.0	1.0	13.02	.00
W.B	1	.00	1.000	42.000	29.0	11.6	128.8	54163.	27081.	27081.	36.0	1.0	1.0	64.40	.00
CH2	1	.00	2.000	29.500	29.0	11.6	172.8	32840.	16420.	16420.	36.0	1.0	1.0	86.39	.00
CH1	1	.00	16.490	33.000	29.0	11.6	855.3	116428.	58214.	58214.	36.0	1.0	1.0	427.65	.00
SK0	9	.00	.500	12.750	29.0	11.6	19.2	723.	362.	362.	36.0	1.0	1.0	9.62	.00
Y24	9	.00	1.750	30.000	29.0	11.6	155.3	31106.	15553.	15553.	36.0	1.0	1.0	155.31	.00
Z24	9	.00	2.875	32.000	29.0	11.6	263.1	56330.	28165.	28165.	36.0	1.0	1.0	263.06	.00
Y25	9	.00	.625	24.000	29.0	11.6	45.9	6274.	3137.	3137.	36.0	1.0	1.0	45.90	.00
Y32	9	.00	1.125	35.000	29.0	11.6	119.7	34384.	17192.	17192.	36.0	1.0	1.0	119.72	.00
Y33	9	.00	.650	38.000	29.0	11.6	76.3	26608.	13304.	13304.	36.0	1.0	1.0	76.27	.00
Y76	9	.00	1.750	30.000	29.0	11.6	155.3	31106.	15553.	15553.	36.0	1.0	1.0	155.31	.00
D85	9	.00	.625	8.000	29.0	11.6	14.5	198.	99.	99.	36.0	1.0	1.0	7.24	.00
D83	9	.00	.328	8.000	29.0	11.6	7.9	117.	58.	58.	36.0	1.0	1.0	3.95	.00
D10	9	.00	.365	10.750	29.0	11.6	11.9	321.	161.	161.	36.0	1.0	1.0	5.95	.00
D11	9	.00	.500	10.750	29.0	11.6	16.1	424.	212.	212.	36.0	1.0	1.0	8.05	.00
D12	9	.00	.500	12.750	29.0	11.6	19.2	723.	362.	362.	36.0	1.0	1.0	9.62	.00
D16	9	.00	.500	16.000	29.0	11.6	24.3	1464.	732.	732.	36.0	1.0	1.0	12.17	.00
D17	9	.00	.656	16.000	29.0	11.6	31.6	1865.	932.	932.	36.0	1.0	1.0	15.81	.00
D24	9	.00	.750	24.000	29.0	11.6	54.8	7411.	3705.	3705.	36.0	1.0	1.0	27.39	.00
TL1	1	.00	1.000	42.000	29.0	11.6	128.8	54163.	27081.	27081.	36.0	1.0	1.0	64.40	.50
TL1	1	.00	1.000	36.000	29.0	11.6	110.0	33701.	16851.	16851.	36.0	1.0	1.0	54.98	.50
TL2	1	.00	1.000	36.000	29.0	11.6	110.0	33701.	16851.	16851.	36.0	1.0	1.0	54.98	.00
TL3	1	.00	1.250	36.000	29.0	11.6	136.5	41250.	20625.	20625.	36.0	1.0	1.0	68.23	.00

*** Wide Flange/Wide Flange Compact, Member Properties ***

GRP	M/S	Joint /--Flange--/			Web		Fillet		E	G	Ax	Ix	Iy	Ix	Fy	Ky	Kz	Lb	Sec Len
		Thick (Ft)	Thick /----- (In)	Width	Thick	Rad.	Depth	(1000KSI)												(In^2)	/----- (In^4)	/----- (KSI)	(Ft)	(Ft)
W76	9	.00	.680	8.99	.440	.500	23.9	29.0	11.6	22.4	3.	2100.	83.	36.0	1.0	1.0	.00	.00	
WFO	9	.00	.750	12.75	.500	.500	24.1	29.0	11.6	30.6	5.	3100.	259.	36.0	1.0	1.0	.00	.00	
WF2	9	.00	.850	12.80	.550	.500	24.3	29.0	11.6	34.4	7.	3540.	297.	36.0	1.0	1.0	.00	.00	
WF3	9	.00	.960	12.85	.605	.500	24.5	29.0	11.6	38.5	10.	4020.	340.	36.0	1.0	1.0	.00	.00	
WF4	9	.00	1.090	12.90	.650	.500	24.7	29.0	11.6	43.0	13.	4580.	391.	36.0	1.0	1.0	.00	.00	
WF6	9	.00	1.220	12.95	.705	.500	25.0	29.0	11.6	47.7	19.	5170.	443.	36.0	1.0	1.0	.00	.00	

*** Input Soil Curves For Soil Type SOL1 ***

Pile Head Linear Springs:

X-Translation (Kips/In)	.00
Y-Translation (Kips/In)	.00
Z-Translation (Kips/In)	.00
X-Rotation (In-Kips/Rad)	1.00
Y-Rotation (In-Kips/Rad)	.00
Z-Rotation (In-Kips/Rad)	.00

T-Z Curves:

Depth (Ft) =	.000	Force Mult =	.073	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	.300	.500	.750	.900	1.000	.700
Deflection (In)	.000	.002	.003	.006	.008	.010	.020
Depth (Ft) =	33.000	Force Mult =	.073	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	.300	.500	.750	.900	1.000	.700
Deflection (In)	.000	.002	.003	.006	.008	.010	.020
Depth (Ft) =	33.100	Force Mult =	.385	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	.300	.500	.750	.900	1.000	.700
Deflection (In)	.000	.002	.003	.006	.008	.010	.020
Depth (Ft) =	100.000	Force Mult =	.385	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	.300	.500	.750	.900	1.000	.700
Deflection (In)	.000	.002	.003	.006	.008	.010	.020
Depth (Ft) =	100.100	Force Mult =	2.428	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	1.000					
Deflection (In)	.000	.010					
Depth (Ft) =	150.000	Force Mult =	2.428	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	1.000					
Deflection (In)	.000	.010					
Depth (Ft) =	150.100	Force Mult =	2.602	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	1.000					
Deflection (In)	.000	.010					
Depth (Ft) =	210.000	Force Mult =	2.602	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	1.000					
Deflection (In)	.000	.010					
Depth (Ft) =	211.100	Force Mult =	1.942	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	.300	.500	.750	.900	1.000	.700
Deflection (In)	.000	.002	.003	.006	.008	.010	.020
Depth (Ft) =	270.000	Force Mult =	1.942	Deflection Mult =	42.000	Curve Symmetric:	YES
Force (Kips/In)	.000	.300	.500	.750	.900	1.000	.700
Deflection (In)	.000	.002	.003	.006	.008	.010	.020

TB-Z Curves:

Depth (Ft) =	.000	Force Mult =	6.930	Deflection Mult =	42.000	Curve Symmetric:	NO
Force (Kips)	.000	.250	.500	.750	.900	1.000	
Deflection (In)	.000	.002	.013	.042	.073	.100	
Depth (Ft) =	33.000	Force Mult =	6.930	Deflection Mult =	42.000	Curve Symmetric:	NO
Force (Kips)	.000	.250	.500	.750	.900	1.000	
Deflection (In)	.000	.002	.013	.042	.073	.100	

Depth (Ft) = 33.100	Force Mult = 36.370	Deflection Mult = 42.000	Curve Symmetric: NO
Force (Kips)	.000 .250 .500	.750 .900 1.000	
Deflection (In)	.000 .002 .013	.042 .073 .100	
Depth (Ft) = 100.000	Force Mult = 36.370	Deflection Mult = 42.000	Curve Symmetric: NO
Force (Kips)	.000 .250 .500	.750 .900 1.000	
Deflection (In)	.000 .002 .013	.042 .073 .100	
Depth (Ft) = 100.100	Force Mult = 2693.300	Deflection Mult = 42.000	Curve Symmetric: NO
Force (Kips)	.000 .250 .500	.750 .900 1.000	
Deflection (In)	.000 .002 .013	.042 .073 .100	
Depth (Ft) = 150.000	Force Mult = 2693.300	Deflection Mult = 42.000	Curve Symmetric: NO
Force (Kips)	.000 .250 .500	.750 .900 1.000	
Deflection (In)	.000 .002 .013	.042 .073 .100	
Depth (Ft) = 150.100	Force Mult = 2886.300	Deflection Mult = 42.000	Curve Symmetric: NO
Force (Kips)	.000 .250 .500	.750 .900 1.000	
Deflection (In)	.000 .002 .013	.042 .073 .100	
Depth (Ft) = 210.000	Force Mult = 2886.300	Deflection Mult = 42.000	Curve Symmetric: NO
Force (Kips)	.000 .250 .500	.750 .900 1.000	
Deflection (In)	.000 .002 .013	.042 .073 .100	
Depth (Ft) = 211.100	Force Mult = 71.000	Deflection Mult = 42.000	Curve Symmetric: NO
Force (Kips)	.000 .250 .500	.750 .900 1.000	
Deflection (In)	.000 .002 .013	.042 .073 .100	
Depth (Ft) = 270.000	Force Mult = 71.000	Deflection Mult = 42.000	Curve Symmetric: NO
Force (Kips)	.000 .250 .500	.750 .900 1.000	
Deflection (In)	.000 .002 .013	.042 .073 .100	

TR-IH Curves:

None

P-V Curves:

Depth (Ft) = .000	Force Mult = 1.000	Deflection Mult = 1.000	Curve Symmetric: YES
Force (Kips/In)	.000 .010 .013	.016 .020 .025	.029 .032 .034 .037
Force (Kips/In)	.039 .041 .043	.047 .050 .057	.062 .069 .069 .069
Deflection (In)	.000 .206 .412	.825 1.650 3.300	4.950 6.600 8.250 10.313
Deflection (In)	12.375 14.438 16.500	20.625 24.750 37.125	49.500 66.000 123.750 999.000
Depth (Ft) = 33.000	Force Mult = 1.000	Deflection Mult = 1.000	Curve Symmetric: YES
Force (Kips/In)	.000 .030 .038	.048 .060 .076	.087 .096 .103 .111
Force (Kips/In)	.118 .124 .130	.140 .149 .170	.187 .206 .206 .206
Deflection (In)	.000 .206 .412	.825 1.650 3.300	4.950 6.600 8.250 10.313
Deflection (In)	12.375 14.438 16.500	20.625 24.750 37.125	49.500 66.000 123.750 999.000
Depth (Ft) = 33.100	Force Mult = 1.000	Deflection Mult = 1.000	Curve Symmetric: YES
Force (Kips/In)	.000 .136 .171	.215 .271 .342	.391 .431 .464 .500
Force (Kips/In)	.531 .559 .585	.630 .669 .766	.843 .928 .928 .928
Deflection (In)	.000 .206 .412	.825 1.650 3.300	4.950 6.600 8.250 10.313
Deflection (In)	12.375 14.438 16.500	20.625 24.750 37.125	49.500 66.000 123.750 999.000
Depth (Ft) = 100.000	Force Mult = 1.000	Deflection Mult = 1.000	Curve Symmetric: YES
Force (Kips/In)	.000 .136 .171	.215 .271 .342	.391 .431 .464 .500
Force (Kips/In)	.531 .559 .585	.630 .669 .766	.843 .928 .928 .928
Deflection (In)	.000 .206 .412	.825 1.650 3.300	4.950 6.600 8.250 10.313
Deflection (In)	12.375 14.438 16.500	20.625 24.750 37.125	49.500 66.000 123.750 999.000
Depth (Ft) = 100.100	Force Mult = 1.000	Deflection Mult = 1.000	Curve Symmetric: YES
Force (Kips/In)	.000 16.921 33.841	50.762 59.223 67.683	76.144 84.604 93.064 101.524
Force (Kips/In)	109.985 118.445 126.905	135.366 143.826 152.287	160.747 165.823 167.515 169.207

Deflection (In)	.000	.116	.234	.357	.422	.489	.560	.634	.714	.800
Deflection (In)	.895	1.001	1.123	1.268	1.450	1.700	2.115	2.653	3.056	999.000

Depth (Ft) = 150.000	Force Mult =	1.000	Deflection Mult =	1.000	Curve Symmetric:	YES				
Force (Kips/In)	.000	25.356	50.712	76.067	88.745	101.423	114.101	126.779	139.457	152.135
Force (Kips/In)	164.812	177.490	190.168	202.846	215.524	228.202	240.880	248.487	251.022	253.558
Deflection (In)	.000	.116	.234	.357	.422	.489	.560	.634	.714	.800
Deflection (In)	.895	1.001	1.123	1.268	1.450	1.700	2.115	2.653	3.056	999.000

Depth (Ft) = 150.100	Force Mult =	1.000	Deflection Mult =	1.000	Curve Symmetric:	YES				
Force (Kips/In)	.000	26.116	52.232	78.349	91.407	104.465	117.523	130.581	143.639	156.697
Force (Kips/In)	169.755	182.814	195.872	208.930	221.988	235.046	248.104	255.939	258.551	261.162
Deflection (In)	.000	.092	.186	.284	.335	.389	.445	.504	.567	.636
Deflection (In)	.711	.796	.893	1.008	1.153	1.351	1.681	2.108	2.429	999.000

Depth (Ft) = 210.000	Force Mult =	1.000	Deflection Mult =	1.000	Curve Symmetric:	YES				
Force (Kips/In)	.000	36.538	73.077	109.615	127.884	146.153	164.423	182.692	200.961	219.230
Force (Kips/In)	237.499	255.769	274.038	292.307	310.576	328.845	347.115	358.076	361.730	365.384
Deflection (In)	.000	.092	.186	.284	.335	.389	.445	.504	.567	.636
Deflection (In)	.711	.796	.893	1.008	1.153	1.351	1.681	2.108	2.429	999.000

Depth (Ft) = 210.100	Force Mult =	1.000	Deflection Mult =	1.000	Curve Symmetric:	YES				
Force (Kips/In)	.000	.362	.456	.574	.724	.912	1.044	1.149	1.237	1.333
Force (Kips/In)	1.417	1.491	1.559	1.680	1.785	2.043	2.249	2.475	2.475	2.475
Deflection (In)	.000	.165	.330	.660	1.320	2.640	3.960	5.280	6.600	8.250
Deflection (In)	9.900	11.550	13.200	16.500	19.800	29.700	39.600	52.800	99.000	999.000

Depth (Ft) = 270.000	Force Mult =	1.000	Deflection Mult =	1.000	Curve Symmetric:	YES				
Force (Kips/In)	.000	.362	.456	.574	.724	.912	1.044	1.149	1.237	1.333
Force (Kips/In)	1.417	1.491	1.559	1.680	1.785	2.043	2.249	2.475	2.475	2.475
Deflection (In)	.000	.165	.330	.660	1.320	2.640	3.960	5.280	6.600	8.250
Deflection (In)	9.900	11.550	13.200	16.500	19.800	29.700	39.600	52.800	99.000	999.000

* * * Pile Data Report * * *

Pile No.	Pile Joint	Batter Joint	Refer. Joint	No. Of Segments	Group ID	Soil ID	Pile Density (PCF)	Chord Angle (Deg)	/---- Batter Increments ----/			Pile Length (Ft)
									X (Ft)	Y (Ft)	Z (Ft)	
1	200	300	0	81	P33	SOL1	490.00	.00	.00	.00	684.00	163.00
2	112	212	0	135	P42	SOL1	490.00	.00	68.40	68.40	684.00	270.00
3	122	222	0	135	P42	SOL1	490.00	.00	.00	68.40	684.00	270.00
4	132	232	0	135	P42	SOL1	490.00	.00	.00	68.40	684.00	270.00
5	142	242	0	135	P42	SOL1	490.00	.00	-68.40	68.40	684.00	270.00
6	152	252	0	135	P42	SOL1	490.00	.00	68.40	-68.40	684.00	270.00
7	162	262	0	135	P42	SOL1	490.00	.00	.00	-68.40	684.00	270.00
8	172	272	0	135	P42	SOL1	490.00	.00	.00	-68.40	684.00	270.00
9	182	282	0	135	P42	SOL1	490.00	.00	-68.40	-68.40	684.00	270.00

*** Pile Group Report ***

Group ID	Section Label	Outer Dia. (In)	Wall Thick. (In)	Mod. Of. Elasticity (1000KSI)	Mod. Of Rigidity (1000KSI)	Yield Strength (KSI)	Segment Length (Ft)	Section Area (In^2)	/----- Moments of Inertia -----/		
									Ix (In^4)	Iy (In^4)	Iz (In^4)
P42		42.00	1.750	29.0	11.6	36.0	170.00	221.29	89793.7	44896.8	44896.8
P42		42.00	1.500	29.0	11.6	36.0	10.00	190.85	78368.5	39184.3	39184.3
P42		42.00	1.250	29.0	11.6	36.0	10.00	160.02	66495.3	33247.7	33247.7
P42		42.00	1.000	29.0	11.6	36.0	80.00	128.81	54162.6	27081.3	27081.3
P33		33.00	16.490	29.0	11.6	36.0	163.00	855.30	116427.5	58213.8	58213.8

***** Load Generation Options *****

Seawater Density (PCF)	64.20
Structural Material Density (Steel) (PCF) .	490.00
Structural Material Density (Concrete)(PCF)	150.00
Member Flood Option	Non-Flooded
Mudline Elevation (Ft)	-223.00
Water Depth (Ft)	223.00

*** UAGA Drag And Mass Coefficients Table ***

Element Diameter (In)	Clean Element				Element With Marine Growth			
	Drag Coefficients		Mass Coefficients		Drag Coefficients		Mass Coefficients	
	Normal	Tangential	Normal	Tangential	Normal	Tangential	Normal	Tangential
12.00	.6100	.0000	1.3900	.0000	.6100	.0000	1.3900	.0000
24.00	.6650	.0000	1.4000	.0000	.6650	.0000	1.4000	.0000
48.00	.7200	.0000	1.4500	.0000	.7200	.0000	1.4500	.0000
72.00	.7500	.0000	1.6000	.0000	.7500	.0000	1.6000	.0000
96.00	.7810	.0000	1.6700	.0000	.7810	.0000	1.6700	.0000
120.00	.7990	.0000	1.7100	.0000	.7990	.0000	1.7100	.0000

*** UAGA Initial Group Property Definition ***

Group Label	Section Type	Length (Ft)	Area		Diameters		Material Density (PCF)	Joint Thick (Ft)	Flood	Drag And Mass Coefficients						
			Weight	Buoy.	Y	Z				Cdy	Cdx	Cdy	Cxz	Cdt	Cwt	
			(in^2)		(in)											
165	TUB		24.35	201.06	16.00	16.00	490.0		NO	.63	.63	1.39	1.39	.00	.00	
185	TUB		27.49	254.47	18.00	18.00	490.0		NO	.64	.64	1.39	1.39	.00	.00	
203	TUB		23.12	314.16	20.00	20.00	490.0		NO	.65	.65	1.40	1.40	.00	.00	
205	TUB		30.63	314.16	20.00	20.00	490.0		NO	.65	.65	1.40	1.40	.00	.00	
243	TUB		27.83	452.39	24.00	24.00	490.0		NO	.67	.67	1.40	1.40	.00	.00	
245	TUB		36.91	452.39	24.00	24.00	490.0		NO	.67	.67	1.40	1.40	.00	.00	
263	TUB		30.19	530.93	26.00	26.00	490.0		NO	.67	.67	1.40	1.40	.00	.00	
265	TUB		40.06	530.93	26.00	26.00	490.0		NO	.67	.67	1.40	1.40	.00	.00	
J08	TUB		12.76	58.43	8.63	8.63	490.0		NO	.61	.61	1.39	1.39	.00	.00	
J11	TUB		19.24	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
J12	TUB		26.04	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
J16	TUB		24.35	201.06	16.00	16.00	490.0		NO	.63	.63	1.39	1.39	.00	.00	
J20	TUB		48.95	314.16	20.00	20.00	490.0		NO	.65	.65	1.40	1.40	.00	.00	
J24	TUB		50.32	452.39	24.00	24.00	490.0		NO	.67	.67	1.40	1.40	.00	.00	
J25	TUB		36.91	452.39	24.00	24.00	490.0		NO	.67	.67	1.40	1.40	.00	.00	
K08	TUB		8.40	58.43	8.63	8.63	490.0		NO	.61	.61	1.39	1.39	.00	.00	
K11	TUB		19.24	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
K12	TUB		26.04	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
K13	TUB		14.58	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
K18	TUB		27.49	254.47	18.00	18.00	490.0		NO	.64	.64	1.39	1.39	.00	.00	
K20	TUB		48.95	314.16	20.00	20.00	490.0		NO	.65	.65	1.40	1.40	.00	.00	
K24	TUB		27.83	452.39	24.00	24.00	490.0		NO	.67	.67	1.40	1.40	.00	.00	
L20	TUB		30.63	314.16	20.00	20.00	490.0		NO	.65	.65	1.40	1.40	.00	.00	
L24	TUB		27.83	452.39	24.00	24.00	490.0		NO	.67	.67	1.40	1.40	.00	.00	
L25	TUB		36.91	452.39	24.00	24.00	490.0		NO	.67	.67	1.40	1.40	.00	.00	
LG2	TUB	5.00	141.37	1661.90	46.00	46.00	490.0		YES	.72	.72	1.45	1.45	.00	.00	
LG2	TUB		71.47	1661.90	46.00	46.00	490.0		YES	.72	.72	1.45	1.45	.00	.00	
LG2	TUB	5.00	141.37	1661.90	46.00	46.00	490.0		YES	.72	.72	1.45	1.45	.00	.00	
LG3	TUB	5.00	141.37	1661.90	46.00	46.00	490.0		YES	.72	.72	1.45	1.45	.00	.00	
LG3	TUB		71.47	1661.90	46.00	46.00	490.0		YES	.72	.72	1.45	1.45	.00	.00	
LG4	TUB		71.47	1661.90	46.00	46.00	490.0		YES	.72	.72	1.45	1.45	.00	.00	
LG4	TUB	5.00	141.37	1661.90	46.00	46.00	490.0		YES	.72	.72	1.45	1.45	.00	.00	
LG5	TUB		71.47	1661.90	46.00	46.00	490.0		YES	.72	.72	1.45	1.45	.00	.00	
LG7	TUB		141.37	1661.90	46.00	46.00	490.0		YES	.72	.72	1.45	1.45	.00	.00	
M08	TUB		8.40	58.43	8.63	8.63	490.0		NO	.61	.61	1.39	1.39	.00	.00	
M09	TUB		12.22	90.76	10.75	10.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
M10	TUB		11.91	90.76	10.75	10.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
M11	TUB		19.24	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
M12	TUB		26.04	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
M14	TUB		16.05	153.94	14.00	14.00	490.0		NO	.62	.62	1.39	1.39	.00	.00	
M18	TUB		27.49	254.47	18.00	18.00	490.0		NO	.64	.64	1.39	1.39	.00	.00	
M20	TUB		23.12	314.16	20.00	20.00	490.0		NO	.65	.65	1.40	1.40	.00	.00	
M21	TUB		48.95	314.16	20.00	20.00	490.0		NO	.65	.65	1.40	1.40	.00	.00	
N16	TUB		18.41	201.06	16.00	16.00	490.0		NO	.63	.63	1.39	1.39	.00	.00	
N20	TUB		23.12	314.16	20.00	20.00	490.0		NO	.65	.65	1.40	1.40	.00	.00	
P08	TUB		8.40	58.43	8.63	8.63	490.0		NO	.61	.61	1.39	1.39	.00	.00	
P10	TUB		11.91	90.76	10.75	10.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
P12	TUB		19.24	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00	
P14	TUB		21.21	153.94	14.00	14.00	490.0		NO	.62	.62	1.39	1.39	.00	.00	
P16	TUB		24.35	201.06	16.00	16.00	490.0		NO	.63	.63	1.39	1.39	.00	.00	

*** UAGA Initial Group Property Definition ***

Group Label	Section Type	Length (Ft)	Area		Diameters		Material Density (PCF)	Joint Thick (Ft)	Flood	Drag And Mass Coefficients					
			Weight	Buoy.	Y	Z				Cdy	Cdz	Cmy	Cmz	Cdt	Cmt
			(In^2)		(In)										
P18	TUB		20.76	254.47	18.00	18.00	490.0		NO	.64	.64	1.39	1.39	.00	.00
P21	TUB		48.95	314.16	20.00	20.00	490.0		NO	.65	.65	1.40	1.40	.00	.00
PL2	TUB	27.30	221.29	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
PL2	TUB	20.00	190.85	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
PL2	TUB		160.02	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
PL3	TUB	4.80	160.02	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
PL3	TUB		128.81	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
PL4	TUB		128.81	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
PL5	TUB		128.81	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
PL6	TUB		128.81	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
PL7	TUB		128.81	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
PL8	TUB		128.81	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
SIM	TUB		26.04	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00
W.B	TUB		128.81	1385.44	42.00	42.00	490.0		YES	.71	.71	1.44	1.44	.00	.00
CM2	TUB		172.79	683.49	29.50	29.50	490.0		NO	.68	.68	1.41	1.41	.00	.00
CM1	TUB		855.30	855.30	33.00	33.00	490.0		NO	.69	.69	1.42	1.42	.00	.00
SKD	TUB		19.24	127.68	12.75	12.75	490.0		YES	.61	.61	1.39	1.39	.00	.00
WF6	WF		22.40	22.40	23.92	8.99	490.0		YES	.66	.61	1.40	1.39	.00	.00
WFO	WF		30.60	30.60	24.06	12.75	490.0		YES	.67	.61	1.40	1.39	.00	.00
WF2	WF		34.40	34.40	24.26	12.80	490.0		YES	.67	.61	1.40	1.39	.00	.00
WF3	WF		38.50	38.50	24.48	12.85	490.0		YES	.67	.61	1.40	1.39	.00	.00
WF4	WF		43.00	43.00	24.74	12.90	490.0		YES	.67	.61	1.40	1.39	.00	.00
WF6	WF		47.70	47.70	25.00	12.95	490.0		YES	.67	.61	1.40	1.39	.00	.00
Y24	TUB		155.31	706.86	30.00	30.00	490.0		YES	.68	.68	1.41	1.41	.00	.00
Z24	TUB		263.06	804.25	32.00	32.00	490.0		YES	.68	.68	1.42	1.42	.00	.00
Y25	TUB		45.90	452.39	24.00	24.00	490.0		YES	.67	.67	1.40	1.40	.00	.00
Y32	TUB		119.72	962.11	35.00	35.00	490.0		YES	.69	.69	1.42	1.42	.00	.00
Y33	TUB		76.27	1134.12	38.00	38.00	490.0		YES	.70	.70	1.43	1.43	.00	.00
Y76	TUB		155.31	706.86	30.00	30.00	490.0		YES	.68	.68	1.41	1.41	.00	.00
D85	TUB		14.48	50.27	8.00	8.00	490.0		NO	.61	.61	1.39	1.39	.00	.00
D83	TUB		7.91	50.27	8.00	8.00	490.0		NO	.61	.61	1.39	1.39	.00	.00
D10	TUB		11.91	90.76	10.75	10.75	490.0		NO	.61	.61	1.39	1.39	.00	.00
D11	TUB		16.10	90.76	10.75	10.75	490.0		NO	.61	.61	1.39	1.39	.00	.00
D12	TUB		19.24	127.68	12.75	12.75	490.0		NO	.61	.61	1.39	1.39	.00	.00
D16	TUB		24.35	201.06	16.00	16.00	490.0		NO	.63	.63	1.39	1.39	.00	.00
D17	TUB		31.62	201.06	16.00	16.00	490.0		NO	.63	.63	1.39	1.39	.00	.00
D24	TUB		54.78	452.39	24.00	24.00	490.0		NO	.67	.67	1.40	1.40	.00	.00
IL1	TUB	.50	128.81	1385.44	42.00	42.00	490.0		NO	.71	.71	1.44	1.44	.00	.00
IL1	TUB	.50	109.96	1017.88	36.00	36.00	490.0		NO	.69	.69	1.42	1.42	.00	.00
IL2	TUB		109.96	1017.88	36.00	36.00	490.0		NO	.69	.69	1.42	1.42	.00	.00
IL3	TUB		136.46	1017.88	36.00	36.00	490.0		NO	.69	.69	1.42	1.42	.00	.00

*** WAGA Global Group Override Description ***

Group Label	Area Weight	Buoy	Diameter Y	Diameter Z	Material Density	Flood	Marine Growth	Drag And Mass Coefficients					
	(In^2)		(In)	(In)	(PCF)			Cdy	Cdx	Cwy	Cwz	Cdt	Cwt
Y76	156.80		30.00	30.00	490.00	F		1.84	1.84				
V32	116.70		35.00	35.00	490.00	F		1.97	1.97				
V24	153.20		30.00	30.00	490.00	F		1.84	1.84				
SKD	19.24		12.75	12.75	490.00	F	N	4.00	4.00	1.40	1.40		
CN1	854.90	855.30	33.00	33.00	490.00	N	N	9.20	9.20	7.60	7.60		
CN2	442.90	683.50	29.50	29.50	490.00	N	N	10.30	10.30	9.50	9.50		
PL2	221.29		.00	.00	490.00	F	N	.00	.00	.00	.00	.00	.00
PL2	190.85		.00	.00	490.00	F	N	.00	.00	.00	.00	.00	.00
PL2	160.02		.00	.00	490.00	F	N	.00	.00	.00	.00	.00	.00
PL3	160.02		.00	.00	490.00	F	N	.00	.00	.00	.00	.00	.00
PL3	128.81		.00	.00	490.00	F	N	.00	.00	.00	.00	.00	.00
PL4	128.81		.00	.00	490.00	F	N	.00	.00	.00	.00	.00	.00
PL5	128.81		.00	.00	490.00	F	N	.00	.00	.00	.00	.00	.00
PL6	128.81		.00	.00	490.00	F	N	.00	.00	.00	.00	.00	.00
PL7	128.81		.00	.00	490.00	F	N	.00	.00	.00	.00	.00	.00

*** UAGA Global Marine Growth Zone Description ***
 Mudline Elevation (Ft) = -223.00

Vertical Distance Of Zone From Mudline		Marine Growth Thickness (In)	/-- Drag And Mass Coefficients --/					
Bottom	Top		Cdy	Cdz	Cwy	Cwz	Cdt	Cwt
/----- (Ft) -----/			/-----/					
.00	57.00	1.000	1.05	1.05	1.20	1.20	.00	.00
57.00	156.00	1.500	1.05	1.05	1.20	1.20	.00	.00
156.00	224.00	2.000	1.05	1.05	1.20	1.20	.00	.00

*** UAGA Area Description ***

Group Label	Type Of Loading	/ Projected Areas / Or Volumes			/--- Centroid Of ---/ Area Or Volume			Shape Coeff	Area Type	/----- Applicable Joints -----/ 1 2 3 4 5 6 7							
		/(Ft^2) Or (Ft^3)/			/----- (Ft) -----/					/-----							
		Ax	Ay	Az	X	Y	Z			/-----							
BL	Fluid-Drag	33.0	480.0	120.0	42.5	-26.3	2.5	1.05	F	631	641						
BL	Fluid-Inertial	1440.0	1440.0	1440.0	42.5	-26.3	2.5	1.40	F	631	641						
BB	Fluid-Drag	62.0	62.0	14.4	-63.1	-28.1	1.0	.70	F	611							
BB	Fluid-Inertial	151.3	151.3	151.3	-63.1	-28.1	1.0	1.45	F	611							
BB	Fluid-Drag	62.0	62.0	14.4	-22.5	-28.1	1.0	.70	F	621							
BB	Fluid-Inertial	151.3	151.3	151.3	-22.5	-28.1	1.0	1.45	F	621							
BB	Fluid-Drag	62.0	62.0	14.4	-63.1	-28.1	1.0	.70	F	651							
BB	Fluid-Inertial	151.3	151.3	151.3	-63.1	-28.1	1.0	1.45	F	651							
BB	Fluid-Drag	62.0	62.0	14.4	-22.5	-28.1	1.0	.70	F	661							
BB	Fluid-Inertial	151.3	151.3	151.3	-22.5	-28.1	1.0	1.45	F	661							
BB	Fluid-Drag	62.0	62.0	14.4	22.5	-28.1	1.0	.70	F	671							
BB	Fluid-Inertial	151.3	151.3	151.3	22.5	-28.1	1.0	1.45	F	671							
BB	Fluid-Drag	62.0	62.0	14.4	63.1	-28.1	1.0	.70	F	681							
BB	Fluid-Inertial	151.3	151.3	151.3	63.1	-28.1	1.0	1.45	F	681							
W1	Wind-Drag	672.0	1792.0	.0	.0	.0	47.0	1.00	F	19	20	24	25				
W2	Wind-Drag	642.0	1713.0	.0	.0	.0	60.7	1.00	F	83	84	87	88				
DD	Fluid-Drag	.0	.0	450.0	-52.5	-11.3	41.0	1.00	F	18	27	41	44				
DD	Fluid-Drag	.0	.0	450.0	-52.5	11.3	41.0	1.00	F	23	27	43	44				
DD	Fluid-Drag	.0	.0	450.0	52.5	-11.3	41.0	1.00	F	21	30	66	71				
DD	Fluid-Drag	.0	.0	450.0	52.5	11.3	41.0	1.00	F	26	30	69	71				
DD	Fluid-Drag	.0	.0	450.0	-32.5	-11.3	41.0	1.00	F	19	28	41	44				
DD	Fluid-Drag	.0	.0	450.0	-32.5	11.3	41.0	1.00	F	24	28	43	44				
DD	Fluid-Drag	.0	.0	450.0	32.5	-11.3	41.0	1.00	F	20	29	66	71				
DD	Fluid-Drag	.0	.0	450.0	32.5	11.3	41.0	1.00	F	25	29	69	71				
DD	Fluid-Drag	.0	.0	506.3	-11.3	-11.3	41.0	1.00	F	19	28	36	38				
DD	Fluid-Drag	.0	.0	506.3	-11.3	11.3	41.0	1.00	F	24	28	37	38				
DD	Fluid-Drag	.0	.0	506.3	11.3	-11.3	41.0	1.00	F	20	29	36	38				
DD	Fluid-Drag	.0	.0	506.3	11.3	11.3	41.0	1.00	F	25	29	37	38				
DD	Fluid-Drag	.0	.0	523.4	-13.1	-32.5	41.0	1.00	F	19	31	36	39				
DD	Fluid-Drag	.0	.0	523.4	-13.1	32.5	41.0	1.00	F	24	34	37	40				
DD	Fluid-Drag	.0	.0	516.6	13.1	-32.5	41.0	1.00	F	20	33	36	39				
DD	Fluid-Drag	.0	.0	516.6	13.1	32.5	41.0	1.00	F	25	35	37	40				

*** UAGA Member Property Summary ***

Member		Group	Section		Area		Diameter		Matl.	Flood	Marine	Drag And Mass Coefficients					
JA	JB	Label	Type	Length	Const.	Displ.	Y	Z	Density		Growth	Cdy	Cdx	Cwy	Cwz	Cdt	Cwt
				(Ft)	/--- (In^2) ---/		/--- (In) ---/		(PCF)								
511	621	165	TUB	42.32	24.35	201.06	20.00	20.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
511	621	165	TUB	12.90	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
521	631	165	TUB	42.81	24.35	201.06	20.00	20.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
521	631	165	TUB	13.05	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
531	641	165	TUB	40.28	24.35	201.06	20.00	20.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
531	641	165	TUB	12.28	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
561	651	165	TUB	40.28	24.35	201.06	20.00	20.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
561	651	165	TUB	12.28	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
571	661	165	TUB	42.81	24.35	201.06	20.00	20.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
571	661	165	TUB	13.05	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
581	671	165	TUB	42.32	24.35	201.06	20.00	20.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
581	671	165	TUB	12.90	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
321	431	185	TUB	63.28	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
451	561	185	TUB	1.50	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
451	561	185	TUB	60.57	27.49	254.47	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
461	571	185	TUB	1.44	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
461	571	185	TUB	58.23	27.49	254.47	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
471	581	185	TUB	1.42	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
471	581	185	TUB	57.64	27.49	254.47	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
371	461	185	TUB	63.28	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
421	511	185	TUB	1.42	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
421	511	185	TUB	57.64	27.49	254.47	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
431	521	185	TUB	1.44	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
431	521	185	TUB	58.23	27.49	254.47	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
441	531	185	TUB	1.50	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
441	531	185	TUB	60.57	27.49	254.47	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
331	441	203	TUB	65.55	23.12	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
361	451	203	TUB	65.55	23.12	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
253	201	205	TUB	26.21	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
311	421	205	TUB	68.89	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
231	321	205	TUB	67.08	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
346	304	205	TUB	25.26	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
261	371	205	TUB	67.08	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
421	561	205	TUB	1.66	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
421	561	205	TUB	67.33	30.63	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
441	581	205	TUB	1.67	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
441	581	205	TUB	67.46	30.63	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
451	511	205	TUB	1.67	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
451	511	205	TUB	67.46	30.63	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
381	471	205	TUB	68.89	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
471	531	205	TUB	1.66	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
471	531	205	TUB	67.33	30.63	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
511	651	205	TUB	45.63	30.63	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
511	651	205	TUB	13.91	30.63	314.16	20.00	20.00	490.0	NO	NO	.65	.65	1.40	1.40	.00	.00
531	671	205	TUB	45.55	30.63	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
531	671	205	TUB	13.89	30.63	314.16	20.00	20.00	490.0	NO	NO	.65	.65	1.40	1.40	.00	.00
561	621	205	TUB	45.55	30.63	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00

*** WAGA Member Property Summary ***

Member		Group	Section	Areas		Diameters		Matl.	Flood	Marine	Drag And Mass Coefficients						
JA	JB	Label	Type	Length	Const.	Displ.	Y	Z	Density	Growth	Cdy	Cdz	Cey	Cez	Cdt	Cnt	
				(Ft)	(In ²)		(In)		(PCF)								
561	621	205	TUB	13.89	30.63	314.16	20.00	20.00	490.0	NO	NO	.65	.65	1.40	1.40	.00	.00
581	641	205	TUB	45.63	30.63	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
581	641	205	TUB	13.91	30.63	314.16	20.00	20.00	490.0	NO	NO	.65	.65	1.40	1.40	.00	.00
145	251	243	TUB	69.55	27.83	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
146	231	243	TUB	69.31	27.83	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
146	271	243	TUB	69.31	27.83	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
155	221	243	TUB	69.31	27.83	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
155	261	243	TUB	69.31	27.83	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
201	321	243	TUB	40.85	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
145	211	243	TUB	69.55	27.83	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
231	204	243	TUB	49.27	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
148	241	243	TUB	69.55	27.83	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
148	281	243	TUB	69.55	27.83	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
251	361	243	TUB	76.08	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
304	431	243	TUB	35.87	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
221	311	243	TUB	72.39	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
311	451	243	TUB	79.18	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
321	301	243	TUB	43.37	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
241	331	243	TUB	76.08	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
271	381	243	TUB	72.39	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
381	441	243	TUB	79.18	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
201	343	245	TUB	25.88	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
202	201	245	TUB	35.45	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
203	204	245	TUB	40.60	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
301	343	245	TUB	23.37	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
301	421	245	TUB	39.52	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
302	301	245	TUB	35.45	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
303	304	245	TUB	30.80	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
331	304	245	TUB	39.52	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
304	471	245	TUB	39.52	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
361	301	245	TUB	39.52	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
131	241	263	TUB	79.95	30.19	530.93	28.00	28.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
161	251	263	TUB	79.95	30.19	530.93	28.00	28.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
111	221	265	TUB	84.02	40.06	530.93	28.00	28.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
121	231	265	TUB	71.43	40.06	530.93	28.00	28.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
171	261	265	TUB	71.43	40.06	530.93	28.00	28.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
181	271	265	TUB	84.02	40.06	530.93	28.00	28.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
271	204	265	TUB	44.96	40.06	530.93	29.00	29.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
204	331	265	TUB	44.96	40.06	530.93	29.00	29.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
221	201	265	TUB	44.96	40.06	530.93	29.00	29.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
201	361	265	TUB	44.96	40.06	530.93	29.00	29.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
241	381	265	TUB	90.08	40.06	530.93	29.00	29.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
251	311	265	TUB	90.08	40.06	530.93	29.00	29.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
200	300	CH1	TUB	57.00	854.90	855.30	33.00	33.00	490.0	NO	NO	9.20	9.20	7.60	7.60	.00	.00
300	500	CH2	TUB	98.00	442.90	683.50	29.50	29.50	490.0	NO	NO	10.30	10.30	9.50	9.50	.00	.00
500	700	CH2	TUB	77.39	442.90	683.50	29.50	29.50	490.0	NO	NO	10.30	10.30	9.50	9.50	.00	.00
700	900	CH2	TUB	9.61	442.90	683.50	29.50	29.50	490.0	NO	NO	10.30	10.30	9.50	9.50	.00	.00

*** UAGA Member Property Summary ***

Member		Group	Section	Area	Diameters		Matl.	Flood	Marine	Drag And Mass Coefficients							
JA	JB	Label	Type	Length	Const.	Displ.	Y	Z	Density	Growth	Cdy	Cdx	Cmy	Ccz	Cdt	Cwt	
				(Ft)	(In^2)		(In)		(PCF)								
123	155	J08	TUB	18.89	12.76	58.43	10.63	10.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
124	146	J08	TUB	18.89	12.76	58.43	10.63	10.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
144	146	J08	TUB	12.92	12.76	58.43	10.63	10.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
146	164	J08	TUB	18.89	12.76	58.43	10.63	10.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
155	143	J08	TUB	12.92	12.76	58.43	10.63	10.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
155	163	J08	TUB	18.89	12.76	58.43	10.63	10.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
123	101	J11	TUB	47.27	19.24	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
124	102	J11	TUB	47.27	19.24	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
163	103	J11	TUB	47.27	19.24	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
164	104	J11	TUB	47.27	19.24	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
123	124	J12	TUB	19.17	26.04	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
163	164	J12	TUB	19.17	26.04	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
121	123	J16	TUB	34.99	24.35	201.06	18.00	18.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
123	125	J16	TUB	33.90	24.35	201.06	18.00	18.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
124	131	J16	TUB	34.99	24.35	201.06	18.00	18.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
125	124	J16	TUB	33.90	24.35	201.06	18.00	18.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
161	163	J16	TUB	34.99	24.35	201.06	18.00	18.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
163	165	J16	TUB	33.90	24.35	201.06	18.00	18.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
164	171	J16	TUB	34.99	24.35	201.06	18.00	18.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
165	164	J16	TUB	33.90	24.35	201.06	18.00	18.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
111	115	J20	TUB	33.40	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
115	121	J20	TUB	30.41	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
121	125	J20	TUB	22.50	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
123	143	J20	TUB	13.78	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
124	144	J20	TUB	13.78	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
125	131	J20	TUB	22.50	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
131	135	J20	TUB	30.41	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
135	141	J20	TUB	33.40	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
143	163	J20	TUB	13.78	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
144	164	J20	TUB	13.78	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
151	159	J20	TUB	33.40	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
159	161	J20	TUB	30.41	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
161	165	J20	TUB	22.50	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
165	171	J20	TUB	22.50	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
171	175	J20	TUB	30.41	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
175	181	J20	TUB	33.40	48.95	314.16	22.00	22.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
111	145	J24	TUB	46.30	50.32	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
121	155	J24	TUB	46.30	50.32	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
131	146	J24	TUB	46.30	50.32	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
141	148	J24	TUB	46.30	50.32	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
145	151	J24	TUB	46.30	50.32	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
146	171	J24	TUB	46.30	50.32	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
148	181	J24	TUB	46.30	50.32	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
155	161	J24	TUB	46.30	50.32	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
121	145	J25	TUB	78.83	36.91	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
145	161	J25	TUB	78.83	36.91	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
148	131	J25	TUB	78.83	36.91	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00

*** UAGA Member Property Summary ***

Member		Group	Section	Area	Diameters		Mati.	Flood	Marine	Drag And Mass Coefficients							
JA	JB	Label	Type	Length	Const.	Displ.	Y	Z	Density	Growth	Cdy	Cdx	Cwy	Cwz	Cdt	Cwt	
				(Ft)	(In ²)		(In)		(PCF)	/-----/							
171	148	J25	TUB	78.83	36.91	452.39	26.00	26.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
223	254	K08	TUB	18.89	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
224	255	K08	TUB	18.89	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
244	255	K08	TUB	12.92	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
254	243	K08	TUB	12.92	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
254	263	K08	TUB	18.89	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
255	264	K08	TUB	18.89	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
221	225	K11	TUB	22.50	19.24	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
225	231	K11	TUB	22.50	19.24	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
261	265	K11	TUB	22.50	19.24	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
265	271	K11	TUB	22.50	19.24	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
223	224	K12	TUB	19.17	26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
263	264	K12	TUB	19.17	26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
221	223	K13	TUB	29.77	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
223	205	K13	TUB	40.43	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
223	225	K13	TUB	28.48	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
224	206	K13	TUB	40.43	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
224	231	K13	TUB	29.77	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
225	224	K13	TUB	28.48	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
261	263	K13	TUB	29.77	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
263	207	K13	TUB	40.43	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
263	265	K13	TUB	28.48	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
264	208	K13	TUB	40.43	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
264	271	K13	TUB	29.77	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
265	264	K13	TUB	28.48	14.58	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
211	221	K18	TUB	58.10	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
271	281	K18	TUB	58.10	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
223	243	K20	TUB	13.78	48.95	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
224	244	K20	TUB	13.78	48.95	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
243	263	K20	TUB	13.78	48.95	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
244	264	K20	TUB	13.78	48.95	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
211	251	K24	TUB	81.20	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
221	251	K24	TUB	99.85	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
221	253	K24	TUB	33.13	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
231	255	K24	TUB	40.60	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
241	271	K24	TUB	99.85	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
241	281	K24	TUB	81.20	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
253	254	K24	TUB	7.47	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
254	261	K24	TUB	40.60	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
255	271	K24	TUB	40.60	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
331	346	L20	TUB	43.00	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
346	371	L20	TUB	27.90	30.63	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
311	361	L24	TUB	88.49	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
331	381	L24	TUB	88.49	27.83	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
321	343	L25	TUB	35.45	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
343	361	L25	TUB	35.45	36.91	452.39	27.00	27.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
111	211	L62	TUB	5.00	141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00

*** UAGA Member Property Summary ***

JA	JB	Group Label Type	---Section---		----Areas----		Diameters /		Matl. Density	Flood	Marine Growth	/ Drag And Mass Coefficients /					
			Length (Ft)		Const. (In^2)	Displ. (In)	Y (In)	Z (In)				Cdy	Cdx	Cdy	Cxz	Cdt	Cwt
111	211	LG2 TUB	47.57		71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
111	211	LG2 TUB	5.00		141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
141	241	LG2 TUB	5.00		141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
141	241	LG2 TUB	47.57		71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
141	241	LG2 TUB	5.00		141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
151	251	LG2 TUB	5.00		141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
151	251	LG2 TUB	47.57		71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
151	251	LG2 TUB	5.00		141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
181	281	LG2 TUB	5.00		141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
181	281	LG2 TUB	47.57		71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
181	281	LG2 TUB	5.00		141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
211	311	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
211	311	LG2 TUB	42.01		71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
211	311	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
281	381	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
281	381	LG2 TUB	42.01		71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
281	381	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
311	411	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
311	411	LG2 TUB	36.96		71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
311	411	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
361	461	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
361	461	LG2 TUB	36.73		71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
361	461	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
371	471	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
371	471	LG2 TUB	36.73		71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
371	471	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
381	481	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
381	481	LG2 TUB	36.96		71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
381	481	LG2 TUB	5.00		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
411	511	LG2 TUB	1.01		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
411	511	LG2 TUB	3.99		141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
411	511	LG2 TUB	31.91		71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
411	511	LG2 TUB	5.00		141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
481	581	LG2 TUB	1.01		141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
481	581	LG2 TUB	3.99		141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
481	581	LG2 TUB	31.91		71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
481	581	LG2 TUB	5.00		141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
511	611	LG2 TUB	5.00		141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
511	611	LG2 TUB	22.77		71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
511	611	LG2 TUB	3.47		71.47	71.47	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
511	611	LG2 TUB	5.00		141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
581	681	LG2 TUB	5.00		141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
581	681	LG2 TUB	22.77		71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
581	681	LG2 TUB	3.47		71.47	71.47	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
581	681	LG2 TUB	5.00		141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
121	101	LG3 TUB	5.00		141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
121	101	LG3 TUB	30.17		71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00

*** UAGA Member Property Summary ***

Member JA	Group JB	Section		Area		Diameter		Matl. Density (PCF)	Flood	Marine Growth	Drag And Mass Coefficients						
		Label	Type	Length (Ft)	Const. (In ²)	Displ. (In ²)	Y (In)				Z (In)	Cdy	Cdx	Cwy	Cwz	Cdt	Cct
131	102	LG3	TUB	5.00	141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
131	102	LG3	TUB	30.17	71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
161	103	LG3	TUB	5.00	141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
161	103	LG3	TUB	30.17	71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
171	104	LG3	TUB	5.00	141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
171	104	LG3	TUB	30.17	71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
241	341	LG3	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
241	341	LG3	TUB	47.01	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
251	351	LG3	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
251	351	LG3	TUB	47.01	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
261	207	LG3	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
261	207	LG3	TUB	25.15	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
271	208	LG3	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
271	208	LG3	TUB	25.15	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
321	302	LG3	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
321	302	LG3	TUB	18.37	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
331	303	LG3	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
331	303	LG3	TUB	18.37	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
421	507	LG3	TUB	1.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
421	507	LG3	TUB	4.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
421	507	LG3	TUB	17.11	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
431	506	LG3	TUB	1.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
431	506	LG3	TUB	4.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
431	506	LG3	TUB	17.11	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
441	541	LG3	TUB	1.01	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
441	541	LG3	TUB	3.99	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
441	541	LG3	TUB	36.91	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
451	551	LG3	TUB	1.01	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
451	551	LG3	TUB	3.99	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
451	551	LG3	TUB	36.91	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
461	508	LG3	TUB	1.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
461	508	LG3	TUB	4.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
461	508	LG3	TUB	17.11	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
471	505	LG3	TUB	1.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
471	505	LG3	TUB	4.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
471	505	LG3	TUB	17.11	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
521	503	LG3	TUB	5.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
521	503	LG3	TUB	11.92	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
531	502	LG3	TUB	5.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
531	502	LG3	TUB	11.92	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
561	504	LG3	TUB	5.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
561	504	LG3	TUB	11.92	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
571	501	LG3	TUB	5.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
571	501	LG3	TUB	11.92	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
101	221	LG4	TUB	17.11	71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
101	221	LG4	TUB	5.00	141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
102	231	LG4	TUB	17.11	71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00

*** UAGA Member Property Summary ***

Member	Group	---Section---		---Areas---		Diameters /		Matl. Density	Flood	Marine Growth	Drag And Mass Coefficients /						
		JA	JB	Label	Type	Length (Ft)	Const. (In ²)				Displ. (In)	Y	Z	Cdx	Cdz	Cey	Cez	Cdt	Cwt
102	231	LG4	TUB	5.00	141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
103	261	LG4	TUB	17.11	71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
103	261	LG4	TUB	5.00	141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
104	271	LG4	TUB	17.11	71.47	71.47	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
104	271	LG4	TUB	5.00	141.37	141.37	48.00	48.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
207	361	LG4	TUB	16.61	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
207	361	LG4	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
208	371	LG4	TUB	16.61	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
208	371	LG4	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
302	421	LG4	TUB	18.37	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
302	421	LG4	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
303	431	LG4	TUB	18.37	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
303	431	LG4	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
341	441	LG4	TUB	41.96	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
341	441	LG4	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
351	451	LG4	TUB	41.96	71.47	71.47	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
351	451	LG4	TUB	5.00	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
501	671	LG4	TUB	10.72	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
501	671	LG4	TUB	3.43	71.47	71.47	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
501	671	LG4	TUB	5.00	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
502	631	LG4	TUB	10.72	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
502	631	LG4	TUB	3.43	71.47	71.47	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
502	631	LG4	TUB	5.00	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
503	621	LG4	TUB	10.72	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
503	621	LG4	TUB	3.43	71.47	71.47	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
503	621	LG4	TUB	5.00	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
504	661	LG4	TUB	10.72	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
504	661	LG4	TUB	3.43	71.47	71.47	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
504	661	LG4	TUB	5.00	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
505	571	LG4	TUB	14.60	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
505	571	LG4	TUB	5.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
506	531	LG4	TUB	14.60	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
506	531	LG4	TUB	5.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
507	521	LG4	TUB	14.60	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
507	521	LG4	TUB	5.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
508	561	LG4	TUB	14.60	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
508	561	LG4	TUB	5.00	141.37	141.37	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
541	641	LG4	TUB	27.77	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
541	641	LG4	TUB	3.47	71.47	71.47	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
541	641	LG4	TUB	5.00	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
551	651	LG4	TUB	27.77	71.47	71.47	50.00	50.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
551	651	LG4	TUB	3.47	71.47	71.47	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
551	651	LG4	TUB	5.00	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
202	205	LG7	TUB	4.27	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
205	321	LG7	TUB	21.61	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
203	206	LG7	TUB	4.27	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
206	331	LG7	TUB	21.61	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00

*** UAGA Member Property Summary ***

Member JA	Group JB	---Section---		---Area---		Diameters		Matl. Density (PCF)	Flood	Marine Growth	Drag And Mass Coefficients						
		Label	Type	Length (Ft)	Const. (In ²)	Displ. (In ²)	Y (In)				Z (In)	Cdy	Cdx	Cey	Cex	Cdt	Cwt
221	202	LG7	TUB	25.88	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
231	203	LG7	TUB	25.88	141.37	141.37	49.00	49.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
611	712	LG7	TUB	2.64	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
621	722	LG7	TUB	2.63	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
631	732	LG7	TUB	2.63	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
641	742	LG7	TUB	2.64	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
651	752	LG7	TUB	2.64	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
661	762	LG7	TUB	2.63	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
671	772	LG7	TUB	2.63	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
681	782	LG7	TUB	2.64	141.37	141.37	46.00	46.00	490.0	YES	NO	.72	.72	1.45	1.45	.00	.00
121	101	SKD	TUB	35.17	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
101	221	SKD	TUB	22.11	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
221	202	SKD	TUB	25.88	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
202	321	SKD	TUB	25.88	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
321	302	SKD	TUB	23.37	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
302	421	SKD	TUB	23.37	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
421	507	SKD	TUB	22.11	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
507	521	SKD	TUB	19.60	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
521	503	SKD	TUB	16.92	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
131	102	SKD	TUB	35.17	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
102	231	SKD	TUB	22.11	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
231	203	SKD	TUB	25.88	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
203	331	SKD	TUB	25.88	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
331	303	SKD	TUB	23.37	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
303	431	SKD	TUB	23.37	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
431	506	SKD	TUB	22.11	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
506	531	SKD	TUB	19.60	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
531	502	SKD	TUB	16.92	19.24	19.24	12.75	12.75	490.0	YES	NO	4.00	4.00	1.40	1.40	.00	.00
424	446	M08	TUB	18.89	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
443	423	M08	TUB	18.89	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
443	463	M08	TUB	18.89	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
446	464	M08	TUB	18.89	8.40	58.43	11.63	11.63	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
423	507	M09	TUB	1.34	12.22	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
423	507	M09	TUB	28.16	12.22	90.76	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
424	506	M09	TUB	1.34	12.22	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
424	506	M09	TUB	28.16	12.22	90.76	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
463	508	M09	TUB	1.34	12.22	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
463	508	M09	TUB	28.16	12.22	90.76	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
464	505	M09	TUB	1.34	12.22	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
464	505	M09	TUB	28.16	12.22	90.76	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
421	423	M10	TUB	21.37	11.91	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
423	425	M10	TUB	19.53	11.91	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
424	431	M10	TUB	21.37	11.91	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
425	424	M10	TUB	19.53	11.91	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
461	463	M10	TUB	21.37	11.91	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
463	465	M10	TUB	19.53	11.91	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
464	471	M10	TUB	21.37	11.91	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00

*** WAGA Member Property Summary ***

Member		Group /---Section---		Area		Diameters		Matl.	Flood	Marine	Drag And Mass Coefficients /						
JA	JB	Label	Type	Length	Const.	Diapl.	V	Z	Density	Growth	Cdy	Cdx	Cwy	Cwz	Cdt	Cdt	
				(Ft)	--- (In^2) ---		--- (In) ---		(PCF)	-----							
465	464	M10	TUB	19.53	11.91	90.76	13.75	13.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
421	425	M11	TUB	22.50	19.24	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
425	431	M11	TUB	22.50	19.24	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
461	465	M11	TUB	22.50	19.24	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
465	471	M11	TUB	22.50	19.24	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
423	424	M12	TUB	19.17	26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
463	464	M12	TUB	19.17	26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
411	421	M14	TUB	48.30	16.05	153.94	17.00	17.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
471	481	M14	TUB	48.30	16.05	153.94	17.00	17.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
411	451	M18	TUB	61.60	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
421	443	M18	TUB	30.80	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
431	446	M18	TUB	30.80	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
441	481	M18	TUB	61.60	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
443	461	M18	TUB	30.80	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
446	471	M18	TUB	30.80	27.49	254.47	21.00	21.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
421	451	M20	TUB	78.28	23.12	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
441	471	M20	TUB	78.28	23.12	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
463	423	M21	TUB	27.56	48.95	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
464	424	M21	TUB	27.56	48.95	314.16	23.00	23.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
521	561	N16	TUB	53.30	18.41	201.06	20.00	20.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
531	571	N16	TUB	53.30	18.41	201.06	20.00	20.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
511	561	N20	TUB	69.21	23.12	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
531	581	N20	TUB	69.21	23.12	314.16	24.00	24.00	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
626	643	P08	TUB	16.25	8.40	58.43	8.63	8.63	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
628	646	P08	TUB	16.25	8.40	58.43	8.63	8.63	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
643	666	P08	TUB	16.25	8.40	58.43	8.63	8.63	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
646	668	P08	TUB	16.25	8.40	58.43	8.63	8.63	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
621	626	P10	TUB	18.37	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
623	625	P10	TUB	13.19	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
625	624	P10	TUB	13.19	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
626	503	P10	TUB	12.05	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
626	503	P10	TUB	15.39	11.91	90.76	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
628	502	P10	TUB	12.05	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
628	502	P10	TUB	15.39	11.91	90.76	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
631	628	P10	TUB	18.37	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
663	665	P10	TUB	13.19	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
665	664	P10	TUB	13.19	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
666	504	P10	TUB	12.05	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
666	504	P10	TUB	15.39	11.91	90.76	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
666	661	P10	TUB	18.37	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
668	501	P10	TUB	12.05	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
668	501	P10	TUB	15.39	11.91	90.76	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
668	671	P10	TUB	18.37	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
611	621	P12	TUB	40.56	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
621	625	P12	TUB	22.50	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
625	631	P12	TUB	22.50	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
631	641	P12	TUB	40.56	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00

*** WAGA Member Property Summary ***

Member	Group	Section	Area	Diameters	Matl.	Flood	Marine	Drag And Mass Coefficients
JA	JB	Label Type	Length	Const. Displ.	Y Z	Density	Growth	Cdy Cdz Cwy Cwz Cdt Cwt
		(Ft)	(In ²)	(In)	(PCF)			
651	661	P12 TUB	40.56	19.24 127.68	12.75 12.75	490.0	NO	.61 .61 1.39 1.39 .00 .00
661	665	P12 TUB	22.50	19.24 127.68	12.75 12.75	490.0	NO	.61 .61 1.39 1.39 .00 .00
665	671	P12 TUB	22.50	19.24 127.68	12.75 12.75	490.0	NO	.61 .61 1.39 1.39 .00 .00
671	681	P12 TUB	40.56	19.24 127.68	12.75 12.75	490.0	NO	.61 .61 1.39 1.39 .00 .00
611	651	P14 TUB	46.13	21.21 153.94	14.00 14.00	490.0	NO	.62 .62 1.39 1.39 .00 .00
621	643	P14 TUB	23.06	21.21 153.94	14.00 14.00	490.0	NO	.62 .62 1.39 1.39 .00 .00
631	646	P14 TUB	23.06	21.21 153.94	14.00 14.00	490.0	NO	.62 .62 1.39 1.39 .00 .00
641	681	P14 TUB	46.13	21.21 153.94	14.00 14.00	490.0	NO	.62 .62 1.39 1.39 .00 .00
643	661	P14 TUB	23.06	21.21 153.94	14.00 14.00	490.0	NO	.62 .62 1.39 1.39 .00 .00
646	671	P14 TUB	23.06	21.21 153.94	14.00 14.00	490.0	NO	.62 .62 1.39 1.39 .00 .00
623	624	P16 TUB	19.29	24.35 201.06	16.00 16.00	490.0	NO	.63 .63 1.39 1.39 .00 .00
626	628	P16 TUB	19.29	24.35 201.06	16.00 16.00	490.0	NO	.63 .63 1.39 1.39 .00 .00
663	664	P16 TUB	19.29	24.35 201.06	16.00 16.00	490.0	NO	.63 .63 1.39 1.39 .00 .00
666	668	P16 TUB	19.29	24.35 201.06	16.00 16.00	490.0	NO	.63 .63 1.39 1.39 .00 .00
621	651	P18 TUB	61.43	20.76 254.47	18.00 18.00	490.0	NO	.64 .64 1.39 1.39 .00 .00
641	671	P18 TUB	61.43	20.76 254.47	18.00 18.00	490.0	NO	.64 .64 1.39 1.39 .00 .00
623	626	P21 TUB	4.13	48.95 314.16	20.00 20.00	490.0	NO	.65 .65 1.40 1.40 .00 .00
624	628	P21 TUB	4.13	48.95 314.16	20.00 20.00	490.0	NO	.65 .65 1.40 1.40 .00 .00
626	666	P21 TUB	19.88	48.95 314.16	20.00 20.00	490.0	NO	.65 .65 1.40 1.40 .00 .00
628	668	P21 TUB	19.88	48.95 314.16	20.00 20.00	490.0	NO	.65 .65 1.40 1.40 .00 .00
666	663	P21 TUB	4.13	48.95 314.16	20.00 20.00	490.0	NO	.65 .65 1.40 1.40 .00 .00
668	664	P21 TUB	4.13	48.95 314.16	20.00 20.00	490.0	NO	.65 .65 1.40 1.40 .00 .00
112	212	PL2 TUB	27.30	221.29 221.29	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
112	212	PL2 TUB	20.00	190.85 190.85	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
112	212	PL2 TUB	10.27	160.02 160.02	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
122	222	PL2 TUB	27.30	221.29 221.29	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
122	222	PL2 TUB	20.00	190.85 190.85	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
122	222	PL2 TUB	9.98	160.02 160.02	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
132	232	PL2 TUB	27.30	221.29 221.29	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
132	232	PL2 TUB	20.00	190.85 190.85	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
132	232	PL2 TUB	9.98	160.02 160.02	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
142	242	PL2 TUB	27.30	221.29 221.29	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
142	242	PL2 TUB	20.00	190.85 190.85	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
142	242	PL2 TUB	10.27	160.02 160.02	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
152	252	PL2 TUB	27.30	221.29 221.29	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
152	252	PL2 TUB	20.00	190.85 190.85	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
152	252	PL2 TUB	10.27	160.02 160.02	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
162	262	PL2 TUB	27.30	221.29 221.29	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
162	262	PL2 TUB	20.00	190.85 190.85	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
162	262	PL2 TUB	9.98	160.02 160.02	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
172	272	PL2 TUB	27.30	221.29 221.29	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
172	272	PL2 TUB	20.00	190.85 190.85	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
172	272	PL2 TUB	9.98	160.02 160.02	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
182	282	PL2 TUB	27.30	221.29 221.29	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
182	282	PL2 TUB	20.00	190.85 190.85	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
182	282	PL2 TUB	10.27	160.02 160.02	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00
212	312	PL3 TUB	4.80	160.02 160.02	.00 .00	490.0	YES	.00 .00 .00 .00 .00 .00

*** UAGA Member Property Summary ***

JA	JB	Group Label	Section Type	Length (Ft)	Area		Diameters		Matl. Density (PCF)	Flood	Marine Growth	Drag And Mass Coefficients					
					Const. (In^2)	Displ. (In)	Y	Z				Cdy	Cdx	Cwy	Cwz	Cdt	Cwt
212	312	PL3	TUB	47.21	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
222	322	PL3	TUB	4.80	160.02	160.02	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
222	322	PL3	TUB	46.96	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
232	332	PL3	TUB	4.80	160.02	160.02	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
232	332	PL3	TUB	46.96	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
242	342	PL3	TUB	4.80	160.02	160.02	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
242	342	PL3	TUB	47.21	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
252	352	PL3	TUB	4.80	160.02	160.02	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
252	352	PL3	TUB	47.21	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
262	362	PL3	TUB	4.80	160.02	160.02	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
262	362	PL3	TUB	46.96	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
272	372	PL3	TUB	4.80	160.02	160.02	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
272	372	PL3	TUB	46.96	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
282	382	PL3	TUB	4.80	160.02	160.02	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
282	382	PL3	TUB	47.21	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
312	412	PL4	TUB	46.96	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
322	422	PL4	TUB	46.73	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
332	432	PL4	TUB	46.73	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
342	442	PL4	TUB	46.96	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
352	452	PL4	TUB	46.96	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
362	462	PL4	TUB	46.73	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
372	472	PL4	TUB	46.73	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
382	482	PL4	TUB	46.96	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
412	512	PL5	TUB	41.91	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
422	522	PL5	TUB	41.71	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
432	532	PL5	TUB	41.71	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
442	542	PL5	TUB	41.91	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
452	552	PL5	TUB	41.91	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
462	562	PL5	TUB	41.71	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
472	572	PL5	TUB	41.71	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
482	582	PL5	TUB	41.91	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
512	612	PL6	TUB	36.24	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
522	622	PL6	TUB	36.06	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
532	632	PL6	TUB	36.06	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
542	642	PL6	TUB	36.24	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
552	652	PL6	TUB	36.24	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
562	662	PL6	TUB	36.06	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
572	672	PL6	TUB	36.06	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
582	682	PL6	TUB	36.24	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
612	712	PL7	TUB	2.64	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
622	722	PL7	TUB	2.63	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
632	732	PL7	TUB	2.63	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
642	742	PL7	TUB	2.64	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
652	752	PL7	TUB	2.64	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
662	762	PL7	TUB	2.63	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
672	772	PL7	TUB	2.63	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00
682	782	PL7	TUB	2.64	128.81	128.81	.00	.00	490.0	YES	NO	.00	.00	.00	.00	.00	.00

*** WAGA Member Property Summary ***

JA	JB	Group Label	Type	Section		Areas		Diameters		Matl. Density	Flood	Marine Growth	Drag And Mass Coefficients					
				Length (Ft)		Const. (In ²)	Displ. (In)	Y (In)	Z (In)				Cdy	Cdx	Cdy	Cdz	Cdt	Cwt
712	811	PLB	TUB	3.03		128.81	128.81	42.00	42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
722	821	PLB	TUB	3.02		128.81	128.81	42.00	42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
732	831	PLB	TUB	3.02		128.81	128.81	42.00	42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
742	841	PLB	TUB	3.03		128.81	128.81	42.00	42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
752	851	PLB	TUB	3.03		128.81	128.81	42.00	42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
752	861	PLB	TUB	3.02		128.81	128.81	42.00	42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
772	871	PLB	TUB	3.02		128.81	128.81	42.00	42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
782	881	PLB	TUB	3.03		128.81	128.81	42.00	42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
123	199	SIM	TUB	16.79		26.04	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
124	199	SIM	TUB	16.79		26.04	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
199	163	SIM	TUB	16.79		26.04	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
199	164	SIM	TUB	16.79		26.04	127.68	14.75	14.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
223	299	SIM	TUB	16.79		26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
224	299	SIM	TUB	16.79		26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
299	263	SIM	TUB	16.79		26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
299	264	SIM	TUB	16.79		26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
423	499	SIM	TUB	16.79		26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
424	499	SIM	TUB	16.79		26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
463	499	SIM	TUB	16.79		26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
499	464	SIM	TUB	16.79		26.04	127.68	15.75	15.75	490.0	NO	YES	1.05	1.05	1.20	1.20	.00	.00
626	699	SIM	TUB	13.85		26.04	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
628	699	SIM	TUB	13.85		26.04	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
699	666	SIM	TUB	13.85		26.04	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
699	668	SIM	TUB	13.85		26.04	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
111	112	W.B	TUB	.50		128.81	128.81	44.00	44.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
121	122	W.B	TUB	.50		128.81	128.81	44.00	44.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
131	132	W.B	TUB	.50		128.81	128.81	44.00	44.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
141	142	W.B	TUB	.50		128.81	128.81	44.00	44.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
151	152	W.B	TUB	.50		128.81	128.81	44.00	44.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
161	162	W.B	TUB	.50		128.81	128.81	44.00	44.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
171	172	W.B	TUB	.50		128.81	128.81	44.00	44.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
181	182	W.B	TUB	.50		128.81	128.81	44.00	44.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
199	200	W.B	TUB	.50		128.81	128.81	44.00	44.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
211	212	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
221	222	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
231	232	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
241	242	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
251	252	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
261	262	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
271	272	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
281	282	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
299	300	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
411	412	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
421	422	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
431	432	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
441	442	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
451	452	W.B	TUB	.50		128.81	128.81	45.00	45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00

*** UAGA Member Property Summary ***

Member	Group	---Section---	Area	Diameter	Matl.	Flood	Marine	Drag And Mass Coefficients						
JA	JB	Label Type Length	Const. Displ.	Y Z	Density		Growth	Cdy	Cdx	Ccy	Ccz	Cdt	Cwt	
		(Ft)	--- (In^2) ---	--- (In) ---	(PCF)			-----						
461	462	W.B TUB	.50	128.81 128.81	45.00 45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
471	472	W.B TUB	.50	128.81 128.81	45.00 45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
481	482	W.B TUB	.50	128.81 128.81	45.00 45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
499	500	W.B TUB	.50	128.81 128.81	45.00 45.00	490.0	YES	YES	1.05	1.05	1.20	1.20	.00	.00
611	612	W.B TUB	.50	128.81 128.81	42.00 42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
621	622	W.B TUB	.50	128.81 128.81	42.00 42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
631	632	W.B TUB	.50	128.81 128.81	42.00 42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
641	642	W.B TUB	.50	128.81 128.81	42.00 42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
651	652	W.B TUB	.50	128.81 128.81	42.00 42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
661	662	W.B TUB	.50	128.81 128.81	42.00 42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
671	672	W.B TUB	.50	128.81 128.81	42.00 42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
681	682	W.B TUB	.50	128.81 128.81	42.00 42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
699	700	W.B TUB	.50	128.81 128.81	42.00 42.00	490.0	YES	NO	.71	.71	1.44	1.44	.00	.00
18	45	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
45	41	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
41	46	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
46	49	WF3 WF	6.33	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
49	19	WF3 WF	3.67	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
19	55	WF3 WF	11.25	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
55	36	WF3 WF	11.25	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
36	57	WF3 WF	11.25	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
57	20	WF3 WF	11.25	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
20	59	WF3 WF	3.33	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
59	65	WF3 WF	6.67	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
65	65	WF3 WF	6.67	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
65	66	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
66	67	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
67	21	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
23	47	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
47	43	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
43	48	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
48	50	WF3 WF	6.33	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
50	24	WF3 WF	3.67	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
24	56	WF3 WF	11.25	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
56	37	WF3 WF	11.25	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
37	58	WF3 WF	11.25	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
58	25	WF3 WF	11.25	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
25	60	WF3 WF	3.33	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
60	68	WF3 WF	6.67	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
68	69	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
69	70	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
70	26	WF3 WF	10.00	38.50 38.50	24.48 12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
54	34	WF6 WF	3.67	47.70 47.70	25.00 12.95	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
34	40	WF6 WF	22.50	47.70 47.70	25.00 12.95	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
40	35	WF6 WF	22.50	47.70 47.70	25.00 12.95	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
35	64	WF6 WF	3.33	47.70 47.70	25.00 12.95	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
53	31	WF6 WF	3.67	47.70 47.70	25.00 12.95	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00

*** UAGA Member Property Summary ***

Member JA	Group JB	Section		Area		Diameters		Matl. Density	Flood	Marine Growth	Drag And Mass Coefficients						
		Label	Type	Length (Ft)	Const. (In ²)	Displ. (In ²)	Y (In)				Z (In)	Cdy	Cdx	Ccy	Ccz	Cdt	Cwt
31	39	WF6	WF	22.50	47.70	47.70	25.00	12.95	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
39	33	WF6	WF	22.50	47.70	47.70	25.00	12.95	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
33	63	WF6	WF	3.33	47.70	47.70	25.00	12.95	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
18	27	WFO	WF	22.50	30.60	30.60	24.06	12.75	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
27	23	WFO	WF	22.50	30.60	30.60	24.06	12.75	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
21	30	WFO	WF	22.50	30.60	30.60	24.06	12.75	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
30	26	WFO	WF	22.50	30.60	30.60	24.06	12.75	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
53	49	WFO	WF	20.00	30.60	30.60	24.06	12.75	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
49	51	Y32	TUB	22.50	116.70	116.70	35.00	35.00	490.0	YES	NO	1.97	1.97	1.42	1.42	.00	.00
51	50	Y32	TUB	22.50	116.70	116.70	35.00	35.00	490.0	YES	NO	1.97	1.97	1.42	1.42	.00	.00
50	54	WFO	WF	20.00	30.60	30.60	24.06	12.75	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
63	59	WFO	WF	20.00	30.60	30.60	24.06	12.75	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
59	61	WF3	WF	22.50	38.50	38.50	24.48	12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
61	60	WF3	WF	22.50	38.50	38.50	24.48	12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
60	64	WFO	WF	20.00	30.60	30.60	24.06	12.75	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
20	29	WF3	WF	22.50	38.50	38.50	24.48	12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
29	25	WF3	WF	22.50	38.50	38.50	24.48	12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
19	28	WF3	WF	22.50	38.50	38.50	24.48	12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
28	24	WF3	WF	22.50	38.50	38.50	24.48	12.85	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
39	36	Y24	TUB	20.00	153.20	153.20	30.00	30.00	490.0	YES	NO	1.84	1.84	1.41	1.41	.00	.00
36	38	Y24	TUB	22.50	153.20	153.20	30.00	30.00	490.0	YES	NO	1.84	1.84	1.41	1.41	.00	.00
38	37	Y24	TUB	22.50	153.20	153.20	30.00	30.00	490.0	YES	NO	1.84	1.84	1.41	1.41	.00	.00
37	40	Y24	TUB	20.00	153.20	153.20	30.00	30.00	490.0	YES	NO	1.84	1.84	1.41	1.41	.00	.00
81	113	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
113	114	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
114	116	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
116	83	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
83	117	WF4	WF	11.25	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
117	118	WF4	WF	11.25	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
118	119	WF4	WF	11.25	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
119	84	WF4	WF	11.25	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
84	120	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
120	126	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
126	127	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
127	85	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
85	128	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
128	129	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
129	130	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
130	87	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
87	133	WF4	WF	11.25	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
133	134	WF4	WF	11.25	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
134	136	WF4	WF	11.25	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
136	88	WF4	WF	11.25	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
88	137	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
137	138	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
138	139	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00
139	89	WF4	WF	10.00	43.00	43.00	24.74	12.90	490.0	YES	NO	.67	.61	1.40	1.39	.00	.00

*** WAGA Member Property Summary ***

Member JA	Group JB	Section		Area		Diameters		Matl. Density (PCF)	Flood	Marine Growth	Drag And Mass Coefficients						
		Label Type	Length (Ft)	Const. (In ²)	Displ. (In ²)	Y (In)	Z (In)				Cdy	Cdx	Ccy	Ccx	Cdt	Cwt	
81	90	Y25	TUB	11.25	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
90	94	Y25	TUB	11.25	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
94	98	Y25	TUB	11.25	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
98	86	Y25	TUB	11.25	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
85	93	Y25	TUB	11.25	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
93	97	Y25	TUB	11.25	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
97	106	Y25	TUB	11.25	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
106	89	Y25	TUB	11.25	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
91	95	V33	TUB	11.25	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
95	99	V33	TUB	11.25	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
92	96	V33	TUB	11.25	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
96	105	V33	TUB	11.25	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
811	1	IL1	TUB	2.25	128.81	1385.44	42.00	42.00	490.0	NO	NO	.71	.71	1.44	1.44	.00	.00
811	1	IL1	TUB	2.25	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
821	2	IL1	TUB	2.25	128.81	1385.44	42.00	42.00	490.0	NO	NO	.71	.71	1.44	1.44	.00	.00
821	2	IL1	TUB	2.25	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
831	3	IL1	TUB	2.25	128.81	1385.44	42.00	42.00	490.0	NO	NO	.71	.71	1.44	1.44	.00	.00
831	3	IL1	TUB	2.25	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
841	4	IL1	TUB	2.25	128.81	1385.44	42.00	42.00	490.0	NO	NO	.71	.71	1.44	1.44	.00	.00
841	4	IL1	TUB	2.25	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
1	9	IL2	TUB	14.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
2	10	IL2	TUB	14.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
3	11	IL2	TUB	14.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
4	13	IL2	TUB	14.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
9	18	IL3	TUB	7.13	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
18	73	IL3	TUB	8.00	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
73	81	IL2	TUB	6.00	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
10	19	IL3	TUB	7.13	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
19	74	IL3	TUB	8.00	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
74	83	IL2	TUB	6.00	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
11	20	IL3	TUB	7.13	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
20	75	IL3	TUB	8.00	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
75	84	IL2	TUB	6.00	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
13	21	IL3	TUB	7.13	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
21	76	IL3	TUB	8.00	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
76	85	IL2	TUB	6.00	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
45	113	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
46	116	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
65	120	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
67	127	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
55	117	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
36	118	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
57	119	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
41	114	D16	TUB	14.00	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
41	113	D16	TUB	17.20	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
41	116	D16	TUB	17.20	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
66	126	D16	TUB	14.00	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00

*** UAGA Member Property Summary ***

JA	JB	---Section---		---Area---		Diameters /		Matl. Density	Flood	Marine Growth	Drag And Mass Coefficients /						
		Label	Type	Length (Ft)	Const. (In^2)	Displ. (In^3)	Y (In)				Z (In)	Cdy	Cdx	Cwy	Cwz	Cdt	Cwt
66	120	D16	TUB	17.20	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
66	127	D16	TUB	17.20	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
18	113	D24	TUB	17.20	54.78	452.39	24.00	24.00	490.0	NO	NO	.67	.67	1.40	1.40	.00	.00
19	116	D24	TUB	17.20	54.78	452.39	24.00	24.00	490.0	NO	NO	.67	.67	1.40	1.40	.00	.00
20	120	D24	TUB	17.20	54.78	452.39	24.00	24.00	490.0	NO	NO	.67	.67	1.40	1.40	.00	.00
21	127	D24	TUB	17.20	54.78	452.39	24.00	24.00	490.0	NO	NO	.67	.67	1.40	1.40	.00	.00
19	117	D11	TUB	17.96	16.10	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
36	117	D11	TUB	17.96	16.10	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
36	119	D11	TUB	17.96	16.10	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
20	119	D11	TUB	17.96	16.10	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
24	133	D11	TUB	17.96	16.10	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
37	133	D11	TUB	17.96	16.10	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
37	134	D11	TUB	14.00	16.10	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
37	136	D11	TUB	17.96	16.10	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
25	136	D11	TUB	17.96	16.10	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
23	128	D24	TUB	17.20	54.78	452.39	24.00	24.00	490.0	NO	NO	.67	.67	1.40	1.40	.00	.00
24	130	D24	TUB	17.20	54.78	452.39	24.00	24.00	490.0	NO	NO	.67	.67	1.40	1.40	.00	.00
25	137	D24	TUB	17.20	54.78	452.39	24.00	24.00	490.0	NO	NO	.67	.67	1.40	1.40	.00	.00
26	139	D24	TUB	17.20	54.78	452.39	24.00	24.00	490.0	NO	NO	.67	.67	1.40	1.40	.00	.00
47	128	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
48	130	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
56	133	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
58	136	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
68	137	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
70	139	D10	TUB	14.00	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
43	129	D16	TUB	14.00	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
43	128	D16	TUB	17.20	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
43	130	D16	TUB	17.20	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
69	138	D16	TUB	14.00	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
69	137	D16	TUB	17.20	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
69	139	D16	TUB	17.20	24.35	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
851	5	TL1	TUB	2.25	128.81	1385.44	42.00	42.00	490.0	NO	NO	.71	.71	1.44	1.44	.00	.00
851	5	TL1	TUB	2.25	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
861	6	TL1	TUB	2.25	128.81	1385.44	42.00	42.00	490.0	NO	NO	.71	.71	1.44	1.44	.00	.00
861	6	TL1	TUB	2.25	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
871	7	TL1	TUB	2.25	128.81	1385.44	42.00	42.00	490.0	NO	NO	.71	.71	1.44	1.44	.00	.00
871	7	TL1	TUB	2.25	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
881	8	TL1	TUB	2.25	128.81	1385.44	42.00	42.00	490.0	NO	NO	.71	.71	1.44	1.44	.00	.00
881	8	TL1	TUB	2.25	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
5	14	TL2	TUB	14.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
6	15	TL2	TUB	14.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
7	16	TL2	TUB	14.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
8	17	TL2	TUB	14.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
14	23	TL3	TUB	7.13	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
23	77	TL3	TUB	8.00	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
77	86	TL2	TUB	6.00	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
15	24	TL3	TUB	7.13	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00

*** WAGA Member Property Summary ***

Member	Group	Section	Area	Diameter	Matl.	Flood	Marine	Drag	Mass	Coefficients							
JA	JB	Label	Type	Length	Const.	Displ.	Y	Z	Density	Growth	Cdy	Cdx	Cdy	Cxz	Cdt	Cwt	
				(Ft)	/(In^2)		/(In)		(PCF)	/-----/							
24	78	IL3	TUB	8.00	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
78	87	IL2	TUB	6.00	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
16	25	IL3	TUB	7.13	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
25	79	IL3	TUB	8.00	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
79	88	IL2	TUB	6.00	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
17	26	IL3	TUB	7.13	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
26	80	IL3	TUB	8.00	136.46	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
80	89	IL2	TUB	6.00	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
18	90	D10	TUB	17.96	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
90	27	D10	TUB	17.96	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
27	98	D10	TUB	17.96	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
98	23	D10	TUB	17.96	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
27	94	D83	TUB	14.00	7.91	50.27	8.00	8.00	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
30	97	D83	TUB	14.00	7.91	50.27	8.00	8.00	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
21	93	D10	TUB	17.96	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
93	30	D10	TUB	17.96	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
30	106	D10	TUB	17.96	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
106	26	D10	TUB	17.96	11.91	90.76	10.75	10.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
33	108	D85	TUB	21.23	14.48	50.27	8.00	8.00	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
35	110	D85	TUB	21.23	14.48	50.27	8.00	8.00	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
20	108	D17	TUB	17.62	31.62	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
20	92	D17	TUB	19.87	31.62	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
25	105	D17	TUB	19.87	31.62	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
25	110	D17	TUB	17.62	31.62	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
29	96	D12	TUB	16.38	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
29	92	D12	TUB	19.87	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
29	105	D12	TUB	19.87	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
28	95	D12	TUB	16.38	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
28	91	D12	TUB	19.87	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
28	99	D12	TUB	19.87	19.24	127.68	12.75	12.75	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
19	91	D17	TUB	19.87	31.62	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
24	99	D17	TUB	19.87	31.62	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
19	107	D17	TUB	17.62	31.62	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
24	109	D17	TUB	17.62	31.62	201.06	16.00	16.00	490.0	NO	NO	.63	.63	1.39	1.39	.00	.00
31	107	D85	TUB	21.23	14.48	50.27	8.00	8.00	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
34	109	D85	TUB	21.23	14.48	50.27	8.00	8.00	490.0	NO	NO	.61	.61	1.39	1.39	.00	.00
107	140	V33	TUB	6.50	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
140	91	V33	TUB	11.25	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
83	140	IL2	TUB	2.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
87	147	IL2	TUB	2.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
99	147	V33	TUB	11.25	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
147	109	V33	TUB	6.50	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
108	149	V33	TUB	6.50	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
149	92	V33	TUB	11.25	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
105	150	V33	TUB	11.25	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
150	110	V33	TUB	6.50	76.27	76.27	38.00	38.00	490.0	YES	NO	.70	.70	1.43	1.43	.00	.00
84	149	IL2	TUB	2.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00

*** WAGA Member Property Summary ***

Member	Group	Section	Area	Diameters	Matl.	Flood	Marine	Drag And Mass Coefficients									
JA	JB	Label	Type	Length	Const.	Displ.	Y	Z	Density	Growth	Cdy	Cdx	Cwy	Cwz	Cdt	Cwt	
				(Ft)	(In^2)		(In)		(PCF)								
88	150	TLZ	TUB	2.38	109.96	1017.88	36.00	36.00	490.0	NO	NO	.69	.69	1.42	1.42	.00	.00
66	71	V24	TUB	22.50	153.20	153.20	30.00	30.00	490.0	YES	NO	1.84	1.84	1.41	1.41	.00	.00
71	69	V24	TUB	22.50	153.20	153.20	30.00	30.00	490.0	YES	NO	1.84	1.84	1.41	1.41	.00	.00
41	44	V76	TUB	22.50	156.80	156.80	30.00	30.00	490.0	YES	NO	1.84	1.84	1.41	1.41	.00	.00
44	43	V76	TUB	22.50	156.80	156.80	30.00	30.00	490.0	YES	NO	1.84	1.84	1.41	1.41	.00	.00
81	153	V25	TUB	30.10	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
153	87	V25	TUB	30.10	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
83	153	V25	TUB	30.10	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
153	86	V25	TUB	30.10	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
88	154	V25	TUB	31.82	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
154	83	V25	TUB	31.82	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
87	154	V25	TUB	31.82	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
154	84	V25	TUB	31.82	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
85	156	V25	TUB	30.10	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
156	88	V25	TUB	30.10	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
84	156	V25	TUB	30.10	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00
156	89	V25	TUB	30.10	45.90	45.90	24.00	24.00	490.0	YES	NO	.67	.67	1.40	1.40	.00	.00

*** Dead Load Generation For Load Case 1 ***

Gravity Direction	-Z
Water Depth (Ft)	223.00
Mudline Elevation (Ft)	-223.00
Water Density (PCF)	64.20
Flood Override	
Dead Weight In Air (Kips) ...	3646.809
Buoyancy Load (Kips)	1555.407
Net Gravity Load (Kips)	2091.405

*** Wave Description For Load Case 3 ***

Water Depth (Ft) 223.00
 Mudline Elevation (Ft)..... -223.00

Wave Theory Stokes 5th
 Height (Ft) 62.40
 Period (Sec) 12.50
 Length (Ft) 804.84
 Direction X TO Y (Deg). 45.00
 Celerity (Ft/Sec) 64.39
 Kinematic Factor 1.00

No. of Segments Max 10
 Min 1

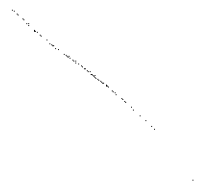
Wave Step Size (Ft) 10.00
 No. of Steps 9
 Crest Position Determined By Maximum Base Shear

Crest Elevation (Ft) 259.28
 Trough Elevation (Ft) 196.88

*** Current Description ***

Current Direction (Deg) 45.00
 Current Stretching Normal
 Blockage Factor 1.00

Elevation Above Mudline (Ft)	Current Velocity (Knots)
.00	1.420
23.00	1.800
223.00	1.800



* * * Dynamic Wave Pressure * * *

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Pressure (PSF)	2321.	2242.	2019.	1692.	1306.	901.	505.	134.	-203.	-502.	-764.	-990.	-1180.	-1338.	-1465.	-1562.	-1630.	-1670.	-1683.

Elevations Above
Mudline (Ft)

259.28	2321.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
258.28	2306.	2241.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
255.87	2270.	2207.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
252.06	2214.	2154.	1978.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
246.85	2139.	2083.	1916.	1653.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
240.23	2048.	1995.	1840.	1595.	1275.	901.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
232.20	1941.	1893.	1751.	1526.	1231.	885.	508.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
222.77	1823.	1779.	1651.	1446.	1178.	863.	517.	158.	-199.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
211.94	1695.	1656.	1542.	1359.	1118.	833.	520.	192.	-136.	-452.	-746.	0.	0.	0.	0.	0.	0.	0.	0.
199.69	1562.	1528.	1426.	1265.	1051.	797.	516.	220.	-79.	-368.	-641.	-889.	-1107.	-1294.	-1447.	0.	0.	0.	0.
186.05	1427.	1397.	1308.	1167.	979.	754.	504.	240.	-29.	-293.	-542.	-772.	-976.	-1152.	-1298.	-1412.	-1493.	-1542.	-1558.
171.00	1293.	1267.	1191.	1067.	904.	707.	487.	252.	11.	-226.	-453.	-664.	-853.	-1018.	-1155.	-1263.	-1340.	-1387.	-1403.
154.54	1164.	1142.	1076.	970.	828.	657.	464.	257.	44.	-169.	-375.	-567.	-741.	-894.	-1022.	-1123.	-1196.	-1241.	-1256.
136.68	1044.	1025.	968.	877.	755.	607.	438.	257.	68.	-122.	-307.	-482.	-641.	-782.	-901.	-995.	-1064.	-1106.	-1120.
117.41	935.	918.	870.	792.	686.	558.	411.	252.	84.	-85.	-251.	-409.	-554.	-684.	-794.	-882.	-946.	-985.	-998.
96.74	839.	825.	784.	716.	625.	513.	385.	244.	96.	-56.	-205.	-349.	-482.	-601.	-703.	-784.	-844.	-881.	-893.
74.66	760.	748.	712.	653.	573.	474.	361.	235.	102.	-34.	-170.	-301.	-424.	-534.	-629.	-705.	-762.	-796.	-807.
51.18	701.	690.	657.	604.	533.	444.	341.	227.	106.	-20.	-145.	-267.	-381.	-484.	-574.	-646.	-699.	-732.	-743.
26.29	662.	652.	622.	573.	507.	424.	328.	222.	108.	-11.	-130.	-245.	-354.	-453.	-539.	-608.	-660.	-691.	-702.
.00	649.	639.	610.	562.	498.	417.	324.	220.	108.	-8.	-124.	-238.	-345.	-442.	-527.	-595.	-646.	-677.	-687.

*** Horizontal Velocity Without Current ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Velocity (Ft/Sec)	21.73	21.16	19.54	17.11	14.17	10.98	7.76	4.65	1.74	-.92	-3.30	-5.39	-7.18	-8.67	-9.88	-10.81	-11.47	-11.86	-11.99

Elevations Above Mudline (Ft)

259.28	21.73	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.28	21.56	21.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
255.87	21.14	20.75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.06	20.50	20.12	19.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
246.85	19.65	19.29	18.23	16.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
240.23	18.63	18.30	17.30	15.69	13.55	10.97	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
232.20	17.48	17.17	16.24	14.74	12.75	10.34	7.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
222.77	16.23	15.94	15.09	13.71	11.88	9.66	7.16	4.49	1.74	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
211.94	14.92	14.66	13.89	12.63	10.96	8.94	6.65	4.20	1.68	-.83	-3.24	.00	.00	.00	.00	.00	.00	.00	.00	.00
199.69	13.59	13.36	12.66	11.53	10.02	8.19	6.13	3.90	1.60	-.69	-2.90	-4.96	-6.82	-8.43	-9.78	.00	.00	.00	.00	.00
186.05	12.28	12.06	11.44	10.43	9.08	7.45	5.59	3.59	1.52	-.56	-2.56	-4.45	-6.15	-7.64	-8.89	-9.88	-10.59	-11.02	-11.16	-11.16
171.00	11.01	10.82	10.27	9.37	8.18	6.72	5.07	3.28	1.42	-.44	-2.25	-3.96	-5.51	-6.88	-8.02	-8.93	-9.59	-9.99	-10.12	-10.12
154.54	9.81	9.65	9.16	8.37	7.32	6.03	4.57	2.98	1.33	-.34	-1.97	-3.51	-4.91	-6.15	-7.20	-8.03	-8.64	-9.00	-9.13	-9.13
136.68	8.72	8.57	8.15	7.45	6.53	5.39	4.10	2.70	1.23	-.26	-1.71	-3.09	-4.36	-5.48	-6.43	-7.19	-7.75	-8.08	-8.19	-8.19
117.41	7.74	7.61	7.24	6.63	5.82	4.82	3.68	2.43	1.13	-.20	-1.49	-2.73	-3.87	-4.89	-5.75	-6.44	-6.94	-7.25	-7.35	-7.35
96.74	6.90	6.79	6.46	5.93	5.20	4.32	3.31	2.20	1.04	-.14	-1.31	-2.42	-3.45	-4.37	-5.15	-5.78	-6.24	-6.52	-6.61	-6.61
74.66	6.22	6.12	5.83	5.35	4.70	3.91	3.00	2.01	.96	-.11	-1.16	-2.17	-3.11	-3.95	-4.66	-5.24	-5.66	-5.92	-6.00	-6.00
51.18	5.71	5.61	5.35	4.91	4.32	3.60	2.77	1.86	.90	-.08	-1.05	-1.99	-2.85	-3.63	-4.29	-4.83	-5.22	-5.46	-5.54	-5.54
26.29	5.38	5.29	5.04	4.63	4.08	3.40	2.62	1.77	.86	-.07	-.98	-1.87	-2.69	-3.43	-4.06	-4.57	-4.94	-5.17	-5.25	-5.25
.00	5.26	5.18	4.94	4.54	4.00	3.33	2.57	1.73	.85	-.06	-.96	-1.83	-2.63	-3.36	-3.98	-4.48	-4.84	-5.07	-5.14	-5.14

*** Horizontal Velocity With Current ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Velocity (Ft/Sec)	24.77	24.20	22.58	20.15	17.20	14.01	10.80	7.69	4.78	2.12	-.26	-2.35	-4.14	-5.64	-6.85	-7.78	-8.43	-8.82	-8.95

Elevations Above
Mudline (Ft)

259.28	24.77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.28	24.59	24.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
255.87	24.18	23.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.06	23.53	23.16	22.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
246.85	22.69	22.33	21.27	19.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
240.23	21.67	21.33	20.34	18.73	16.58	14.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
232.20	20.52	20.21	19.28	17.78	15.79	13.38	10.68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
222.77	19.27	18.98	18.13	16.75	14.91	12.70	10.20	7.52	4.77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
211.94	17.96	17.70	16.92	15.67	14.00	11.97	9.69	7.24	4.71	2.20	-.20	.00	.00	.00	.00	.00	.00	.00	.00
199.69	16.63	16.39	15.70	14.57	13.06	11.23	9.16	6.94	4.64	2.35	.14	-1.92	-3.78	-5.39	-6.74	.00	.00	.00	.00
186.05	15.31	15.10	14.48	13.47	12.12	10.49	8.63	6.63	4.56	2.48	.47	-1.41	-3.11	-4.60	-5.85	-6.84	-7.55	-7.98	-8.12
171.00	14.04	13.86	13.31	12.41	11.22	9.76	8.11	6.32	4.46	2.60	.78	-.92	-2.47	-3.84	-4.99	-5.90	-6.55	-6.95	-7.08
154.54	12.85	12.68	12.20	11.41	10.36	9.07	7.61	6.02	4.36	2.70	1.07	-.47	-1.87	-3.11	-4.16	-4.99	-5.60	-5.96	-6.09
136.68	11.75	11.61	11.18	10.49	9.56	8.43	7.14	5.73	4.26	2.78	1.32	-.06	-1.32	-2.45	-3.40	-4.16	-4.71	-5.04	-5.16
117.41	10.78	10.65	10.28	9.67	8.85	7.86	6.72	5.47	4.17	2.84	1.54	.31	-.83	-1.85	-2.71	-3.40	-3.90	-4.21	-4.31
96.74	9.94	9.83	9.50	8.96	8.24	7.36	6.35	5.24	4.08	2.89	1.73	.61	-.41	-1.33	-2.12	-2.74	-3.20	-3.48	-3.58
74.66	9.26	9.16	8.86	8.39	7.74	6.95	6.04	5.05	4.00	2.93	1.88	.86	-.07	-.91	-1.63	-2.20	-2.62	-2.88	-2.97
51.18	8.74	8.65	8.39	7.95	7.36	6.64	5.81	4.90	3.94	2.96	1.98	1.05	.18	-.59	-1.26	-1.79	-2.18	-2.42	-2.50
26.29	8.42	8.33	8.08	7.67	7.12	6.44	5.66	4.80	3.90	2.97	2.05	1.17	.35	-.39	-1.02	-1.53	-1.90	-2.13	-2.21
.00	7.66	7.58	7.33	6.93	6.39	5.73	4.97	4.13	3.24	2.34	1.44	.57	-.24	-.96	-1.58	-2.08	-2.45	-2.67	-2.75

*** Horizontal Acceleration ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Accel. (Ft/Sec^2)	.00	2.21	4.20	5.82	6.99	7.72	8.06	8.07	7.82	7.37	6.76	6.05	5.26	4.42	3.55	2.67	1.78	.89	.00

Elevations Above
Mudline (Ft)

259.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.28	.00	2.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
255.87	.00	2.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.06	.00	2.09	4.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
246.85	.00	1.99	3.88	5.59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
240.23	.00	1.87	3.65	5.26	6.64	7.71	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
232.20	.00	1.74	3.40	4.90	6.18	7.20	7.91	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
222.77	.00	1.60	3.12	4.51	5.70	6.65	7.32	7.70	7.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
211.94	.00	1.45	2.84	4.10	5.19	6.07	6.70	7.07	7.18	7.04	6.68	.00	.00	.00	.00	.00	.00	.00	.00	.00
199.69	.00	1.30	2.55	3.70	4.69	5.49	6.07	6.43	6.55	6.45	6.15	5.67	5.05	4.33	3.52	.00	.00	.00	.00	.00
186.05	.00	1.16	2.27	3.30	4.19	4.92	5.46	5.80	5.93	5.87	5.62	5.21	4.67	4.02	3.29	2.51	1.69	.85	.00	.00
171.00	.00	1.02	2.01	2.92	3.71	4.37	4.87	5.19	5.33	5.30	5.10	4.75	4.28	3.70	3.04	2.33	1.57	.79	.00	.00
154.54	.00	.90	1.76	2.56	3.27	3.86	4.31	4.61	4.76	4.75	4.60	4.31	3.90	3.39	2.80	2.15	1.46	.73	.00	.00
136.68	.00	.78	1.54	2.24	2.87	3.39	3.80	4.09	4.23	4.25	4.13	3.89	3.53	3.09	2.56	1.97	1.34	.68	.00	.00
117.41	.00	.68	1.35	1.96	2.51	2.98	3.36	3.62	3.76	3.79	3.70	3.50	3.20	2.81	2.34	1.81	1.23	.62	.00	.00
96.74	.00	.60	1.18	1.72	2.21	2.63	2.97	3.22	3.36	3.40	3.33	3.16	2.90	2.56	2.14	1.65	1.13	.57	.00	.00
74.66	.00	.53	1.05	1.53	1.97	2.35	2.66	2.89	3.03	3.07	3.03	2.89	2.66	2.35	1.97	1.53	1.04	.53	.00	.00
51.18	.00	.48	.95	1.39	1.79	2.14	2.43	2.64	2.78	2.83	2.79	2.67	2.47	2.19	1.84	1.43	.98	.50	.00	.00
26.29	.00	.45	.88	1.30	1.67	2.00	2.28	2.49	2.62	2.67	2.65	2.54	2.35	2.08	1.75	1.36	.93	.47	.00	.00
.00	.00	.44	.86	1.26	1.63	1.96	2.23	2.43	2.56	2.62	2.59	2.49	2.30	2.04	1.72	1.34	.92	.47	.00	.00

*** Wave Position Summary Report ***

Step No	Crest Position (Ft)	Phase Angle (Deg)	Force (Kips)			Moment (Ft-Kips)			Resultant Loads	
			Force(X)	Force(Y)	Force(Z)	Moment(X)	Moment(Y)	Moment(Z)	Horizontal Shear(Kips)	Overturning Moment(Ft-Kips)
1	-50.00	-22.4	2782.31	2697.86	241.81	-427232.70	418608.90	6297.58	3875.52	598131.40
2	-40.00	-17.9	2854.49	2772.24	177.49	-439998.60	430684.00	8038.98	3979.12	615700.80
3	-30.00	-13.4	2902.47	2822.35	110.95	-448655.30	438884.20	9848.36	4048.46	627623.20
4	-20.00	-8.9	2924.74	2846.60	43.04	-452908.50	442934.30	11664.02	4081.33	633495.80
5	-10.00	-4.5	2920.12	2843.71	-25.39	-452519.70	442613.90	13432.82	4076.00	632993.80
6	.00	.0	2888.18	2813.15	-93.56	-447389.50	437850.00	15095.55	4031.79	625995.20
7	10.00	4.5	2827.92	2753.75	-160.90	-437315.90	428468.70	16588.13	3947.19	612234.10
8	20.00	8.9	2741.48	2667.90	-226.81	-422743.70	414844.50	17860.42	3825.36	592290.60
9	30.00	13.4	2630.38	2557.28	-290.52	-403992.20	397252.60	18867.51	3668.60	566585.60
10	40.00	17.9	2496.84	2424.22	-351.19	-381505.20	376094.50	19577.52	3480.09	535717.60

Note: Moments are about Mudline at Elevation (Ft) -223.00

Wave Loads calculated with only one segment

Included Drag IDS : DD BL BB

* * LOAD SUMMARY REPORT * *

Load Case = 3

Wave Direction = 45.00 Deg

X Shear Force (Kips)	2888.53
Y Shear Force (Kips)	2810.71
Resultant Shear Force (Kips)	4030.34
X Mudline Moment (Ft-Kips)	-446405.60
Y Mudline Moment (Ft-Kips)	436481.00
Resultant Mudline Moment (Ft-Kips)	624334.60
Z Vertical Force (Kips)	42.17

Note: Critical Crest Position (Ft) : -20.00

Crest Position Determined By Maximum Base Shear

Wave Loads calculated with user specified Member Segments

*** Wind Load Generation For Load Case 3 ***

Wind Velocity (Knots)	70.000
Wind Pressure (PSF ) .....	.000
Wind Direction (Deg)	45.000
Surface Elevation (Ft) .....	.000
Wind Profile	1.0

Included Area IDS : W1 W2

Wind Load On Members Not Calculated

Generated Wind Forces And Moments

Moments About Mudline At Elevation (Ft)		-223.00
Forces (Kips)		
	X -	19.81
	Y -	52.84
	Z -	.00
Moments (Ft-Kips)		
	X -	-14621.52
	Y -	5481.47
	Z -	.00

* * Wave Description For Load Case 4 * *

Water Depth (Ft) 223.00
 Mudline Elevation (Ft)..... -223.00

Wave Theory Stokes 5th
 Height (Ft) 62.40
 Period (Sec) 12.50
 Length (Ft) 804.84
 Direction X TO Y (Deg). 67.50
 Celerity (Ft/Sec) 64.39
 Kinematic Factor 1.00

No. of Segments Max 10
 Min 1

Wave Step Size (Ft) 10.00
 No. of Steps 9
 Crest Position Determined By Maximum Base Shear

Crest Elevation (Ft) 259.28
 Trough Elevation (Ft) 196.88

* * * Current Description * * *

Current Direction (Deg) 67.50
 Current Stretching Normal
 Blockage Factor 1.00

Elevation Above Mudline (Ft)	Current Velocity (Knots)
.00	1.420
23.00	1.800
223.00	1.800

*** Dynamic Wave Pressure ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Pressure (PSF)	2321.	2242.	2019.	1692.	1306.	901.	505.	134.	-203.	-502.	-764.	-990.	-1180.	-1338.	-1465.	-1562.	-1630.	-1670.	-1683.

Elevations Above

Mudline (Ft)

259.28	2321.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
258.28	2306.	2241.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
255.87	2270.	2207.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
252.06	2214.	2154.	1978.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
246.85	2139.	2083.	1916.	1653.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
240.23	2048.	1995.	1840.	1595.	1275.	901.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
232.20	1941.	1893.	1751.	1526.	1231.	885.	508.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
222.77	1823.	1779.	1651.	1446.	1178.	863.	517.	158.	-199.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
211.94	1695.	1656.	1542.	1359.	1118.	833.	520.	192.	-136.	-452.	-746.	0.	0.	0.	0.	0.	0.	0.	0.
199.69	1562.	1528.	1426.	1265.	1051.	797.	516.	220.	-79.	-368.	-641.	-889.	-1107.	-1294.	-1447.	0.	0.	0.	0.
186.05	1427.	1397.	1308.	1167.	979.	754.	504.	240.	-29.	-293.	-542.	-772.	-976.	-1152.	-1298.	-1412.	-1493.	-1542.	-1558.
171.00	1293.	1267.	1191.	1067.	904.	707.	487.	252.	11.	-226.	-453.	-664.	-853.	-1018.	-1155.	-1263.	-1340.	-1387.	-1403.
154.54	1164.	1142.	1076.	970.	828.	657.	464.	257.	44.	-169.	-375.	-567.	-741.	-894.	-1022.	-1123.	-1196.	-1241.	-1256.
136.68	1044.	1025.	968.	877.	755.	607.	438.	257.	68.	-122.	-307.	-482.	-641.	-782.	-901.	-995.	-1064.	-1106.	-1120.
117.41	935.	918.	870.	792.	686.	558.	411.	252.	84.	-85.	-251.	-409.	-554.	-684.	-794.	-882.	-946.	-985.	-998.
96.74	839.	825.	784.	716.	625.	513.	385.	244.	96.	-56.	-205.	-349.	-482.	-601.	-703.	-784.	-844.	-881.	-893.
74.66	760.	748.	712.	653.	573.	474.	361.	235.	102.	-34.	-170.	-301.	-424.	-534.	-629.	-705.	-762.	-796.	-807.
51.18	701.	690.	657.	604.	533.	444.	341.	227.	106.	-20.	-145.	-267.	-381.	-484.	-574.	-646.	-699.	-732.	-743.
26.29	662.	652.	622.	573.	507.	424.	328.	222.	108.	-11.	-130.	-245.	-354.	-453.	-539.	-608.	-660.	-691.	-702.
.00	649.	639.	610.	562.	498.	417.	324.	220.	108.	-8.	-124.	-238.	-345.	-442.	-527.	-595.	-646.	-677.	-687.

*** Horizontal Velocity Without Current ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Velocity (Ft/Sec)	21.73	21.16	19.54	17.11	14.17	10.98	7.76	4.65	1.74	-0.92	-3.30	-5.39	-7.18	-8.67	-9.88	-10.81	-11.47	-11.86	-11.99

Elevations Above

Mudline (Ft)

259.28	21.73	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.28	21.56	21.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
255.87	21.14	20.75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.06	20.50	20.12	19.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
246.85	19.65	19.29	18.23	16.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
240.23	18.63	18.30	17.30	15.69	13.55	10.97	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
232.20	17.48	17.17	16.24	14.74	12.75	10.34	7.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
222.77	16.23	15.94	15.09	13.71	11.88	9.66	7.16	4.49	1.74	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
211.94	14.92	14.66	13.89	12.63	10.96	8.94	6.65	4.20	1.68	-0.83	-3.24	.00	.00	.00	.00	.00	.00	.00	.00	.00
199.69	13.59	13.36	12.66	11.53	10.02	8.19	6.13	3.90	1.60	-0.69	-2.90	-4.96	-6.82	-8.43	-9.78	.00	.00	.00	.00	.00
186.05	12.28	12.06	11.44	10.43	9.08	7.45	5.59	3.59	1.52	-0.56	-2.56	-4.45	-6.15	-7.64	-8.89	-9.88	-10.59	-11.02	-11.16	.00
171.00	11.01	10.82	10.27	9.37	8.18	6.72	5.07	3.28	1.42	-0.44	-2.25	-3.96	-5.51	-6.88	-8.02	-8.93	-9.59	-9.99	-10.12	.00
154.54	9.81	9.65	9.16	8.37	7.32	6.03	4.57	2.98	1.33	-0.34	-1.97	-3.51	-4.91	-6.15	-7.20	-8.03	-8.64	-9.00	-9.13	.00
136.68	8.72	8.57	8.15	7.45	6.53	5.39	4.10	2.70	1.23	-0.26	-1.71	-3.09	-4.36	-5.48	-6.43	-7.19	-7.75	-8.08	-8.19	.00
117.41	7.74	7.61	7.24	6.63	5.82	4.82	3.68	2.43	1.13	-0.20	-1.49	-2.73	-3.87	-4.89	-5.75	-6.44	-6.94	-7.25	-7.35	.00
96.74	6.90	6.79	6.46	5.93	5.20	4.32	3.31	2.20	1.04	-0.14	-1.31	-2.42	-3.45	-4.37	-5.15	-5.78	-6.24	-6.52	-6.61	.00
74.66	6.22	6.12	5.83	5.35	4.70	3.91	3.00	2.01	.96	-0.11	-1.16	-2.17	-3.11	-3.95	-4.66	-5.24	-5.66	-5.92	-6.00	.00
51.18	5.71	5.61	5.35	4.91	4.32	3.60	2.77	1.86	.90	-0.08	-1.05	-1.99	-2.85	-3.63	-4.29	-4.83	-5.22	-5.46	-5.54	.00
26.29	5.38	5.29	5.04	4.63	4.08	3.40	2.62	1.77	.86	-0.07	-0.98	-1.87	-2.69	-3.43	-4.06	-4.57	-4.94	-5.17	-5.25	.00
.00	5.26	5.18	4.94	4.54	4.00	3.33	2.57	1.73	.85	-0.06	-0.96	-1.83	-2.63	-3.36	-3.98	-4.48	-4.84	-5.07	-5.14	.00

*** Horizontal Velocity With Current ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Velocity (Ft/Sec)	24.77	24.20	22.58	20.15	17.20	14.01	10.80	7.69	4.78	2.12	-.26	-2.35	-4.14	-5.64	-6.85	-7.78	-8.43	-8.82	-8.95

Elevations Above

Mudline (Ft)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
259.28	24.77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.28	24.59	24.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
255.87	24.18	23.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.06	23.53	23.16	22.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
246.85	22.69	22.33	21.27	19.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
240.23	21.67	21.33	20.34	18.73	16.58	14.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
232.20	20.52	20.21	19.28	17.78	15.79	13.38	10.68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
222.77	19.27	18.98	18.13	16.75	14.91	12.70	10.20	7.52	4.77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
211.94	17.96	17.70	16.92	15.67	14.00	11.97	9.69	7.24	4.71	2.20	-.20	.00	.00	.00	.00	.00	.00	.00	.00
199.69	16.63	16.39	15.70	14.57	13.06	11.23	9.16	6.94	4.64	2.35	.14	-1.92	-3.78	-5.39	-6.74	.00	.00	.00	.00
186.05	15.31	15.10	14.48	13.47	12.12	10.49	8.63	6.63	4.56	2.48	-.47	-1.41	-3.11	-4.60	-5.85	-6.84	-7.55	-7.98	-8.12
171.00	14.04	13.86	13.31	12.41	11.22	9.76	8.11	6.32	4.46	2.60	.78	-.92	-2.47	-3.84	-4.99	-5.90	-6.55	-6.95	-7.08
154.54	12.85	12.68	12.20	11.41	10.36	9.07	7.61	6.02	4.36	2.70	1.07	-.47	-1.87	-3.11	-4.16	-4.99	-5.60	-5.96	-6.09
136.68	11.75	11.61	11.18	10.49	9.56	8.43	7.14	5.73	4.26	2.78	1.32	-.06	-1.32	-2.45	-3.40	-4.16	-4.71	-5.04	-5.16
117.41	10.78	10.65	10.28	9.67	8.85	7.86	6.72	5.47	4.17	2.84	1.54	.31	-.83	-1.85	-2.71	-3.40	-3.90	-4.21	-4.31
96.74	9.94	9.83	9.50	8.96	8.24	7.36	6.35	5.24	4.08	2.89	1.73	.61	-.41	-1.33	-2.12	-2.74	-3.20	-3.48	-3.58
74.66	9.26	9.16	8.86	8.39	7.74	6.95	6.04	5.05	4.00	2.93	1.88	.86	-.07	-.91	-1.63	-2.20	-2.62	-2.88	-2.97
51.18	8.74	8.65	8.39	7.95	7.36	6.64	5.81	4.90	3.94	2.96	1.98	1.05	.18	-.59	-1.26	-1.79	-2.18	-2.42	-2.50
26.29	8.42	8.33	8.08	7.67	7.12	6.44	5.66	4.80	3.90	2.97	2.05	1.17	.35	-.39	-1.02	-1.53	-1.90	-2.13	-2.21
.00	7.66	7.58	7.33	6.93	6.39	5.73	4.97	4.13	3.24	2.34	1.44	.57	-.24	-.96	-1.58	-2.08	-2.45	-2.67	-2.75

*** Horizontal Acceleration ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Accel. (Ft/Sec^2)	.00	2.21	4.20	5.82	6.99	7.72	8.06	8.07	7.82	7.37	6.76	6.05	5.26	4.42	3.55	2.67	1.78	.89	.00

Elevations Above
Mudline (Ft)

259.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.28	.00	2.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
255.87	.00	2.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.06	.00	2.09	4.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
246.85	.00	1.99	3.88	5.59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
240.23	.00	1.87	3.65	5.26	6.64	7.71	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
232.20	.00	1.74	3.40	4.90	6.18	7.20	7.91	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
222.77	.00	1.60	3.12	4.51	5.70	6.65	7.32	7.70	7.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
211.94	.00	1.45	2.84	4.10	5.19	6.07	6.70	7.07	7.18	7.04	6.68	.00	.00	.00	.00	.00	.00	.00	.00	.00
199.69	.00	1.30	2.55	3.70	4.69	5.49	6.07	6.43	6.55	6.45	6.15	5.67	5.05	4.33	3.52	.00	.00	.00	.00	.00
186.05	.00	1.16	2.27	3.30	4.19	4.92	5.46	5.80	5.93	5.87	5.62	5.21	4.67	4.02	3.29	2.51	1.69	.85	.00	.00
171.00	.00	1.02	2.01	2.92	3.71	4.37	4.87	5.19	5.33	5.30	5.10	4.75	4.28	3.70	3.04	2.33	1.57	.79	.00	.00
154.54	.00	.90	1.76	2.56	3.27	3.86	4.31	4.61	4.76	4.75	4.60	4.31	3.90	3.39	2.80	2.15	1.46	.73	.00	.00
136.68	.00	.78	1.54	2.24	2.87	3.39	3.80	4.09	4.23	4.25	4.13	3.89	3.53	3.09	2.56	1.97	1.34	.68	.00	.00
117.41	.00	.68	1.35	1.96	2.51	2.98	3.36	3.62	3.76	3.79	3.70	3.50	3.20	2.81	2.34	1.81	1.23	.62	.00	.00
96.74	.00	.60	1.18	1.72	2.21	2.63	2.97	3.22	3.36	3.40	3.33	3.16	2.90	2.56	2.14	1.65	1.13	.57	.00	.00
74.66	.00	.53	1.05	1.53	1.97	2.35	2.66	2.89	3.03	3.07	3.03	2.89	2.66	2.35	1.97	1.53	1.04	.53	.00	.00
51.18	.00	.48	.95	1.39	1.79	2.14	2.43	2.64	2.78	2.83	2.79	2.67	2.47	2.19	1.84	1.43	.98	.50	.00	.00
26.29	.00	.45	.88	1.30	1.67	2.00	2.28	2.49	2.62	2.67	2.65	2.54	2.35	2.08	1.75	1.36	.93	.47	.00	.00
.00	.00	.44	.86	1.26	1.63	1.96	2.23	2.43	2.56	2.62	2.59	2.49	2.30	2.04	1.72	1.34	.92	.47	.00	.00

*** Wave Position Summary Report ***

Step No	Crest Position (Ft)	Phase Angle (Deg)	Force			Moment			Resultant Loads	
			(X)	(Y)	(Z)	(X)	(Y)	(Z)	Horizontal Shear (Kips)	Overturning Moment (Ft-Kips)
1	-50.00	-22.4	1515.79	3570.51	233.68	-564935.80	230844.20	7301.24	3878.94	610279.90
2	-40.00	-17.9	1552.80	3672.31	170.40	-582706.60	237151.20	8411.00	3987.11	629116.60
3	-30.00	-13.4	1576.27	3741.26	105.13	-594899.60	241249.70	9515.23	4059.76	641955.50
4	-20.00	-8.9	1585.21	3774.60	38.54	-600970.80	242948.60	10574.98	4093.96	648220.60
5	-10.00	-4.5	1578.98	3770.61	-28.61	-600587.60	242121.60	11566.39	4087.87	647555.60
6	.00	.0	1557.48	3728.93	-95.60	-593709.30	238758.30	12446.80	4041.12	639919.00
7	10.00	4.5	1520.05	3647.93	-161.74	-580016.90	232730.70	13190.51	3951.95	624966.50
8	20.00	8.9	1468.15	3531.02	-226.32	-560180.70	224312.90	13781.04	3824.08	603422.50
9	30.00	13.4	1402.64	3380.35	-288.67	-534588.60	213659.60	14179.91	3659.80	575704.30
10	40.00	17.9	1324.95	3199.32	-348.05	-503910.00	201035.90	14379.11	3462.82	542531.80

Note: Moments are about Mudline at Elevation (Ft) -223.00

Wave Loads calculated with only one segment

Included Drag IDS : DD BL BB

*** LOAD SUMMARY REPORT ***

Load Case = 4 Wave Direction = 67.50 Deg

X Shear Force (Kips)	1566.50
Y Shear Force (Kips)	3727.65
Resultant Shear Force (Kips)	4043.42
X Mudline Moment (Ft-Kips)	-592473.90
Y Mudline Moment (Ft-Kips)	239536.00
Resultant Mudline Moment (Ft-Kips)	639064.10
Z Vertical Force (Kips)	38.01

Note: Critical Crest Position (Ft) : -20.00
 Crest Position Determined By Maximum Base Shear
 Wave Loads calculated with user specified Member Segments

* * Wind Load Generation For Load Case 4 * *

Wind Velocity (Knots)	70.000
Wind Pressure (PSF ) .....	.000
Wind Direction (Deg)	67.500
Surface Elevation (Ft) .....	.000
Wind Profile	1.0

Included Area IDS : W1 W2

Wind Load On Members Not Calculated

Generated Wind Forces And Moments

Moments About Mudline At Elevation (Ft) -223.00

Forces (Kips)	X -	21.75
	Y -	58.02
	Z -	.00

Moments (Ft-Kips)	X -	-16052.55
	Y -	6017.94
	Z -	.00

*** Wave Description For Load Case 5 ***

Water Depth (Ft) 223.00
 Mudline Elevation (Ft)..... -223.00

Wave Theory Stokes 5th
 Height (Ft) 62.40
 Period (Sec) 12.50
 Length (Ft) 804.84
 Direction X TO Y (Deg)..... 90.00
 Celerity (Ft/Sec) 64.39
 Kinematic Factor 1.00

No. of Segments Max 10
 Min 1

Wave Step Size (Ft) 10.00
 No. of Steps 9
 Crest Position Determined By Maximum Base Shear

Crest Elevation (Ft) 259.28
 Trough Elevation (Ft) 196.88

*** Current Description ***

Current Direction (Deg) 90.00
 Current Stretching Normal
 Blockage Factor 1.00

Elevation Above Mudline (Ft)	Current Velocity (Knots)
.00	1.420
23.00	1.800
223.00	1.800

*** Dynamic Wave Pressure ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Pressure (PSF)	2321.	2242.	2019.	1692.	1306.	901.	505.	134.	-203.	-502.	-764.	-990.	-1180.	-1338.	-1465.	-1562.	-1630.	-1670.	-1683.

Elevations Above

Mudline (Ft)

259.28	2321.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
258.28	2306.	2241.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
255.87	2270.	2207.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
252.06	2214.	2154.	1978.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
246.85	2139.	2083.	1916.	1653.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
240.23	2048.	1995.	1840.	1595.	1275.	901.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
232.20	1941.	1893.	1751.	1526.	1231.	885.	508.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
222.77	1823.	1779.	1651.	1446.	1178.	863.	517.	158.	-199.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
211.94	1695.	1656.	1542.	1359.	1118.	833.	520.	192.	-136.	-452.	-746.	0.	0.	0.	0.	0.	0.	0.	0.
199.69	1562.	1528.	1426.	1265.	1051.	797.	516.	220.	-79.	-368.	-641.	-889.	-1107.	-1294.	-1447.	0.	0.	0.	0.
186.05	1427.	1397.	1308.	1167.	979.	754.	504.	240.	-29.	-293.	-542.	-772.	-976.	-1152.	-1298.	-1412.	-1493.	-1542.	-1558.
171.00	1293.	1267.	1191.	1067.	904.	707.	487.	252.	11.	-226.	-453.	-664.	-853.	-1018.	-1155.	-1263.	-1340.	-1387.	-1403.
154.54	1164.	1142.	1076.	970.	828.	657.	464.	257.	44.	-169.	-375.	-567.	-741.	-894.	-1022.	-1123.	-1196.	-1241.	-1256.
136.68	1044.	1025.	968.	877.	755.	607.	438.	257.	68.	-122.	-307.	-482.	-641.	-782.	-901.	-995.	-1064.	-1106.	-1120.
117.41	935.	918.	870.	792.	686.	558.	411.	252.	84.	-85.	-251.	-409.	-554.	-684.	-794.	-882.	-946.	-985.	-998.
96.74	839.	825.	784.	716.	625.	513.	385.	244.	96.	-56.	-205.	-349.	-482.	-601.	-703.	-784.	-844.	-881.	-893.
74.66	760.	748.	712.	653.	573.	474.	361.	235.	102.	-34.	-170.	-301.	-424.	-534.	-629.	-705.	-762.	-796.	-807.
51.18	701.	690.	657.	604.	533.	444.	341.	227.	106.	-20.	-145.	-267.	-381.	-484.	-574.	-646.	-699.	-732.	-743.
26.29	662.	652.	622.	573.	507.	424.	328.	222.	108.	-11.	-130.	-245.	-354.	-453.	-539.	-608.	-660.	-691.	-702.
.00	649.	639.	610.	562.	498.	417.	324.	220.	108.	-8.	-124.	-238.	-345.	-442.	-527.	-595.	-646.	-677.	-687.

*** Horizontal Velocity Without Current ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Velocity (Ft/Sec)	21.73	21.16	19.54	17.11	14.17	10.98	7.76	4.65	1.74	-.92	-3.90	-5.39	-7.18	-8.67	-9.88	-10.81	-11.47	-11.86	-11.99

Elevations Above

Mudline (Ft)

259.28	21.73	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.28	21.56	21.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
255.87	21.14	20.75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.06	20.50	20.12	19.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
246.85	19.65	19.29	18.23	16.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
240.23	18.63	18.30	17.30	15.69	13.55	10.97	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
232.20	17.48	17.17	16.24	14.74	12.75	10.34	7.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
222.77	16.23	15.94	15.09	13.71	11.88	9.66	7.16	4.49	1.74	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
211.94	14.92	14.66	13.89	12.63	10.96	8.94	6.65	4.20	1.68	-.83	-3.24	.00	.00	.00	.00	.00	.00	.00	.00	.00
199.69	13.59	13.36	12.66	11.53	10.02	8.19	6.13	3.90	1.60	-1.69	-2.90	-4.96	-6.82	-8.43	-9.78	.00	.00	.00	.00	.00
186.05	12.28	12.06	11.44	10.43	9.08	7.45	5.59	3.59	1.52	-1.56	-2.56	-4.45	-6.15	-7.64	-8.89	-9.88	-10.59	-11.02	-11.16	.00
171.00	11.01	10.82	10.27	9.37	8.18	6.72	5.07	3.28	1.42	-1.44	-2.25	-3.96	-5.51	-6.88	-8.02	-8.93	-9.59	-9.99	-10.12	.00
154.54	9.81	9.65	9.16	8.37	7.32	6.03	4.57	2.98	1.33	-1.34	-1.97	-3.51	-4.91	-6.15	-7.20	-8.03	-8.64	-9.00	-9.13	.00
136.68	8.72	8.57	8.15	7.45	6.53	5.39	4.10	2.70	1.23	-1.26	-1.71	-3.09	-4.36	-5.48	-6.43	-7.19	-7.75	-8.08	-8.19	.00
117.41	7.74	7.61	7.24	6.63	5.82	4.82	3.68	2.43	1.13	-1.20	-1.49	-2.73	-3.87	-4.89	-5.75	-6.44	-6.94	-7.25	-7.35	.00
96.74	6.90	6.79	6.46	5.93	5.20	4.32	3.31	2.20	1.04	-1.14	-1.31	-2.42	-3.45	-4.37	-5.15	-5.78	-6.24	-6.52	-6.61	.00
74.66	6.22	6.12	5.83	5.35	4.70	3.91	3.00	2.01	.96	-1.11	-1.16	-2.17	-3.11	-3.95	-4.66	-5.24	-5.66	-5.92	-6.00	.00
51.18	5.71	5.61	5.35	4.91	4.32	3.60	2.77	1.86	.90	-1.08	-1.05	-1.99	-2.85	-3.63	-4.29	-4.83	-5.22	-5.46	-5.54	.00
26.29	5.38	5.29	5.04	4.63	4.08	3.40	2.62	1.77	.86	-1.07	-1.08	-1.87	-2.69	-3.43	-4.06	-4.57	-4.94	-5.17	-5.25	.00
.00	5.26	5.18	4.94	4.54	4.00	3.33	2.57	1.73	.85	-1.06	-1.06	-1.83	-2.63	-3.36	-3.98	-4.48	-4.84	-5.07	-5.14	.00

*** Horizontal Velocity With Current ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Velocity (Ft/Sec)	24.77	24.20	22.58	20.15	17.20	14.01	10.80	7.69	4.78	2.12	-2.26	-2.35	-4.14	-5.64	-6.85	-7.78	-8.43	-8.82	-8.95

Elevations Above

Mudline (Ft)

259.28	24.77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.28	24.59	24.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
255.87	24.18	23.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.06	23.53	23.16	22.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
246.85	22.69	22.33	21.27	19.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
240.23	21.67	21.33	20.34	18.73	16.58	14.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
232.20	20.52	20.21	19.28	17.78	15.79	13.38	10.68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
222.77	19.27	18.98	18.13	16.75	14.91	12.70	10.20	7.52	4.77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
211.94	17.96	17.70	16.92	15.67	14.00	11.97	9.69	7.24	4.71	2.20	-2.20	.00	.00	.00	.00	.00	.00	.00	.00
199.69	16.63	16.39	15.70	14.57	13.06	11.23	9.16	6.94	4.64	2.35	.14	-1.92	-3.78	-5.39	-6.74	.00	.00	.00	.00
186.05	15.31	15.10	14.48	13.47	12.12	10.49	8.63	6.63	4.56	2.48	.47	-1.41	-3.11	-4.60	-5.85	-6.84	-7.55	-7.98	-8.12
171.00	14.04	13.86	13.31	12.41	11.22	9.76	8.11	6.32	4.46	2.60	.78	-.92	-2.47	-3.84	-4.99	-5.90	-6.55	-6.95	-7.08
154.54	12.85	12.68	12.20	11.41	10.36	9.07	7.61	6.02	4.36	2.70	1.07	-.47	-1.87	-3.11	-4.16	-4.99	-5.60	-5.96	-6.09
136.68	11.75	11.61	11.18	10.49	9.56	8.43	7.14	5.73	4.26	2.78	1.32	-.06	-1.32	-2.45	-3.40	-4.16	-4.71	-5.04	-5.16
117.41	10.78	10.65	10.28	9.67	8.85	7.86	6.72	5.47	4.17	2.84	1.54	.31	-.83	-1.85	-2.71	-3.40	-3.90	-4.21	-4.31
96.74	9.94	9.83	9.50	8.96	8.24	7.36	6.35	5.24	4.08	2.89	1.73	.61	-.41	-1.33	-2.12	-2.74	-3.20	-3.48	-3.58
74.66	9.26	9.16	8.86	8.39	7.74	6.95	6.04	5.05	4.00	2.93	1.88	.86	-.07	-.91	-1.63	-2.20	-2.62	-2.88	-2.97
51.18	8.74	8.65	8.39	7.95	7.36	6.64	5.81	4.90	3.94	2.96	1.98	1.05	.18	-.59	-1.26	-1.79	-2.18	-2.42	-2.50
26.29	8.42	8.33	8.08	7.67	7.12	6.44	5.66	4.80	3.90	2.97	2.05	1.17	.35	-.39	-1.02	-1.53	-1.90	-2.13	-2.21
.00	7.66	7.58	7.33	6.93	6.39	5.73	4.97	4.13	3.24	2.34	1.44	.57	-.24	-.96	-1.58	-2.08	-2.45	-2.67	-2.75

*** Horizontal Acceleration ***

Phase (Deg)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
Horz Dist (Ft)	.0	22.4	44.7	67.1	89.4	111.8	134.1	156.5	178.9	201.2	223.6	245.9	268.3	290.6	313.0	335.4	357.7	380.1	402.4
Surf Prof (Ft)	259.3	258.3	255.5	251.3	246.1	240.3	234.5	228.7	223.3	218.3	213.9	209.9	206.5	203.6	201.2	199.3	198.0	197.2	196.9
Surf Accel. (Ft/Sec ²)	.00	2.21	4.20	5.82	6.99	7.72	8.06	8.07	7.82	7.37	6.76	6.05	5.26	4.42	3.55	2.67	1.78	.89	.00

Elevations Above

Mudline (Ft)

259.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.28	.00	2.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
255.87	.00	2.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
252.06	.00	2.09	4.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
246.85	.00	1.99	3.88	5.59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
240.23	.00	1.87	3.65	5.26	6.64	7.71	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
232.20	.00	1.74	3.40	4.90	6.18	7.20	7.91	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
222.77	.00	1.60	3.12	4.51	5.70	6.65	7.32	7.70	7.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
211.94	.00	1.45	2.84	4.10	5.19	6.07	6.70	7.07	7.18	7.04	6.68	.00	.00	.00	.00	.00	.00	.00	.00	.00
199.69	.00	1.30	2.55	3.70	4.69	5.49	6.07	6.43	6.55	6.45	6.15	5.67	5.05	4.33	3.52	.00	.00	.00	.00	.00
186.05	.00	1.16	2.27	3.30	4.19	4.92	5.46	5.80	5.93	5.87	5.62	5.21	4.67	4.02	3.29	2.51	1.69	.85	.00	.00
171.00	.00	1.02	2.01	2.92	3.71	4.37	4.87	5.19	5.33	5.30	5.10	4.75	4.28	3.70	3.04	2.33	1.57	.79	.00	.00
154.54	.00	.90	1.76	2.56	3.27	3.86	4.31	4.61	4.76	4.75	4.60	4.31	3.90	3.39	2.80	2.15	1.46	.73	.00	.00
136.68	.00	.78	1.54	2.24	2.87	3.39	3.80	4.09	4.23	4.25	4.13	3.89	3.53	3.09	2.56	1.97	1.34	.68	.00	.00
117.41	.00	.68	1.35	1.96	2.51	2.98	3.36	3.62	3.76	3.79	3.70	3.50	3.20	2.81	2.34	1.81	1.23	.62	.00	.00
96.74	.00	.60	1.18	1.72	2.21	2.63	2.97	3.22	3.36	3.40	3.33	3.16	2.90	2.56	2.14	1.65	1.13	.57	.00	.00
74.66	.00	.53	1.05	1.53	1.97	2.35	2.66	2.89	3.03	3.07	3.03	2.89	2.66	2.35	1.97	1.53	1.04	.53	.00	.00
51.18	.00	.48	.95	1.39	1.79	2.14	2.43	2.64	2.78	2.83	2.79	2.67	2.47	2.19	1.84	1.43	.98	.50	.00	.00
26.29	.00	.45	.88	1.30	1.67	2.00	2.28	2.49	2.62	2.67	2.65	2.54	2.35	2.08	1.75	1.36	.93	.47	.00	.00
.00	.00	.44	.86	1.26	1.63	1.96	2.23	2.43	2.56	2.62	2.59	2.49	2.30	2.04	1.72	1.34	.92	.47	.00	.00

* * * Wave Position Summary Report * * *

Step No	Crest Position (Ft)	Phase Angle (Deg)	Force			Moment			Resultant Loads	
			(X)	(Y)	(Z)	(X)	(Y)	(Z)	Horizontal Shear (Kips)	Overturning Moment (Ft-Kips)
1	-50.00	-22.4	50.13	3848.19	216.80	-606593.80	8915.55	7846.75	3848.52	606659.30
2	-40.00	-17.9	46.41	3957.84	153.73	-625709.40	8153.37	7643.77	3958.12	625762.60
3	-30.00	-13.4	42.11	4032.06	89.38	-638840.80	7283.62	7346.57	4032.28	638882.30
4	-20.00	-8.9	37.31	4067.99	24.35	-645434.40	6322.82	6961.68	4068.16	645465.40
5	-10.00	-4.5	32.08	4063.58	-41.03	-645090.20	5284.06	6498.54	4063.70	645111.80
6	.00	.0	26.50	4017.95	-106.06	-637620.90	4184.91	5968.90	4018.04	637634.70
7	10.00	4.5	20.69	3929.48	-170.08	-622706.10	3045.94	5384.20	3929.54	622713.50
8	20.00	8.9	14.75	3801.86	-232.51	-601069.90	1887.74	4760.43	3801.88	601072.90
9	30.00	13.4	8.80	3637.84	-292.67	-573271.70	733.94	4112.64	3637.85	573272.10
10	40.00	17.9	2.99	3441.19	-350.25	-540041.60	-387.07	3454.33	3441.19	540041.70

Note: Moments are about Mudline at Elevation (Ft) -223.00

Wave Loads calculated with only one segment

Included Drag IDS : DD BL BB

** LOAD SUMMARY REPORT **

Load Case = 5

Wave Direction = 90.00 Deg

X Shear Force (Kips)	37.14
Y Shear Force (Kips)	4017.88
Resultant Shear Force (Kips)	4018.05
X Mudline Moment (Ft-Kips)	-636354.80
Y Mudline Moment (Ft-Kips)	6320.44
Resultant Mudline Moment (Ft-Kips)	636386.10
Z Vertical Force (Kips)	24.62

Note: Critical Crest Position (Ft) : -20.00

Crest Position Determined By Maximum Base Shear

Wave Loads calculated with user specified Member Segments

*** Wind Load Generation For Load Case 5 ***

Wind Velocity (Knots) 70.000
 Wind Pressure (PSF)000
 Wind Direction (Deg) 90.000
 Surface Elevation (Ft)000
 Wind Profile 1.0

Included Area IDS : W1 W2

Wind Load On Members Not Calculated

Generated Wind Forces And Moments

Moments About Nadline At Elevation (Ft) -223.00

Forces (Kips) X - 20.38
 Y - 54.36
 Z - .00

Moments (Ft-Kips) X - -15039.71
 Y - 5638.24
 Z - .00

Applied Load Summary

Load Case	Total Force(X) (Kips)	Total Force(Y) (Kips)	Total Force(Z) (Kips)	Total Moment(X) (In-Kips)	Total Moment(Y) (In-Kips)	Total Moment(Z) (In-Kips)
1	.000	.000	-2209.377	.000	.000	.000
C.G. X (Ft)	.000	.000	.346			
C.G. Y (Ft)	.000	.000	-.724			
C.G. Z (Ft)	.000	.000	-47.631			
			Global Moments (Ft-Kips)	1598.673	764.613	.000
			Mudline Moments (Ft-Kips)	1598.673	764.613	.000
2	.000	.000	-6067.000	.000	.000	.000
C.G. X (Ft)	.000	.000	13.604			
C.G. Y (Ft)	.000	.000	-.412			
C.G. Z (Ft)	.000	.000	51.354			
			Global Moments (Ft-Kips)	2497.500	82537.500	.000
			Mudline Moments (Ft-Kips)	2497.500	82537.500	.000
3	2908.329	2863.553	42.171	10602.400	-7759.536	34368.020
C.G. X (Ft)	-.610	.959	290.362			
C.G. Y (Ft)	-2.040	-2.774	125.538			
C.G. Z (Ft)	-66.603	-59.845	60.580			
			Global Moments (Ft-Kips)	177546.100	-206596.100	11542.420
			Mudline Moments (Ft-Kips)	-461026.200	441961.300	11542.420
4	1588.247	3785.662	38.014	15038.980	-6693.817	29305.170
C.G. X (Ft)	-.759	1.315	195.749			
C.G. Y (Ft)	-1.851	-3.040	173.030			
C.G. Z (Ft)	-63.357	-60.186	90.997			
			Global Moments (Ft-Kips)	235676.500	-108625.400	10359.030
			Mudline Moments (Ft-Kips)	-608526.100	245553.600	10359.030
5	57.520	4072.240	24.623	15612.870	-3636.083	15503.690
C.G. X (Ft)	-15.972	1.456	70.294			
C.G. Y (Ft)	7.575	-3.138	270.213			
C.G. Z (Ft)	20.266	-61.087	150.748			
			Global Moments (Ft-Kips)	256713.700	-868.136	6786.042
			Mudline Moments (Ft-Kips)	-651395.700	11958.730	6786.042
6	2908.329	2863.553	-8234.206	10602.400	-7759.536	34368.020
C.G. X (Ft)	-.610	.959	8.630			
C.G. Y (Ft)	-2.040	-2.774	-1.140			
C.G. Z (Ft)	-66.603	-59.845	24.747			
			Global Moments (Ft-Kips)	181642.300	-123294.000	11542.420
			Mudline Moments (Ft-Kips)	-456930.000	525263.400	11542.420
7	1588.247	3785.662	-8238.362	15038.980	-6693.817	29305.170
C.G. X (Ft)	-.759	1.315	9.208			
C.G. Y (Ft)	-1.851	-3.040	-1.296			
C.G. Z (Ft)	-63.357	-60.186	24.625			
			Global Moments (Ft-Kips)	239772.700	-25323.280	10359.030
			Mudline Moments (Ft-Kips)	-604429.900	328855.700	10359.030

Applied Load Summary

Load Case	Total Force(X) (Kips)	Total Force(Y) (Kips)	Total Force(Z) (Kips)	Total Moment(X) (In-Kips)	Total Moment(Y) (In-Kips)	Total Moment(Z) (In-Kips)
8	57.520	4072.240	-8251.754	15612.870	-3636.083	15503.690
C.G. X (Ft)	-15.972	1.456	9.885			
C.G. Y (Ft)	7.575	-3.138	-1.303			
C.G. Z (Ft)	20.266	-61.087	24.555			
		Global Moments (Ft-Kips)		260809.900	82433.980	6786.042
		Member Moments (Ft-Kips)		-647299.500	95260.840	6786.042

*** NOAH Load Case Report ***

Load Case	Type	Anal. Opt.	Print Opt.	AMOD Factor	Comb. Type	LC Percent	LC Percent	LC Percent	LC Percent	LC Percent	LC Percent
1	BASIC	NO	NO	1.000							
2	BASIC	NO	NO	1.000							
3	BASIC	NO	NO	1.000							
4	BASIC	NO	NO	1.000							
5	BASIC	NO	NO	1.000							
6	COMB	YES	YES	2.000		1 100.00	2 100.00	3 100.00			
7	COMB	YES	YES	2.000		1 100.00	2 100.00	4 100.00			
8	COMB	YES	YES	2.000		1 100.00	2 100.00	5 100.00			

Friday 7/22/94 13:53:31

Input File Name:\STRUCAD\WD103US\WD103US

Output File Name:\STRUCAD\WD103US\WD103US.OT1

*** Problem Description ***

Number Of Joints 316

Number Of Beams (Steel) 672

Number Of Piles 9

Number Of Plates 16

No. Of Basic Load Cases 5

No. Of Combined Load Cases ... 3

Time For PREP Module = 0: 3:58

Time For LOAD Module = 0:29: 2

Total Processing Time = 0:33: 0



8.2.2 WD103US.OT2

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Reduced Superstructure Loads	p. 2
Pile Head Forces & Displacements in Pile Coords During Iteration.....	pp. 3 - 10

Pile Head Load & Deformation Reports:

Pile Joints	L.C.6	L.C.7	L.C.8
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112	p. 16	p. 82	p. 152
122	p. 23	p. 89	p. 159
132	p. 30	p. 96	p. 166
142	p. 37	p. 103	p. 173
152	p. 44	p. 110	p. 180
162	p. 51	p. 117	p. 187
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182	p. 65	p. 131	p. 201

Pile Critical Load Case Report	pp. 208 - 233
Pile Head Unity Check Report.....	p. 234
Pile Critical Section Unity Check Report	p. 235
Pile Group Summary Report.....	pp. 236- 237
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***** Soil Structure Interaction Program Options *****

Number Of Piles 9

Pile Code Check API-USD 20th Edition

Maximum Number of Iterations 100

Deflection Tolerance (in)00100

Rotation Tolerance (Rad)00100

Deflection Tolerance (Percentage)100

Rotation Tolerance (Percentage)100

Pile Iteration Control Report Print

Pile Detail Report Print

Pile Critical Load Case Report Print

Pile Head And Critical Section Report .. Print

Pile Group Summary Report Print

Pile Segment Deflection Report Print

*** Reduced Superstructure Loads in Structural Coordinates ***

Load Case	Pile Joint	Forces (Kips)			Moments (In-Kips)		
		X	Y	Z	X	Y	Z
6	200	178.277	826.451	-372.307	-29416.130	25456.500	.000
	112	71.059	62.937	1586.894	-16957.222	15031.531	134.053
	122	865.546	259.012	482.538	-22637.340	17271.341	-1963.595
	132	479.544	517.455	9.859	-21092.854	16975.421	-1875.939
	142	31.663	619.823	-1246.636	-22498.519	12754.474	-4275.563
	152	56.488	479.914	-703.372	-20200.699	13936.868	4900.509
	162	287.292	197.035	-1968.595	-19096.332	16327.730	2750.553
	172	932.554	-64.157	-2459.912	-21441.244	16626.992	2882.165
	182	5.909	-34.912	-3562.678	-16282.930	12875.637	1146.651
7	200	106.037	1063.853	-372.307	-38932.697	16020.886	.000
	112	-57.483	287.639	1426.207	-23450.396	8495.037	1710.376
	122	601.208	393.607	778.106	-29911.775	10323.831	-1122.400
	132	142.034	546.986	499.774	-27558.188	9903.838	-1059.238
	142	128.377	595.790	-336.631	-28689.004	6944.656	-4167.425
	152	154.941	453.616	-1610.273	-26330.935	8316.423	4760.990
	162	-55.126	207.156	-2443.861	-25480.944	9379.797	1818.780
	172	684.118	52.679	-2758.496	-28612.637	9709.801	1876.994
	182	-115.860	184.336	-3420.884	-22794.299	6328.421	-624.950
8	200	23.336	1121.705	-372.307	-41881.483	4378.043	.000
	112	-171.004	470.585	906.138	-26082.565	887.497	2944.252
	122	233.478	485.339	776.673	-32279.041	1914.550	-172.371
	132	-197.527	511.865	721.218	-29470.481	1464.884	-127.222
	142	200.884	482.149	402.148	-30064.625	30.135	-3372.932
	152	229.223	344.457	-2356.515	-27941.364	1639.983	3763.578
	162	-389.623	162.966	-2663.493	-27441.272	1188.296	568.408
	172	345.602	135.347	-2760.560	-30825.086	1500.823	568.108
	182	-216.849	357.820	-2905.059	-25218.995	-1084.125	-2419.244

*** Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 6 ***

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			(Kips) or (in)			(In-Kips) or (Rad)		
200	1	Old Forces	-337.564	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.0915	-6.5387	5.7899	.00000	.00888	.01001
		Diff Displ.	-.0915	6.5387	-5.7899	.00000	-.00888	-.01001
112	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.5248	1.5048	-8.3539	-.00021	-.01277	-.00187
		Diff Displ.	.5248	-1.5048	8.3539	.00021	.01277	.00187
122	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.1282	7.1732	-5.5193	.00059	-.00887	-.01057
		Diff Displ.	.1282	-7.1732	5.5193	-.00059	.00887	.01057
132	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.0415	7.0459	-5.9177	.00035	-.00915	-.01047
		Diff Displ.	.0415	-7.0459	5.9177	-.00035	.00915	.01047
142	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.3937	9.1512	.4021	.00314	.00016	-.01376
		Diff Displ.	-.3937	-9.1512	-.4021	-.00314	-.00016	.01376
152	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.2115	-8.1232	-.9605	-.00751	-.00098	.01244
		Diff Displ.	-.2115	8.1232	.9605	.00751	.00098	-.01244
162	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.6482	-6.5140	5.4701	-.00564	.00851	.00978
		Diff Displ.	-.6482	6.5140	-5.4701	.00564	-.00851	-.00978
172	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.7514	-6.6297	5.5564	-.00602	.00895	.00986
		Diff Displ.	-.7514	6.6297	-5.5564	.00602	-.00895	-.00986
182	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	1.1567	-.4617	8.3555	-.00758	.01275	.00049
		Diff Displ.	-1.1567	.4617	-8.3555	.00758	-.01275	-.00049
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 182								
200	2	Old Forces	371.287	-68.230	60.248	.000	-5594.616	-6431.529
		Old Displ.	.0915	-6.5387	5.7899	.00000	.00888	.01001
		New Displ.	.0920	-20.0302	16.5520	.00000	.01274	.01582
		Diff Displ.	-.0005	13.4915	-10.7621	.00000	-.00387	-.00581

*** Pile Head Forces and Displacements In Pile Coordinates During Iterations - Load Case 6 ***

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			/----- (Kips) or (In) -----/			/----- (In-Kips) or (Rad) -----/		
112	2	Old Forces	-1743.017	23.753	-107.994	.000	9768.641	4247.388
		Old Displ.	-.5248	1.5048	-8.3539	-.00021	-.01277	-.00187
		New Displ.	-.6472	4.7515	-25.2106	-.00134	-.02048	-.00370
		Diff Displ.	.1224	-3.2468	16.8567	.00113	.00772	.00183
122	2	Old Forces	-512.536	85.654	-58.559	.001	4559.930	11372.473
		Old Displ.	-.1282	7.1732	-5.5193	.00059	-.00887	-.01057
		New Displ.	-.0803	21.3199	-16.0357	-.00036	-.01336	-.01713
		Diff Displ.	-.0479	-14.1468	10.5164	.00095	.00448	.00655
132	2	Old Forces	-216.621	80.503	-64.120	.000	7092.198	10809.427
		Old Displ.	-.0415	7.0459	-5.9177	.00035	-.00915	-.01047
		New Displ.	-.1380	21.1788	-16.9921	-.00057	-.01376	-.01704
		Diff Displ.	.0965	-14.1329	11.0744	.00092	.00461	.00657
142	2	Old Forces	1196.302	90.982	8.387	.003	-3102.047	15327.832
		Old Displ.	.3937	9.1512	.4021	.00314	.00016	-.01376
		New Displ.	.4482	27.5095	1.9819	.00235	.00132	-.02243
		Diff Displ.	-.0545	-18.3583	-1.5798	.00079	-.00116	.00867
152	2	Old Forces	630.375	-88.522	-15.527	-.008	4321.824	-12952.605
		Old Displ.	.2115	-8.1232	-.9605	-.00751	-.00098	.01244
		New Displ.	.1877	-24.0183	-3.3338	-.00881	-.00251	.02033
		Diff Displ.	.0238	15.8951	2.3733	.00130	.00154	-.00789
162	2	Old Forces	1948.794	-63.031	49.896	-.006	-8853.591	-12495.796
		Old Displ.	.6482	-6.5140	5.4701	-.00564	.00851	.00978
		New Displ.	.8290	-19.4672	15.9438	-.00681	.01345	.01655
		Diff Displ.	-.1808	12.9532	-10.4736	.00117	-.00494	-.00677
172	2	Old Forces	2233.188	-62.791	45.641	-.006	-7512.723	-13448.179
		Old Displ.	.7514	-6.6297	5.5564	-.00602	.00895	.00986
		New Displ.	.8144	-19.6165	16.6577	-.00717	.01440	.01661
		Diff Displ.	-.0630	12.9867	-11.1012	.00115	-.00544	-.00675
182	2	Old Forces	3299.675	-5.956	67.950	-.008	-16985.597	-2094.982
		Old Displ.	1.1567	-.4617	8.3555	-.00758	.01275	.00049
		New Displ.	1.4718	-1.2840	26.0366	-.00855	.02240	.00129
		Diff Displ.	-.3152	.8224	-17.6811	.00097	-.00965	-.00080
***** Warning: Axial Deflections Are Off T-Z Curves Pile Joint 182								
200	3	Old Forces	375.235	-211.296	177.346	.000	-63318.466	-74291.242
		Old Displ.	.0920	-20.0302	16.5520	.00000	.01274	.01582
		New Displ.	.0920	-25.8126	21.1143	.00000	.01377	.01756
		Diff Displ.	.0000	5.7824	-4.5624	.00000	-.00103	-.00174
112	3	Old Forces	-2094.236	58.770	-305.607	-.001	79524.652	15803.937
		Old Displ.	-.6472	4.7515	-25.2106	-.00134	-.02048	-.00370
		New Displ.	-.6736	5.9898	-32.4788	-.00165	-.02218	-.00410
		Diff Displ.	.0264	-1.2382	7.2682	.00031	.00170	.00040

*** Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 6 ***

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			/----- (Kips) or (In) -----/			/----- (In-Kips) or (Rad) -----/		
122	3	Old Forces	-350.741	225.915	-166.477	.000	50773.442	70585.189
		Old Displ.	-.0803	21.3199	-16.0357	-.00036	-.01336	-.01713
		New Displ.	-.0552	27.2989	-20.5421	-.00058	-.01441	-.01874
		Diff Displ.	-.0251	-5.9789	4.5064	.00023	.00106	.00161
132	3	Old Forces	-544.691	225.860	-180.584	-.001	55072.812	69171.932
		Old Displ.	-.1380	21.1788	-16.9921	-.00057	-.01376	-.01704
		New Displ.	-.1798	27.1558	-21.6495	-.00079	-.01473	-.01861
		Diff Displ.	.0418	-5.9770	4.6574	.00022	.00097	.00157
142	3	Old Forces	1361.461	244.572	19.692	.002	-7959.139	91817.574
		Old Displ.	.4482	27.5095	1.9819	.00235	.00132	-.02243
		New Displ.	.4561	35.1967	2.7420	.00219	.00172	-.02407
		Diff Displ.	-.0079	-7.6873	-.7601	.00016	-.00040	.00164
152	3	Old Forces	554.550	-238.706	-35.402	-.009	12425.397	-78867.778
		Old Displ.	.1877	-24.0183	-3.3338	-.00881	-.00251	.02033
		New Displ.	.1750	-31.0030	-4.3370	-.00921	-.00288	.02183
		Diff Displ.	.0127	6.9847	1.0033	.00040	.00037	-.00150
162	3	Old Forces	2443.051	-158.040	130.216	-.007	-54764.544	-66272.493
		Old Displ.	.8290	-19.4672	15.9438	-.00681	.01345	.01655
		New Displ.	.8746	-25.1228	20.4373	-.00714	.01440	.01809
		Diff Displ.	-.0456	5.6556	-4.4935	.00033	-.00095	-.00154
172	3	Old Forces	2403.884	-158.852	132.793	-.007	-55219.828	-66575.039
		Old Displ.	.8144	-19.6165	16.6577	-.00717	.01440	.01661
		New Displ.	.7869	-25.2806	21.3354	-.00750	.01539	.01805
		Diff Displ.	.0275	5.6642	-4.6777	.00033	-.00099	-.00144
182	3	Old Forces	4130.203	-6.828	165.315	-.009	-90270.718	-3660.461
		Old Displ.	1.4718	-1.2840	26.0366	-.00655	.02240	.00129
		New Displ.	1.5019	-1.8342	33.5863	-.00880	.02397	.00165
		Diff Displ.	-.0301	.5502	-7.5497	.00025	-.00157	-.00036
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 162								
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 182								
200	4	Old Forces	375.235	-267.436	223.445	.000	-88777.227	-104391.879
		Old Displ.	.0920	-25.8126	21.1143	.00000	.01377	.01756
		New Displ.	.0920	-26.0266	21.2980	.00000	.01382	.01764
		Diff Displ.	.0000	.2140	-.1837	.00000	-.00005	-.00008
112	4	Old Forces	-2167.834	71.206	-386.549	-.002	113099.335	20799.095
		Old Displ.	-.6736	5.9898	-32.4788	-.00165	-.02218	-.00410
		New Displ.	-.6746	6.0397	-32.7529	-.00167	-.02224	-.00410
		Diff Displ.	.0010	-.0499	.2741	.00002	.00006	.00000
122	4	Old Forces	-264.117	279.035	-207.828	-.001	71850.265	97457.396
		Old Displ.	-.0552	27.2989	-20.5421	-.00058	-.01441	-.01874
		New Displ.	-.0544	27.5272	-20.7210	-.00060	-.01447	-.01881
		Diff Displ.	-.0008	-.2284	.1789	.00002	.00006	.00007

*** Pile Head Forces and Displacements In Pile Coordinates During Iterations - Load Case 6 ***

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			/----- (Kips) or (In) -----/			/----- (In-Kips) or (Rad) -----/		
132	4	Old Forces	-681.411	285.262	-228.170	-.001	76980.498	95900.012
		Old Displ.	-.1798	27.1558	-21.6495	-.00079	-.01473	-.01861
		New Displ.	-.1818	27.3835	-21.8391	-.00081	-.01475	-.01865
		Diff Displ.	.0020	-.2276	.1896	.00002	.00003	.00004
142	4	Old Forces	1385.090	304.560	24.753	.002	-10595.924	127192.305
		Old Displ.	.4561	35.1967	2.7420	.00219	.00172	-.02407
		New Displ.	.4561	35.5060	2.7545	.00217	.00174	-.02415
		Diff Displ.	-.0001	-.3093	-.0125	.00002	-.00002	.00008
152	4	Old Forces	513.974	-301.676	-43.381	-.009	16403.684	-111572.687
		Old Displ.	.1750	-31.0030	-4.3370	-.00921	-.00288	.02183
		New Displ.	.1745	-31.2583	-4.3693	-.00924	-.00289	.02187
		Diff Displ.	.0005	.2554	.0323	.00003	.00000	-.00004
162	4	Old Forces	2565.468	-194.617	160.497	-.007	-75987.092	-91691.267
		Old Displ.	.8746	-25.1228	20.4373	-.00714	.01440	.01809
		New Displ.	.8762	-25.3267	20.6163	-.00717	.01444	.01815
		Diff Displ.	-.0016	.2039	-.1791	.00002	-.00004	-.00006
172	4	Old Forces	2329.660	-200.574	168.187	-.008	-77018.043	-92092.364
		Old Displ.	.7869	-25.2806	21.3354	-.00750	.01539	.01805
		New Displ.	.7860	-25.4843	21.5259	-.00753	.01542	.01808
		Diff Displ.	.0010	.2036	-.1906	.00002	-.00003	-.00003
182	4	Old Forces	4209.317	-8.950	204.798	-.009	-124936.875	-5449.438
		Old Displ.	1.5019	-1.8342	33.5863	-.00880	.02397	.00165
		New Displ.	1.5031	-1.8304	33.8827	-.00882	.02403	.00166
		Diff Displ.	-.0012	-.0039	-.2964	.00002	-.00006	-.00002
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 162								
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 182								
200	5	Old Forces	375.235	-269.346	225.273	.000	-89779.948	-105415.941
		Old Displ.	.0920	-26.0266	21.2980	.00000	.01382	.01764
		New Displ.	.0920	-26.0295	21.2934	.00000	.01382	.01764
		Diff Displ.	.0000	.0029	.0046	.00000	.00000	.00000
112	5	Old Forces	-2170.507	71.833	-389.548	-.002	114357.211	21087.567
		Old Displ.	-.6746	6.0397	-32.7529	-.00167	-.02224	-.00410
		New Displ.	-.6746	6.0400	-32.7531	-.00167	-.02224	-.00410
		Diff Displ.	.0001	-.0003	.0002	.00000	.00000	.00000
122	5	Old Forces	-261.191	280.936	-209.318	-.001	72593.327	98424.060
		Old Displ.	-.0544	27.5272	-20.7210	-.00060	-.01447	-.01881
		New Displ.	-.0544	27.5277	-20.7176	-.00060	-.01447	-.01881
		Diff Displ.	.0000	-.0004	-.0034	.00000	.00000	.00000
132	5	Old Forces	-687.942	287.582	-230.195	-.001	77918.863	96960.834
		Old Displ.	-.1818	27.3835	-21.8391	-.00081	-.01475	-.01865
		New Displ.	-.1818	27.3839	-21.8332	-.00081	-.01475	-.01865
		Diff Displ.	.0000	-.0004	-.0059	.00000	.00000	.00000

***** Pile Head Forces and Displacements In Pile Coordinates During Iterations - Load Case 6 *****

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			/----- (Kips) or (In) -----/			/----- (In-Kips) or (Rad) -----/		
142	5	Old Forces	1385.361	306.832	24.698	.002	-10570.476	128535.110
		Old Displ.	.4561	35.5060	2.7545	.00217	.00174	-.02415
		New Displ.	.4562	35.4998	2.7614	.00218	.00174	-.02414
		Diff Displ.	-.0001	.0062	-.0069	.00000	.00000	.00000
152	5	Old Forces	512.244	-304.000	-43.669	-.009	16562.943	-112810.755
		Old Displ.	.1745	-31.2583	-4.3693	-.00924	-.00289	.02187
		New Displ.	.1745	-31.2621	-4.3732	-.00923	-.00289	.02187
		Diff Displ.	.0000	.0038	.0039	.00000	.00000	.00000
162	5	Old Forces	2569.804	-195.778	161.676	-.007	-76820.739	-92550.268
		Old Displ.	.8762	-25.3267	20.6163	-.00717	.01444	.01815
		New Displ.	.8763	-25.3321	20.6129	-.00716	.01444	.01816
		Diff Displ.	.0000	.0054	.0034	.00000	.00000	.00000
172	5	Old Forces	2327.087	-202.074	169.708	-.008	-77961.153	-93047.597
		Old Displ.	.7860	-25.4843	21.5259	-.00753	.01542	.01808
		New Displ.	.7859	-25.4897	21.5200	-.00752	.01542	.01808
		Diff Displ.	.0001	.0054	.0059	.00000	.00000	.00000
182	5	Old Forces	4212.401	-8.730	206.267	-.009	-126287.903	-5337.739
		Old Displ.	1.5031	-1.8304	33.8827	-.00882	.02403	.00166
		New Displ.	1.5030	-1.8408	33.8800	-.00882	.02403	.00166
		Diff Displ.	.0001	.0104	.0027	.00000	.00000	.00000
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 162								
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 182								
200	6	Old Forces	375.235	-269.388	225.213	.000	-89751.463	-105434.764
		Old Displ.	.0920	-26.0295	21.2934	.00000	.01382	.01764
		New Displ.	.0920	-26.0276	21.2955	.00000	.01382	.01764
		Diff Displ.	.0000	-.0019	-.0021	.00000	.00000	.00000
112	6	Old Forces	-2170.648	71.836	-389.556	-.002	114359.099	21087.693
		Old Displ.	-.6746	6.0400	-32.7531	-.00167	-.02224	-.00410
		New Displ.	-.6746	6.0388	-32.7528	-.00167	-.02224	-.00410
		Diff Displ.	.0000	.0011	-.0003	.00000	.00000	.00000
122	6	Old Forces	-261.201	280.945	-209.277	-.001	72574.615	98426.545
		Old Displ.	-.0544	27.5277	-20.7176	-.00060	-.01447	-.01881
		New Displ.	-.0544	27.5266	-20.7193	-.00060	-.01447	-.01881
		Diff Displ.	.0000	.0010	.0017	.00000	.00000	.00000
132	6	Old Forces	-687.901	287.604	-230.131	-.001	77894.140	96971.589
		Old Displ.	-.1818	27.3839	-21.8332	-.00081	-.01475	-.01865
		New Displ.	-.1818	27.3828	-21.8357	-.00081	-.01475	-.01865
		Diff Displ.	.0000	.0010	.0026	.00000	.00000	.00000
142	6	Old Forces	1385.535	306.785	24.781	.002	-10610.779	128512.818
		Old Displ.	.4562	35.4998	2.7614	.00218	.00174	-.02414
		New Displ.	.4562	35.5017	2.7580	.00217	.00174	-.02414
		Diff Displ.	.0000	-.0019	.0034	.00000	.00000	.00000

*** Pile Head Forces and Displacements In Pile Coordinates During Iterations - Load Case 6 ***

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			/----- (Kips) or (In) -----/			/----- (In-Kips) or (Rad) -----/		
152	6	Old Forces	512.329	-304.024	-43.713	-.009	16583.001	-112824.042
		Old Displ.	.1745	-31.2621	-4.3732	-.00923	-.00289	.02187
		New Displ.	.1745	-31.2606	-4.3708	-.00924	-.00289	.02187
		Diff Displ.	.0000	-.0015	-.0023	.00000	.00000	.00000
162	6	Old Forces	2569.905	-195.823	161.625	-.007	-76795.224	-92575.971
		Old Displ.	.8763	-25.3321	20.6129	-.00716	.01444	.01816
		New Displ.	.8763	-25.3294	20.6146	-.00716	.01444	.01816
		Diff Displ.	.0000	-.0027	-.0017	.00000	.00000	.00000
172	6	Old Forces	2326.929	-202.139	169.646	-.008	-77928.066	-93079.977
		Old Displ.	.7859	-25.4897	21.5200	-.00752	.01542	.01808
		New Displ.	.7859	-25.4869	21.5226	-.00752	.01542	.01808
		Diff Displ.	.0000	-.0027	-.0026	.00000	.00000	.00000
182	6	Old Forces	4212.259	-8.832	206.255	-.009	-126274.913	-5400.377
		Old Displ.	1.5030	-1.8408	33.8800	-.00882	.02403	.00166
		New Displ.	1.5030	-1.8362	33.8807	-.00882	.02403	.00166
		Diff Displ.	.0000	-.0046	-.0007	.00000	.00000	.00000
***** Warning: Axial Deflections Are Off T-Z Curves Pile Joint 162								
***** Warning: Axial Deflections Are Off T-Z Curves Pile Joint 182								
200	7	Old Forces	375.235	-269.363	225.242	.000	-89765.134	-105423.535
		Old Displ.	.0920	-26.0276	21.2955	.00000	.01382	.01764
		New Displ.	.0920	-26.0285	21.2944	.00000	.01382	.01764
		Diff Displ.	.0000	.0009	.0011	.00000	.00000	.00000
112	7	Old Forces	-2170.594	71.821	-389.553	-.002	114358.723	21082.746
		Old Displ.	-.6746	6.0388	-32.7528	-.00167	-.02224	-.00410
		New Displ.	-.6746	6.0396	-32.7529	-.00167	-.02224	-.00410
		Diff Displ.	.0000	-.0008	.0001	.00000	.00000	.00000
122	7	Old Forces	-261.217	280.932	-209.299	-.001	72583.866	98421.039
		Old Displ.	-.0544	27.5266	-20.7193	-.00060	-.01447	-.01881
		New Displ.	-.0544	27.5272	-20.7184	-.00060	-.01447	-.01881
		Diff Displ.	.0000	-.0006	-.0010	.00000	.00000	.00000
132	7	Old Forces	-687.906	287.588	-230.163	-.001	77907.097	96965.050
		Old Displ.	-.1818	27.3828	-21.8357	-.00081	-.01475	-.01865
		New Displ.	-.1818	27.3834	-21.8344	-.00081	-.01475	-.01865
		Diff Displ.	.0000	-.0006	-.0013	.00000	.00000	.00000
142	7	Old Forces	1385.464	306.801	24.741	.002	-10591.403	128519.964
		Old Displ.	.4562	35.5017	2.7580	.00217	.00174	-.02414
		New Displ.	.4562	35.5009	2.7597	.00217	.00174	-.02414
		Diff Displ.	.0000	.0008	-.0017	.00000	.00000	.00000
152	7	Old Forces	512.311	-304.015	-43.685	-.009	16570.519	-112819.489
		Old Displ.	.1745	-31.2606	-4.3708	-.00924	-.00289	.02187
		New Displ.	.1745	-31.2611	-4.3721	-.00924	-.00289	.02187
		Diff Displ.	.0000	.0006	.0013	.00000	.00000	.00000

*** Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 6 ***

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			/----- (Kips) or (In) -----/			/----- (In-Kips) or (Rad) -----/		
162	7	Old Forces	2569.856	-195.799	161.649	-.007	-76806.860	-92561.929
		Old Displ.	.8763	-25.3294	20.6146	-.00716	.01444	.01816
		New Displ.	.8763	-25.3307	20.6137	-.00716	.01444	.01816
		Diff Displ.	.0000	.0013	.0010	.00000	.00000	.00000
172	7	Old Forces	2326.998	-202.109	169.675	-.008	-77943.828	-93065.078
		Old Displ.	.7859	-25.4869	21.5226	-.00752	.01542	.01808
		New Displ.	.7859	-25.4882	21.5213	-.00752	.01542	.01808
		Diff Displ.	.0000	.0013	.0013	.00000	.00000	.00000
182	7	Old Forces	4212.297	-8.787	206.258	-.009	-126278.236	-5372.914
		Old Displ.	1.5030	-1.8362	33.8807	-.00882	.02403	.00166
		New Displ.	1.5030	-1.8384	33.8804	-.00882	.02403	.00166
		Diff Displ.	.0000	.0022	.0003	.00000	.00000	.00000
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 162								
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 182								
200	8	Old Forces	375.235	-269.376	225.227	.000	-89757.988	-105429.235
		Old Displ.	.0920	-26.0285	21.2944	.00000	.01382	.01764
		New Displ.	.0920	-26.0280	21.2949	.00000	.01382	.01764
		Diff Displ.	.0000	-.0005	-.0006	.00000	.00000	.00000
112	8	Old Forces	-2170.616	71.832	-389.553	-.002	114358.511	21086.730
		Old Displ.	-.6746	6.0396	-32.7529	-.00167	-.02224	-.00410
		New Displ.	-.6746	6.0392	-32.7529	-.00167	-.02224	-.00410
		Diff Displ.	.0000	.0005	.0000	.00000	.00000	.00000
122	8	Old Forces	-261.206	280.940	-209.286	-.001	72578.623	98424.407
		Old Displ.	-.0544	27.5272	-20.7184	-.00060	-.01447	-.01881
		New Displ.	-.0544	27.5269	-20.7189	-.00060	-.01447	-.01881
		Diff Displ.	.0000	.0003	.0005	.00000	.00000	.00000
132	8	Old Forces	-687.907	287.597	-230.147	-.001	77900.419	96968.762
		Old Displ.	-.1818	27.3834	-21.8344	-.00081	-.01475	-.01865
		New Displ.	-.1818	27.3831	-21.8351	-.00081	-.01475	-.01865
		Diff Displ.	.0000	.0003	.0006	.00000	.00000	.00000
142	8	Old Forces	1385.495	306.794	24.760	.002	-10600.936	128516.888
		Old Displ.	.4562	35.5009	2.7597	.00217	.00174	-.02414
		New Displ.	.4562	35.5012	2.7589	.00217	.00174	-.02414
		Diff Displ.	.0000	-.0004	.0008	.00000	.00000	.00000
152	8	Old Forces	512.315	-304.018	-43.701	-.009	16577.493	-112820.934
		Old Displ.	.1745	-31.2611	-4.3721	-.00924	-.00289	.02187
		New Displ.	.1745	-31.2609	-4.3714	-.00924	-.00289	.02187
		Diff Displ.	.0000	-.0002	-.0007	.00000	.00000	.00000
162	8	Old Forces	2569.878	-195.811	161.636	-.007	-76800.693	-92568.661
		Old Displ.	.8763	-25.3307	20.6137	-.00716	.01444	.01816
		New Displ.	.8763	-25.3300	20.6142	-.00716	.01444	.01816
		Diff Displ.	.0000	-.0006	-.0005	.00000	.00000	.00000

*** Pile Head Forces and Displacements In Pile Coordinates During Iterations - Load Case 6 ***

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			/----- (Kips) or (In) -----/			/----- (In-Kips) or (Rad) -----/		
172	8	Old Forces	2326.966	-202.123	169.661	-.008	-77936.066	-93072.102
		Old Displ.	.7859	-25.4882	21.5213	-.00752	.01542	.01808
		New Displ.	.7859	-25.4876	21.5220	-.00752	.01542	.01808
		Diff Displ.	.0000	-.0006	-.0006	.00000	.00000	.00000
182	8	Old Forces	4212.282	-8.808	206.257	-.009	-125276.695	-5385.601
		Old Displ.	1.5030	-1.8384	33.8804	-.00882	.02403	.00166
		New Displ.	1.5030	-1.8373	33.8806	-.00882	.02403	.00166
		Diff Displ.	.0000	-.0010	-.0002	.00000	.00000	.00000

*** Pile Head Load And Deformation Report For Pile Joint 200 Load Case No. 6 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	375.235	-269.376	225.227
	Moment (In-Kips)	.000	-89757.980	-105429.200
Calculated Displacements:	Translational (In)	.0920	-26.0285	21.2944
	Rotational (Rad)	.00000	.01382	.01764

*** Pile Head Load And Deformation Report For Pile Joint 112 Load Case No. 6 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips)

-2170.616 71.832 -389.553

Moment (In-Kips)

-.002 114358.500 21086.730

Calculated Displacements: Translational (In)

-.6746 6.0396 -32.7529

Rotational (Rad)

-.00167 -.02224 -.00410

*** Pile Head Load And Deformation Report For Pile Joint 122 Load Case No. 6 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips)

-261.206 280.940 -209.286

Moment (In-Kips)

-.001 72578.630 98424.410

Calculated Displacements: Translational (In)

-.0544 27.5272 -20.7184

Rotational (Rad)

-.00060 -.01447 -.01881

*** Pile Head Load And Deformation Report For Pile Joint 132 Load Case No. 6 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	-687.907	287.597	-230.147
	Moment (In-Kips)	-.001	77900.420	96968.760
Calculated Displacements:	Translational (In)	-.1818	27.3834	-21.8344
	Rotational (Rad)	-.00081	-.01475	-.01865

*** Pile Head Load And Deformation Report For Pile Joint 142 Load Case No. 6 ***

	Allowable Modifier	2.000		
		X	Y	Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	1385.495	306.794	24.760
	Moment (In-Kips)	.002	-10600.940	128516.900
Calculated Displacements:	Translational (In)	.4562	35.5009	2.7597
	Rotational (Rad)	.00217	.00174	-.02415

*** Pile Head Load And Deformation Report For Pile Joint 15Z Load Case No. 6 ***

	Allowable Modifier	2.000			
			X	Y	Z
Specified Springs:	Translational (Kips/In)				
	Rotational (In-Kips/Rad)	1.00			
Calculated Loads:	Force (Kips)	512.915	-304.018	-43.701	
	Moment (In-Kips)	-.009	16577.490	-112820.900	
Calculated Displacements:	Translational (In)	.1745	-31.2611	-4.3721	
	Rotational (Rad)	-.00924	-.00289	.02188	

*** Pile Head Load And Deformation Report For Pile Joint 162 Load Case No. 6 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	2569.878	-195.811	161.636
	Moment (In-Kips)	-.007	-76800.700	-92568.660
Calculated Displacements:	Translational (In)	.8763	-25.3307	20.6137
	Rotational (Rad)	-.00716	.01444	.01816

*** Pile Head Load And Deformation Report For Pile Joint 172 Load Case No. 6 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/in)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	2326.966	-202.123	169.661
	Moment (In-Kips)	-.008	-77936.060	-93072.100
Calculated Displacements:	Translational (in)	.7859	-25.4882	21.5213
	Rotational (Rad)	-.00752	.01542	.01808

*** Pile Head Load And Deformation Report For Pile Joint 182 Load Case No. 6 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips)

4212.282 -8.808 206.257

Moment (In-Kips)

-1.009 -126276.700 -5385.601

Calculated Displacements: Translational (In)

1.5030 -1.8384 33.8804

Rotational (Rad)

-.00882 .02403 .00166

*** Pile Head Load And Deformation Report For Pile Joint 200 Load Case No. 7 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	375.235	-138.956	294.108
	Moment (In-Kips)	.000	-114838.600	-52830.790
Calculated Displacements:	Translational (In)	.0920	-13.1914	27.0665
	Rotational (Rad)	.00000	.01796	.00930

*** Pile Head Load And Deformation Report For Pile Joint 112 Load Case No. 7 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips) -1879.670 -87.948 -334.737

Moment (In-Kips) -.003 98443.140 -26046.000

Calculated Displacements: Translational (In) -.5716 -7.2160 -27.6033

Rotational (Rad) -.00324 -.01934 .00499

*** Pile Head Load And Deformation Report For Pile Joint 122 Load Case No. 7 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/in)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	-840.247	161.108	-291.642
	Moment (In-Kips)	-.001	93909.340	52273.490
Calculated Displacements:	Translational (in)	-.2293	14.5222	-26.4640
	Rotational (Rad)	-.00146	-.01882	-.01017

*** Pile Head Load And Deformation Report For Pile Joint 132 Load Case No. 7 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	-1040.570	160.941	-308.346
	Moment (In-Kips)	-.002	98933.980	51512.020
Calculated Displacements:	Translational (In)	-.2927	14.4326	-27.5940
	Rotational (Rad)	-.00153	-.01913	-.01006

*** Pile Head Load And Deformation Report For Pile Joint 142 Load Case No. 7 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips)

215.076 304.346 -101.327

Moment (In-Kips)

.001 36207.130 110549.200

Calculated Displacements: Translational (In)

.0839 30.5768 -10.3684

Rotational (Rad)

.00134 -.00741 -.02105

*** Pile Head Load And Deformation Report For Pile Joint 152 Load Case No. 7 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	1677.865	-237.491	78.251
	Moment (In-Kips)	-.008	-31765.210	-96919.290
Calculated Displacements:	Translational (In)	.5554	-26.1448	8.6925
	Rotational (Rad)	-.00842	.00646	.01912

*** File Head Load And Deformation Report For Pile Joint 162 Load Case No. 7 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	2902.218	-93.954	206.327
	Moment (In-Kips)	-.006	-99446.430	-44963.790
Calculated Displacements:	Translational (In)	1.0008	-12.2642	26.3202
	Rotational (Rad)	-.00608	.01905	.00919

*** Pile Head Load And Deformation Report For Pile Joint 172 Load Case No. 7 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips) 2890.470 -94.023 209.517

Moment (In-Kips) -.006 -101144.900 -45287.020

Calculated Displacements: Translational (In) .9964 -12.3534 27.3263

Rotational (Rad) -.00613 .02006 .00917

*** Pile Head Load And Deformation Report For Pile Joint 182 Load Case No. 7 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	3963.531	79.281	188.816
	Moment (In-Kips)	-.007	-108068.900	45486.300
Calculated Displacements:	Translational (In)	1.4084	11.6755	28.7525
	Rotational (Rad)	-.00656	.02076	-.00804

* * * Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 8 * * *

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			/----- (Kips) or (In) -----/			/----- (In-Kips) or (Rad) -----/		
182	9	Old Forces	3270.409	166.817	145.815	-.002	-74539.988	85594.376
		Old Displ.	1.1456	22.4328	19.9428	-.00232	.01444	-.01583
		New Displ.	1.1456	22.4341	19.9419	-.00232	.01444	-.01584
		Diff Displ.	.0000	-.0013	.0009	.00000	.00000	.00000
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 152								
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 162								
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 172								
***** Warning: Axial Deflections Are Off I-Z Curves Pile Joint 182								
200	10	Old Forces	375.235	8.498	314.953	.000	-121851.378	4210.755
		Old Displ.	.0920	.5149	28.6301	.00000	.01919	.00000
		New Displ.	.0920	.5142	28.6301	.00000	.01919	.00000
		Diff Displ.	.0000	.0008	.0000	.00000	.00000	.00000
112	10	Old Forces	-1163.851	-219.146	-223.288	-.004	68959.954	-68195.655
		Old Displ.	-.3333	-18.5998	-19.0691	-.00407	-.01363	.01310
		New Displ.	-.3333	-18.5994	-19.0697	-.00407	-.01363	.01310
		Diff Displ.	.0000	-.0004	.0006	.00000	.00000	.00000
122	10	Old Forces	-1083.155	3.929	-322.924	-.002	100805.190	921.132
		Old Displ.	-.3063	.4126	-28.1386	-.00178	-.02018	-.00041
		New Displ.	-.3063	.4133	-28.1386	-.00178	-.02018	-.00041
		Diff Displ.	.0000	-.0007	.0001	.00000	.00000	.00000
132	10	Old Forces	-1055.776	3.918	-331.113	-.002	104781.697	1027.835
		Old Displ.	-.2976	.3933	-29.0604	-.00177	-.02048	-.00036
		New Displ.	-.2976	.3939	-29.0604	-.00177	-.02048	-.00036
		Diff Displ.	.0000	-.0007	.0000	.00000	.00000	.00000
142	10	Old Forces	-763.122	238.066	-229.013	.000	74301.286	78025.645
		Old Displ.	-.2058	21.6558	-21.0209	.00038	-.01487	-.01502
		New Displ.	-.2058	21.6562	-21.0203	.00038	-.01487	-.01502
		Diff Displ.	.0000	-.0004	-.0006	.00000	.00000	.00000
152	10	Old Forces	2640.779	-147.216	162.840	-.006	-74037.451	-66708.933
		Old Displ.	.9077	-17.8770	19.6004	-.00576	.01453	.01344
		New Displ.	.9077	-17.8777	19.5999	-.00576	.01453	.01344
		Diff Displ.	.0000	.0007	.0005	.00000	.00000	.00000
162	10	Old Forces	2936.187	13.991	220.665	-.004	-105793.190	7032.360
		Old Displ.	1.0135	1.4903	27.9421	-.00372	.02047	-.00077
		New Displ.	1.0135	1.4895	27.9421	-.00372	.02047	-.00077
		Diff Displ.	.0000	.0008	-.0001	.00000	.00000	.00000
172	10	Old Forces	3121.132	13.489	218.166	-.004	-107746.491	6964.792
		Old Displ.	1.0829	1.4763	28.8472	-.00355	.02134	-.00076
		New Displ.	1.0829	1.4754	28.8472	-.00355	.02134	-.00076
		Diff Displ.	.0000	.0008	.0000	.00000	.00000	.00000
182	10	Old Forces	3270.406	166.830	145.804	-.002	-74534.165	85601.188
		Old Displ.	1.1456	22.4341	19.9419	-.00232	.01444	-.01584
		New Displ.	1.1456	22.4334	19.9424	-.00232	.01444	-.01583
		Diff Displ.	.0000	.0007	-.0005	.00000	.00000	.00000

*** Pile Head Load And Deformation Report For Pile Joint 200 Load Case No. 8 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips) 375.235 8.498 314.953

Moment (In-Kips) .000 -121851.400 4210.755

Calculated Displacements: Translational (In) .0920 .5149 28.6301

Rotational (Rad) .00000 .01919 .00000

*** Pile Detail Report For Pile Joint 200 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD	WT	Fy			Axial	Bend.	Axial	Bend.	Total
.00	28.63	88	-374.9	0.	314.4	88	121924.	88	33.00	16.49	36.0	-.44	34.56	.01	.64	.65
2.01	28.15	88	-380.1	0.	313.0	88	114150.	87	33.00	16.49	36.0	-.44	32.95	.01	.60	.61
4.02	27.63	88	-385.3	0.	311.5	88	106392.	87	33.00	16.49	36.0	-.45	30.16	.01	.56	.57
6.04	27.07	88	-390.5	0.	309.8	88	98654.	87	33.00	16.49	36.0	-.46	27.96	.01	.52	.53
8.05	26.47	88	-395.7	0.	308.0	88	90941.	87	33.00	16.49	36.0	-.46	25.78	.01	.48	.49
10.06	25.85	88	-400.9	0.	306.0	88	83257.	87	33.00	16.49	36.0	-.47	23.60	.01	.44	.45
12.07	25.19	88	-406.1	0.	303.9	88	75606.	87	33.00	16.49	36.0	-.47	21.43	.01	.40	.41
14.09	24.51	88	-411.3	0.	301.7	88	67992.	87	33.00	16.49	36.0	-.48	19.27	.01	.36	.37
16.10	23.81	88	-416.5	0.	299.3	88	60419.	87	33.00	16.49	36.0	-.49	17.13	.01	.32	.33
18.11	23.08	88	-421.7	0.	296.8	88	52891.	87	33.00	16.49	36.0	-.49	14.99	.01	.28	.29
20.12	22.34	88	-426.9	0.	294.2	88	45411.	87	33.00	16.49	36.0	-.50	12.87	.01	.24	.25
22.14	21.58	88	-432.1	0.	291.5	88	37985.	87	33.00	16.49	36.0	-.51	10.77	.01	.20	.21
24.15	20.81	88	-437.3	0.	288.7	88	30615.	86	33.00	16.49	36.0	-.51	8.68	.01	.16	.17
26.16	20.03	88	-442.5	0.	285.7	88	23306.	86	33.00	16.49	36.0	-.52	6.61	.01	.12	.13
28.17	19.24	88	-447.7	0.	282.7	88	16065.	85	33.00	16.49	36.0	-.52	4.55	.01	.08	.10
30.19	18.44	88	-452.9	0.	279.6	88	8903.	82	33.00	16.49	36.0	-.53	2.52	.01	.05	.06
32.20	17.64	88	-456.8	0.	270.8	88	1978.	60	33.00	16.49	36.0	-.53	.56	.01	.01	.02
34.21	16.84	88	-459.4	0.	256.6	88	5250.	-81	33.00	16.49	36.0	-.54	1.49	.01	.03	.04
36.22	16.05	88	-461.9	0.	242.6	88	11765.	-86	33.00	16.49	36.0	-.54	3.33	.01	.06	.07
38.23	15.25	88	-464.5	0.	228.9	88	17977.	-88	33.00	16.49	36.0	-.54	5.10	.01	.09	.11
40.25	14.46	88	-467.0	0.	215.3	88	23863.	-89	33.00	16.49	36.0	-.55	6.76	.01	.13	.14
42.26	13.68	88	-469.6	0.	202.1	88	29424.	-89	33.00	16.49	36.0	-.55	8.34	.01	.15	.17
44.27	12.91	88	-472.2	0.	189.1	88	34663.	-90	33.00	16.49	36.0	-.55	9.82	.01	.18	.19
46.28	12.16	88	-474.8	0.	176.3	88	39585.	-90	33.00	16.49	36.0	-.56	11.22	.01	.21	.22
48.30	11.41	88	-477.5	0.	163.9	88	44195.	-90	33.00	16.49	36.0	-.56	12.53	.01	.23	.24
50.31	10.69	88	-480.1	0.	151.7	88	48498.	-90	33.00	16.49	36.0	-.56	13.75	.01	.25	.27
52.32	9.97	88	-482.8	0.	139.7	88	52501.	-90	33.00	16.49	36.0	-.56	14.88	.01	.28	.29
54.33	9.28	88	-485.4	0.	128.1	88	56209.	-90	33.00	16.49	36.0	-.57	15.93	.01	.30	.31
56.35	8.61	88	-488.1	0.	116.7	87	59629.	-90	33.00	16.49	36.0	-.57	16.90	.01	.31	.33
58.36	7.95	88	-490.8	0.	105.7	87	62766.	-90	33.00	16.49	36.0	-.57	17.79	.01	.33	.34
60.37	7.32	88	-493.5	0.	94.9	87	65628.	-90	33.00	16.49	36.0	-.58	18.60	.01	.34	.36
62.38	6.71	88	-496.3	0.	84.5	87	68220.	-90	33.00	16.49	36.0	-.58	19.34	.01	.36	.37
64.40	6.12	88	-499.0	0.	74.3	87	70550.	-90	33.00	16.49	36.0	-.58	20.00	.01	.37	.38
66.41	5.56	88	-501.8	0.	64.5	87	72625.	-91	33.00	16.49	36.0	-.59	20.58	.01	.38	.39
68.42	5.03	88	-504.5	0.	55.0	87	74452.	-91	33.00	16.49	36.0	-.59	21.10	.01	.39	.40
70.43	4.52	88	-507.3	0.	45.9	86	76038.	-91	33.00	16.49	36.0	-.59	21.55	.01	.40	.41
72.44	4.03	88	-510.1	0.	37.1	86	77392.	-91	33.00	16.49	36.0	-.60	21.94	.01	.41	.42
74.46	3.57	88	-512.9	0.	28.7	85	78521.	-91	33.00	16.49	36.0	-.60	22.26	.01	.41	.43
76.47	3.14	88	-515.8	0.	20.6	84	79433.	-91	33.00	16.49	36.0	-.60	22.51	.01	.42	.43
78.48	2.74	88	-518.6	0.	12.9	82	80137.	-91	33.00	16.49	36.0	-.61	22.71	.01	.42	.43
80.49	2.37	88	-521.5	0.	5.7	75	80642.	-91	33.00	16.49	36.0	-.61	22.86	.01	.42	.44
82.51	2.02	88	-524.3	0.	1.9	-46	80958.	-91	33.00	16.49	36.0	-.61	22.95	.01	.42	.44
84.52	1.70	88	-527.2	0.	8.1	-81	81093.	-91	33.00	16.49	36.0	-.62	22.98	.01	.43	.44
86.53	1.41	88	-530.1	0.	14.2	-86	81055.	-91	33.00	16.49	36.0	-.62	22.97	.01	.43	.44
88.54	1.14	88	-533.0	0.	19.9	-87	80854.	-91	33.00	16.49	36.0	-.62	22.92	.01	.42	.44
90.56	.91	88	-536.0	0.	25.2	-88	80500.	-91	33.00	16.49	36.0	-.63	22.82	.01	.42	.44
92.57	.70	88	-538.9	0.	30.1	-88	80004.	-91	33.00	16.49	36.0	-.63	22.68	.01	.42	.43
94.58	.52	88	-541.9	0.	34.5	-89	79375.	-91	33.00	16.49	36.0	-.63	22.50	.01	.42	.43
96.59	.37	88	-544.9	0.	38.4	-89	78626.	-91	33.00	16.49	36.0	-.64	22.29	.01	.41	.43
98.60	.24	88	-547.9	0.	41.8	-89	77768.	-91	33.00	16.49	36.0	-.64	22.04	.01	.41	.42

* * * Pile Detail Report For Pile Joint 200 Load Case No. 8 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile (In)	To Pile (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WI	Fy			Axial	Bend. Total	
100.62	.14	88	-547.5	0.	290.3	268	76813.	-91	33.00	16.49	36.0	-.64	21.77	.01	.40	.42
102.63	.07	88	-543.8	0.	535.0	268	69844.	-91	33.00	16.49	36.0	-.64	19.80	.01	.37	.38
104.64	.02	88	-540.2	0.	604.9	268	56952.	-91	33.00	16.49	36.0	-.63	16.14	.01	.30	.31
106.65	.01	268	-536.6	0.	566.4	268	42361.	-91	33.00	16.49	36.0	-.63	12.01	.01	.22	.24
108.67	.03	268	-533.1	0.	471.1	268	28692.	-91	33.00	16.49	36.0	-.62	8.13	.01	.15	.17
110.68	.03	268	-529.7	0.	356.1	268	17318.	-91	33.00	16.49	36.0	-.62	4.91	.01	.09	.11
112.69	.03	268	-526.4	0.	244.9	268	8717.	-91	33.00	16.49	36.0	-.62	2.47	.01	.05	.06
114.70	.02	268	-523.1	0.	150.4	268	2800.	-91	33.00	16.49	36.0	-.61	.79	.01	.01	.03
116.72	.02	268	-519.9	0.	77.9	268	836.	89	33.00	16.49	36.0	-.61	.24	.01	.00	.02
118.73	.01	268	-516.8	0.	27.2	268	2719.	88	33.00	16.49	36.0	-.60	.77	.01	.01	.03
120.74	.01	268	-513.7	0.	4.5	89	3378.	88	33.00	16.49	36.0	-.60	.96	.01	.02	.03
122.75	.00	268	-510.8	0.	21.3	88	3272.	88	33.00	16.49	36.0	-.60	.93	.01	.02	.03
124.77	.00	-90	-507.8	0.	27.5	88	2759.	88	33.00	16.49	36.0	-.59	.78	.01	.01	.03
126.78	.00	0	-505.0	0.	27.1	88	2095.	88	33.00	16.49	36.0	-.59	.59	.01	.01	.02
128.79	.00	90	-502.2	0.	23.1	88	1440.	88	33.00	16.49	36.0	-.59	.41	.01	.01	.02
130.80	.00	90	-499.5	0.	17.7	88	882.	88	33.00	16.49	36.0	-.58	.25	.01	.00	.02
132.81	.00	90	-496.9	0.	12.2	88	455.	88	33.00	16.49	36.0	-.58	.13	.01	.00	.02
134.83	.00	90	-494.3	0.	7.5	88	160.	88	33.00	16.49	36.0	-.58	.05	.01	.00	.01
136.84	.00	90	-491.8	0.	3.9	88	21.	-90	33.00	16.49	36.0	-.57	.01	.01	.00	.01
138.85	.00	90	-489.4	0.	1.4	88	115.	-91	33.00	16.49	36.0	-.57	.03	.01	.00	.01
140.86	.00	90	-487.0	0.	.2	269	149.	-91	33.00	16.49	36.0	-.57	.04	.01	.00	.01
142.88	.00	90	-484.7	0.	1.0	268	145.	-91	33.00	16.49	36.0	-.57	.04	.01	.00	.01
144.89	.00	0	-482.4	0.	1.3	268	121.	-91	33.00	16.49	36.0	-.56	.03	.01	.00	.01
146.90	.00	0	-480.3	0.	1.2	268	91.	-91	33.00	16.49	36.0	-.56	.03	.01	.00	.01
148.91	.00	0	-478.1	0.	1.1	268	61.	-91	33.00	16.49	36.0	-.56	.02	.01	.00	.01
150.93	.00	0	-475.8	0.	.8	268	35.	-91	33.00	16.49	36.0	-.56	.01	.01	.00	.01
152.94	.00	0	-473.3	0.	.5	268	17.	-91	33.00	16.49	36.0	-.55	.00	.01	.00	.01
154.95	.00	0	-470.8	0.	.2	268	5.	-91	33.00	16.49	36.0	-.55	.00	.01	.00	.01
156.96	.00	0	-468.4	0.	.1	268	0.	97	33.00	16.49	36.0	-.55	.00	.01	.00	.01
158.98	.00	0	-466.1	0.	.0	88	2.	88	33.00	16.49	36.0	-.54	.00	.01	.00	.01
160.99	.00	0	-463.8	0.	.0	88	1.	88	33.00	16.49	36.0	-.54	.00	.01	.00	.01

*** Pile Head Load And Deformation Report For Pile Joint 112 Load Case No. 8 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)
 Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips) -1163.851 -219.146 -223.288
 Moment (In-Kips) -.004 68959.950 -68195.660

Calculated Displacements: Translational (In) -.3333 -18.5998 -19.0691
 Rotational (Rad) -.00407 -.01363 .01310

*** Pile Detail Report For Pile Joint 112 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
.00	26.64	225	1163.1	0.	312.1	225	96985.	-134	42.00	1.75	36.0	5.26	45.36	.12	.84	.96
2.00	26.16	225	1160.0	0.	310.6	225	90046.	-134	42.00	1.75	36.0	5.24	42.12	.12	.78	.90
4.00	25.65	225	1156.9	0.	308.8	225	83190.	-134	42.00	1.75	36.0	5.23	38.91	.12	.72	.84
6.00	25.10	225	1153.9	0.	306.9	225	76416.	-134	42.00	1.75	36.0	5.21	35.74	.12	.66	.78
8.00	24.51	225	1150.8	0.	304.9	225	69726.	-134	42.00	1.75	36.0	5.20	32.61	.12	.60	.72
10.00	23.90	225	1147.8	0.	302.7	225	63118.	-134	42.00	1.75	36.0	5.19	29.52	.12	.55	.67
12.00	23.25	225	1144.8	0.	300.3	225	56593.	-134	42.00	1.75	36.0	5.17	26.47	.12	.49	.61
14.00	22.58	225	1141.8	0.	297.9	225	50151.	-134	42.00	1.75	36.0	5.16	23.46	.12	.43	.55
16.00	21.89	225	1138.8	0.	295.3	225	43792.	-134	42.00	1.75	36.0	5.15	20.48	.12	.38	.50
18.00	21.18	225	1135.8	0.	292.5	225	37515.	-134	42.00	1.75	36.0	5.13	17.55	.12	.32	.44
20.00	20.45	225	1132.9	0.	289.7	225	31320.	-135	42.00	1.75	36.0	5.12	14.65	.12	.27	.39
22.00	19.71	225	1129.9	0.	286.7	225	25208.	-135	42.00	1.75	36.0	5.11	11.79	.12	.22	.34
24.00	18.96	225	1127.0	0.	283.6	225	19177.	-135	42.00	1.75	36.0	5.09	8.97	.12	.17	.28
26.00	18.20	225	1124.1	0.	280.4	225	13228.	-135	42.00	1.75	36.0	5.08	6.19	.12	.11	.23
28.00	17.43	225	1121.1	0.	277.2	225	7362.	-136	42.00	1.75	36.0	5.07	3.44	.12	.06	.18
30.00	16.66	225	1118.2	0.	273.8	225	1594.	-145	42.00	1.75	36.0	5.05	.75	.12	.01	.13
32.00	15.89	225	1115.3	0.	270.3	225	4151.	49	42.00	1.75	36.0	5.04	1.94	.12	.04	.15
34.00	15.12	225	1109.5	0.	260.5	225	9775.	47	42.00	1.75	36.0	5.01	4.57	.12	.08	.20
36.00	14.36	225	1100.8	0.	244.8	225	15178.	46	42.00	1.75	36.0	4.97	7.10	.12	.13	.25
38.00	13.60	225	1092.2	0.	229.4	225	20218.	46	42.00	1.75	36.0	4.94	9.46	.11	.18	.29
40.00	12.85	225	1083.6	0.	214.2	225	24904.	46	42.00	1.75	36.0	4.90	11.65	.11	.22	.33
42.00	12.12	225	1075.1	0.	199.4	225	29245.	46	42.00	1.75	36.0	4.86	13.68	.11	.25	.37
44.00	11.39	225	1066.6	0.	184.8	225	33250.	45	42.00	1.75	36.0	4.82	15.55	.11	.29	.40
46.00	10.68	225	1058.3	0.	170.6	225	36928.	45	42.00	1.75	36.0	4.78	17.27	.11	.32	.43
48.00	9.99	225	1050.0	0.	156.6	225	40286.	45	42.00	1.75	36.0	4.74	18.84	.11	.35	.46
50.00	9.31	225	1041.8	0.	143.0	225	43335.	45	42.00	1.75	36.0	4.71	20.27	.11	.38	.48
52.00	8.65	225	1033.6	0.	129.7	225	46084.	45	42.00	1.75	36.0	4.67	21.56	.11	.40	.51
54.00	8.02	225	1025.6	0.	116.8	225	48539.	45	42.00	1.75	36.0	4.63	22.70	.11	.42	.53
56.00	7.40	225	1017.6	0.	104.2	225	50712.	45	42.00	1.75	36.0	4.60	23.72	.11	.44	.55
58.00	6.81	225	1009.7	0.	92.0	225	52610.	45	42.00	1.75	36.0	4.56	24.61	.11	.46	.56
60.00	6.24	225	1001.9	0.	80.1	225	54242.	45	42.00	1.75	36.0	4.53	25.37	.10	.47	.57
62.00	5.70	225	994.2	0.	68.5	225	55617.	45	42.00	1.75	36.0	4.49	26.01	.10	.48	.59
64.00	5.17	225	986.5	0.	57.4	225	56744.	45	42.00	1.75	36.0	4.46	26.54	.10	.49	.59
66.00	4.68	225	979.0	0.	46.6	225	57632.	45	42.00	1.75	36.0	4.42	26.96	.10	.50	.60
68.00	4.21	225	971.5	0.	36.2	224	58290.	45	42.00	1.75	36.0	4.39	27.26	.10	.50	.61
70.00	3.76	225	964.1	0.	26.2	224	58725.	45	42.00	1.75	36.0	4.36	27.47	.10	.51	.61
72.00	3.35	225	956.7	0.	16.6	224	58949.	45	42.00	1.75	36.0	4.32	27.57	.10	.51	.61
74.00	2.95	225	949.4	0.	7.4	222	58972.	45	42.00	1.75	36.0	4.29	27.58	.10	.51	.61
76.00	2.59	225	942.3	0.	1.4	61	58802.	45	42.00	1.75	36.0	4.26	27.50	.10	.51	.61
78.00	2.25	225	935.1	0.	9.8	47	58448.	45	42.00	1.75	36.0	4.23	27.34	.10	.51	.60
80.00	1.93	225	928.1	0.	17.8	46	57919.	45	42.00	1.75	36.0	4.19	27.09	.10	.50	.60
82.00	1.64	225	921.1	0.	25.4	46	57223.	45	42.00	1.75	36.0	4.16	26.77	.10	.50	.59
84.00	1.38	225	914.2	0.	32.5	46	56371.	45	42.00	1.75	36.0	4.13	26.37	.10	.49	.58
86.00	1.14	225	907.4	0.	39.2	46	55373.	45	42.00	1.75	36.0	4.10	25.90	.09	.48	.57
88.00	.93	225	900.7	0.	45.5	46	54238.	45	42.00	1.75	36.0	4.07	25.37	.09	.47	.56
90.00	.74	225	894.0	0.	51.2	45	52975.	45	42.00	1.75	36.0	4.04	24.78	.09	.46	.55
92.00	.57	225	887.4	0.	56.6	45	51596.	45	42.00	1.75	36.0	4.01	24.13	.09	.45	.54
94.00	.42	225	880.8	0.	61.4	45	50111.	45	42.00	1.75	36.0	3.98	23.44	.09	.43	.53
96.00	.30	225	874.4	0.	65.7	45	48530.	45	42.00	1.75	36.0	3.95	22.70	.09	.42	.51
98.00	.20	225	868.0	0.	68.9	45	46866.	45	42.00	1.75	36.0	3.92	21.92	.09	.41	.50

*** Pile Detail Report For Pile Joint 112 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Axial	Bend.	Total
100.00	.12	225	861.6	0.	70.8	45	45143.	45	42.00	1.75	36.0	3.89	21.12	.09	.39	.48
102.00	.06	225	841.2	0.	293.0	45	43392.	45	42.00	1.75	36.0	3.80	20.30	.09	.38	.46
104.00	.02	225	821.2	0.	373.5	45	36325.	45	42.00	1.75	36.0	3.71	16.99	.09	.31	.40
106.00	.00	46	801.6	0.	364.6	45	27341.	45	42.00	1.75	36.0	3.62	12.79	.08	.24	.32
108.00	.02	45	782.5	0.	307.8	45	18581.	45	42.00	1.75	36.0	3.54	8.69	.08	.16	.24
110.00	.02	45	763.7	0.	232.8	45	11191.	45	42.00	1.75	36.0	3.45	5.23	.08	.10	.18
112.00	.02	45	745.4	0.	158.6	45	5603.	45	42.00	1.75	36.0	3.37	2.62	.08	.05	.13
114.00	.02	45	727.4	0.	96.6	45	1798.	45	42.00	1.75	36.0	3.29	.84	.08	.02	.09
116.00	.01	45	709.8	0.	47.7	45	493.	-134	42.00	1.75	36.0	3.21	.23	.07	.00	.08
118.00	.01	45	692.6	0.	15.0	45	1635.	-134	42.00	1.75	36.0	3.13	.76	.07	.01	.09
120.00	.00	45	675.7	0.	4.6	225	1994.	-134	42.00	1.75	36.0	3.05	.93	.07	.02	.09
122.00	.00	45	659.2	0.	14.4	225	1882.	-134	42.00	1.75	36.0	2.98	.88	.07	.02	.09
124.00	.00	45	643.0	0.	17.3	225	1536.	-134	42.00	1.75	36.0	2.91	.72	.07	.01	.08
126.00	.00	225	627.2	0.	16.3	225	1119.	-134	42.00	1.75	36.0	2.83	.52	.07	.01	.08
128.00	.00	225	611.7	0.	13.2	225	728.	-134	42.00	1.75	36.0	2.76	.34	.06	.01	.07
130.00	.00	225	596.5	0.	9.6	225	411.	-134	42.00	1.75	36.0	2.70	.19	.06	.00	.07
132.00	.00	225	581.6	0.	6.2	225	182.	-134	42.00	1.75	36.0	2.63	.09	.06	.00	.06
134.00	.00	225	567.0	0.	3.4	225	34.	-134	42.00	1.75	36.0	2.56	.02	.06	.00	.06
136.00	.00	225	552.7	0.	1.4	225	48.	45	42.00	1.75	36.0	2.50	.02	.06	.00	.06
138.00	.00	225	538.7	0.	.2	225	82.	45	42.00	1.75	36.0	2.43	.04	.06	.00	.06
140.00	.00	-90	525.0	0.	.5	45	87.	45	42.00	1.75	36.0	2.37	.04	.05	.00	.05
142.00	.00	0	511.5	0.	.8	45	75.	45	42.00	1.75	36.0	2.31	.04	.05	.00	.05
144.00	.00	0	498.4	0.	.8	45	57.	45	42.00	1.75	36.0	2.25	.03	.05	.00	.05
146.00	.00	0	485.4	0.	.7	45	39.	45	42.00	1.75	36.0	2.19	.02	.05	.00	.05
148.00	.00	0	472.8	0.	.5	45	23.	45	42.00	1.75	36.0	2.14	.01	.05	.00	.05
150.00	.00	0	460.3	0.	.3	45	11.	45	42.00	1.75	36.0	2.08	.01	.05	.00	.05
152.00	.00	0	447.8	0.	.2	45	3.	45	42.00	1.75	36.0	2.02	.00	.05	.00	.05
154.00	.00	0	435.0	0.	.1	45	2.	-134	42.00	1.75	36.0	1.97	.00	.05	.00	.05
156.00	.00	0	422.6	0.	.0	45	4.	-134	42.00	1.75	36.0	1.91	.00	.04	.00	.04
158.00	.00	0	410.3	0.	.0	225	4.	-134	42.00	1.75	36.0	1.85	.00	.04	.00	.04
160.00	.00	0	398.3	0.	.0	225	3.	-134	42.00	1.75	36.0	1.80	.00	.04	.00	.04
162.00	.00	0	386.6	0.	.0	225	2.	-134	42.00	1.75	36.0	1.75	.00	.04	.00	.04
164.00	.00	0	375.0	0.	.0	225	1.	-134	42.00	1.75	36.0	1.69	.00	.04	.00	.04
166.00	.00	0	363.6	0.	.0	225	1.	-134	42.00	1.75	36.0	1.64	.00	.04	.00	.04
168.00	.00	0	352.5	0.	.0	225	0.	-134	42.00	1.75	36.0	1.59	.00	.04	.00	.04
170.00	.00	0	341.6	0.	.0	225	0.	46	42.00	1.50	36.0	1.79	.00	.04	.00	.04
172.00	.00	0	331.1	0.	.0	225	0.	45	42.00	1.50	36.0	1.73	.00	.04	.00	.04
174.00	.00	0	320.7	0.	.0	45	0.	45	42.00	1.50	36.0	1.68	.00	.04	.00	.04
176.00	.00	0	310.6	0.	.0	45	0.	45	42.00	1.50	36.0	1.63	.00	.04	.00	.04
178.00	.00	0	300.7	0.	.0	45	0.	45	42.00	1.50	36.0	1.58	.00	.04	.00	.04
180.00	.00	0	291.1	0.	.0	45	0.	45	42.00	1.25	36.0	1.82	.00	.04	.00	.04
182.00	.00	0	281.8	0.	.0	45	0.	45	42.00	1.25	36.0	1.76	.00	.04	.00	.04
184.00	.00	0	272.7	0.	.0	45	0.	45	42.00	1.25	36.0	1.70	.00	.04	.00	.04
186.00	.00	0	263.9	0.	.0	45	0.	-134	42.00	1.25	36.0	1.65	.00	.04	.00	.04
188.00	.00	0	255.2	0.	.0	0	0.	-134	42.00	1.25	36.0	1.59	.00	.04	.00	.04
190.00	.00	0	246.9	0.	.0	0	0.	-134	42.00	1.00	36.0	1.92	.00	.04	.00	.04
192.00	.00	0	238.9	0.	.0	0	0.	-134	42.00	1.00	36.0	1.85	.00	.04	.00	.04
194.00	.00	0	231.1	0.	.0	0	0.	-134	42.00	1.00	36.0	1.79	.00	.04	.00	.04
196.00	.00	0	223.5	0.	.0	0	0.	-134	42.00	1.00	36.0	1.74	.00	.04	.00	.04
198.00	.00	0	216.2	0.	.0	0	0.	-134	42.00	1.00	36.0	1.68	.00	.04	.00	.04

*** Pile Detail Report For Pile Joint 112 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend. Total	
200.00	.00	0	209.0	0.	.0	0	0.	-90	42.00	1.00	36.0	1.62	.00	.04	.00	.04
202.00	.00	0	202.1	0.	.0	0	0.	45	42.00	1.00	36.0	1.57	.00	.04	.00	.04
204.00	.00	0	195.3	0.	.0	0	0.	45	42.00	1.00	36.0	1.52	.00	.04	.00	.04
206.00	.00	0	188.8	0.	.0	0	0.	45	42.00	1.00	36.0	1.47	.00	.03	.00	.03
208.00	.00	0	182.4	0.	.0	0	0.	-90	42.00	1.00	36.0	1.42	.00	.03	.00	.03
210.00	.00	0	176.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.37	.00	.03	.00	.03
212.00	.00	0	170.1	0.	.0	0	0.	-90	42.00	1.00	36.0	1.32	.00	.03	.00	.03
214.00	.00	0	162.3	0.	.0	0	0.	-90	42.00	1.00	36.0	1.26	.00	.03	.00	.03
216.00	.00	0	154.6	0.	.0	0	0.	-90	42.00	1.00	36.0	1.20	.00	.03	.00	.03
218.00	.00	0	147.1	0.	.0	0	0.	-90	42.00	1.00	36.0	1.14	.00	.03	.00	.03
220.00	.00	0	139.9	0.	.0	0	0.	-90	42.00	1.00	36.0	1.09	.00	.03	.00	.03
222.00	.00	0	132.8	0.	.0	0	0.	-90	42.00	1.00	36.0	1.03	.00	.02	.00	.02
224.00	.00	0	125.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.98	.00	.02	.00	.02
226.00	.00	0	119.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.93	.00	.02	.00	.02
228.00	.00	0	112.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.87	.00	.02	.00	.02
230.00	.00	0	106.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.82	.00	.02	.00	.02
232.00	.00	0	100.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.78	.00	.02	.00	.02
234.00	.00	0	93.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.73	.00	.02	.00	.02
236.00	.00	0	87.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.68	.00	.02	.00	.02
238.00	.00	0	81.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.64	.00	.01	.00	.01
240.00	.00	0	76.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.59	.00	.01	.00	.01
242.00	.00	0	70.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.55	.00	.01	.00	.01
244.00	.00	0	64.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.50	.00	.01	.00	.01
246.00	.00	0	59.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.46	.00	.01	.00	.01
248.00	.00	0	53.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.42	.00	.01	.00	.01
250.00	.00	0	48.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.38	.00	.01	.00	.01
252.00	.00	0	43.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.34	.00	.01	.00	.01
254.00	.00	0	38.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.30	.00	.01	.00	.01
256.00	.00	0	32.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.26	.00	.01	.00	.01
258.00	.00	0	27.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.22	.00	.00	.00	.00
260.00	.00	0	22.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.18	.00	.00	.00	.00
262.00	.00	0	17.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.14	.00	.00	.00	.00
264.00	.00	0	12.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.10	.00	.00	.00	.00
266.00	.00	0	7.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.06	.00	.00	.00	.00
268.00	.00	0	2.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.02	.00	.00	.00	.00

*** Pile Head Load And Deformation Report For Pile Joint 122 Load Case No. 8 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)
 Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips) -1083.155 3.929 -322.924
 Moment (In-Kips) -.002 100805.200 921.132

Calculated Displacements: Translational (In) -.3063 .4126 -28.1386
 Rotational (Rad) -.00178 -.02018 -.00041

*** Pile Detail Report For Pile Joint 122 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal Value (in)	To Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (in)	WT	Fy (KSI)	(KSI)	(KSI)	Axial	Bend.	Total
.00	28.14	-89	1082.4	0.	322.2	-89	100809.	-89	42.00	1.75	36.0	4.89	47.15	.11	.87	.99
2.00	27.64	-89	1079.4	0.	320.6	-89	93624.	-89	42.00	1.75	36.0	4.88	43.79	.11	.81	.92
4.00	27.09	-89	1076.4	0.	318.8	-89	86521.	-89	42.00	1.75	36.0	4.86	40.47	.11	.75	.86
6.00	26.50	-89	1073.4	0.	316.9	-89	79500.	-89	42.00	1.75	36.0	4.85	37.19	.11	.69	.80
8.00	25.88	-89	1070.5	0.	314.8	-89	72561.	-89	42.00	1.75	36.0	4.84	33.94	.11	.63	.74
10.00	25.23	-89	1067.5	0.	312.6	-89	65705.	-89	42.00	1.75	36.0	4.82	30.73	.11	.57	.68
12.00	24.55	-89	1064.6	0.	310.2	-89	58932.	-89	42.00	1.75	36.0	4.81	27.56	.11	.51	.62
14.00	23.84	-89	1061.6	0.	307.7	-89	52242.	-89	42.00	1.75	36.0	4.80	24.44	.11	.45	.56
16.00	23.11	-89	1058.7	0.	305.0	-89	45634.	-89	42.00	1.75	36.0	4.78	21.34	.11	.40	.51
18.00	22.35	-89	1055.8	0.	302.3	-89	39109.	-89	42.00	1.75	36.0	4.77	18.29	.11	.34	.45
20.00	21.59	-89	1052.9	0.	299.4	-89	32667.	-89	42.00	1.75	36.0	4.76	15.28	.11	.28	.39
22.00	20.80	-89	1050.0	0.	296.3	-89	26308.	-89	42.00	1.75	36.0	4.75	12.31	.11	.23	.34
24.00	20.01	-89	1047.1	0.	293.2	-89	20031.	-90	42.00	1.75	36.0	4.73	9.37	.11	.17	.28
26.00	19.20	-89	1044.3	0.	289.9	-89	13837.	-90	42.00	1.75	36.0	4.72	6.47	.11	.12	.23
28.00	18.39	-89	1041.4	0.	286.6	-89	7726.	-91	42.00	1.75	36.0	4.71	3.61	.11	.07	.18
30.00	17.58	-89	1038.6	0.	283.1	-89	1709.	-97	42.00	1.75	36.0	4.69	.80	.11	.01	.12
32.00	16.77	-89	1035.7	0.	279.6	-89	4266.	93	42.00	1.75	36.0	4.68	2.00	.11	.04	.15
34.00	15.95	-89	1030.1	0.	269.7	-89	10131.	92	42.00	1.75	36.0	4.66	4.74	.11	.09	.20
36.00	15.15	-89	1021.8	0.	253.7	-89	15769.	91	42.00	1.75	36.0	4.62	7.38	.11	.14	.24
38.00	14.35	-89	1013.5	0.	237.9	-89	21038.	91	42.00	1.75	36.0	4.58	9.84	.11	.18	.29
40.00	13.55	-89	1005.3	0.	222.5	-89	25946.	91	42.00	1.75	36.0	4.54	12.14	.11	.22	.33
42.00	12.77	-89	997.2	0.	207.4	-89	30501.	91	42.00	1.75	36.0	4.51	14.27	.10	.26	.37
44.00	12.01	-89	989.2	0.	192.6	-89	34714.	91	42.00	1.75	36.0	4.47	16.24	.10	.30	.40
46.00	11.26	-89	981.2	0.	178.1	-89	38592.	91	42.00	1.75	36.0	4.43	18.05	.10	.33	.44
48.00	10.52	-89	973.3	0.	163.9	-89	42146.	90	42.00	1.75	36.0	4.40	19.71	.10	.37	.47
50.00	9.81	-89	965.5	0.	150.1	-89	45383.	90	42.00	1.75	36.0	4.36	21.23	.10	.39	.49
52.00	9.11	-89	957.8	0.	136.6	-89	48313.	90	42.00	1.75	36.0	4.33	22.60	.10	.42	.52
54.00	8.44	-89	950.2	0.	123.4	-89	50944.	90	42.00	1.75	36.0	4.29	23.83	.10	.44	.54
56.00	7.78	-89	942.6	0.	110.6	-89	53286.	90	42.00	1.75	36.0	4.26	24.92	.10	.46	.56
58.00	7.16	-89	935.1	0.	98.1	-89	55348.	90	42.00	1.75	36.0	4.23	25.89	.10	.48	.58
60.00	6.55	-89	927.7	0.	86.0	-89	57139.	90	42.00	1.75	36.0	4.19	26.73	.10	.49	.59
62.00	5.97	-89	920.3	0.	74.3	-89	58667.	90	42.00	1.75	36.0	4.16	27.44	.10	.51	.60
64.00	5.42	-89	913.1	0.	63.0	-89	59942.	90	42.00	1.75	36.0	4.13	28.04	.10	.52	.61
66.00	4.90	-89	905.8	0.	52.0	-89	60973.	90	42.00	1.75	36.0	4.09	28.52	.09	.53	.62
68.00	4.40	-89	898.7	0.	41.5	-89	61770.	90	42.00	1.75	36.0	4.06	28.89	.09	.54	.63
70.00	3.93	-89	891.7	0.	31.3	-89	62341.	90	42.00	1.75	36.0	4.03	29.16	.09	.54	.63
72.00	3.48	-89	884.7	0.	21.6	269	62696.	90	42.00	1.75	36.0	4.00	29.33	.09	.54	.64
74.00	3.06	-89	877.7	0.	12.3	269	62846.	90	42.00	1.75	36.0	3.97	29.40	.09	.54	.64
76.00	2.68	-89	870.9	0.	3.4	265	62800.	90	42.00	1.75	36.0	3.94	29.37	.09	.54	.64
78.00	2.32	-89	864.1	0.	5.1	94	62568.	90	42.00	1.75	36.0	3.90	29.27	.09	.54	.63
80.00	1.98	-89	857.4	0.	13.2	92	62158.	90	42.00	1.75	36.0	3.87	29.07	.09	.54	.63
82.00	1.68	-89	850.8	0.	20.8	91	61579.	90	42.00	1.75	36.0	3.84	28.80	.09	.53	.62
84.00	1.40	-89	844.2	0.	27.9	91	60844.	90	42.00	1.75	36.0	3.81	28.46	.09	.53	.62
86.00	1.15	-89	837.7	0.	34.7	91	59961.	90	42.00	1.75	36.0	3.79	28.05	.09	.52	.61
88.00	.92	-89	831.2	0.	40.9	91	58940.	90	42.00	1.75	36.0	3.76	27.57	.09	.51	.60
90.00	.72	-89	824.8	0.	46.6	91	57793.	90	42.00	1.75	36.0	3.73	27.03	.09	.50	.59
92.00	.55	-89	818.5	0.	51.9	91	56531.	90	42.00	1.75	36.0	3.70	26.44	.09	.49	.58
94.00	.40	-89	812.3	0.	56.6	91	55163.	90	42.00	1.75	36.0	3.67	25.80	.08	.48	.56
96.00	.28	-89	806.1	0.	60.8	91	53703.	90	42.00	1.75	36.0	3.64	25.12	.08	.47	.55
98.00	.18	-89	800.0	0.	63.6	90	52162.	90	42.00	1.75	36.0	3.62	24.40	.08	.45	.54

* * * Pile Detail Report For Pile Joint 122 Load Case No. 8 * * *

Dist. Along Pile (Ft)	Deflection		Axial		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.10	-89	787.4	0.	237.6	90	50573.	90	42.00	1.75	36.0	3.56	23.66	.08	.44	.52
102.00	.04	-89	768.7	0.	393.8	90	44827.	90	42.00	1.75	36.0	3.47	20.97	.08	.39	.47
104.00	.01	-90	750.4	0.	423.3	90	35347.	90	42.00	1.75	36.0	3.39	16.53	.08	.31	.38
106.00	.01	90	732.5	0.	379.0	90	25173.	90	42.00	1.75	36.0	3.31	11.77	.08	.22	.29
108.00	.02	90	715.0	0.	300.6	90	16070.	90	42.00	1.75	36.0	3.23	7.52	.07	.14	.21
110.00	.02	90	697.9	0.	214.7	90	8855.	90	42.00	1.75	36.0	3.15	4.14	.07	.08	.15
112.00	.02	90	681.1	0.	137.2	90	3703.	90	42.00	1.75	36.0	3.08	1.73	.07	.03	.10
114.00	.02	90	664.7	0.	75.4	90	414.	90	42.00	1.75	36.0	3.00	.19	.07	.00	.07
116.00	.01	90	648.6	0.	31.2	90	1394.	-89	42.00	1.75	36.0	2.93	.65	.07	.01	.08
118.00	.01	90	632.8	0.	3.0	90	2141.	-89	42.00	1.75	36.0	2.86	1.00	.07	.02	.08
120.00	.00	90	617.4	0.	12.4	-89	2211.	-89	42.00	1.75	36.0	2.79	1.03	.06	.02	.08
122.00	.00	90	602.3	0.	18.7	-89	1911.	-89	42.00	1.75	36.0	2.72	.89	.06	.02	.08
124.00	.00	90	587.5	0.	19.2	-89	1461.	-89	42.00	1.75	36.0	2.65	.68	.06	.01	.07
126.00	.00	-90	573.0	0.	16.5	-89	1000.	-89	42.00	1.75	36.0	2.59	.47	.06	.01	.07
128.00	.00	-90	558.8	0.	12.5	-89	604.	-89	42.00	1.75	36.0	2.53	.28	.06	.01	.06
130.00	.00	-90	544.9	0.	8.5	-89	303.	-89	42.00	1.75	36.0	2.46	.14	.06	.00	.06
132.00	.00	-90	531.3	0.	5.1	-89	99.	-89	42.00	1.75	36.0	2.40	.05	.06	.00	.06
134.00	.00	-90	518.0	0.	2.5	-89	22.	90	42.00	1.75	36.0	2.34	.01	.05	.00	.05
136.00	.00	-90	504.9	0.	.7	-89	81.	90	42.00	1.75	36.0	2.28	.04	.05	.00	.05
138.00	.00	-90	492.1	0.	.3	90	99.	90	42.00	1.75	36.0	2.22	.05	.05	.00	.05
140.00	.00	0	479.5	0.	.8	90	92.	90	42.00	1.75	36.0	2.17	.04	.05	.00	.05
142.00	.00	0	467.2	0.	.9	90	73.	90	42.00	1.75	36.0	2.11	.03	.05	.00	.05
144.00	.00	0	455.2	0.	.8	90	52.	90	42.00	1.75	36.0	2.06	.02	.05	.00	.05
146.00	.00	0	443.3	0.	.6	90	32.	90	42.00	1.75	36.0	2.00	.02	.05	.00	.05
148.00	.00	0	431.7	0.	.5	90	17.	90	42.00	1.75	36.0	1.95	.01	.05	.00	.05
150.00	.00	0	420.0	0.	.3	90	6.	90	42.00	1.75	36.0	1.90	.00	.04	.00	.04
152.00	.00	0	408.2	0.	.1	90	1.	-89	42.00	1.75	36.0	1.84	.00	.04	.00	.04
154.00	.00	0	396.6	0.	.0	90	4.	-89	42.00	1.75	36.0	1.79	.00	.04	.00	.04
156.00	.00	0	385.2	0.	.0	-89	5.	-89	42.00	1.75	36.0	1.74	.00	.04	.00	.04
158.00	.00	0	374.0	0.	.0	-89	4.	-89	42.00	1.75	36.0	1.69	.00	.04	.00	.04
160.00	.00	0	363.0	0.	.0	-89	3.	-89	42.00	1.75	36.0	1.64	.00	.04	.00	.04
162.00	.00	0	352.2	0.	.0	-89	2.	-89	42.00	1.75	36.0	1.59	.00	.04	.00	.04
164.00	.00	0	341.6	0.	.0	-89	1.	-89	42.00	1.75	36.0	1.54	.00	.04	.00	.04
166.00	.00	0	331.2	0.	.0	-89	0.	-89	42.00	1.75	36.0	1.50	.00	.03	.00	.03
168.00	.00	0	321.0	0.	.0	-90	0.	-89	42.00	1.75	36.0	1.45	.00	.03	.00	.03
170.00	.00	0	311.1	0.	.0	-90	0.	90	42.00	1.50	36.0	1.63	.00	.04	.00	.04
172.00	.00	0	301.5	0.	.0	90	0.	90	42.00	1.50	36.0	1.58	.00	.04	.00	.04
174.00	.00	0	292.1	0.	.0	90	0.	90	42.00	1.50	36.0	1.53	.00	.04	.00	.04
176.00	.00	0	282.8	0.	.0	90	0.	90	42.00	1.50	36.0	1.48	.00	.03	.00	.03
178.00	.00	0	273.8	0.	.0	90	0.	90	42.00	1.50	36.0	1.43	.00	.03	.00	.03
180.00	.00	0	265.0	0.	.0	90	0.	90	42.00	1.25	36.0	1.66	.00	.04	.00	.04
182.00	.00	0	256.5	0.	.0	90	0.	90	42.00	1.25	36.0	1.60	.00	.04	.00	.04
184.00	.00	0	248.3	0.	.0	90	0.	90	42.00	1.25	36.0	1.55	.00	.04	.00	.04
186.00	.00	0	240.2	0.	.0	0	0.	-89	42.00	1.25	36.0	1.50	.00	.03	.00	.03
188.00	.00	0	232.3	0.	.0	0	0.	-89	42.00	1.25	36.0	1.45	.00	.03	.00	.03
190.00	.00	0	224.7	0.	.0	0	0.	-89	42.00	1.00	36.0	1.74	.00	.04	.00	.04
192.00	.00	0	217.4	0.	.0	0	0.	-89	42.00	1.00	36.0	1.69	.00	.04	.00	.04
194.00	.00	0	210.3	0.	.0	0	0.	-89	42.00	1.00	36.0	1.63	.00	.04	.00	.04
196.00	.00	0	203.4	0.	.0	0	0.	-89	42.00	1.00	36.0	1.58	.00	.04	.00	.04
198.00	.00	0	196.8	0.	.0	0	0.	-89	42.00	1.00	36.0	1.53	.00	.04	.00	.04

*** Pile Detail Report For Pile Joint 122 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Value (In)	Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
200.00	.00	0	190.3	0.	.0	0	0.	90	42.00	1.00	36.0	1.48	.00	.03	.00	.03
202.00	.00	0	184.0	0.	.0	0	0.	90	42.00	1.00	36.0	1.43	.00	.03	.00	.03
204.00	.00	0	177.8	0.	.0	0	0.	90	42.00	1.00	36.0	1.38	.00	.03	.00	.03
206.00	.00	0	171.9	0.	.0	0	0.	90	42.00	1.00	36.0	1.33	.00	.03	.00	.03
208.00	.00	0	166.0	0.	.0	0	0.	-90	42.00	1.00	36.0	1.29	.00	.03	.00	.03
210.00	.00	0	160.4	0.	.0	0	0.	-90	42.00	1.00	36.0	1.25	.00	.03	.00	.03
212.00	.00	0	154.0	0.	.0	0	0.	-90	42.00	1.00	36.0	1.20	.00	.03	.00	.03
214.00	.00	0	146.9	0.	.0	0	0.	-90	42.00	1.00	36.0	1.14	.00	.03	.00	.03
216.00	.00	0	139.9	0.	.0	0	0.	-90	42.00	1.00	36.0	1.09	.00	.03	.00	.03
218.00	.00	0	133.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.03	.00	.02	.00	.02
220.00	.00	0	126.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.98	.00	.02	.00	.02
222.00	.00	0	120.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.93	.00	.02	.00	.02
224.00	.00	0	114.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.88	.00	.02	.00	.02
226.00	.00	0	107.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.84	.00	.02	.00	.02
228.00	.00	0	102.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.79	.00	.02	.00	.02
230.00	.00	0	96.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.75	.00	.02	.00	.02
232.00	.00	0	90.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.70	.00	.02	.00	.02
234.00	.00	0	84.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.66	.00	.02	.00	.02
236.00	.00	0	79.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.62	.00	.01	.00	.01
238.00	.00	0	74.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.58	.00	.01	.00	.01
240.00	.00	0	68.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.53	.00	.01	.00	.01
242.00	.00	0	63.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.49	.00	.01	.00	.01
244.00	.00	0	58.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.46	.00	.01	.00	.01
246.00	.00	0	53.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.42	.00	.01	.00	.01
248.00	.00	0	48.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.38	.00	.01	.00	.01
250.00	.00	0	44.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.34	.00	.01	.00	.01
252.00	.00	0	39.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.30	.00	.01	.00	.01
254.00	.00	0	34.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.27	.00	.01	.00	.01
256.00	.00	0	29.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.23	.00	.01	.00	.01
258.00	.00	0	25.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.20	.00	.00	.00	.00
260.00	.00	0	20.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.16	.00	.00	.00	.00
262.00	.00	0	15.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.12	.00	.00	.00	.00
264.00	.00	0	11.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
266.00	.00	0	6.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
268.00	.00	0	2.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.02	.00	.00	.00	.00

*** Pile Head Load And Deformation Report For Pile Joint 132 Load Case No. 8 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips) -1055.776 3.918 -331.113

Moment (In-Kips) -.002 104781.700 1027.835

Calculated Displacements: Translational (In) -.2976 .3933 -29.0604

Rotational (Rad) -.00177 -.02048 -.00036

*** Pile Detail Report For Pile Joint 132 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)	(KSI)	(KSI)	Axial	Bend.	Total
.00	29.06	-89	1055.0	0.	330.4	-89	104787.	-89	42.00	1.75	36.0	4.77	49.01	.11	.91	1.02
2.00	28.55	-89	1052.1	0.	328.8	-89	97400.	-89	42.00	1.75	36.0	4.75	45.56	.11	.84	.96
4.00	27.99	-89	1049.1	0.	327.0	-89	90096.	-89	42.00	1.75	36.0	4.74	42.14	.11	.78	.89
6.00	27.39	-89	1046.1	0.	325.0	-89	82875.	-89	42.00	1.75	36.0	4.73	38.76	.11	.72	.83
8.00	26.76	-89	1043.2	0.	322.9	-89	75738.	-89	42.00	1.75	36.0	4.71	35.43	.11	.66	.77
10.00	26.09	-89	1040.3	0.	320.6	-89	68685.	-89	42.00	1.75	36.0	4.70	32.13	.11	.59	.70
12.00	25.40	-89	1037.3	0.	318.2	-89	61715.	-89	42.00	1.75	36.0	4.69	28.87	.11	.53	.64
14.00	24.67	-89	1034.4	0.	315.7	-89	54830.	-89	42.00	1.75	36.0	4.67	25.65	.11	.47	.58
16.00	23.92	-89	1031.5	0.	313.0	-89	48028.	-89	42.00	1.75	36.0	4.66	22.46	.11	.42	.52
18.00	23.15	-89	1028.6	0.	310.2	-89	41311.	-89	42.00	1.75	36.0	4.65	19.32	.11	.36	.47
20.00	22.36	-89	1025.8	0.	307.3	-89	34677.	-89	42.00	1.75	36.0	4.64	16.22	.11	.30	.41
22.00	21.56	-89	1022.9	0.	304.2	-89	28128.	-89	42.00	1.75	36.0	4.62	13.16	.11	.24	.35
24.00	20.74	-89	1020.0	0.	301.0	-89	21662.	-89	42.00	1.75	36.0	4.61	10.13	.11	.19	.29
26.00	19.92	-89	1017.2	0.	297.8	-89	15280.	-89	42.00	1.75	36.0	4.60	7.15	.11	.13	.24
28.00	19.08	-89	1014.4	0.	294.4	-89	8982.	-90	42.00	1.75	36.0	4.58	4.20	.11	.08	.18
30.00	18.25	-89	1011.5	0.	290.9	-89	2771.	-92	42.00	1.75	36.0	4.57	1.30	.11	.02	.13
32.00	17.41	-89	1008.7	0.	287.3	-89	3372.	93	42.00	1.75	36.0	4.56	1.58	.11	.03	.13
34.00	16.57	-89	1003.2	0.	277.2	-89	9420.	91	42.00	1.75	36.0	4.53	4.41	.10	.08	.19
36.00	15.74	-89	995.0	0.	261.0	-89	15237.	91	42.00	1.75	36.0	4.50	7.13	.10	.13	.24
38.00	14.91	-89	986.8	0.	245.1	-89	20679.	91	42.00	1.75	36.0	4.46	9.67	.10	.18	.28
40.00	14.10	-89	978.8	0.	229.4	-89	25754.	91	42.00	1.75	36.0	4.42	12.05	.10	.22	.33
42.00	13.29	-89	970.8	0.	214.1	-89	30472.	90	42.00	1.75	36.0	4.39	14.25	.10	.26	.37
44.00	12.50	-89	962.9	0.	199.1	-89	34842.	90	42.00	1.75	36.0	4.35	16.30	.10	.30	.40
46.00	11.72	-89	955.1	0.	184.4	-89	38873.	90	42.00	1.75	36.0	4.32	18.18	.10	.34	.44
48.00	10.96	-89	947.4	0.	170.1	-89	42574.	90	42.00	1.75	36.0	4.28	19.91	.10	.37	.47
50.00	10.22	-89	939.7	0.	156.0	-89	45953.	90	42.00	1.75	36.0	4.25	21.49	.10	.40	.50
52.00	9.50	-89	932.1	0.	142.3	-89	49020.	90	42.00	1.75	36.0	4.21	22.93	.10	.42	.52
54.00	8.80	-89	924.6	0.	129.0	-89	51785.	90	42.00	1.75	36.0	4.18	24.22	.10	.45	.55
56.00	8.13	-89	917.2	0.	116.0	-89	54255.	90	42.00	1.75	36.0	4.14	25.38	.10	.47	.57
58.00	7.48	-89	909.8	0.	103.3	-89	56441.	90	42.00	1.75	36.0	4.11	26.40	.10	.49	.58
60.00	6.85	-89	902.5	0.	91.1	-89	58350.	90	42.00	1.75	36.0	4.08	27.29	.09	.51	.60
62.00	6.25	-89	895.3	0.	79.1	-89	59993.	90	42.00	1.75	36.0	4.05	28.06	.09	.52	.61
64.00	5.67	-89	888.1	0.	67.6	-89	61378.	90	42.00	1.75	36.0	4.01	28.71	.09	.53	.62
66.00	5.13	-89	881.0	0.	56.5	-89	62516.	90	42.00	1.75	36.0	3.98	29.24	.09	.54	.63
68.00	4.61	-89	874.0	0.	45.8	-89	63414.	90	42.00	1.75	36.0	3.95	29.66	.09	.55	.64
70.00	4.12	-89	867.0	0.	35.4	-89	64083.	90	42.00	1.75	36.0	3.92	29.97	.09	.56	.65
72.00	3.65	-89	860.2	0.	25.5	-89	64532.	90	42.00	1.75	36.0	3.89	30.18	.09	.56	.65
74.00	3.22	-89	853.4	0.	16.1	269	64771.	90	42.00	1.75	36.0	3.86	30.30	.09	.56	.65
76.00	2.81	-89	846.6	0.	7.1	268	64811.	90	42.00	1.75	36.0	3.83	30.31	.09	.56	.65
78.00	2.44	-89	839.9	0.	1.6	99	64662.	90	42.00	1.75	36.0	3.80	30.24	.09	.56	.65
80.00	2.09	-89	833.3	0.	9.8	92	64331.	90	42.00	1.75	36.0	3.77	30.09	.09	.56	.64
82.00	1.77	-89	826.8	0.	17.6	91	63829.	90	42.00	1.75	36.0	3.74	29.86	.09	.55	.64
84.00	1.47	-89	820.3	0.	24.8	91	63166.	90	42.00	1.75	36.0	3.71	29.55	.09	.55	.63
86.00	1.21	-89	813.9	0.	31.7	91	62353.	90	42.00	1.75	36.0	3.68	29.16	.09	.54	.63
88.00	.97	-89	807.5	0.	38.1	91	61400.	90	42.00	1.75	36.0	3.65	28.72	.08	.53	.62
90.00	.76	-89	801.2	0.	43.9	90	60318.	90	42.00	1.75	36.0	3.62	28.21	.08	.52	.61
92.00	.58	-89	795.0	0.	49.3	90	59118.	90	42.00	1.75	36.0	3.59	27.65	.08	.51	.60
94.00	.42	-89	788.9	0.	54.1	90	57811.	90	42.00	1.75	36.0	3.56	27.04	.08	.50	.58
96.00	.29	-89	782.8	0.	58.3	90	56410.	90	42.00	1.75	36.0	3.54	26.39	.08	.49	.57
98.00	.19	-89	776.8	0.	61.3	90	54927.	90	42.00	1.75	36.0	3.51	25.69	.08	.48	.56

* * * Pile Detail Report For Pile Joint 132 Load Case No. 8 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.11	-89	764.5	0.	246.8	90	53392.	90	42.00	1.75	36.0	3.46	24.97	.08	.46	.54
102.00	.05	-89	746.4	0.	414.2	90	47425.	90	42.00	1.75	36.0	3.37	22.18	.08	.41	.49
104.00	.01	-90	728.6	0.	446.9	90	37457.	90	42.00	1.75	36.0	3.29	17.52	.08	.32	.40
106.00	.01	90	711.2	0.	401.0	90	26717.	90	42.00	1.75	36.0	3.21	12.50	.07	.23	.31
108.00	.02	90	694.2	0.	318.5	90	17087.	90	42.00	1.75	36.0	3.14	7.99	.07	.15	.22
110.00	.02	90	677.6	0.	227.9	90	9441.	90	42.00	1.75	36.0	3.06	4.42	.07	.08	.15
112.00	.02	90	661.2	0.	145.9	90	3974.	90	42.00	1.75	36.0	2.99	1.86	.07	.03	.10
114.00	.02	90	645.3	0.	80.4	90	476.	90	42.00	1.75	36.0	2.92	.22	.07	.00	.07
116.00	.01	90	629.7	0.	33.5	90	1451.	-89	42.00	1.75	36.0	2.85	.68	.07	.01	.08
118.00	.01	90	614.3	0.	3.5	90	2253.	-89	42.00	1.75	36.0	2.78	1.05	.06	.02	.08
120.00	.00	90	599.4	0.	13.0	-89	2335.	-89	42.00	1.75	36.0	2.71	1.09	.06	.02	.08
122.00	.00	90	584.7	0.	19.7	-89	2023.	-89	42.00	1.75	36.0	2.64	.95	.06	.02	.08
124.00	.00	90	570.3	0.	20.3	-89	1549.	-89	42.00	1.75	36.0	2.58	.72	.06	.01	.07
126.00	.00	-90	556.2	0.	17.5	-89	1062.	-89	42.00	1.75	36.0	2.51	.50	.06	.01	.07
128.00	.00	-90	542.5	0.	13.3	-89	642.	-89	42.00	1.75	36.0	2.45	.30	.06	.01	.06
130.00	.00	-90	529.0	0.	9.0	-89	324.	-89	42.00	1.75	36.0	2.39	.15	.06	.00	.06
132.00	.00	-90	515.7	0.	5.4	-89	107.	-89	42.00	1.75	36.0	2.33	.05	.05	.00	.05
134.00	.00	-90	502.8	0.	2.6	-89	22.	90	42.00	1.75	36.0	2.27	.01	.05	.00	.05
136.00	.00	-90	490.1	0.	.8	-89	85.	90	42.00	1.75	36.0	2.21	.04	.05	.00	.05
138.00	.00	-90	477.6	0.	.3	90	104.	90	42.00	1.75	36.0	2.16	.05	.05	.00	.05
140.00	.00	-90	465.4	0.	.8	90	97.	90	42.00	1.75	36.0	2.10	.05	.05	.00	.05
142.00	.00	0	453.5	0.	.9	90	78.	90	42.00	1.75	36.0	2.05	.04	.05	.00	.05
144.00	.00	0	441.7	0.	.9	90	55.	90	42.00	1.75	36.0	2.00	.03	.05	.00	.05
146.00	.00	0	430.2	0.	.7	90	35.	90	42.00	1.75	36.0	1.94	.02	.05	.00	.05
148.00	.00	0	419.0	0.	.5	90	18.	90	42.00	1.75	36.0	1.89	.01	.04	.00	.04
150.00	.00	0	407.6	0.	.3	90	6.	90	42.00	1.75	36.0	1.84	.00	.04	.00	.04
152.00	.00	0	396.1	0.	.1	90	1.	-89	42.00	1.75	36.0	1.79	.00	.04	.00	.04
154.00	.00	0	384.8	0.	.0	90	4.	-89	42.00	1.75	36.0	1.74	.00	.04	.00	.04
156.00	.00	0	373.7	0.	.0	-89	5.	-89	42.00	1.75	36.0	1.69	.00	.04	.00	.04
158.00	.00	0	362.8	0.	.0	-89	4.	-89	42.00	1.75	36.0	1.64	.00	.04	.00	.04
160.00	.00	0	352.2	0.	.0	-89	3.	-89	42.00	1.75	36.0	1.59	.00	.04	.00	.04
162.00	.00	0	341.7	0.	.0	-89	2.	-89	42.00	1.75	36.0	1.54	.00	.04	.00	.04
164.00	.00	0	331.4	0.	.0	-89	1.	-89	42.00	1.75	36.0	1.50	.00	.03	.00	.03
166.00	.00	0	321.3	0.	.0	-89	1.	-89	42.00	1.75	36.0	1.45	.00	.03	.00	.03
168.00	.00	0	311.4	0.	.0	-89	0.	-89	42.00	1.75	36.0	1.41	.00	.03	.00	.03
170.00	.00	0	301.7	0.	.0	-90	0.	90	42.00	1.50	36.0	1.58	.00	.04	.00	.04
172.00	.00	0	292.4	0.	.0	90	0.	90	42.00	1.50	36.0	1.53	.00	.04	.00	.04
174.00	.00	0	283.2	0.	.0	90	0.	90	42.00	1.50	36.0	1.48	.00	.03	.00	.03
176.00	.00	0	274.3	0.	.0	90	0.	90	42.00	1.50	36.0	1.44	.00	.03	.00	.03
178.00	.00	0	265.5	0.	.0	90	0.	90	42.00	1.50	36.0	1.39	.00	.03	.00	.03
180.00	.00	0	257.0	0.	.0	90	0.	90	42.00	1.25	36.0	1.61	.00	.04	.00	.04
182.00	.00	0	248.7	0.	.0	90	0.	90	42.00	1.25	36.0	1.55	.00	.04	.00	.04
184.00	.00	0	240.7	0.	.0	90	0.	90	42.00	1.25	36.0	1.50	.00	.03	.00	.03
186.00	.00	0	232.9	0.	.0	0	0.	-89	42.00	1.25	36.0	1.46	.00	.03	.00	.03
188.00	.00	0	225.2	0.	.0	0	0.	-89	42.00	1.25	36.0	1.41	.00	.03	.00	.03
190.00	.00	0	217.8	0.	.0	0	0.	-89	42.00	1.00	36.0	1.69	.00	.04	.00	.04
192.00	.00	0	210.7	0.	.0	0	0.	-89	42.00	1.00	36.0	1.64	.00	.04	.00	.04
194.00	.00	0	203.9	0.	.0	0	0.	-89	42.00	1.00	36.0	1.58	.00	.04	.00	.04
196.00	.00	0	197.2	0.	.0	0	0.	-89	42.00	1.00	36.0	1.53	.00	.04	.00	.04
198.00	.00	0	190.7	0.	.0	0	0.	-89	42.00	1.00	36.0	1.48	.00	.03	.00	.03

*** Pile Detail Report For Pile Joint 132 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WI	Fy			Axial	Bend.	Total
200.00	.00	0	184.4	0.	.0	0	0.	90	42.00	1.00	36.0	1.43	.00	.03	.00	.03
202.00	.00	0	178.3	0.	.0	0	0.	90	42.00	1.00	36.0	1.38	.00	.03	.00	.03
204.00	.00	0	172.3	0.	.0	0	0.	90	42.00	1.00	36.0	1.34	.00	.03	.00	.03
206.00	.00	0	166.6	0.	.0	0	0.	90	42.00	1.00	36.0	1.29	.00	.03	.00	.03
208.00	.00	0	160.9	0.	.0	0	0.	90	42.00	1.00	36.0	1.25	.00	.03	.00	.03
210.00	.00	0	155.4	0.	.0	0	0.	-90	42.00	1.00	36.0	1.21	.00	.03	.00	.03
212.00	.00	0	149.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.16	.00	.03	.00	.03
214.00	.00	0	142.3	0.	.0	0	0.	-90	42.00	1.00	36.0	1.10	.00	.03	.00	.03
216.00	.00	0	135.6	0.	.0	0	0.	-90	42.00	1.00	36.0	1.05	.00	.02	.00	.02
218.00	.00	0	129.1	0.	.0	0	0.	-90	42.00	1.00	36.0	1.00	.00	.02	.00	.02
220.00	.00	0	122.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.95	.00	.02	.00	.02
222.00	.00	0	116.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.90	.00	.02	.00	.02
224.00	.00	0	110.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.86	.00	.02	.00	.02
226.00	.00	0	104.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.81	.00	.02	.00	.02
228.00	.00	0	98.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.77	.00	.02	.00	.02
230.00	.00	0	93.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.72	.00	.02	.00	.02
232.00	.00	0	87.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.68	.00	.02	.00	.02
234.00	.00	0	82.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.64	.00	.01	.00	.01
236.00	.00	0	77.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.60	.00	.01	.00	.01
238.00	.00	0	71.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.56	.00	.01	.00	.01
240.00	.00	0	66.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.52	.00	.01	.00	.01
242.00	.00	0	61.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.48	.00	.01	.00	.01
244.00	.00	0	56.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.44	.00	.01	.00	.01
246.00	.00	0	52.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.40	.00	.01	.00	.01
248.00	.00	0	47.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.37	.00	.01	.00	.01
250.00	.00	0	42.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.33	.00	.01	.00	.01
252.00	.00	0	38.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.29	.00	.01	.00	.01
254.00	.00	0	33.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.26	.00	.01	.00	.01
256.00	.00	0	28.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.22	.00	.01	.00	.01
258.00	.00	0	24.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.19	.00	.00	.00	.00
260.00	.00	0	19.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.15	.00	.00	.00	.00
262.00	.00	0	15.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.12	.00	.00	.00	.00
264.00	.00	0	11.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
266.00	.00	0	6.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
268.00	.00	0	2.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.02	.00	.00	.00	.00

*** Pile Head Load And Deformation Report For Pile Joint 142 Load Case No. 8 ***

	Allowable Modifier	2.000		
		X	Y	Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	-763.122	238.066	-229.013
	Moment (In-Kips)	.000	74301.290	78025.650
Calculated Displacements:	Translational (In)	-.2058	21.6558	-21.0209
	Rotational (Rad)	.00038	-.01488	-.01502

*** Pile Detail Report For Pile Joint 142 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
.00	30.18	-44	762.5	0.	329.6	-43	107744.	-43	42.00	1.75	36.0	3.45	50.40	.08	.93	1.01
2.00	29.65	-44	759.8	0.	327.9	-43	100238.	-43	42.00	1.75	36.0	3.43	46.89	.08	.87	.95
4.00	29.07	-44	757.2	0.	326.1	-43	92805.	-43	42.00	1.75	36.0	3.42	43.41	.08	.80	.88
6.00	28.46	-44	754.5	0.	324.1	-43	85445.	-43	42.00	1.75	36.0	3.41	39.97	.08	.74	.82
8.00	27.81	-44	751.9	0.	322.0	-43	78159.	-43	42.00	1.75	36.0	3.40	36.56	.08	.68	.76
10.00	27.12	-44	749.2	0.	319.7	-43	70949.	-43	42.00	1.75	36.0	3.39	33.19	.08	.61	.69
12.00	26.40	-44	746.6	0.	317.3	-43	63815.	-43	42.00	1.75	36.0	3.37	29.85	.08	.55	.63
14.00	25.65	-44	744.0	0.	314.7	-43	56760.	-43	42.00	1.75	36.0	3.36	26.55	.08	.49	.57
16.00	24.88	-44	741.4	0.	312.0	-43	49782.	-43	42.00	1.75	36.0	3.35	23.29	.08	.43	.51
18.00	24.08	-44	738.8	0.	309.1	-43	42885.	-43	42.00	1.75	36.0	3.34	20.06	.08	.37	.45
20.00	23.27	-44	736.2	0.	306.2	-43	36067.	-43	42.00	1.75	36.0	3.33	16.87	.08	.31	.39
22.00	22.44	-44	733.7	0.	303.1	-43	29331.	-42	42.00	1.75	36.0	3.32	13.72	.08	.25	.33
24.00	21.59	-44	731.1	0.	299.8	-43	22678.	-42	42.00	1.75	36.0	3.30	10.61	.08	.20	.27
26.00	20.74	-44	728.6	0.	296.5	-43	16107.	-42	42.00	1.75	36.0	3.29	7.53	.08	.14	.22
28.00	19.88	-44	726.0	0.	293.1	-43	9622.	-41	42.00	1.75	36.0	3.28	4.50	.08	.08	.16
30.00	19.02	-44	723.5	0.	289.5	-43	3238.	-35	42.00	1.75	36.0	3.27	1.51	.08	.03	.10
32.00	18.15	-44	721.0	0.	285.9	-43	3150.	127	42.00	1.75	36.0	3.26	1.47	.08	.03	.10
34.00	17.29	-44	716.4	0.	275.7	-43	9367.	133	42.00	1.75	36.0	3.24	4.38	.07	.08	.16
36.00	16.43	-44	709.7	0.	259.2	-43	15362.	134	42.00	1.75	36.0	3.21	7.19	.07	.13	.21
38.00	15.57	-44	703.1	0.	243.1	-43	20976.	134	42.00	1.75	36.0	3.18	9.81	.07	.18	.26
40.00	14.73	-44	696.5	0.	227.2	-43	26215.	135	42.00	1.75	36.0	3.15	12.26	.07	.23	.30
42.00	13.89	-44	690.0	0.	211.7	-43	31088.	135	42.00	1.75	36.0	3.12	14.54	.07	.27	.34
44.00	13.08	-44	683.6	0.	196.4	-43	35602.	135	42.00	1.75	36.0	3.09	16.65	.07	.31	.38
46.00	12.27	-44	677.2	0.	181.5	-43	39766.	135	42.00	1.75	36.0	3.06	18.60	.07	.34	.42
48.00	11.49	-43	670.8	0.	166.9	-43	43590.	135	42.00	1.75	36.0	3.03	20.39	.07	.38	.45
50.00	10.72	-43	664.5	0.	152.7	-43	47082.	135	42.00	1.75	36.0	3.00	22.02	.07	.41	.48
52.00	9.97	-43	658.3	0.	138.7	-43	50250.	135	42.00	1.75	36.0	2.97	23.50	.07	.44	.50
54.00	9.25	-43	652.1	0.	125.2	-43	53103.	135	42.00	1.75	36.0	2.95	24.84	.07	.46	.53
56.00	8.55	-43	646.0	0.	111.9	-43	55650.	135	42.00	1.75	36.0	2.92	26.03	.07	.48	.55
58.00	7.88	-43	639.9	0.	99.1	-43	57900.	135	42.00	1.75	36.0	2.89	27.08	.07	.50	.57
60.00	7.23	-43	633.9	0.	86.6	-43	59862.	135	42.00	1.75	36.0	2.86	28.00	.07	.52	.58
62.00	6.60	-43	628.0	0.	74.5	-43	61545.	135	42.00	1.75	36.0	2.84	28.79	.07	.53	.60
64.00	6.01	-43	622.1	0.	62.7	-43	62957.	135	42.00	1.75	36.0	2.81	29.45	.07	.55	.61
66.00	5.44	-43	616.3	0.	51.4	-43	64109.	135	42.00	1.75	36.0	2.79	29.99	.06	.56	.62
68.00	4.90	-43	610.6	0.	40.4	-43	65009.	135	42.00	1.75	36.0	2.76	30.41	.06	.56	.63
70.00	4.39	-43	605.0	0.	29.9	-42	65667.	135	42.00	1.75	36.0	2.73	30.71	.06	.57	.63
72.00	3.90	-43	599.4	0.	19.7	-42	66091.	135	42.00	1.75	36.0	2.71	30.91	.06	.57	.64
74.00	3.45	-43	593.8	0.	10.1	-40	66293.	135	42.00	1.75	36.0	2.68	31.01	.06	.57	.64
76.00	3.03	-43	588.4	0.	1.0	-6	66282.	135	42.00	1.75	36.0	2.66	31.00	.06	.57	.64
78.00	2.63	-43	583.0	0.	8.1	131	66069.	135	42.00	1.75	36.0	2.63	30.90	.06	.57	.63
80.00	2.27	-43	577.7	0.	16.5	133	65663.	135	42.00	1.75	36.0	2.61	30.71	.06	.57	.63
82.00	1.93	-43	572.4	0.	24.5	134	65073.	135	42.00	1.75	36.0	2.59	30.44	.06	.56	.62
84.00	1.63	-43	567.2	0.	32.0	134	64308.	135	42.00	1.75	36.0	2.56	30.08	.06	.56	.62
86.00	1.35	-43	562.0	0.	39.1	135	63381.	135	42.00	1.75	36.0	2.54	29.65	.06	.55	.61
88.00	1.10	-43	557.0	0.	45.8	135	62302.	136	42.00	1.75	36.0	2.52	29.14	.06	.54	.60
90.00	.87	-43	551.9	0.	51.9	135	61080.	136	42.00	1.75	36.0	2.49	28.57	.06	.53	.59
92.00	.68	-43	547.0	0.	57.5	135	59726.	136	42.00	1.75	36.0	2.47	27.94	.06	.52	.57
94.00	.51	-43	542.1	0.	62.6	135	58254.	136	42.00	1.75	36.0	2.45	27.25	.06	.50	.56
96.00	.36	-43	537.3	0.	67.2	135	56673.	136	42.00	1.75	36.0	2.43	26.51	.06	.49	.55
98.00	.24	-43	532.5	0.	71.0	135	54997.	136	42.00	1.75	36.0	2.41	25.72	.06	.48	.53

*** File Detail Report For Pile Joint 142 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values			
	Normal Value (In)	To Pile Angle (Deg)		Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT			Fy	Axial	Bond.	Total
100.00	.15	-43	527.8	0.	73.3	135	53242.	136	42.00	1.75	36.0	2.38	24.90	.06	.46	.52
102.00	.08	-43	515.1	0.	341.8	136	51444.	136	42.00	1.75	36.0	2.33	24.06	.05	.45	.50
104.00	.03	-43	502.7	0.	440.7	136	43216.	136	42.00	1.75	36.0	2.27	20.21	.05	.37	.43
106.00	.00	135	490.6	0.	432.4	136	32624.	136	42.00	1.75	36.0	2.22	15.26	.05	.28	.33
108.00	.02	136	478.8	0.	366.2	136	22239.	136	42.00	1.75	36.0	2.16	10.40	.05	.19	.24
110.00	.02	136	467.2	0.	277.8	136	13446.	136	42.00	1.75	36.0	2.11	6.29	.05	.12	.17
112.00	.02	136	455.8	0.	189.9	136	6779.	136	42.00	1.75	36.0	2.06	3.17	.05	.06	.11
114.00	.02	136	444.7	0.	114.8	136	2224.	136	42.00	1.75	36.0	2.01	1.04	.05	.02	.07
116.00	.01	136	433.8	0.	57.7	136	529.	-44	42.00	1.75	36.0	1.96	.25	.05	.00	.05
118.00	.01	136	423.1	0.	18.6	136	1911.	-43	42.00	1.75	36.0	1.91	.89	.04	.02	.06
120.00	.01	136	412.6	0.	5.0	-44	2356.	-43	42.00	1.75	36.0	1.86	1.10	.04	.02	.06
122.00	.00	136	402.4	0.	16.8	-43	2234.	-43	42.00	1.75	36.0	1.82	1.04	.04	.02	.06
124.00	.00	136	392.4	0.	20.5	-43	1830.	-43	42.00	1.75	36.0	1.77	.86	.04	.02	.06
126.00	.00	-44	382.5	0.	19.3	-43	1337.	-43	42.00	1.75	36.0	1.73	.63	.04	.01	.05
128.00	.00	-43	372.9	0.	15.7	-43	873.	-43	42.00	1.75	36.0	1.69	.41	.04	.01	.05
130.00	.00	-43	363.5	0.	11.4	-43	495.	-43	42.00	1.75	36.0	1.64	.23	.04	.00	.04
132.00	.00	-43	354.2	0.	7.4	-43	221.	-43	42.00	1.75	36.0	1.60	.10	.04	.00	.04
134.00	.00	-43	345.2	0.	4.1	-43	44.	-43	42.00	1.75	36.0	1.56	.02	.04	.00	.04
136.00	.00	-43	336.3	0.	1.8	-43	55.	135	42.00	1.75	36.0	1.52	.03	.04	.00	.04
138.00	.00	-43	327.6	0.	.3	-43	97.	136	42.00	1.75	36.0	1.48	.05	.03	.00	.03
140.00	.00	-43	319.0	0.	.6	136	103.	136	42.00	1.75	36.0	1.44	.05	.03	.00	.03
142.00	.00	0	310.7	0.	.9	136	90.	136	42.00	1.75	36.0	1.40	.04	.03	.00	.03
144.00	.00	0	302.5	0.	.9	136	68.	136	42.00	1.75	36.0	1.37	.03	.03	.00	.03
146.00	.00	0	294.4	0.	.8	136	46.	136	42.00	1.75	36.0	1.33	.02	.03	.00	.03
148.00	.00	0	286.5	0.	.6	136	27.	136	42.00	1.75	36.0	1.29	.01	.03	.00	.03
150.00	.00	0	278.7	0.	.4	136	13.	136	42.00	1.75	36.0	1.26	.01	.03	.00	.03
152.00	.00	0	270.9	0.	.2	136	3.	136	42.00	1.75	36.0	1.22	.00	.03	.00	.03
154.00	.00	0	263.0	0.	.1	136	2.	-44	42.00	1.75	36.0	1.19	.00	.03	.00	.03
156.00	.00	0	255.3	0.	.0	136	5.	-43	42.00	1.75	36.0	1.15	.00	.03	.00	.03
158.00	.00	0	247.7	0.	.0	-43	5.	-43	42.00	1.75	36.0	1.12	.00	.03	.00	.03
160.00	.00	0	240.2	0.	.0	-43	4.	-43	42.00	1.75	36.0	1.09	.00	.03	.00	.03
162.00	.00	0	232.8	0.	.0	-43	3.	-43	42.00	1.75	36.0	1.05	.00	.02	.00	.02
164.00	.00	0	225.6	0.	.0	-43	2.	-43	42.00	1.75	36.0	1.02	.00	.02	.00	.02
166.00	.00	0	218.5	0.	.0	-43	1.	-43	42.00	1.75	36.0	.99	.00	.02	.00	.02
168.00	.00	0	211.6	0.	.0	-43	0.	-43	42.00	1.75	36.0	.96	.00	.02	.00	.02
170.00	.00	0	204.8	0.	.0	-43	0.	134	42.00	1.50	36.0	1.07	.00	.02	.00	.02
172.00	.00	0	198.3	0.	.0	-43	0.	136	42.00	1.50	36.0	1.04	.00	.02	.00	.02
174.00	.00	0	192.0	0.	.0	135	0.	136	42.00	1.50	36.0	1.01	.00	.02	.00	.02
176.00	.00	0	185.7	0.	.0	136	0.	136	42.00	1.50	36.0	.97	.00	.02	.00	.02
178.00	.00	0	179.6	0.	.0	136	0.	136	42.00	1.50	36.0	.94	.00	.02	.00	.02
180.00	.00	0	173.7	0.	.0	136	0.	136	42.00	1.25	36.0	1.09	.00	.03	.00	.03
182.00	.00	0	168.0	0.	.0	136	0.	136	42.00	1.25	36.0	1.05	.00	.02	.00	.02
184.00	.00	0	162.4	0.	.0	136	0.	136	42.00	1.25	36.0	1.02	.00	.02	.00	.02
186.00	.00	0	157.0	0.	.0	136	0.	-44	42.00	1.25	36.0	.98	.00	.02	.00	.02
188.00	.00	0	151.7	0.	.0	0	0.	-43	42.00	1.25	36.0	.95	.00	.02	.00	.02
190.00	.00	0	146.6	0.	.0	0	0.	-43	42.00	1.00	36.0	1.14	.00	.03	.00	.03
192.00	.00	0	141.8	0.	.0	0	0.	-43	42.00	1.00	36.0	1.10	.00	.03	.00	.03
194.00	.00	0	137.1	0.	.0	0	0.	-43	42.00	1.00	36.0	1.06	.00	.02	.00	.02
196.00	.00	0	132.6	0.	.0	0	0.	-43	42.00	1.00	36.0	1.03	.00	.02	.00	.02
198.00	.00	0	128.1	0.	.0	0	0.	-43	42.00	1.00	36.0	.99	.00	.02	.00	.02

*** Pile Detail Report For Pile Joint 142 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)	(Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
200.00	.00	0	123.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.96	.00	.02	.00	.02
202.00	.00	0	119.6	0.	.0	0	0.	136	42.00	1.00	36.0	.93	.00	.02	.00	.02
204.00	.00	0	115.5	0.	.0	0	0.	136	42.00	1.00	36.0	.90	.00	.02	.00	.02
206.00	.00	0	111.6	0.	.0	0	0.	136	42.00	1.00	36.0	.87	.00	.02	.00	.02
208.00	.00	0	107.7	0.	.0	0	0.	-180	42.00	1.00	36.0	.84	.00	.02	.00	.02
210.00	.00	0	103.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.81	.00	.02	.00	.02
212.00	.00	0	100.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.78	.00	.02	.00	.02
214.00	.00	0	95.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.74	.00	.02	.00	.02
216.00	.00	0	91.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.71	.00	.02	.00	.02
218.00	.00	0	86.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.67	.00	.02	.00	.02
220.00	.00	0	82.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.64	.00	.01	.00	.01
222.00	.00	0	78.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.61	.00	.01	.00	.01
224.00	.00	0	74.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.58	.00	.01	.00	.01
226.00	.00	0	70.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.55	.00	.01	.00	.01
228.00	.00	0	66.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.52	.00	.01	.00	.01
230.00	.00	0	62.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.49	.00	.01	.00	.01
232.00	.00	0	58.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.46	.00	.01	.00	.01
234.00	.00	0	55.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.43	.00	.01	.00	.01
236.00	.00	0	51.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.40	.00	.01	.00	.01
238.00	.00	0	48.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.37	.00	.01	.00	.01
240.00	.00	0	44.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.35	.00	.01	.00	.01
242.00	.00	0	41.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.32	.00	.01	.00	.01
244.00	.00	0	38.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.30	.00	.01	.00	.01
246.00	.00	0	35.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.27	.00	.01	.00	.01
248.00	.00	0	31.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.25	.00	.01	.00	.01
250.00	.00	0	28.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.22	.00	.01	.00	.01
252.00	.00	0	25.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.20	.00	.00	.00	.00
254.00	.00	0	22.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.17	.00	.00	.00	.00
256.00	.00	0	19.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.15	.00	.00	.00	.00
258.00	.00	0	16.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.13	.00	.00	.00	.00
260.00	.00	0	13.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.10	.00	.00	.00	.00
262.00	.00	0	10.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.08	.00	.00	.00	.00
264.00	.00	0	7.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.06	.00	.00	.00	.00
266.00	.00	0	4.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.03	.00	.00	.00	.00
268.00	.00	0	1.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.01	.00	.00	.00	.00

*** Pile Head Load And Deformation Report For Pile Joint 152 Load Case No. 8 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	2640.779	-147.216	162.840
	Moment (In-Kips)	-.006	-74037.450	-66708.930
Calculated Displacements:	Translational (In)	.9077	-17.8770	19.6004
	Rotational (Rad)	-.00576	.01453	.01344

*** Pile Detail Report For Pile Joint 152 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Axial	Bend.	Total
.00	26.53	132	-2640.2	0.	218.8	132	99658.	132	42.00	1.75	36.0	-11.93	46.61	.28	.86	1.14
2.00	26.03	132	-2640.6	0.	217.2	132	93095.	132	42.00	1.75	36.0	-11.93	43.54	.28	.81	1.08
4.00	25.49	132	-2640.9	0.	215.5	132	86462.	131	42.00	1.75	36.0	-11.93	40.44	.28	.75	1.03
6.00	24.92	132	-2641.2	0.	213.6	132	79769.	131	42.00	1.75	36.0	-11.94	37.31	.28	.69	.97
8.00	24.31	132	-2641.5	0.	211.5	132	73029.	131	42.00	1.75	36.0	-11.94	34.16	.28	.63	.91
10.00	23.66	132	-2641.8	0.	209.4	132	66252.	131	42.00	1.75	36.0	-11.94	30.99	.28	.57	.85
12.00	22.99	132	-2642.1	0.	207.0	132	59449.	131	42.00	1.75	36.0	-11.94	27.81	.28	.51	.79
14.00	22.29	132	-2642.4	0.	204.6	132	52633.	131	42.00	1.75	36.0	-11.94	24.62	.28	.46	.73
16.00	21.57	132	-2642.6	0.	202.0	132	45814.	131	42.00	1.75	36.0	-11.94	21.43	.28	.40	.67
18.00	20.82	132	-2642.9	0.	199.3	132	39004.	131	42.00	1.75	36.0	-11.94	18.24	.28	.34	.61
20.00	20.06	132	-2643.1	0.	196.4	132	32213.	131	42.00	1.75	36.0	-11.94	15.07	.28	.28	.56
22.00	19.29	132	-2643.3	0.	193.5	132	25453.	131	42.00	1.75	36.0	-11.95	11.91	.28	.22	.50
24.00	18.50	132	-2643.5	0.	190.4	132	18733.	131	42.00	1.75	36.0	-11.95	8.76	.28	.16	.44
26.00	17.71	132	-2643.7	0.	187.3	132	12066.	130	42.00	1.75	36.0	-11.95	5.64	.28	.10	.38
28.00	16.91	132	-2643.9	0.	184.0	132	5464.	128	42.00	1.75	36.0	-11.95	2.56	.28	.05	.32
30.00	16.11	132	-2644.1	0.	180.7	132	1130.	-31	42.00	1.75	36.0	-11.95	.53	.28	.01	.29
32.00	15.31	132	-2644.3	0.	177.2	132	7543.	-45	42.00	1.75	36.0	-11.95	3.53	.28	.07	.34
34.00	14.51	132	-2641.5	0.	167.6	132	13903.	-46	42.00	1.75	36.0	-11.94	6.50	.28	.12	.40
36.00	13.72	132	-2635.8	0.	152.1	132	20015.	-46	42.00	1.75	36.0	-11.91	9.36	.28	.17	.45
38.00	12.94	132	-2630.1	0.	136.9	132	25729.	-47	42.00	1.75	36.0	-11.89	12.03	.28	.22	.50
40.00	12.16	132	-2624.2	0.	122.1	131	31043.	-47	42.00	1.75	36.0	-11.86	14.52	.27	.27	.54
42.00	11.41	132	-2618.3	0.	107.5	131	35961.	-47	42.00	1.75	36.0	-11.83	16.82	.27	.31	.59
44.00	10.66	132	-2612.4	0.	93.3	131	40483.	-47	42.00	1.75	36.0	-11.81	18.94	.27	.35	.62
46.00	9.94	132	-2606.4	0.	79.4	131	44613.	-47	42.00	1.75	36.0	-11.78	20.87	.27	.39	.66
48.00	9.24	132	-2600.3	0.	65.8	131	48353.	-47	42.00	1.75	36.0	-11.75	22.62	.27	.42	.69
50.00	8.55	132	-2594.1	0.	52.6	131	51707.	-47	42.00	1.75	36.0	-11.72	24.19	.27	.45	.72
52.00	7.89	132	-2587.9	0.	39.7	131	54681.	-47	42.00	1.75	36.0	-11.69	25.58	.27	.47	.74
54.00	7.26	132	-2581.7	0.	27.2	131	57279.	-47	42.00	1.75	36.0	-11.67	26.79	.27	.50	.77
56.00	6.65	132	-2575.3	0.	15.0	130	59508.	-47	42.00	1.75	36.0	-11.64	27.83	.27	.52	.78
58.00	6.06	132	-2568.9	0.	3.3	122	61374.	-47	42.00	1.75	36.0	-11.61	28.71	.27	.53	.80
60.00	5.50	132	-2562.5	0.	8.2	-43	62883.	-47	42.00	1.75	36.0	-11.58	29.41	.27	.54	.81
62.00	4.98	132	-2555.9	0.	19.2	-46	64044.	-47	42.00	1.75	36.0	-11.55	29.96	.27	.55	.82
64.00	4.47	132	-2549.3	0.	29.8	-46	64865.	-47	42.00	1.75	36.0	-11.52	30.34	.27	.56	.83
66.00	4.00	132	-2542.7	0.	40.0	-46	65355.	-47	42.00	1.75	36.0	-11.49	30.57	.27	.57	.83
68.00	3.56	132	-2536.0	0.	49.8	-47	65522.	-47	42.00	1.75	36.0	-11.46	30.65	.27	.57	.83
70.00	3.14	132	-2529.2	0.	59.2	-47	65378.	-47	42.00	1.75	36.0	-11.43	30.58	.26	.57	.83
72.00	2.76	132	-2522.3	0.	68.1	-47	64934.	-47	42.00	1.75	36.0	-11.40	30.37	.26	.56	.83
74.00	2.40	132	-2515.4	0.	76.7	-47	64199.	-47	42.00	1.75	36.0	-11.37	30.03	.26	.56	.82
76.00	2.07	132	-2508.5	0.	85.0	-47	63184.	-47	42.00	1.75	36.0	-11.34	29.55	.26	.55	.81
78.00	1.77	132	-2501.4	0.	92.7	-47	61899.	-47	42.00	1.75	36.0	-11.30	28.95	.26	.54	.80
80.00	1.50	132	-2494.3	0.	100.0	-47	60357.	-47	42.00	1.75	36.0	-11.27	28.23	.26	.52	.78
82.00	1.25	132	-2487.2	0.	106.9	-47	58571.	-47	42.00	1.75	36.0	-11.24	27.40	.26	.51	.77
84.00	1.03	132	-2480.0	0.	113.5	-47	56554.	-47	42.00	1.75	36.0	-11.21	26.45	.26	.49	.75
86.00	.83	132	-2472.7	0.	119.5	-47	54316.	-47	42.00	1.75	36.0	-11.17	25.41	.26	.47	.73
88.00	.66	132	-2465.4	0.	125.1	-47	51872.	-47	42.00	1.75	36.0	-11.14	24.26	.26	.45	.71
90.00	.51	132	-2458.0	0.	130.3	-47	49238.	-47	42.00	1.75	36.0	-11.11	23.03	.26	.43	.68
92.00	.39	132	-2450.5	0.	134.9	-47	46424.	-47	42.00	1.75	36.0	-11.07	21.71	.26	.40	.66
94.00	.28	132	-2443.0	0.	139.1	-47	43447.	-47	42.00	1.75	36.0	-11.04	20.32	.26	.38	.63
96.00	.19	132	-2435.4	0.	142.2	-47	40322.	-47	42.00	1.75	36.0	-11.01	18.86	.25	.35	.60
98.00	.12	132	-2427.8	0.	144.1	-47	37079.	-47	42.00	1.75	36.0	-10.97	17.34	.25	.32	.58

*** Pile Detail Report For Pile Joint 15Z Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
100.00	.07	132	-2420.1	0.	145.2	-47	33749.	-47	42.00	1.75	36.0	-10.94	15.79	.25	.29	.55
102.00	.03	131	-2363.7	0.	257.7	-47	30356.	-47	42.00	1.75	36.0	-10.68	14.20	.25	.25	.51
104.00	.01	131	-2308.5	0.	283.1	-47	24230.	-47	42.00	1.75	36.0	-10.43	11.33	.24	.21	.45
106.00	.01	-47	-2254.6	0.	257.0	-47	17468.	-47	42.00	1.75	36.0	-10.19	8.17	.24	.15	.39
108.00	.01	-47	-2201.8	0.	206.2	-47	11314.	-47	42.00	1.75	36.0	-9.95	5.29	.23	.10	.33
110.00	.02	-47	-2150.2	0.	149.0	-47	6369.	-47	42.00	1.75	36.0	-9.72	2.98	.22	.06	.28
112.00	.01	-47	-2099.6	0.	96.5	-47	2790.	-48	42.00	1.75	36.0	-9.49	1.31	.22	.02	.24
114.00	.01	-47	-2050.2	0.	54.2	-47	468.	-48	42.00	1.75	36.0	-9.26	.22	.21	.00	.22
116.00	.01	-47	-2001.8	0.	23.5	-48	839.	132	42.00	1.75	36.0	-9.05	.39	.21	.01	.22
118.00	.00	-47	-1954.5	0.	3.6	-48	1407.	132	42.00	1.75	36.0	-8.83	.66	.20	.01	.22
120.00	.00	-47	-1908.2	0.	7.6	132	1497.	132	42.00	1.75	36.0	-8.62	.70	.20	.01	.21
122.00	.00	-48	-1862.9	0.	12.4	132	1318.	132	42.00	1.75	36.0	-8.42	.62	.19	.01	.21
124.00	.00	-48	-1818.5	0.	13.0	132	1023.	132	42.00	1.75	36.0	-8.22	.48	.19	.01	.20
126.00	.00	132	-1775.1	0.	11.4	132	711.	132	42.00	1.75	36.0	-8.02	.33	.19	.01	.19
128.00	.00	132	-1732.6	0.	8.8	132	438.	132	42.00	1.75	36.0	-7.83	.20	.18	.00	.19
130.00	.00	132	-1691.0	0.	6.0	132	227.	131	42.00	1.75	36.0	-7.64	.11	.18	.00	.18
132.00	.00	132	-1650.2	0.	3.7	132	82.	131	42.00	1.75	36.0	-7.46	.04	.17	.00	.17
134.00	.00	132	-1610.4	0.	1.9	131	7.	-45	42.00	1.75	36.0	-7.28	.00	.17	.00	.17
136.00	.00	132	-1571.4	0.	.6	131	51.	-47	42.00	1.75	36.0	-7.10	.02	.16	.00	.16
138.00	.00	132	-1533.1	0.	.1	-47	66.	-47	42.00	1.75	36.0	-6.93	.03	.16	.00	.16
140.00	.00	0	-1495.7	0.	.5	-47	63.	-47	42.00	1.75	36.0	-6.76	.03	.16	.00	.16
142.00	.00	0	-1459.1	0.	.6	-47	52.	-47	42.00	1.75	36.0	-6.59	.02	.15	.00	.15
144.00	.00	0	-1423.2	0.	.6	-47	37.	-47	42.00	1.75	36.0	-6.43	.02	.15	.00	.15
146.00	.00	0	-1388.0	0.	.5	-47	24.	-47	42.00	1.75	36.0	-6.27	.01	.15	.00	.15
148.00	.00	0	-1353.6	0.	.3	-47	13.	-47	42.00	1.75	36.0	-6.12	.01	.14	.00	.14
150.00	.00	0	-1319.9	0.	.2	-47	5.	-48	42.00	1.75	36.0	-5.96	.00	.14	.00	.14
152.00	.00	0	-1285.6	0.	.1	-48	0.	-50	42.00	1.75	36.0	-5.81	.00	.13	.00	.13
154.00	.00	0	-1250.8	0.	.0	-48	2.	132	42.00	1.75	36.0	-5.65	.00	.13	.00	.13
156.00	.00	0	-1216.7	0.	.0	132	3.	132	42.00	1.75	36.0	-5.50	.00	.13	.00	.13
158.00	.00	0	-1183.2	0.	.0	132	3.	132	42.00	1.75	36.0	-5.35	.00	.12	.00	.12
160.00	.00	0	-1150.5	0.	.0	132	2.	132	42.00	1.75	36.0	-5.20	.00	.12	.00	.12
162.00	.00	0	-1118.3	0.	.0	132	2.	132	42.00	1.75	36.0	-5.05	.00	.12	.00	.12
164.00	.00	0	-1086.8	0.	.0	132	1.	132	42.00	1.75	36.0	-4.91	.00	.11	.00	.11
166.00	.00	0	-1055.9	0.	.0	132	0.	131	42.00	1.75	36.0	-4.77	.00	.11	.00	.11
168.00	.00	0	-1025.6	0.	.0	132	0.	131	42.00	1.75	36.0	-4.63	.00	.11	.00	.11
170.00	.00	0	-995.7	0.	.0	131	0.	-47	42.00	1.50	36.0	-5.22	.00	.12	.00	.12
172.00	.00	0	-966.4	0.	.0	90	0.	-47	42.00	1.50	36.0	-5.06	.00	.12	.00	.12
174.00	.00	0	-937.7	0.	.0	-47	0.	-47	42.00	1.50	36.0	-4.91	.00	.11	.00	.11
176.00	.00	0	-909.6	0.	.0	-47	0.	-47	42.00	1.50	36.0	-4.77	.00	.11	.00	.11
178.00	.00	0	-882.1	0.	.0	-47	0.	-47	42.00	1.50	36.0	-4.62	.00	.11	.00	.11
180.00	.00	0	-855.1	0.	.0	-47	0.	-47	42.00	1.25	36.0	-5.34	.00	.12	.00	.12
182.00	.00	0	-828.6	0.	.0	-47	0.	-48	42.00	1.25	36.0	-5.18	.00	.12	.00	.12
184.00	.00	0	-802.7	0.	.0	-47	0.	-48	42.00	1.25	36.0	-5.02	.00	.12	.00	.12
186.00	.00	0	-777.5	0.	.0	0	0.	132	42.00	1.25	36.0	-4.86	.00	.11	.00	.11
188.00	.00	0	-752.8	0.	.0	0	0.	132	42.00	1.25	36.0	-4.70	.00	.11	.00	.11
190.00	.00	0	-728.7	0.	.0	0	0.	132	42.00	1.00	36.0	-5.66	.00	.13	.00	.13
192.00	.00	0	-705.1	0.	.0	0	0.	132	42.00	1.00	36.0	-5.47	.00	.13	.00	.13
194.00	.00	0	-682.2	0.	.0	0	0.	132	42.00	1.00	36.0	-5.30	.00	.12	.00	.12
196.00	.00	0	-660.0	0.	.0	0	0.	132	42.00	1.00	36.0	-5.12	.00	.12	.00	.12
198.00	.00	0	-638.3	0.	.0	0	0.	131	42.00	1.00	36.0	-4.96	.00	.11	.00	.11

*** Pile Detail Report For Pile Joint 152 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
200.00	.00	0	-617.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.79	.00	.11	.00	.11
202.00	.00	0	-596.9	0.	.0	0	0.	-47	42.00	1.00	36.0	-4.63	.00	.11	.00	.11
204.00	.00	0	-577.1	0.	.0	0	0.	-47	42.00	1.00	36.0	-4.48	.00	.10	.00	.10
206.00	.00	0	-557.8	0.	.0	0	0.	-47	42.00	1.00	36.0	-4.33	.00	.10	.00	.10
208.00	.00	0	-539.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.18	.00	.10	.00	.10
210.00	.00	0	-520.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.04	.00	.09	.00	.09
212.00	.00	0	-503.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.91	.00	.09	.00	.09
214.00	.00	0	-481.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.74	.00	.09	.00	.09
216.00	.00	0	-461.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.58	.00	.08	.00	.08
218.00	.00	0	-440.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.42	.00	.08	.00	.08
220.00	.00	0	-420.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.27	.00	.08	.00	.08
222.00	.00	0	-401.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.12	.00	.07	.00	.07
224.00	.00	0	-382.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.97	.00	.07	.00	.07
226.00	.00	0	-363.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.82	.00	.07	.00	.07
228.00	.00	0	-345.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.68	.00	.06	.00	.06
230.00	.00	0	-326.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.54	.00	.06	.00	.06
232.00	.00	0	-309.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.40	.00	.06	.00	.06
234.00	.00	0	-291.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.26	.00	.05	.00	.05
236.00	.00	0	-274.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.13	.00	.05	.00	.05
238.00	.00	0	-257.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.00	.00	.05	.00	.05
240.00	.00	0	-240.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.87	.00	.04	.00	.04
242.00	.00	0	-224.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.74	.00	.04	.00	.04
244.00	.00	0	-208.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.62	.00	.04	.00	.04
246.00	.00	0	-192.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.49	.00	.03	.00	.03
248.00	.00	0	-176.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.37	.00	.03	.00	.03
250.00	.00	0	-160.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.25	.00	.03	.00	.03
252.00	.00	0	-144.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.12	.00	.03	.00	.03
254.00	.00	0	-129.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.00	.00	.02	.00	.02
256.00	.00	0	-114.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.89	.00	.02	.00	.02
258.00	.00	0	-98.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.77	.00	.02	.00	.02
260.00	.00	0	-83.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.65	.00	.02	.00	.02
262.00	.00	0	-68.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.53	.00	.01	.00	.01
264.00	.00	0	-53.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.42	.00	.01	.00	.01
266.00	.00	0	-39.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.30	.00	.01	.00	.01
268.00	.00	0	-24.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.19	.00	.00	.00	.00

*** Pile Head Load And Deformation Report For Pile Joint 16Z Load Case No. 8 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips) 2936.188 13.991 220.665

Moment (In-Kips) -.004 -105793.200 7032.359

Calculated Displacements: Translational (In) 1.0135 1.4903 27.9421

Rotational (Rad) -.00372 .02047 -.00077

* * * Pile Detail Report For Pile Joint 162 Load Case No. 8 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
.00	27.98	86	-2935.7	0.	220.4	86	106027.	86	42.00	1.75	36.0	-13.27	49.59	.31	.92	1.23
2.00	27.47	86	-2936.2	0.	218.8	86	99228.	86	42.00	1.75	36.0	-13.27	46.41	.31	.86	1.17
4.00	26.91	86	-2936.6	0.	217.0	86	92339.	86	42.00	1.75	36.0	-13.27	43.19	.31	.80	1.11
6.00	26.31	86	-2937.1	0.	215.1	86	85372.	86	42.00	1.75	36.0	-13.27	39.93	.31	.74	1.05
8.00	25.67	86	-2937.5	0.	213.0	86	78340.	86	42.00	1.75	36.0	-13.27	36.64	.31	.68	.99
10.00	25.00	86	-2937.9	0.	210.8	86	71257.	85	42.00	1.75	36.0	-13.28	33.33	.31	.62	.92
12.00	24.30	86	-2938.3	0.	208.4	86	64133.	85	42.00	1.75	36.0	-13.28	30.00	.31	.56	.86
14.00	23.57	86	-2938.7	0.	205.9	86	56984.	85	42.00	1.75	36.0	-13.28	26.65	.31	.49	.80
16.00	22.81	86	-2939.1	0.	203.3	86	49820.	85	42.00	1.75	36.0	-13.28	23.30	.31	.43	.74
18.00	22.03	86	-2939.5	0.	200.5	86	42654.	85	42.00	1.75	36.0	-13.28	19.95	.31	.37	.68
20.00	21.23	86	-2939.8	0.	197.6	86	35500.	85	42.00	1.75	36.0	-13.29	16.60	.31	.31	.62
22.00	20.42	86	-2940.2	0.	194.6	86	28369.	85	42.00	1.75	36.0	-13.29	13.27	.31	.25	.55
24.00	19.59	86	-2940.5	0.	191.5	86	21274.	84	42.00	1.75	36.0	-13.29	9.95	.31	.18	.49
26.00	18.76	86	-2940.8	0.	188.3	86	14230.	83	42.00	1.75	36.0	-13.29	6.66	.31	.12	.43
28.00	17.92	86	-2941.1	0.	184.9	86	7257.	80	42.00	1.75	36.0	-13.29	3.39	.31	.06	.37
30.00	17.07	86	-2941.4	0.	181.5	86	810.	17	42.00	1.75	36.0	-13.29	.38	.31	.01	.31
32.00	16.23	86	-2941.7	0.	178.0	86	6590.	-86	42.00	1.75	36.0	-13.29	3.08	.31	.06	.36
34.00	15.39	86	-2939.3	0.	168.2	86	13317.	-90	42.00	1.75	36.0	-13.28	6.23	.31	.12	.42
36.00	14.55	86	-2934.1	0.	152.4	86	19804.	-91	42.00	1.75	36.0	-13.26	9.26	.31	.17	.48
38.00	13.72	86	-2928.9	0.	136.9	86	25885.	-91	42.00	1.75	36.0	-13.24	12.11	.31	.22	.53
40.00	12.91	86	-2923.7	0.	121.7	86	31559.	-92	42.00	1.75	36.0	-13.21	14.76	.31	.27	.58
42.00	12.10	86	-2918.3	0.	106.9	85	36824.	-92	42.00	1.75	36.0	-13.19	17.22	.31	.32	.62
44.00	11.32	86	-2912.9	0.	92.4	85	41681.	-92	42.00	1.75	36.0	-13.16	19.50	.30	.36	.67
46.00	10.55	86	-2907.4	0.	78.2	85	46132.	-92	42.00	1.75	36.0	-13.14	21.58	.30	.40	.70
48.00	9.80	86	-2901.9	0.	64.4	85	50179.	-92	42.00	1.75	36.0	-13.11	23.47	.30	.43	.74
50.00	9.08	86	-2896.2	0.	50.9	85	53826.	-92	42.00	1.75	36.0	-13.09	25.18	.30	.47	.77
52.00	8.38	86	-2890.5	0.	37.7	84	57076.	-92	42.00	1.75	36.0	-13.06	26.70	.30	.49	.80
54.00	7.70	86	-2884.7	0.	25.0	83	59934.	-92	42.00	1.75	36.0	-13.04	28.03	.30	.52	.82
56.00	7.05	86	-2878.9	0.	12.6	80	62406.	-92	42.00	1.75	36.0	-13.01	29.19	.30	.54	.84
58.00	6.43	86	-2873.0	0.	1.4	18	64496.	-92	42.00	1.75	36.0	-12.98	30.17	.30	.56	.86
60.00	5.84	86	-2867.0	0.	11.2	-86	66213.	-93	42.00	1.75	36.0	-12.96	30.97	.30	.57	.87
62.00	5.27	86	-2860.9	0.	22.4	269	67563.	-93	42.00	1.75	36.0	-12.93	31.60	.30	.59	.88
64.00	4.74	86	-2854.8	0.	33.2	268	68556.	-93	42.00	1.75	36.0	-12.90	32.07	.30	.59	.89
66.00	4.24	86	-2848.6	0.	43.6	268	69198.	-93	42.00	1.75	36.0	-12.87	32.37	.30	.60	.90
68.00	3.76	86	-2842.3	0.	53.6	267	69499.	-93	42.00	1.75	36.0	-12.84	32.51	.30	.60	.90
70.00	3.32	86	-2836.0	0.	63.2	267	69470.	-93	42.00	1.75	36.0	-12.82	32.49	.30	.60	.90
72.00	2.91	86	-2829.6	0.	72.3	267	69122.	-93	42.00	1.75	36.0	-12.79	32.33	.30	.60	.89
74.00	2.53	86	-2823.1	0.	81.0	267	68466.	-93	42.00	1.75	36.0	-12.76	32.02	.30	.59	.89
76.00	2.18	86	-2816.6	0.	89.4	267	67512.	-93	42.00	1.75	36.0	-12.73	31.58	.29	.58	.88
78.00	1.86	86	-2809.9	0.	97.3	267	66272.	-93	42.00	1.75	36.0	-12.70	31.00	.29	.57	.87
80.00	1.56	86	-2803.2	0.	104.7	267	64758.	-93	42.00	1.75	36.0	-12.67	30.29	.29	.56	.85
82.00	1.30	86	-2796.5	0.	111.7	267	62983.	-93	42.00	1.75	36.0	-12.64	29.46	.29	.55	.84
84.00	1.06	86	-2789.7	0.	118.3	267	60961.	-93	42.00	1.75	36.0	-12.61	28.51	.29	.53	.82
86.00	.86	86	-2782.8	0.	124.4	267	58704.	-93	42.00	1.75	36.0	-12.58	27.46	.29	.51	.80
88.00	.67	86	-2775.8	0.	130.0	267	56227.	-93	42.00	1.75	36.0	-12.54	26.30	.29	.49	.78
90.00	.52	86	-2768.8	0.	135.1	267	53546.	-93	42.00	1.75	36.0	-12.51	25.05	.29	.46	.75
92.00	.38	86	-2761.7	0.	139.8	267	50673.	-93	42.00	1.75	36.0	-12.48	23.70	.29	.44	.73
94.00	.27	86	-2754.5	0.	144.0	267	47627.	-93	42.00	1.75	36.0	-12.45	22.28	.29	.41	.70
96.00	.18	86	-2747.2	0.	146.8	267	44421.	-93	42.00	1.75	36.0	-12.41	20.78	.29	.38	.67
98.00	.11	86	-2739.9	0.	148.5	267	41092.	-93	42.00	1.75	36.0	-12.38	19.22	.29	.36	.64

*** Pile Detail Report For Pile Joint 162 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.06	86	-2704.0	0.	248.9	266	37671.	-93	42.00	1.75	36.0	-12.22	17.62	.28	.33	.61
102.00	.02	85	-2641.0	0.	323.5	266	31795.	-93	42.00	1.75	36.0	-11.93	14.87	.28	.28	.55
104.00	.00	-90	-2579.3	0.	318.4	266	24090.	-93	42.00	1.75	36.0	-11.66	11.27	.27	.21	.48
106.00	.01	266	-2518.9	0.	270.3	266	16477.	-93	42.00	1.75	36.0	-11.38	7.71	.26	.14	.41
108.00	.02	266	-2459.9	0.	205.4	266	10000.	-93	42.00	1.75	36.0	-11.12	4.68	.26	.09	.34
110.00	.02	266	-2402.1	0.	140.5	266	5070.	-93	42.00	1.75	36.0	-10.86	2.37	.25	.04	.30
112.00	.01	266	-2345.6	0.	85.1	266	1691.	-94	42.00	1.75	36.0	-10.60	.79	.25	.01	.26
114.00	.01	266	-2290.3	0.	42.8	266	360.	88	42.00	1.75	36.0	-10.35	.17	.24	.00	.24
116.00	.01	266	-2236.2	0.	13.8	265	1396.	86	42.00	1.75	36.0	-10.11	.65	.23	.01	.25
118.00	.00	266	-2183.3	0.	3.7	87	1734.	86	42.00	1.75	36.0	-9.87	.81	.23	.02	.24
120.00	.00	266	-2131.4	0.	12.4	86	1651.	86	42.00	1.75	36.0	-9.63	.77	.22	.01	.24
122.00	.00	-90	-2080.7	0.	15.2	86	1355.	86	42.00	1.75	36.0	-9.40	.63	.22	.01	.23
124.00	.00	90	-2031.1	0.	14.3	86	992.	86	42.00	1.75	36.0	-9.18	.46	.21	.01	.22
126.00	.00	90	-1982.5	0.	11.7	86	649.	86	42.00	1.75	36.0	-8.96	.30	.21	.01	.21
128.00	.00	90	-1935.0	0.	8.5	86	368.	86	42.00	1.75	36.0	-8.74	.17	.20	.00	.21
130.00	.00	90	-1888.4	0.	5.5	86	165.	86	42.00	1.75	36.0	-8.53	.08	.20	.00	.20
132.00	.00	90	-1842.8	0.	3.0	86	33.	85	42.00	1.75	36.0	-8.33	.02	.19	.00	.19
134.00	.00	90	-1798.2	0.	1.3	86	41.	-93	42.00	1.75	36.0	-8.13	.02	.19	.00	.19
136.00	.00	90	-1754.6	0.	.2	84	72.	-93	42.00	1.75	36.0	-7.93	.03	.18	.00	.18
138.00	.00	90	-1711.8	0.	.4	266	77.	-93	42.00	1.75	36.0	-7.74	.04	.18	.00	.18
140.00	.00	0	-1669.9	0.	.7	266	67.	-93	42.00	1.75	36.0	-7.55	.03	.17	.00	.17
142.00	.00	0	-1628.9	0.	.7	266	51.	-93	42.00	1.75	36.0	-7.36	.02	.17	.00	.17
144.00	.00	0	-1588.7	0.	.6	266	34.	-93	42.00	1.75	36.0	-7.18	.02	.17	.00	.17
146.00	.00	0	-1549.4	0.	.4	266	20.	-93	42.00	1.75	36.0	-7.00	.01	.16	.00	.16
148.00	.00	0	-1510.8	0.	.3	266	10.	-93	42.00	1.75	36.0	-6.83	.00	.16	.00	.16
150.00	.00	0	-1471.7	0.	.2	266	2.	-94	42.00	1.75	36.0	-6.65	.00	.15	.00	.15
152.00	.00	0	-1431.9	0.	.1	266	2.	86	42.00	1.75	36.0	-6.47	.00	.15	.00	.15
154.00	.00	0	-1393.0	0.	.0	263	3.	86	42.00	1.75	36.0	-6.29	.00	.15	.00	.15
156.00	.00	0	-1354.8	0.	.0	86	4.	86	42.00	1.75	36.0	-6.12	.00	.14	.00	.14
158.00	.00	0	-1317.3	0.	.0	86	3.	86	42.00	1.75	36.0	-5.95	.00	.14	.00	.14
160.00	.00	0	-1280.6	0.	.0	86	2.	86	42.00	1.75	36.0	-5.79	.00	.13	.00	.13
162.00	.00	0	-1244.6	0.	.0	86	1.	86	42.00	1.75	36.0	-5.62	.00	.13	.00	.13
164.00	.00	0	-1209.3	0.	.0	86	1.	86	42.00	1.75	36.0	-5.47	.00	.13	.00	.13
166.00	.00	0	-1174.7	0.	.0	86	0.	86	42.00	1.75	36.0	-5.31	.00	.12	.00	.12
168.00	.00	0	-1140.7	0.	.0	86	0.	-88	42.00	1.75	36.0	-5.16	.00	.12	.00	.12
170.00	.00	0	-1107.3	0.	.0	90	0.	-93	42.00	1.50	36.0	-5.80	.00	.13	.00	.13
172.00	.00	0	-1074.5	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.63	.00	.13	.00	.13
174.00	.00	0	-1042.3	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.46	.00	.13	.00	.13
176.00	.00	0	-1010.9	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.30	.00	.12	.00	.12
178.00	.00	0	-980.0	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.14	.00	.12	.00	.12
180.00	.00	0	-949.8	0.	.0	-90	0.	-93	42.00	1.25	36.0	-5.94	.00	.14	.00	.14
182.00	.00	0	-920.1	0.	.0	-90	0.	-93	42.00	1.25	36.0	-5.75	.00	.13	.00	.13
184.00	.00	0	-891.1	0.	.0	-90	0.	88	42.00	1.25	36.0	-5.57	.00	.13	.00	.13
186.00	.00	0	-862.9	0.	.0	0	0.	86	42.00	1.25	36.0	-5.39	.00	.12	.00	.12
188.00	.00	0	-835.3	0.	.0	0	0.	86	42.00	1.25	36.0	-5.22	.00	.12	.00	.12
190.00	.00	0	-808.2	0.	.0	0	0.	86	42.00	1.00	36.0	-6.27	.00	.15	.00	.15
192.00	.00	0	-781.8	0.	.0	0	0.	86	42.00	1.00	36.0	-6.07	.00	.14	.00	.14
194.00	.00	0	-756.1	0.	.0	0	0.	86	42.00	1.00	36.0	-5.87	.00	.14	.00	.14
196.00	.00	0	-731.2	0.	.0	0	0.	86	42.00	1.00	36.0	-5.68	.00	.13	.00	.13
198.00	.00	0	-707.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.49	.00	.13	.00	.13

*** Pile Detail Report For Pile Joint 16Z Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend. Total	
200.00	.00	0	-683.4	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.31	.00	.12	.00	.12
202.00	.00	0	-660.5	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.13	.00	.12	.00	.12
204.00	.00	0	-638.2	0.	.0	0	0.	-93	42.00	1.00	36.0	-4.96	.00	.11	.00	.11
206.00	.00	0	-616.6	0.	.0	0	0.	-93	42.00	1.00	36.0	-4.79	.00	.11	.00	.11
208.00	.00	0	-595.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.62	.00	.11	.00	.11
210.00	.00	0	-575.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.46	.00	.10	.00	.10
212.00	.00	0	-553.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.30	.00	.10	.00	.10
214.00	.00	0	-530.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.12	.00	.10	.00	.10
216.00	.00	0	-507.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.94	.00	.09	.00	.09
218.00	.00	0	-485.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.77	.00	.09	.00	.09
220.00	.00	0	-463.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.60	.00	.08	.00	.08
222.00	.00	0	-441.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.43	.00	.08	.00	.08
224.00	.00	0	-420.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.26	.00	.08	.00	.08
226.00	.00	0	-399.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.10	.00	.07	.00	.07
228.00	.00	0	-379.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.95	.00	.07	.00	.07
230.00	.00	0	-359.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.79	.00	.06	.00	.06
232.00	.00	0	-340.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.64	.00	.06	.00	.06
234.00	.00	0	-320.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.49	.00	.06	.00	.06
236.00	.00	0	-301.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.34	.00	.05	.00	.05
238.00	.00	0	-283.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.20	.00	.05	.00	.05
240.00	.00	0	-264.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.06	.00	.05	.00	.05
242.00	.00	0	-246.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.92	.00	.04	.00	.04
244.00	.00	0	-228.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.78	.00	.04	.00	.04
246.00	.00	0	-211.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.64	.00	.04	.00	.04
248.00	.00	0	-193.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.50	.00	.03	.00	.03
250.00	.00	0	-176.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.37	.00	.03	.00	.03
252.00	.00	0	-159.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.24	.00	.03	.00	.03
254.00	.00	0	-142.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.10	.00	.03	.00	.03
256.00	.00	0	-125.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.97	.00	.02	.00	.02
258.00	.00	0	-108.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.84	.00	.02	.00	.02
260.00	.00	0	-91.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.71	.00	.02	.00	.02
262.00	.00	0	-75.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.59	.00	.01	.00	.01
264.00	.00	0	-58.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.46	.00	.01	.00	.01
266.00	.00	0	-42.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.33	.00	.01	.00	.01
268.00	.00	0	-26.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.20	.00	.00	.00	.00

*** Pile Head Load And Deformation Report For Pile Joint 172 Load Case No. 8 ***

	Allowable Modifier	2.000			
			X	Y	Z
Specified Springs:	Translational (Kips/In)				
	Rotational (In-Kips/Rad)	1.00			
Calculated Loads:	Force (Kips)	3121.132	13.489	218.166	
	Moment (In-Kips)	-.004	-107746.500	6964.792	
Calculated Displacements:	Translational (In)	1.0829	1.4763	28.8472	
	Rotational (Rad)	-.00355	.02134	-.00076	

*** Pile Detail Report For Pile Joint 172 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (Kips)	Angle (Deg)	OD (In)	WT (In)	Fy (KSI)			Axial	Bend.	Total
.00	28.88	87	-3120.7	0.	217.8	86	107971.	86	42.00	1.75	36.0	-14.10	50.50	.33	.94	1.26
2.00	28.35	87	-3121.2	0.	216.2	86	101072.	86	42.00	1.75	36.0	-14.10	47.28	.33	.88	1.20
4.00	27.77	87	-3121.8	0.	214.4	86	94072.	86	42.00	1.75	36.0	-14.11	44.00	.33	.81	1.14
6.00	27.15	87	-3122.3	0.	212.5	86	86985.	86	42.00	1.75	36.0	-14.11	40.69	.33	.75	1.08
8.00	26.49	87	-3122.8	0.	210.4	86	79824.	86	42.00	1.75	36.0	-14.11	37.34	.33	.69	1.02
10.00	25.79	86	-3123.3	0.	208.1	86	72603.	86	42.00	1.75	36.0	-14.11	33.96	.33	.63	.96
12.00	25.06	86	-3123.8	0.	205.7	86	65395.	85	42.00	1.75	36.0	-14.12	30.56	.33	.57	.89
14.00	24.31	86	-3124.3	0.	203.2	86	58035.	85	42.00	1.75	36.0	-14.12	27.15	.33	.50	.83
16.00	23.52	86	-3124.8	0.	200.5	86	50715.	85	42.00	1.75	36.0	-14.12	23.72	.33	.44	.77
18.00	22.72	86	-3125.2	0.	197.7	86	43388.	85	42.00	1.75	36.0	-14.12	20.29	.33	.38	.70
20.00	21.89	86	-3125.7	0.	194.8	86	36069.	85	42.00	1.75	36.0	-14.12	16.87	.33	.31	.64
22.00	21.05	86	-3126.1	0.	191.8	86	28770.	85	42.00	1.75	36.0	-14.13	13.46	.33	.25	.58
24.00	20.20	86	-3126.5	0.	188.6	86	21505.	84	42.00	1.75	36.0	-14.13	10.06	.33	.19	.51
26.00	19.34	86	-3126.9	0.	185.4	86	14290.	83	42.00	1.75	36.0	-14.13	6.68	.33	.12	.45
28.00	18.47	86	-3127.2	0.	182.0	86	7148.	80	42.00	1.75	36.0	-14.13	3.34	.33	.06	.39
30.00	17.60	86	-3127.6	0.	178.6	86	802.	-2	42.00	1.75	36.0	-14.13	.37	.33	.01	.33
32.00	16.73	86	-3127.9	0.	175.1	86	7050.	-86	42.00	1.75	36.0	-14.14	3.30	.33	.06	.39
34.00	15.86	86	-3128.8	0.	165.1	86	13945.	-90	42.00	1.75	36.0	-14.13	6.52	.33	.12	.45
36.00	15.00	86	-3121.0	0.	149.2	86	20596.	-91	42.00	1.75	36.0	-14.10	9.63	.33	.18	.50
38.00	14.14	86	-3116.2	0.	133.5	86	26835.	-91	42.00	1.75	36.0	-14.08	12.55	.33	.23	.56
40.00	13.30	86	-3111.3	0.	118.2	86	32660.	-91	42.00	1.75	36.0	-14.06	15.28	.33	.28	.61
42.00	12.47	86	-3106.3	0.	103.2	85	38068.	-92	42.00	1.75	36.0	-14.04	17.81	.32	.33	.65
44.00	11.66	86	-3101.2	0.	88.5	85	43061.	-92	42.00	1.75	36.0	-14.01	20.14	.32	.37	.70
46.00	10.87	86	-3096.1	0.	74.2	85	47638.	-92	42.00	1.75	36.0	-13.99	22.28	.32	.41	.74
48.00	10.10	86	-3090.9	0.	60.2	85	51803.	-92	42.00	1.75	36.0	-13.97	24.23	.32	.45	.77
50.00	9.35	86	-3085.6	0.	46.6	85	55558.	-92	42.00	1.75	36.0	-13.94	25.99	.32	.48	.80
52.00	8.63	86	-3080.2	0.	33.4	84	58906.	-92	42.00	1.75	36.0	-13.92	27.55	.32	.51	.83
54.00	7.94	86	-3074.8	0.	20.5	82	61852.	-92	42.00	1.75	36.0	-13.90	28.93	.32	.54	.86
56.00	7.27	86	-3069.3	0.	8.0	76	64400.	-92	42.00	1.75	36.0	-13.87	30.12	.32	.56	.88
58.00	6.62	86	-3063.7	0.	4.4	-74	66557.	-92	42.00	1.75	36.0	-13.84	31.13	.32	.58	.90
60.00	6.01	86	-3058.0	0.	16.0	-88	68329.	-92	42.00	1.75	36.0	-13.82	31.96	.32	.59	.91
62.00	5.43	86	-3052.3	0.	27.3	269	69724.	-92	42.00	1.75	36.0	-13.79	32.61	.32	.60	.92
64.00	4.88	86	-3046.5	0.	38.3	268	70749.	-92	42.00	1.75	36.0	-13.77	33.09	.32	.61	.93
66.00	4.36	86	-3040.6	0.	48.8	268	71413.	-92	42.00	1.75	36.0	-13.74	33.40	.32	.62	.94
68.00	3.87	86	-3034.6	0.	58.9	268	71725.	-92	42.00	1.75	36.0	-13.71	33.55	.32	.62	.94
70.00	3.42	86	-3028.5	0.	68.6	267	71695.	-93	42.00	1.75	36.0	-13.69	33.53	.32	.62	.94
72.00	2.99	86	-3022.4	0.	77.8	267	71335.	-93	42.00	1.75	36.0	-13.66	33.37	.32	.62	.93
74.00	2.60	86	-3016.2	0.	86.6	267	70656.	-93	42.00	1.75	36.0	-13.63	33.05	.32	.61	.93
76.00	2.24	86	-3010.0	0.	95.0	267	69669.	-93	42.00	1.75	36.0	-13.60	32.59	.31	.60	.92
78.00	1.91	86	-3003.6	0.	103.0	267	68385.	-93	42.00	1.75	36.0	-13.57	31.99	.31	.59	.91
80.00	1.61	86	-2997.2	0.	110.5	267	66816.	-93	42.00	1.75	36.0	-13.54	31.25	.31	.58	.89
82.00	1.34	86	-2990.7	0.	117.5	267	64978.	-93	42.00	1.75	36.0	-13.52	30.39	.31	.56	.88
84.00	1.09	86	-2984.1	0.	124.2	267	62882.	-93	42.00	1.75	36.0	-13.49	29.41	.31	.54	.86
86.00	.88	86	-2977.5	0.	130.3	267	60543.	-93	42.00	1.75	36.0	-13.46	28.32	.31	.52	.84
88.00	.69	86	-2970.8	0.	135.9	267	57975.	-93	42.00	1.75	36.0	-13.43	27.12	.31	.50	.81
90.00	.53	86	-2964.0	0.	141.2	267	55193.	-93	42.00	1.75	36.0	-13.39	25.82	.31	.48	.79
92.00	.39	86	-2957.1	0.	145.9	267	52213.	-93	42.00	1.75	36.0	-13.36	24.42	.31	.45	.76
94.00	.28	86	-2950.2	0.	150.1	267	49052.	-93	42.00	1.75	36.0	-13.33	22.94	.31	.42	.73
96.00	.18	86	-2943.2	0.	153.0	267	45724.	-93	42.00	1.75	36.0	-13.30	21.39	.31	.40	.70
98.00	.11	86	-2936.1	0.	154.8	267	42266.	-93	42.00	1.75	36.0	-13.27	19.77	.31	.37	.67

*** Pile Detail Report For Pile Joint 172 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.06	86	-2898.0	0.	257.3	266	38711.	-93	42.00	1.75	36.0	-13.10	18.11	.30	.34	.64
102.00	.02	85	-2830.3	0.	333.1	266	32642.	-93	42.00	1.75	36.0	-12.79	15.27	.30	.28	.58
104.00	.00	-90	-2764.1	0.	327.4	266	24712.	-93	42.00	1.75	36.0	-12.49	11.56	.29	.21	.50
106.00	.01	266	-2699.4	0.	277.6	266	16888.	-93	42.00	1.75	36.0	-12.20	7.90	.28	.15	.43
108.00	.02	266	-2636.0	0.	210.7	266	10238.	-93	42.00	1.75	36.0	-11.91	4.79	.28	.09	.36
110.00	.02	266	-2574.0	0.	144.0	266	5180.	-93	42.00	1.75	36.0	-11.63	2.42	.27	.04	.31
112.00	.01	266	-2513.3	0.	87.1	266	1716.	-94	42.00	1.75	36.0	-11.36	.80	.26	.01	.28
114.00	.01	266	-2454.0	0.	43.7	266	384.	88	42.00	1.75	36.0	-11.09	.18	.26	.00	.26
116.00	.01	266	-2395.9	0.	14.0	265	1442.	86	42.00	1.75	36.0	-10.83	.67	.25	.01	.26
118.00	.00	266	-2339.1	0.	3.9	87	1786.	86	42.00	1.75	36.0	-10.57	.84	.24	.02	.26
120.00	.00	266	-2283.4	0.	12.9	86	1697.	86	42.00	1.75	36.0	-10.32	.79	.24	.01	.25
122.00	.00	-90	-2229.0	0.	15.7	86	1392.	86	42.00	1.75	36.0	-10.07	.65	.23	.01	.25
124.00	.00	90	-2175.7	0.	14.7	86	1018.	86	42.00	1.75	36.0	-9.83	.48	.23	.01	.24
126.00	.00	90	-2123.6	0.	12.0	86	665.	86	42.00	1.75	36.0	-9.60	.31	.22	.01	.23
128.00	.00	90	-2072.5	0.	8.7	86	377.	86	42.00	1.75	36.0	-9.37	.18	.22	.00	.22
130.00	.00	90	-2022.5	0.	5.6	86	168.	86	42.00	1.75	36.0	-9.14	.08	.21	.00	.21
132.00	.00	90	-1973.6	0.	3.1	86	33.	85	42.00	1.75	36.0	-8.92	.02	.21	.00	.21
134.00	.00	90	-1925.7	0.	1.3	86	42.	-92	42.00	1.75	36.0	-8.70	.02	.20	.00	.20
136.00	.00	90	-1878.8	0.	.2	84	74.	-93	42.00	1.75	36.0	-8.49	.03	.20	.00	.20
138.00	.00	90	-1832.9	0.	.4	266	79.	-93	42.00	1.75	36.0	-8.28	.04	.19	.00	.19
140.00	.00	0	-1787.9	0.	.7	266	69.	-93	42.00	1.75	36.0	-8.08	.03	.19	.00	.19
142.00	.00	0	-1743.8	0.	.7	266	52.	-93	42.00	1.75	36.0	-7.88	.02	.18	.00	.18
144.00	.00	0	-1700.7	0.	.6	266	35.	-93	42.00	1.75	36.0	-7.69	.02	.18	.00	.18
146.00	.00	0	-1658.4	0.	.5	266	21.	-93	42.00	1.75	36.0	-7.49	.01	.17	.00	.17
148.00	.00	0	-1617.0	0.	.3	266	10.	-93	42.00	1.75	36.0	-7.31	.00	.17	.00	.17
150.00	.00	0	-1575.0	0.	.2	266	2.	-94	42.00	1.75	36.0	-7.12	.00	.16	.00	.16
152.00	.00	0	-1532.2	0.	.1	266	2.	87	42.00	1.75	36.0	-6.92	.00	.16	.00	.16
154.00	.00	0	-1490.4	0.	.0	263	4.	86	42.00	1.75	36.0	-6.74	.00	.16	.00	.16
156.00	.00	0	-1449.3	0.	.0	86	4.	86	42.00	1.75	36.0	-6.55	.00	.15	.00	.15
158.00	.00	0	-1409.1	0.	.0	86	3.	86	42.00	1.75	36.0	-6.37	.00	.15	.00	.15
160.00	.00	0	-1369.7	0.	.0	86	2.	86	42.00	1.75	36.0	-6.19	.00	.14	.00	.14
162.00	.00	0	-1331.0	0.	.0	86	1.	86	42.00	1.75	36.0	-6.01	.00	.14	.00	.14
164.00	.00	0	-1293.1	0.	.0	86	1.	86	42.00	1.75	36.0	-5.84	.00	.14	.00	.14
166.00	.00	0	-1255.8	0.	.0	86	0.	86	42.00	1.75	36.0	-5.68	.00	.13	.00	.13
168.00	.00	0	-1219.3	0.	.0	86	0.	-88	42.00	1.75	36.0	-5.51	.00	.13	.00	.13
170.00	.00	0	-1183.4	0.	.0	90	0.	-93	42.00	1.50	36.0	-6.20	.00	.14	.00	.14
172.00	.00	0	-1148.1	0.	.0	-90	0.	-93	42.00	1.50	36.0	-6.02	.00	.14	.00	.14
174.00	.00	0	-1113.5	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.83	.00	.14	.00	.14
176.00	.00	0	-1079.7	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.66	.00	.13	.00	.13
178.00	.00	0	-1046.6	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.48	.00	.13	.00	.13
180.00	.00	0	-1014.0	0.	.0	-90	0.	-93	42.00	1.25	36.0	-6.34	.00	.15	.00	.15
182.00	.00	0	-982.1	0.	.0	-90	0.	-93	42.00	1.25	36.0	-6.14	.00	.14	.00	.14
184.00	.00	0	-951.0	0.	.0	-90	0.	88	42.00	1.25	36.0	-5.94	.00	.14	.00	.14
186.00	.00	0	-920.6	0.	.0	0	0.	86	42.00	1.25	36.0	-5.75	.00	.13	.00	.13
188.00	.00	0	-890.9	0.	.0	0	0.	86	42.00	1.25	36.0	-5.57	.00	.13	.00	.13
190.00	.00	0	-861.8	0.	.0	0	0.	86	42.00	1.00	36.0	-6.69	.00	.15	.00	.15
192.00	.00	0	-833.4	0.	.0	0	0.	86	42.00	1.00	36.0	-6.47	.00	.15	.00	.15
194.00	.00	0	-805.8	0.	.0	0	0.	86	42.00	1.00	36.0	-6.26	.00	.14	.00	.14
196.00	.00	0	-778.9	0.	.0	0	0.	86	42.00	1.00	36.0	-6.05	.00	.14	.00	.14
198.00	.00	0	-752.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.84	.00	.14	.00	.14

*** File Detail Report For Pile Joint 172 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend. Total	
200.00	.00	0	-727.5	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.65	.00	.13	.00	.13
202.00	.00	0	-702.8	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.46	.00	.13	.00	.13
204.00	.00	0	-678.8	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.27	.00	.12	.00	.12
206.00	.00	0	-655.5	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.09	.00	.12	.00	.12
208.00	.00	0	-632.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.91	.00	.11	.00	.11
210.00	.00	0	-610.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.74	.00	.11	.00	.11
212.00	.00	0	-587.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.56	.00	.11	.00	.11
214.00	.00	0	-563.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.37	.00	.10	.00	.10
216.00	.00	0	-539.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.19	.00	.10	.00	.10
218.00	.00	0	-516.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.01	.00	.09	.00	.09
220.00	.00	0	-492.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.83	.00	.09	.00	.09
222.00	.00	0	-470.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.65	.00	.08	.00	.08
224.00	.00	0	-447.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.48	.00	.08	.00	.08
226.00	.00	0	-425.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.30	.00	.08	.00	.08
228.00	.00	0	-404.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.14	.00	.07	.00	.07
230.00	.00	0	-382.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.97	.00	.07	.00	.07
232.00	.00	0	-361.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.81	.00	.07	.00	.07
234.00	.00	0	-341.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.65	.00	.06	.00	.06
236.00	.00	0	-321.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.49	.00	.06	.00	.06
238.00	.00	0	-301.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.34	.00	.05	.00	.05
240.00	.00	0	-281.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.19	.00	.05	.00	.05
242.00	.00	0	-262.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.04	.00	.05	.00	.05
244.00	.00	0	-243.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.89	.00	.04	.00	.04
246.00	.00	0	-224.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.74	.00	.04	.00	.04
248.00	.00	0	-205.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.60	.00	.04	.00	.04
250.00	.00	0	-187.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.45	.00	.03	.00	.03
252.00	.00	0	-168.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.31	.00	.03	.00	.03
254.00	.00	0	-150.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.17	.00	.03	.00	.03
256.00	.00	0	-132.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.03	.00	.02	.00	.02
258.00	.00	0	-114.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.89	.00	.02	.00	.02
260.00	.00	0	-97.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.75	.00	.02	.00	.02
262.00	.00	0	-79.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.62	.00	.01	.00	.01
264.00	.00	0	-61.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.48	.00	.01	.00	.01
266.00	.00	0	-44.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.34	.00	.01	.00	.01
268.00	.00	0	-27.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.21	.00	.00	.00	.00

*** Pile Head Load And Deformation Report For Pile Joint 182 Load Case No. 8 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips) 3270.406 166.830 145.804

Moment (In-Kips) -.002 -74534.160 85601.190

Calculated Displacements: Translational (In) 1.1456 22.4341 19.9419

Rotational (Rad) -.00232 .01444 -.01584

*** File Detail Report For Pile Joint 182 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		File Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value	Angle			Value	Angle	Value	Angle	OD	WT	Fy			Axial	Bend.	Total
	(In)	(Deg)			(Kips)	(Deg)	(In-Kips)	(Deg)	(In)	(Lbs)	(KSI)			(KSI)	(KSI)	(KSI)
.00	30.02	41	-3270.0	0.	220.8	41	113503.	41	42.00	1.75	36.0	-14.78	53.09	.34	.98	1.33
2.00	29.48	41	-3270.6	0.	219.2	41	106441.	41	42.00	1.75	36.0	-14.78	49.79	.34	.92	1.26
4.00	28.89	41	-3271.3	0.	217.4	41	99265.	40	42.00	1.75	36.0	-14.78	46.43	.34	.86	1.20
6.00	28.26	41	-3271.9	0.	215.4	41	91989.	40	42.00	1.75	36.0	-14.79	43.03	.34	.80	1.14
8.00	27.59	41	-3272.5	0.	213.2	41	84626.	40	42.00	1.75	36.0	-14.79	39.58	.34	.73	1.08
10.00	26.88	41	-3273.0	0.	211.0	41	77192.	40	42.00	1.75	36.0	-14.79	36.11	.34	.67	1.01
12.00	26.14	41	-3273.6	0.	208.5	41	69701.	40	42.00	1.75	36.0	-14.79	32.60	.34	.60	.95
14.00	25.37	41	-3274.2	0.	206.0	41	62166.	40	42.00	1.75	36.0	-14.80	29.08	.34	.54	.88
16.00	24.57	41	-3274.7	0.	203.3	41	54602.	40	42.00	1.75	36.0	-14.80	25.54	.34	.47	.82
18.00	23.74	41	-3275.2	0.	200.4	41	47025.	40	42.00	1.75	36.0	-14.80	22.00	.34	.41	.75
20.00	22.90	41	-3275.7	0.	197.5	41	39446.	40	42.00	1.75	36.0	-14.80	18.45	.34	.34	.68
22.00	22.03	41	-3276.2	0.	194.4	41	31882.	40	42.00	1.75	36.0	-14.81	14.91	.34	.28	.62
24.00	21.16	41	-3276.7	0.	191.2	41	24346.	39	42.00	1.75	36.0	-14.81	11.39	.34	.21	.55
26.00	20.27	41	-3277.1	0.	187.9	41	16852.	39	42.00	1.75	36.0	-14.81	7.88	.34	.15	.49
28.00	19.37	41	-3277.6	0.	184.5	41	9419.	37	42.00	1.75	36.0	-14.81	4.41	.34	.08	.42
30.00	18.47	41	-3278.0	0.	181.0	41	2122.	23	42.00	1.75	36.0	-14.81	.99	.34	.02	.36
32.00	17.57	41	-3278.4	0.	177.4	41	5311.	-131	42.00	1.75	36.0	-14.82	2.48	.34	.05	.39
34.00	16.68	41	-3278.4	0.	167.3	41	12489.	-135	42.00	1.75	36.0	-14.81	5.84	.34	.11	.45
36.00	15.78	41	-3272.0	0.	151.1	40	19422.	-136	42.00	1.75	36.0	-14.79	9.08	.34	.17	.51
38.00	14.90	41	-3267.6	0.	135.1	40	25936.	-137	42.00	1.75	36.0	-14.77	12.13	.34	.22	.57
40.00	14.03	41	-3263.0	0.	119.5	40	32028.	-137	42.00	1.75	36.0	-14.75	14.98	.34	.28	.62
42.00	13.17	41	-3258.3	0.	104.3	40	37696.	-137	42.00	1.75	36.0	-14.72	17.63	.34	.33	.67
44.00	12.33	41	-3253.6	0.	89.3	40	42940.	-137	42.00	1.75	36.0	-14.70	20.08	.34	.37	.71
46.00	11.51	41	-3248.8	0.	74.7	40	47759.	-137	42.00	1.75	36.0	-14.68	22.34	.34	.41	.75
48.00	10.70	41	-3243.9	0.	60.5	40	52156.	-138	42.00	1.75	36.0	-14.66	24.40	.34	.45	.79
50.00	9.93	41	-3239.0	0.	46.6	39	56132.	-138	42.00	1.75	36.0	-14.64	26.25	.34	.49	.83
52.00	9.17	41	-3233.9	0.	33.0	39	59690.	-138	42.00	1.75	36.0	-14.61	27.92	.34	.52	.86
54.00	8.44	41	-3228.8	0.	19.9	38	62834.	-138	42.00	1.75	36.0	-14.59	29.39	.34	.54	.88
56.00	7.74	41	-3223.6	0.	7.2	32	65569.	-138	42.00	1.75	36.0	-14.57	30.67	.34	.57	.91
58.00	7.07	41	-3218.3	0.	5.5	233	67900.	-138	42.00	1.75	36.0	-14.54	31.76	.34	.59	.92
60.00	6.43	41	-3212.9	0.	17.4	225	69834.	-138	42.00	1.75	36.0	-14.52	32.66	.34	.60	.94
62.00	5.82	41	-3207.5	0.	29.0	223	71376.	-138	42.00	1.75	36.0	-14.49	33.39	.34	.62	.95
64.00	5.25	41	-3202.0	0.	40.2	222	72534.	-138	42.00	1.75	36.0	-14.47	33.93	.33	.63	.96
66.00	4.70	41	-3196.3	0.	51.0	222	73319.	-138	42.00	1.75	36.0	-14.44	34.29	.33	.64	.97
68.00	4.19	41	-3190.7	0.	61.4	222	73737.	-138	42.00	1.75	36.0	-14.42	34.49	.33	.64	.97
70.00	3.70	41	-3184.9	0.	71.4	222	73798.	-138	42.00	1.75	36.0	-14.39	34.52	.33	.64	.97
72.00	3.26	41	-3179.1	0.	80.8	222	73514.	-138	42.00	1.75	36.0	-14.37	34.39	.33	.64	.97
74.00	2.84	41	-3173.1	0.	89.9	222	72897.	-138	42.00	1.75	36.0	-14.34	34.10	.33	.63	.96
76.00	2.46	41	-3167.1	0.	98.5	221	71958.	-138	42.00	1.75	36.0	-14.31	33.66	.33	.62	.95
78.00	2.10	41	-3161.1	0.	106.8	221	70708.	-138	42.00	1.75	36.0	-14.28	33.07	.33	.61	.94
80.00	1.78	41	-3154.9	0.	114.6	221	69158.	-138	42.00	1.75	36.0	-14.26	32.35	.33	.60	.93
82.00	1.49	41	-3148.7	0.	121.9	221	67323.	-138	42.00	1.75	36.0	-14.23	31.49	.33	.58	.91
84.00	1.23	41	-3142.4	0.	128.8	221	65218.	-138	42.00	1.75	36.0	-14.20	30.50	.33	.56	.89
86.00	1.00	41	-3136.0	0.	135.2	221	62855.	-138	42.00	1.75	36.0	-14.17	29.40	.33	.54	.87
88.00	.80	41	-3129.5	0.	141.1	221	60248.	-138	42.00	1.75	36.0	-14.14	28.18	.33	.52	.85
90.00	.62	41	-3123.0	0.	146.6	221	57415.	-138	42.00	1.75	36.0	-14.11	26.86	.33	.50	.82
92.00	.47	41	-3116.4	0.	151.6	221	54370.	-138	42.00	1.75	36.0	-14.08	25.43	.33	.47	.80
94.00	.34	41	-3109.7	0.	156.1	221	51130.	-138	42.00	1.75	36.0	-14.05	23.92	.33	.44	.77
96.00	.24	41	-3102.9	0.	159.8	221	47711.	-138	42.00	1.75	36.0	-14.02	22.32	.32	.41	.74
98.00	.15	41	-3096.0	0.	162.2	221	44137.	-138	42.00	1.75	36.0	-13.99	20.64	.32	.38	.71

*** Pile Detail Report For Pile Joint 182 Load Case No. 8 ***

Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)			WT	Fy (KSI)	Axial	Bend.	Total
100.00	.09	41	-3089.1	0.	163.6	221	40444.	-138	42.00	1.75	36.0	-13.96	18.92	.32	.35	.67
102.00	.04	40	-3016.8	0.	305.0	221	36663.	-138	42.00	1.75	36.0	-13.63	17.15	.32	.32	.63
104.00	.01	40	-2946.1	0.	339.7	221	29436.	-138	42.00	1.75	36.0	-13.31	13.77	.31	.25	.56
106.00	.01	221	-2877.0	0.	310.6	221	21334.	-138	42.00	1.75	36.0	-13.00	9.98	.30	.18	.49
108.00	.02	221	-2809.3	0.	250.6	221	13902.	-138	42.00	1.75	36.0	-12.70	6.50	.29	.12	.41
110.00	.02	221	-2743.0	0.	182.0	221	7894.	-138	42.00	1.75	36.0	-12.40	3.69	.29	.07	.36
112.00	.02	221	-2678.2	0.	118.5	221	3523.	-139	42.00	1.75	36.0	-12.10	1.65	.28	.03	.31
114.00	.01	221	-2614.8	0.	67.1	221	669.	-139	42.00	1.75	36.0	-11.82	.31	.27	.01	.28
116.00	.01	221	-2552.8	0.	29.6	220	951.	41	42.00	1.75	36.0	-11.54	.44	.27	.01	.28
118.00	.01	221	-2492.0	0.	5.1	220	1670.	41	42.00	1.75	36.0	-11.26	.78	.26	.01	.28
120.00	.00	221	-2432.6	0.	8.7	41	1799.	41	42.00	1.75	36.0	-10.99	.84	.25	.02	.27
122.00	.00	220	-2374.4	0.	14.7	41	1596.	41	42.00	1.75	36.0	-10.73	.75	.25	.01	.26
124.00	.00	219	-2317.5	0.	15.7	41	1245.	41	42.00	1.75	36.0	-10.47	.58	.24	.01	.25
126.00	.00	41	-2261.7	0.	13.8	41	870.	41	42.00	1.75	36.0	-10.22	.41	.24	.01	.24
128.00	.00	41	-2207.2	0.	10.7	41	539.	41	42.00	1.75	36.0	-9.97	.25	.23	.00	.24
130.00	.00	41	-2153.7	0.	7.4	41	282.	40	42.00	1.75	36.0	-9.73	.13	.23	.00	.23
132.00	.00	41	-2101.4	0.	4.5	41	104.	40	42.00	1.75	36.0	-9.50	.05	.22	.00	.22
134.00	.00	41	-2050.2	0.	2.3	40	4.	-132	42.00	1.75	36.0	-9.26	.00	.21	.00	.21
136.00	.00	41	-2000.0	0.	.8	40	60.	-138	42.00	1.75	36.0	-9.04	.03	.21	.00	.21
138.00	.00	41	-1950.9	0.	.1	222	79.	-138	42.00	1.75	36.0	-8.82	.04	.20	.00	.20
140.00	.00	0	-1902.8	0.	.6	221	77.	-138	42.00	1.75	36.0	-8.60	.04	.20	.00	.20
142.00	.00	0	-1855.7	0.	.7	221	63.	-138	42.00	1.75	36.0	-8.39	.03	.19	.00	.19
144.00	.00	0	-1809.6	0.	.7	221	46.	-138	42.00	1.75	36.0	-8.18	.02	.19	.00	.19
146.00	.00	0	-1764.3	0.	.5	221	29.	-138	42.00	1.75	36.0	-7.97	.01	.18	.00	.18
148.00	.00	0	-1720.0	0.	.4	221	16.	-138	42.00	1.75	36.0	-7.77	.01	.18	.00	.18
150.00	.00	0	-1676.6	0.	.3	221	7.	-139	42.00	1.75	36.0	-7.58	.00	.18	.00	.18
152.00	.00	0	-1632.5	0.	.1	220	0.	-141	42.00	1.75	36.0	-7.38	.00	.17	.00	.17
154.00	.00	0	-1587.7	0.	.0	220	3.	41	42.00	1.75	36.0	-7.17	.00	.17	.00	.17
156.00	.00	0	-1543.8	0.	.0	42	4.	41	42.00	1.75	36.0	-6.98	.00	.16	.00	.16
158.00	.00	0	-1500.7	0.	.0	41	4.	41	42.00	1.75	36.0	-6.78	.00	.16	.00	.16
160.00	.00	0	-1458.5	0.	.0	41	3.	41	42.00	1.75	36.0	-6.59	.00	.15	.00	.15
162.00	.00	0	-1417.1	0.	.0	41	2.	41	42.00	1.75	36.0	-6.40	.00	.15	.00	.15
164.00	.00	0	-1376.5	0.	.0	41	1.	41	42.00	1.75	36.0	-6.22	.00	.14	.00	.14
166.00	.00	0	-1336.6	0.	.0	41	1.	40	42.00	1.75	36.0	-6.04	.00	.14	.00	.14
168.00	.00	0	-1297.5	0.	.0	41	0.	40	42.00	1.75	36.0	-5.86	.00	.14	.00	.14
170.00	.00	0	-1259.0	0.	.0	40	0.	-138	42.00	1.50	36.0	-6.60	.00	.15	.00	.15
172.00	.00	0	-1221.3	0.	.0	38	0.	-138	42.00	1.50	36.0	-6.40	.00	.15	.00	.15
174.00	.00	0	-1184.3	0.	.0	221	0.	-138	42.00	1.50	36.0	-6.21	.00	.14	.00	.14
176.00	.00	0	-1148.0	0.	.0	221	0.	-138	42.00	1.50	36.0	-6.02	.00	.14	.00	.14
178.00	.00	0	-1112.5	0.	.0	221	0.	-138	42.00	1.50	36.0	-5.83	.00	.13	.00	.13
180.00	.00	0	-1077.7	0.	.0	221	0.	-138	42.00	1.25	36.0	-6.73	.00	.16	.00	.16
182.00	.00	0	-1043.5	0.	.0	221	0.	-139	42.00	1.25	36.0	-6.52	.00	.15	.00	.15
184.00	.00	0	-1010.1	0.	.0	221	0.	-139	42.00	1.25	36.0	-6.31	.00	.15	.00	.15
186.00	.00	0	-977.6	0.	.0	0	0.	41	42.00	1.25	36.0	-6.11	.00	.14	.00	.14
188.00	.00	0	-945.7	0.	.0	0	0.	41	42.00	1.25	36.0	-5.91	.00	.14	.00	.14
190.00	.00	0	-914.5	0.	.0	0	0.	41	42.00	1.00	36.0	-7.10	.00	.16	.00	.16
192.00	.00	0	-884.1	0.	.0	0	0.	41	42.00	1.00	36.0	-6.86	.00	.16	.00	.16
194.00	.00	0	-854.5	0.	.0	0	0.	41	42.00	1.00	36.0	-6.63	.00	.15	.00	.15
196.00	.00	0	-825.7	0.	.0	0	0.	41	42.00	1.00	36.0	-6.41	.00	.15	.00	.15
198.00	.00	0	-797.7	0.	.0	0	0.	40	42.00	1.00	36.0	-6.19	.00	.14	.00	.14

*** Pile Detail Report For Pile Joint 182 Load Case No. 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend. Total	
200.00	.00	0	-770.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.98	.00	.14	.00	.14
202.00	.00	0	-744.0	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.78	.00	.13	.00	.13
204.00	.00	0	-718.2	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.58	.00	.13	.00	.13
206.00	.00	0	-693.2	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.38	.00	.12	.00	.12
208.00	.00	0	-668.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.19	.00	.12	.00	.12
210.00	.00	0	-644.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.01	.00	.12	.00	.12
212.00	.00	0	-621.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.83	.00	.11	.00	.11
214.00	.00	0	-596.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.63	.00	.11	.00	.11
216.00	.00	0	-571.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.44	.00	.10	.00	.10
218.00	.00	0	-546.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.25	.00	.10	.00	.10
220.00	.00	0	-522.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.06	.00	.09	.00	.09
222.00	.00	0	-498.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.87	.00	.09	.00	.09
224.00	.00	0	-475.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.69	.00	.09	.00	.09
226.00	.00	0	-452.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.51	.00	.08	.00	.08
228.00	.00	0	-429.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.33	.00	.08	.00	.08
230.00	.00	0	-406.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.16	.00	.07	.00	.07
232.00	.00	0	-384.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.99	.00	.07	.00	.07
234.00	.00	0	-362.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.82	.00	.07	.00	.07
236.00	.00	0	-341.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.65	.00	.06	.00	.06
238.00	.00	0	-319.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.48	.00	.06	.00	.06
240.00	.00	0	-299.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.32	.00	.05	.00	.05
242.00	.00	0	-278.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.16	.00	.05	.00	.05
244.00	.00	0	-258.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.00	.00	.05	.00	.05
246.00	.00	0	-238.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.85	.00	.04	.00	.04
248.00	.00	0	-218.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.69	.00	.04	.00	.04
250.00	.00	0	-198.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.54	.00	.04	.00	.04
252.00	.00	0	-179.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.39	.00	.03	.00	.03
254.00	.00	0	-159.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.24	.00	.03	.00	.03
256.00	.00	0	-140.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.09	.00	.03	.00	.03
258.00	.00	0	-121.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.94	.00	.02	.00	.02
260.00	.00	0	-102.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.80	.00	.02	.00	.02
262.00	.00	0	-83.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.65	.00	.02	.00	.02
264.00	.00	0	-65.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.51	.00	.01	.00	.01
266.00	.00	0	-46.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.36	.00	.01	.00	.01
268.00	.00	0	-27.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.22	.00	.01	.00	.01

* * * File Critical Load Case Report For Pile Joint 200 - Critical Load Case 6 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD	WT	Fy			Axial	Bend.	Total
.00	33.63	140	-374.9	0.	350.5	140	138462.	139	33.00	16.49	36.0	-.44	39.25	.01	.73	.74
2.01	33.07	140	-380.1	0.	349.0	140	129788.	139	33.00	16.49	36.0	-.44	36.79	.01	.68	.69
4.02	32.46	140	-385.3	0.	347.4	140	121129.	139	33.00	16.49	36.0	-.45	34.33	.01	.64	.65
6.04	31.80	140	-390.5	0.	345.6	140	112491.	139	33.00	16.49	36.0	-.46	31.88	.01	.59	.60
8.05	31.11	140	-395.7	0.	343.6	140	103877.	139	33.00	16.49	36.0	-.46	29.44	.01	.55	.56
10.06	30.39	140	-400.9	0.	341.6	140	95292.	139	33.00	16.49	36.0	-.47	27.01	.01	.50	.51
12.07	29.63	140	-406.1	0.	339.4	140	86741.	139	33.00	16.49	36.0	-.47	24.59	.01	.46	.47
14.09	28.84	140	-411.3	0.	337.0	140	78227.	139	33.00	16.49	36.0	-.48	22.17	.01	.41	.42
16.10	28.03	140	-416.5	0.	334.5	140	69754.	139	33.00	16.49	36.0	-.49	19.77	.01	.37	.38
18.11	27.19	140	-421.7	0.	331.9	140	61328.	138	33.00	16.49	36.0	-.49	17.38	.01	.32	.33
20.12	26.33	140	-426.9	0.	329.2	140	52952.	138	33.00	16.49	36.0	-.50	15.01	.01	.28	.29
22.14	25.45	140	-432.1	0.	326.3	140	44631.	138	33.00	16.49	36.0	-.51	12.65	.01	.23	.25
24.15	24.55	140	-437.3	0.	323.3	140	36369.	138	33.00	16.49	36.0	-.51	10.31	.01	.19	.20
26.16	23.65	140	-442.5	0.	320.2	140	28172.	137	33.00	16.49	36.0	-.52	7.99	.01	.15	.16
28.17	22.73	140	-447.7	0.	317.0	140	20045.	136	33.00	16.49	36.0	-.52	5.68	.01	.11	.12
30.19	21.80	140	-452.9	0.	313.7	140	12003.	134	33.00	16.49	36.0	-.53	3.40	.01	.06	.08
32.20	20.88	140	-456.8	0.	304.4	140	4138.	122	33.00	16.49	36.0	-.53	1.17	.01	.02	.03
34.21	19.95	140	-459.4	0.	289.4	140	4037.	-21	33.00	16.49	36.0	-.54	1.14	.01	.02	.03
36.22	19.02	140	-461.9	0.	274.6	139	11318.	-33	33.00	16.49	36.0	-.54	3.21	.01	.06	.07
38.23	18.10	140	-464.5	0.	260.0	139	18348.	-36	33.00	16.49	36.0	-.54	5.20	.01	.10	.11
40.25	17.18	140	-467.0	0.	245.7	139	25042.	-37	33.00	16.49	36.0	-.55	7.10	.01	.13	.14
42.26	16.27	140	-469.6	0.	231.7	139	31394.	-37	33.00	16.49	36.0	-.55	8.90	.01	.16	.18
44.27	15.37	140	-472.2	0.	217.9	139	37407.	-38	33.00	16.49	36.0	-.55	10.60	.01	.20	.21
46.28	14.48	140	-474.8	0.	204.4	139	43084.	-38	33.00	16.49	36.0	-.56	12.21	.01	.23	.24
48.30	13.61	140	-477.5	0.	191.2	139	48430.	-38	33.00	16.49	36.0	-.56	13.73	.01	.25	.27
50.31	12.76	140	-480.1	0.	178.2	139	53453.	-38	33.00	16.49	36.0	-.56	15.15	.01	.28	.29
52.32	11.93	140	-482.8	0.	165.5	139	58155.	-38	33.00	16.49	36.0	-.56	16.48	.01	.31	.32
54.33	11.11	140	-485.4	0.	153.2	139	62545.	-38	33.00	16.49	36.0	-.57	17.73	.01	.33	.34
56.35	10.32	140	-488.1	0.	141.1	139	66629.	-38	33.00	16.49	36.0	-.57	18.89	.01	.35	.36
58.36	9.55	140	-490.8	0.	129.4	139	70411.	-39	33.00	16.49	36.0	-.57	19.96	.01	.37	.38
60.37	8.80	140	-493.5	0.	117.9	139	73901.	-39	33.00	16.49	36.0	-.58	20.95	.01	.39	.40
62.38	8.08	140	-496.3	0.	106.8	139	77103.	-39	33.00	16.49	36.0	-.58	21.85	.01	.40	.42
64.40	7.38	140	-499.0	0.	96.0	139	80026.	-39	33.00	16.49	36.0	-.58	22.68	.01	.42	.43
66.41	6.72	140	-501.8	0.	85.6	139	82677.	-39	33.00	16.49	36.0	-.59	23.43	.01	.43	.45
68.42	6.08	140	-504.5	0.	75.5	138	85062.	-39	33.00	16.49	36.0	-.59	24.11	.01	.45	.46
70.43	5.47	140	-507.3	0.	65.7	138	87191.	-39	33.00	16.49	36.0	-.59	24.71	.01	.46	.47
72.44	4.89	140	-510.1	0.	56.3	138	89070.	-39	33.00	16.49	36.0	-.60	25.25	.01	.47	.48
74.46	4.34	140	-512.9	0.	47.3	138	90709.	-39	33.00	16.49	36.0	-.60	25.71	.01	.48	.49
76.47	3.83	140	-515.8	0.	38.7	137	92115.	-39	33.00	16.49	36.0	-.60	26.11	.01	.48	.50
78.48	3.34	140	-518.6	0.	30.4	136	93298.	-39	33.00	16.49	36.0	-.61	26.44	.01	.49	.50
80.49	2.89	140	-521.5	0.	22.6	135	94265.	-39	33.00	16.49	36.0	-.61	26.72	.01	.49	.51
82.51	2.47	140	-524.3	0.	15.2	133	95027.	-39	33.00	16.49	36.0	-.61	26.93	.01	.50	.51
84.52	2.08	140	-527.2	0.	8.3	127	95595.	-39	33.00	16.49	36.0	-.62	27.10	.01	.50	.52
86.53	1.73	140	-530.1	0.	2.3	89	95978.	-39	33.00	16.49	36.0	-.62	27.20	.01	.50	.52
88.54	1.41	140	-533.0	0.	5.0	-18	96183.	-39	33.00	16.49	36.0	-.62	27.26	.01	.50	.52
90.56	1.12	140	-536.0	0.	10.5	-30	96224.	-39	33.00	16.49	36.0	-.63	27.27	.01	.51	.52
92.57	.86	140	-538.9	0.	15.7	-33	96110.	-39	33.00	16.49	36.0	-.63	27.24	.01	.50	.52
94.58	.64	140	-541.9	0.	20.4	-34	95852.	-39	33.00	16.49	36.0	-.63	27.17	.01	.50	.52
96.59	.45	140	-544.9	0.	24.7	-35	95462.	-39	33.00	16.49	36.0	-.64	27.06	.01	.50	.52
98.60	.30	140	-547.9	0.	28.3	-36	94953.	-39	33.00	16.49	36.0	-.64	26.91	.01	.50	.51

* * * File Critical Load Case Report For File Joint 200 - Critical Load Case 6 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
100.62	.18	140	-547.5	0.	339.1	-39	94338.	-39	33.00	16.49	36.0	-.64	26.74	.01	.50	.51
102.63	.09	140	-543.8	0.	649.5	-39	86198.	-39	33.00	16.49	36.0	-.64	24.43	.01	.45	.47
104.64	.03	139	-540.2	0.	742.0	-39	70546.	-39	33.00	16.49	36.0	-.63	20.00	.01	.37	.38
106.65	.01	-39	-536.6	0.	698.4	-39	52649.	-39	33.00	16.49	36.0	-.63	14.92	.01	.28	.29
108.67	.03	-39	-533.1	0.	583.3	-39	35794.	-39	33.00	16.49	36.0	-.62	10.15	.01	.19	.20
110.68	.04	-39	-529.7	0.	442.4	-39	21712.	-39	33.00	16.49	36.0	-.62	6.15	.01	.11	.13
112.69	.03	-39	-526.4	0.	305.4	-39	11029.	-39	33.00	16.49	36.0	-.62	3.13	.01	.06	.07
114.70	.03	-39	-523.1	0.	188.5	-39	3652.	-40	33.00	16.49	36.0	-.61	1.04	.01	.02	.03
116.72	.02	-39	-519.9	0.	98.4	-39	902.	140	33.00	16.49	36.0	-.61	.26	.01	.00	.02
118.73	.02	-39	-516.8	0.	35.2	-39	3280.	140	33.00	16.49	36.0	-.60	.93	.01	.02	.03
120.74	.01	-39	-513.7	0.	4.4	141	4134.	140	33.00	16.49	36.0	-.60	1.17	.01	.02	.04
122.75	.00	-39	-510.8	0.	25.6	140	4030.	140	33.00	16.49	36.0	-.60	1.14	.01	.02	.03
124.77	.00	-39	-507.8	0.	33.7	140	3413.	140	33.00	16.49	36.0	-.59	.97	.01	.02	.03
126.78	.00	0	-505.0	0.	33.4	140	2601.	140	33.00	16.49	36.0	-.59	.74	.01	.01	.03
128.79	.00	140	-502.2	0.	28.6	140	1794.	140	33.00	16.49	36.0	-.59	.51	.01	.01	.02
130.80	.00	140	-499.5	0.	21.9	140	1104.	140	33.00	16.49	36.0	-.58	.31	.01	.01	.02
132.81	.00	140	-496.9	0.	15.2	140	574.	140	33.00	16.49	36.0	-.58	.16	.01	.00	.02
134.83	.00	140	-494.3	0.	9.4	140	206.	140	33.00	16.49	36.0	-.58	.06	.01	.00	.01
136.84	.00	140	-491.8	0.	4.9	140	20.	-38	33.00	16.49	36.0	-.57	.01	.01	.00	.01
138.85	.00	140	-489.4	0.	1.8	140	138.	-39	33.00	16.49	36.0	-.57	.04	.01	.00	.01
140.86	.00	140	-487.0	0.	.2	-38	182.	-39	33.00	16.49	36.0	-.57	.05	.01	.00	.01
142.88	.00	140	-484.7	0.	1.2	-39	178.	-39	33.00	16.49	36.0	-.57	.05	.01	.00	.01
144.89	.00	0	-482.4	0.	1.6	-39	150.	-39	33.00	16.49	36.0	-.56	.04	.01	.00	.01
146.90	.00	0	-480.3	0.	1.5	-39	112.	-39	33.00	16.49	36.0	-.56	.03	.01	.00	.01
148.91	.00	0	-478.1	0.	1.3	-39	75.	-39	33.00	16.49	36.0	-.56	.02	.01	.00	.01
150.93	.00	0	-475.8	0.	1.0	-39	44.	-39	33.00	16.49	36.0	-.56	.01	.01	.00	.01
152.94	.00	0	-473.3	0.	.6	-39	21.	-39	33.00	16.49	36.0	-.55	.01	.01	.00	.01
154.95	.00	0	-470.8	0.	.3	-39	7.	-39	33.00	16.49	36.0	-.55	.00	.01	.00	.01
156.96	.00	0	-468.4	0.	.1	-40	0.	-46	33.00	16.49	36.0	-.55	.00	.01	.00	.01
158.98	.00	0	-466.1	0.	.0	140	1.	140	33.00	16.49	36.0	-.54	.00	.01	.00	.01
160.99	.00	0	-463.8	0.	.0	140	1.	140	33.00	16.49	36.0	-.54	.00	.01	.00	.01

*** Pile Critical Load Case Report For Pile Joint 112 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Axial	Bend.	Total
.00	33.31	-79	2169.9	0.	395.4	-79	116286.	-79	42.00	1.75	36.0	9.81	54.39	.23	1.01	1.23
2.00	32.74	-79	2166.9	0.	393.6	-79	108030.	-79	42.00	1.75	36.0	9.79	50.53	.23	.94	1.16
4.00	32.12	-79	2164.0	0.	391.8	-79	99917.	-79	42.00	1.75	36.0	9.78	46.74	.23	.87	1.09
6.00	31.46	-79	2161.0	0.	389.7	-79	91943.	-79	42.00	1.75	36.0	9.77	43.01	.23	.80	1.02
8.00	30.76	-79	2158.0	0.	387.5	-79	84105.	-79	42.00	1.75	36.0	9.75	39.34	.23	.73	.95
10.00	30.02	-79	2155.0	0.	385.1	-79	76397.	-79	42.00	1.75	36.0	9.74	35.73	.23	.66	.89
12.00	29.25	-79	2152.0	0.	382.6	-79	68817.	-79	42.00	1.75	36.0	9.72	32.19	.23	.60	.82
14.00	28.45	-79	2149.0	0.	380.0	-79	61361.	-79	42.00	1.75	36.0	9.71	28.70	.22	.53	.76
16.00	27.62	-79	2146.0	0.	377.1	-79	54024.	-79	42.00	1.75	36.0	9.70	25.27	.22	.47	.69
18.00	26.77	-79	2142.9	0.	374.2	-79	46804.	-79	42.00	1.75	36.0	9.68	21.89	.22	.41	.63
20.00	25.89	-79	2139.9	0.	371.1	-79	39697.	-79	42.00	1.75	36.0	9.67	18.57	.22	.34	.57
22.00	25.00	-79	2136.8	0.	367.9	-79	32698.	-79	42.00	1.75	36.0	9.66	15.29	.22	.28	.51
24.00	24.10	-79	2133.7	0.	364.6	-79	25805.	-79	42.00	1.75	36.0	9.64	12.07	.22	.22	.45
26.00	23.18	-79	2130.7	0.	361.1	-79	19014.	-79	42.00	1.75	36.0	9.63	8.89	.22	.16	.39
28.00	22.25	-79	2127.6	0.	357.5	-79	12320.	-79	42.00	1.75	36.0	9.61	5.76	.22	.11	.33
30.00	21.32	-79	2124.5	0.	353.9	-79	5721.	-79	42.00	1.75	36.0	9.60	2.68	.22	.05	.27
32.00	20.39	-79	2121.4	0.	350.1	-79	787.	100	42.00	1.75	36.0	9.59	.37	.22	.01	.23
34.00	19.45	-79	2114.8	0.	339.4	-79	7208.	100	42.00	1.75	36.0	9.56	3.37	.22	.06	.28
36.00	18.52	-79	2104.8	0.	322.3	-79	13387.	100	42.00	1.75	36.0	9.51	6.26	.22	.12	.34
38.00	17.60	-79	2094.7	0.	305.5	-79	19177.	100	42.00	1.75	36.0	9.47	8.97	.22	.17	.39
40.00	16.68	-79	2084.6	0.	289.0	-79	24590.	100	42.00	1.75	36.0	9.42	11.50	.22	.21	.43
42.00	15.78	-79	2074.4	0.	272.7	-79	29638.	100	42.00	1.75	36.0	9.37	13.86	.22	.26	.47
44.00	14.89	-79	2064.2	0.	256.8	-79	34333.	100	42.00	1.75	36.0	9.33	16.06	.22	.30	.51
46.00	14.01	-79	2053.9	0.	241.2	-79	38686.	100	42.00	1.75	36.0	9.28	18.10	.21	.34	.55
48.00	13.15	-79	2043.6	0.	225.9	-79	42710.	100	42.00	1.75	36.0	9.23	19.98	.21	.37	.58
50.00	12.31	-79	2033.2	0.	211.0	-79	46414.	100	42.00	1.75	36.0	9.19	21.71	.21	.40	.61
52.00	11.49	-79	2022.8	0.	196.4	-79	49810.	100	42.00	1.75	36.0	9.14	23.30	.21	.43	.64
54.00	10.69	-79	2012.3	0.	182.2	-79	52909.	100	42.00	1.75	36.0	9.09	24.75	.21	.46	.67
56.00	9.91	-79	2001.7	0.	168.3	-79	55722.	100	42.00	1.75	36.0	9.05	26.06	.21	.48	.69
58.00	9.16	-79	1991.2	0.	154.8	-79	58259.	100	42.00	1.75	36.0	9.00	27.25	.21	.50	.71
60.00	8.44	-79	1980.5	0.	141.6	-79	60530.	100	42.00	1.75	36.0	8.95	28.31	.21	.52	.73
62.00	7.74	-79	1969.8	0.	128.8	-79	62546.	100	42.00	1.75	36.0	8.90	29.26	.21	.54	.75
64.00	7.07	-79	1959.1	0.	116.4	-79	64317.	100	42.00	1.75	36.0	8.85	30.08	.20	.56	.76
66.00	6.43	-79	1948.4	0.	104.4	-79	65853.	100	42.00	1.75	36.0	8.80	30.80	.20	.57	.77
68.00	5.82	-79	1937.8	0.	92.8	-79	67164.	100	42.00	1.75	36.0	8.76	31.42	.20	.58	.78
70.00	5.23	-79	1927.2	0.	81.6	-79	68260.	100	42.00	1.75	36.0	8.71	31.93	.20	.59	.79
72.00	4.68	-79	1916.8	0.	70.8	-79	69153.	100	42.00	1.75	36.0	8.66	32.35	.20	.60	.80
74.00	4.16	-79	1906.4	0.	60.4	-79	69851.	100	42.00	1.75	36.0	8.61	32.67	.20	.61	.80
76.00	3.67	-79	1896.0	0.	50.5	-79	70363.	100	42.00	1.75	36.0	8.57	32.91	.20	.61	.81
78.00	3.21	-79	1885.8	0.	41.1	-79	70702.	100	42.00	1.75	36.0	8.52	33.07	.20	.61	.81
80.00	2.78	-79	1875.7	0.	32.1	-79	70878.	100	42.00	1.75	36.0	8.48	33.15	.20	.61	.81
82.00	2.38	-79	1865.6	0.	23.5	-79	70902.	100	42.00	1.75	36.0	8.43	33.16	.20	.61	.81
84.00	2.02	-79	1855.6	0.	15.3	-79	70783.	100	42.00	1.75	36.0	8.39	33.11	.19	.61	.81
86.00	1.68	-79	1845.6	0.	7.7	-79	70529.	100	42.00	1.75	36.0	8.34	32.99	.19	.61	.80
88.00	1.38	-79	1835.8	0.	.6	-79	70154.	100	42.00	1.75	36.0	8.30	32.81	.19	.61	.80
90.00	1.10	-79	1826.0	0.	6.0	100	69669.	100	42.00	1.75	36.0	8.25	32.59	.19	.60	.79
92.00	.86	-79	1816.4	0.	12.1	100	69062.	100	42.00	1.75	36.0	8.21	32.31	.19	.60	.79
94.00	.65	-79	1806.8	0.	17.7	100	68407.	100	42.00	1.75	36.0	8.16	32.00	.19	.59	.78
96.00	.47	-79	1797.3	0.	22.7	100	67655.	100	42.00	1.75	36.0	8.12	31.65	.19	.59	.77
98.00	.32	-79	1788.0	0.	27.1	100	66839.	100	42.00	1.75	36.0	8.08	31.26	.19	.58	.77

* * * Pile Critical Load Case Report For Pile Joint 112 - Critical Load Case 6 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values			
	Normal To Pile Value (In)	Angle (Deg)		Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT			Fy (KSI)	Axial	Bend.	Total
100.00	.20	-79	1778.7	0.	30.2	100	65972.	100	42.00	1.75	36.0	8.04	30.86	.19	.57	.76
102.00	.10	-79	1736.8	0.	397.6	100	65084.	100	42.00	1.75	36.0	7.85	30.44	.18	.56	.75
104.00	.04	-79	1695.9	0.	542.8	100	55429.	100	42.00	1.75	36.0	7.66	25.93	.18	.48	.66
106.00	.00	-79	1655.8	0.	545.2	100	42334.	100	42.00	1.75	36.0	7.48	19.80	.17	.37	.54
108.00	.02	100	1616.5	0.	468.9	100	29213.	100	42.00	1.75	36.0	7.31	13.66	.17	.25	.42
110.00	.03	100	1578.2	0.	360.2	100	17947.	100	42.00	1.75	36.0	7.13	8.39	.17	.16	.32
112.00	.03	100	1540.6	0.	249.4	100	9303.	100	42.00	1.75	36.0	6.96	4.35	.16	.08	.24
114.00	.02	100	1503.8	0.	153.4	100	3324.	100	42.00	1.75	36.0	6.80	1.55	.16	.03	.19
116.00	.02	100	1467.8	0.	79.4	100	348.	-79	42.00	1.75	36.0	6.63	.16	.15	.00	.16
118.00	.01	100	1432.6	0.	28.1	100	2245.	-79	42.00	1.75	36.0	6.47	1.05	.15	.02	.17
120.00	.01	100	1398.1	0.	3.5	-79	2911.	-79	42.00	1.75	36.0	6.32	1.36	.15	.03	.17
122.00	.00	100	1364.4	0.	19.7	-79	2822.	-79	42.00	1.75	36.0	6.17	1.32	.14	.02	.17
124.00	.00	100	1331.3	0.	25.3	-79	2346.	-79	42.00	1.75	36.0	6.02	1.10	.14	.02	.16
126.00	.00	-90	1299.0	0.	24.4	-79	1736.	-79	42.00	1.75	36.0	5.87	.81	.14	.02	.15
128.00	.00	-79	1267.3	0.	20.2	-79	1149.	-79	42.00	1.75	36.0	5.73	.54	.13	.01	.14
130.00	.00	-79	1236.3	0.	14.8	-79	664.	-79	42.00	1.75	36.0	5.59	.31	.13	.01	.14
132.00	.00	-79	1205.9	0.	9.7	-79	308.	-79	42.00	1.75	36.0	5.45	.14	.13	.00	.13
134.00	.00	-79	1176.1	0.	5.5	-79	74.	-79	42.00	1.75	36.0	5.31	.04	.12	.00	.12
136.00	.00	-79	1147.0	0.	2.5	-79	57.	100	42.00	1.75	36.0	5.18	.03	.12	.00	.12
138.00	.00	-90	1118.4	0.	.5	-79	117.	100	42.00	1.75	36.0	5.05	.05	.12	.00	.12
140.00	.00	-90	1090.5	0.	.6	100	128.	100	42.00	1.75	36.0	4.93	.06	.11	.00	.12
142.00	.00	0	1063.0	0.	1.1	100	114.	100	42.00	1.75	36.0	4.80	.05	.11	.00	.11
144.00	.00	0	1036.2	0.	1.2	100	88.	100	42.00	1.75	36.0	4.68	.04	.11	.00	.11
146.00	.00	0	1009.9	0.	1.0	100	60.	100	42.00	1.75	36.0	4.56	.03	.11	.00	.11
148.00	.00	0	984.1	0.	.8	100	36.	100	42.00	1.75	36.0	4.45	.02	.10	.00	.10
150.00	.00	0	958.8	0.	.5	100	17.	100	42.00	1.75	36.0	4.33	.01	.10	.00	.10
152.00	.00	0	933.2	0.	.3	100	4.	100	42.00	1.75	36.0	4.22	.00	.10	.00	.10
154.00	.00	0	907.2	0.	.1	100	2.	-79	42.00	1.75	36.0	4.10	.00	.09	.00	.09
156.00	.00	0	881.8	0.	.0	100	5.	-79	42.00	1.75	36.0	3.98	.00	.09	.00	.09
158.00	.00	0	856.9	0.	.0	-79	6.	-79	42.00	1.75	36.0	3.87	.00	.09	.00	.09
160.00	.00	0	832.4	0.	.1	-79	5.	-79	42.00	1.75	36.0	3.76	.00	.09	.00	.09
162.00	.00	0	808.4	0.	.1	-79	3.	-79	42.00	1.75	36.0	3.65	.00	.08	.00	.08
164.00	.00	0	784.8	0.	.0	-79	2.	-79	42.00	1.75	36.0	3.55	.00	.08	.00	.08
166.00	.00	0	761.7	0.	.0	-79	1.	-79	42.00	1.75	36.0	3.44	.00	.08	.00	.08
168.00	.00	0	739.0	0.	.0	-79	0.	-79	42.00	1.75	36.0	3.34	.00	.08	.00	.08
170.00	.00	0	716.8	0.	.0	-79	0.	-79	42.00	1.50	36.0	3.76	.00	.09	.00	.09
172.00	.00	0	695.2	0.	.0	-79	0.	100	42.00	1.50	36.0	3.64	.00	.08	.00	.08
174.00	.00	0	674.0	0.	.0	100	0.	100	42.00	1.50	36.0	3.53	.00	.08	.00	.08
176.00	.00	0	653.3	0.	.0	100	0.	100	42.00	1.50	36.0	3.42	.00	.08	.00	.08
178.00	.00	0	633.0	0.	.0	100	0.	100	42.00	1.50	36.0	3.32	.00	.08	.00	.08
180.00	.00	0	613.2	0.	.0	100	0.	100	42.00	1.25	36.0	3.83	.00	.09	.00	.09
182.00	.00	0	594.0	0.	.0	100	0.	100	42.00	1.25	36.0	3.71	.00	.09	.00	.09
184.00	.00	0	575.2	0.	.0	100	0.	100	42.00	1.25	36.0	3.59	.00	.08	.00	.08
186.00	.00	0	556.9	0.	.0	90	0.	-79	42.00	1.25	36.0	3.48	.00	.08	.00	.08
188.00	.00	0	539.0	0.	.0	0	0.	-79	42.00	1.25	36.0	3.37	.00	.08	.00	.08
190.00	.00	0	521.6	0.	.0	0	0.	-79	42.00	1.00	36.0	4.05	.00	.09	.00	.09
192.00	.00	0	504.9	0.	.0	-90	0.	-79	42.00	1.00	36.0	3.92	.00	.09	.00	.09
194.00	.00	0	488.6	0.	.0	0	0.	-79	42.00	1.00	36.0	3.79	.00	.09	.00	.09
196.00	.00	0	472.7	0.	.0	0	0.	-79	42.00	1.00	36.0	3.67	.00	.08	.00	.08
198.00	.00	0	457.4	0.	.0	0	0.	-79	42.00	1.00	36.0	3.55	.00	.08	.00	.08

*** Pile Critical Load Case Report For Pile Joint 112 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
200.00	.00	0	442.4	0.	.0	0	0.	-90	42.00	1.00	36.0	3.44	.00	.08	.00	.08
202.00	.00	0	427.9	0.	.0	0	0.	100	42.00	1.00	36.0	3.32	.00	.08	.00	.08
204.00	.00	0	413.8	0.	.0	0	0.	100	42.00	1.00	36.0	3.21	.00	.07	.00	.07
206.00	.00	0	400.1	0.	.0	0	0.	100	42.00	1.00	36.0	3.11	.00	.07	.00	.07
208.00	.00	0	386.8	0.	.0	0	0.	100	42.00	1.00	36.0	3.00	.00	.07	.00	.07
210.00	.00	0	373.9	0.	.0	0	0.	-90	42.00	1.00	36.0	2.90	.00	.07	.00	.07
212.00	.00	0	361.3	0.	.0	0	0.	-90	42.00	1.00	36.0	2.80	.00	.06	.00	.06
214.00	.00	0	345.0	0.	.0	0	0.	-90	42.00	1.00	36.0	2.68	.00	.06	.00	.06
216.00	.00	0	329.1	0.	.0	0	0.	-90	42.00	1.00	36.0	2.56	.00	.06	.00	.06
218.00	.00	0	313.5	0.	.0	0	0.	-90	42.00	1.00	36.0	2.43	.00	.06	.00	.06
220.00	.00	0	298.2	0.	.0	0	0.	-90	42.00	1.00	36.0	2.32	.00	.05	.00	.05
222.00	.00	0	283.2	0.	.0	0	0.	-90	42.00	1.00	36.0	2.20	.00	.05	.00	.05
224.00	.00	0	268.5	0.	.0	0	0.	-90	42.00	1.00	36.0	2.08	.00	.05	.00	.05
226.00	.00	0	254.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.97	.00	.05	.00	.05
228.00	.00	0	240.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.86	.00	.04	.00	.04
230.00	.00	0	226.5	0.	.0	0	0.	-90	42.00	1.00	36.0	1.76	.00	.04	.00	.04
232.00	.00	0	213.1	0.	.0	0	0.	-90	42.00	1.00	36.0	1.65	.00	.04	.00	.04
234.00	.00	0	200.1	0.	.0	0	0.	-90	42.00	1.00	36.0	1.55	.00	.04	.00	.04
236.00	.00	0	187.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.45	.00	.03	.00	.03
238.00	.00	0	174.7	0.	.0	0	0.	-90	42.00	1.00	36.0	1.36	.00	.03	.00	.03
240.00	.00	0	162.3	0.	.0	0	0.	-90	42.00	1.00	36.0	1.26	.00	.03	.00	.03
242.00	.00	0	150.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.17	.00	.03	.00	.03
244.00	.00	0	138.3	0.	.0	0	0.	-90	42.00	1.00	36.0	1.07	.00	.02	.00	.02
246.00	.00	0	126.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.98	.00	.02	.00	.02
248.00	.00	0	115.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.89	.00	.02	.00	.02
250.00	.00	0	103.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.80	.00	.02	.00	.02
252.00	.00	0	92.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.72	.00	.02	.00	.02
254.00	.00	0	81.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.63	.00	.01	.00	.01
256.00	.00	0	70.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.54	.00	.01	.00	.01
258.00	.00	0	59.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.46	.00	.01	.00	.01
260.00	.00	0	48.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.38	.00	.01	.00	.01
262.00	.00	0	37.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.29	.00	.01	.00	.01
264.00	.00	0	26.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.21	.00	.00	.00	.00
266.00	.00	0	16.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.12	.00	.00	.00	.00
268.00	.00	0	5.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.04	.00	.00	.00	.00

*** Pile Critical Load Case Report For Pile Joint 122 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD	WT	Fy			(KSI)	Axial	Bend.	Total
.00	34.45	-36	261.0	0.	349.5	-36	122290.	-36	42.00	1.75	36.0	1.18	57.20	.03	1.06	1.09
2.00	33.86	-36	259.1	0.	347.8	-36	114057.	-36	42.00	1.75	36.0	1.17	53.35	.03	.99	1.02
4.00	33.21	-36	257.1	0.	345.9	-36	105877.	-36	42.00	1.75	36.0	1.16	49.52	.03	.92	.94
6.00	32.52	-36	255.2	0.	343.9	-36	97754.	-36	42.00	1.75	36.0	1.15	45.72	.03	.85	.87
8.00	31.78	-36	253.3	0.	341.6	-36	89689.	-36	42.00	1.75	36.0	1.14	41.95	.03	.78	.80
10.00	31.00	-36	251.4	0.	339.2	-36	81688.	-36	42.00	1.75	36.0	1.14	38.21	.03	.71	.73
12.00	30.19	-36	249.6	0.	336.7	-36	73751.	-36	42.00	1.75	36.0	1.13	34.50	.03	.64	.66
14.00	29.35	-36	247.7	0.	334.0	-36	65882.	-36	42.00	1.75	36.0	1.12	30.82	.03	.57	.60
16.00	28.47	-36	245.8	0.	331.1	-36	58083.	-36	42.00	1.75	36.0	1.11	27.17	.03	.50	.53
18.00	27.57	-36	243.9	0.	328.2	-36	50358.	-36	42.00	1.75	36.0	1.10	23.55	.03	.44	.46
20.00	26.65	-36	242.1	0.	325.0	-36	42707.	-35	42.00	1.75	36.0	1.09	19.98	.03	.37	.40
22.00	25.71	-36	240.2	0.	321.8	-36	35135.	-35	42.00	1.75	36.0	1.09	16.43	.03	.30	.33
24.00	24.75	-36	238.4	0.	318.4	-36	27643.	-35	42.00	1.75	36.0	1.08	12.93	.02	.24	.26
26.00	23.78	-36	236.5	0.	315.0	-36	20233.	-35	42.00	1.75	36.0	1.07	9.46	.02	.18	.20
28.00	22.81	-36	234.7	0.	311.4	-36	12910.	-34	42.00	1.75	36.0	1.06	6.04	.02	.11	.14
30.00	21.82	-36	232.9	0.	307.7	-36	5683.	-31	42.00	1.75	36.0	1.05	2.66	.02	.05	.07
32.00	20.84	-36	231.1	0.	303.9	-36	1590.	123	42.00	1.75	36.0	1.04	.74	.02	.01	.04
34.00	19.85	-36	228.6	0.	293.1	-36	8577.	139	42.00	1.75	36.0	1.03	4.01	.02	.07	.10
36.00	18.87	-36	225.5	0.	275.9	-36	15381.	141	42.00	1.75	36.0	1.02	7.19	.02	.13	.16
38.00	17.90	-36	222.5	0.	259.0	-36	21780.	141	42.00	1.75	36.0	1.01	10.19	.02	.19	.21
40.00	16.93	-36	219.5	0.	242.4	-36	27779.	142	42.00	1.75	36.0	.99	12.99	.02	.24	.26
42.00	15.98	-36	216.5	0.	226.1	-36	33386.	142	42.00	1.75	36.0	.98	15.62	.02	.29	.31
44.00	15.04	-36	213.6	0.	210.1	-36	38608.	142	42.00	1.75	36.0	.97	18.06	.02	.33	.36
46.00	14.12	-36	210.7	0.	194.5	-36	43453.	142	42.00	1.75	36.0	.95	20.32	.02	.38	.40
48.00	13.22	-36	207.8	0.	179.2	-36	47930.	142	42.00	1.75	36.0	.94	22.42	.02	.42	.44
50.00	12.34	-36	205.0	0.	164.2	-36	52047.	142	42.00	1.75	36.0	.93	24.34	.02	.45	.47
52.00	11.48	-36	202.2	0.	149.7	-36	55812.	142	42.00	1.75	36.0	.91	26.11	.02	.48	.50
54.00	10.64	-36	199.4	0.	135.4	-36	59235.	142	42.00	1.75	36.0	.90	27.71	.02	.51	.53
56.00	9.84	-36	196.7	0.	121.6	-36	62324.	142	42.00	1.75	36.0	.89	29.15	.02	.54	.56
58.00	9.06	-36	194.0	0.	108.1	-36	65088.	142	42.00	1.75	36.0	.88	30.44	.02	.56	.58
60.00	8.31	-36	191.3	0.	95.0	-36	67537.	142	42.00	1.75	36.0	.86	31.59	.02	.58	.61
62.00	7.59	-36	188.6	0.	82.3	-36	69678.	143	42.00	1.75	36.0	.85	32.59	.02	.60	.62
64.00	6.90	-36	186.0	0.	70.0	-36	71523.	143	42.00	1.75	36.0	.84	33.45	.02	.62	.64
66.00	6.24	-36	183.4	0.	58.1	-36	73080.	143	42.00	1.75	36.0	.83	34.18	.02	.63	.65
68.00	5.61	-36	180.9	0.	46.6	-35	74359.	143	42.00	1.75	36.0	.82	34.78	.02	.64	.66
70.00	5.02	-36	178.3	0.	35.6	-35	75370.	143	42.00	1.75	36.0	.81	35.25	.02	.65	.67
72.00	4.46	-36	175.8	0.	25.0	-35	76124.	143	42.00	1.75	36.0	.79	35.61	.02	.66	.68
74.00	3.93	-36	173.3	0.	14.8	-33	76630.	143	42.00	1.75	36.0	.78	35.84	.02	.66	.68
76.00	3.44	-36	170.9	0.	5.2	-28	76900.	143	42.00	1.75	36.0	.77	35.97	.02	.67	.68
78.00	2.98	-36	168.4	0.	4.1	132	76944.	143	42.00	1.75	36.0	.76	35.99	.02	.67	.68
80.00	2.56	-36	166.0	0.	12.9	139	76775.	143	42.00	1.75	36.0	.75	35.91	.02	.67	.68
82.00	2.17	-36	163.6	0.	21.2	141	76402.	143	42.00	1.75	36.0	.74	35.74	.02	.66	.68
84.00	1.81	-36	161.3	0.	29.0	141	75834.	143	42.00	1.75	36.0	.73	35.47	.02	.66	.67
86.00	1.49	-36	159.0	0.	36.3	142	75086.	143	42.00	1.75	36.0	.72	35.12	.02	.65	.67
88.00	1.20	-36	156.7	0.	43.1	142	74168.	143	42.00	1.75	36.0	.71	34.69	.02	.64	.66
90.00	.94	-36	154.4	0.	49.4	142	73092.	143	42.00	1.75	36.0	.70	34.19	.02	.63	.65
92.00	.72	-36	152.1	0.	55.2	142	71871.	143	42.00	1.75	36.0	.69	33.62	.02	.62	.64
94.00	.53	-36	149.9	0.	60.4	142	70518.	143	42.00	1.75	36.0	.68	32.98	.02	.61	.63
96.00	.36	-36	147.7	0.	64.9	142	69044.	143	42.00	1.75	36.0	.67	32.29	.02	.60	.61
98.00	.23	-36	145.5	0.	68.6	142	67466.	143	42.00	1.75	36.0	.66	31.56	.02	.58	.60

* * * Pile Critical Load Case Report For Pile Joint 122 - Critical Load Case 6 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT (In)	Fy (KSI)			Axial	Bend.	Total
100.00	.13	-36	142.6	0.	299.6	143	65805.	143	42.00	1.75	36.0	.64	30.78	.01	.57	.58
102.00	.06	-36	138.9	0.	509.2	143	58604.	143	42.00	1.75	36.0	.63	27.41	.01	.51	.52
104.00	.01	-36	135.3	0.	551.5	143	46378.	143	42.00	1.75	36.0	.61	21.69	.01	.40	.42
106.00	.01	143	131.8	0.	495.9	143	33139.	143	42.00	1.75	36.0	.60	15.50	.01	.29	.30
108.00	.03	143	128.4	0.	394.5	143	21237.	143	42.00	1.75	36.0	.58	9.93	.01	.18	.20
110.00	.03	143	125.0	0.	282.7	143	11769.	143	42.00	1.75	36.0	.57	5.50	.01	.10	.12
112.00	.03	143	121.7	0.	181.2	143	4985.	143	42.00	1.75	36.0	.55	2.33	.01	.04	.06
114.00	.02	143	118.5	0.	100.2	143	636.	143	42.00	1.75	36.0	.54	.30	.01	.01	.02
116.00	.01	143	115.3	0.	42.0	143	1766.	-36	42.00	1.75	36.0	.52	.83	.01	.02	.03
118.00	.01	143	112.2	0.	4.7	143	2772.	-36	42.00	1.75	36.0	.51	1.30	.01	.02	.04
120.00	.00	143	109.2	0.	15.8	-36	2884.	-36	42.00	1.75	36.0	.49	1.35	.01	.02	.04
122.00	.00	143	106.2	0.	24.3	-36	2503.	-36	42.00	1.75	36.0	.48	1.17	.01	.02	.03
124.00	.00	143	103.2	0.	25.1	-36	1920.	-36	42.00	1.75	36.0	.47	.90	.01	.02	.03
126.00	.00	-36	100.3	0.	21.6	-36	1318.	-36	42.00	1.75	36.0	.45	.62	.01	.01	.02
128.00	.00	-36	97.5	0.	16.5	-36	799.	-36	42.00	1.75	36.0	.44	.37	.01	.01	.02
130.00	.00	-36	94.7	0.	11.2	-36	403.	-36	42.00	1.75	36.0	.43	.19	.01	.00	.01
132.00	.00	-36	91.9	0.	6.7	-36	136.	-36	42.00	1.75	36.0	.42	.06	.01	.00	.01
134.00	.00	-36	89.2	0.	3.3	-36	25.	142	42.00	1.75	36.0	.40	.01	.01	.00	.01
136.00	.00	-36	86.6	0.	1.0	-36	104.	143	42.00	1.75	36.0	.39	.05	.01	.00	.01
138.00	.00	-36	84.0	0.	.3	143	128.	143	42.00	1.75	36.0	.38	.06	.01	.00	.01
140.00	.00	-36	81.4	0.	1.0	143	119.	143	42.00	1.75	36.0	.37	.06	.01	.00	.01
142.00	.00	0	78.9	0.	1.2	143	96.	143	42.00	1.75	36.0	.36	.05	.01	.00	.01
144.00	.00	0	76.4	0.	1.1	143	68.	143	42.00	1.75	36.0	.35	.03	.01	.00	.01
146.00	.00	0	74.0	0.	.8	143	42.	143	42.00	1.75	36.0	.33	.02	.01	.00	.01
148.00	.00	0	71.6	0.	.6	143	22.	143	42.00	1.75	36.0	.32	.01	.01	.00	.01
150.00	.00	0	69.2	0.	.4	143	7.	143	42.00	1.75	36.0	.31	.00	.01	.00	.01
152.00	.00	0	66.8	0.	.2	143	0.	-37	42.00	1.75	36.0	.30	.00	.01	.00	.01
154.00	.00	0	64.5	0.	.0	143	5.	-36	42.00	1.75	36.0	.29	.00	.01	.00	.01
156.00	.00	0	62.2	0.	.0	-36	6.	-36	42.00	1.75	36.0	.28	.00	.01	.00	.01
158.00	.00	0	59.9	0.	.1	-36	5.	-36	42.00	1.75	36.0	.27	.00	.01	.00	.01
160.00	.00	0	57.7	0.	.1	-36	4.	-36	42.00	1.75	36.0	.26	.00	.01	.00	.01
162.00	.00	0	55.4	0.	.0	-36	2.	-36	42.00	1.75	36.0	.25	.00	.01	.00	.01
164.00	.00	0	53.3	0.	.0	-36	1.	-36	42.00	1.75	36.0	.24	.00	.01	.00	.01
166.00	.00	0	51.1	0.	.0	-36	0.	-36	42.00	1.75	36.0	.23	.00	.01	.00	.01
168.00	.00	0	49.0	0.	.0	-36	0.	-36	42.00	1.75	36.0	.22	.00	.01	.00	.01
170.00	.00	0	47.0	0.	.0	-36	0.	143	42.00	1.50	36.0	.25	.00	.01	.00	.01
172.00	.00	0	45.1	0.	.0	142	0.	143	42.00	1.50	36.0	.24	.00	.01	.00	.01
174.00	.00	0	43.3	0.	.0	143	0.	143	42.00	1.50	36.0	.23	.00	.01	.00	.01
176.00	.00	0	41.5	0.	.0	143	0.	143	42.00	1.50	36.0	.22	.00	.01	.00	.01
178.00	.00	0	39.7	0.	.0	143	0.	143	42.00	1.50	36.0	.21	.00	.00	.00	.00
180.00	.00	0	38.1	0.	.0	143	0.	143	42.00	1.25	36.0	.24	.00	.01	.00	.01
182.00	.00	0	36.6	0.	.0	143	0.	143	42.00	1.25	36.0	.23	.00	.01	.00	.01
184.00	.00	0	35.1	0.	.0	143	0.	143	42.00	1.25	36.0	.22	.00	.01	.00	.01
186.00	.00	0	33.7	0.	.0	0	0.	-36	42.00	1.25	36.0	.21	.00	.00	.00	.00
188.00	.00	0	32.2	0.	.0	0	0.	-36	42.00	1.25	36.0	.20	.00	.00	.00	.00
190.00	.00	0	30.9	0.	.0	0	0.	-36	42.00	1.00	36.0	.24	.00	.01	.00	.01
192.00	.00	0	29.8	0.	.0	0	0.	-36	42.00	1.00	36.0	.23	.00	.01	.00	.01
194.00	.00	0	28.6	0.	.0	0	0.	-36	42.00	1.00	36.0	.22	.00	.01	.00	.01
196.00	.00	0	27.5	0.	.0	0	0.	-36	42.00	1.00	36.0	.21	.00	.00	.00	.00
198.00	.00	0	26.5	0.	.0	0	0.	-36	42.00	1.00	36.0	.21	.00	.00	.00	.00

*** Pile Critical Load Case Report For Pile Joint 122 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)	(Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend. Total	
200.00	.00	0	25.4	0.	.0	0	0.	143	42.00	1.00	36.0	.20	.00	.00	.00	.00
202.00	.00	0	24.4	0.	.0	0	0.	143	42.00	1.00	36.0	.19	.00	.00	.00	.00
204.00	.00	0	23.4	0.	.0	0	0.	143	42.00	1.00	36.0	.18	.00	.00	.00	.00
206.00	.00	0	22.4	0.	.0	0	0.	143	42.00	1.00	36.0	.17	.00	.00	.00	.00
208.00	.00	0	21.4	0.	.0	0	0.	-180	42.00	1.00	36.0	.17	.00	.00	.00	.00
210.00	.00	0	20.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.16	.00	.00	.00	.00
212.00	.00	0	19.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.15	.00	.00	.00	.00
214.00	.00	0	18.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.14	.00	.00	.00	.00
216.00	.00	0	17.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.14	.00	.00	.00	.00
218.00	.00	0	16.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.13	.00	.00	.00	.00
220.00	.00	0	16.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.12	.00	.00	.00	.00
222.00	.00	0	15.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.12	.00	.00	.00	.00
224.00	.00	0	14.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.11	.00	.00	.00	.00
226.00	.00	0	13.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.11	.00	.00	.00	.00
228.00	.00	0	12.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.10	.00	.00	.00	.00
230.00	.00	0	12.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
232.00	.00	0	11.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
234.00	.00	0	10.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.08	.00	.00	.00	.00
236.00	.00	0	10.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.08	.00	.00	.00	.00
238.00	.00	0	9.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.07	.00	.00	.00	.00
240.00	.00	0	8.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.07	.00	.00	.00	.00
242.00	.00	0	8.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.06	.00	.00	.00	.00
244.00	.00	0	7.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.06	.00	.00	.00	.00
246.00	.00	0	6.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
248.00	.00	0	6.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
250.00	.00	0	5.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.04	.00	.00	.00	.00
252.00	.00	0	4.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.04	.00	.00	.00	.00
254.00	.00	0	4.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.03	.00	.00	.00	.00
256.00	.00	0	3.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.03	.00	.00	.00	.00
258.00	.00	0	3.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.02	.00	.00	.00	.00
260.00	.00	0	2.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.02	.00	.00	.00	.00
262.00	.00	0	1.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.01	.00	.00	.00	.00
264.00	.00	0	1.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.01	.00	.00	.00	.00
266.00	.00	0	.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.00	.00	.00	.00	.00
268.00	.00	0	.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.00	.00	.00	.00	.00

* * * Pile Critical Load Case Report For Pile Joint 132 - Critical Load Case 6 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)	(Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD	WI	Fy			(KSI)	Axial	Bend.	Total
.00	35.02	-38	687.4	0.	367.6	-38	124384.	-38	42.00	1.75	36.0	3.11	58.18	.07	1.08	1.15
2.00	34.43	-38	684.8	0.	365.8	-38	115973.	-38	42.00	1.75	36.0	3.09	54.25	.07	1.00	1.08
4.00	33.78	-38	682.2	0.	363.9	-38	107638.	-38	42.00	1.75	36.0	3.08	50.35	.07	.93	1.00
6.00	33.08	-38	679.6	0.	361.8	-38	99379.	-38	42.00	1.75	36.0	3.07	46.48	.07	.86	.93
8.00	32.34	-38	677.1	0.	359.6	-38	91199.	-38	42.00	1.75	36.0	3.06	42.66	.07	.79	.86
10.00	31.56	-38	674.5	0.	357.2	-38	83097.	-38	42.00	1.75	36.0	3.05	38.87	.07	.72	.79
12.00	30.74	-38	672.0	0.	354.6	-38	75077.	-38	42.00	1.75	36.0	3.04	35.12	.07	.65	.72
14.00	29.89	-38	669.5	0.	351.9	-38	67138.	-38	42.00	1.75	36.0	3.03	31.40	.07	.58	.65
16.00	29.01	-38	667.0	0.	349.1	-38	59281.	-38	42.00	1.75	36.0	3.01	27.73	.07	.51	.58
18.00	28.10	-38	664.5	0.	346.1	-38	51509.	-38	42.00	1.75	36.0	3.00	24.09	.07	.45	.52
20.00	27.17	-38	662.0	0.	342.9	-38	43822.	-38	42.00	1.75	36.0	2.99	20.50	.07	.38	.45
22.00	26.22	-38	659.5	0.	339.7	-38	36220.	-39	42.00	1.75	36.0	2.98	16.94	.07	.31	.38
24.00	25.26	-38	657.0	0.	336.3	-38	28705.	-39	42.00	1.75	36.0	2.97	13.43	.07	.25	.32
26.00	24.28	-38	654.6	0.	332.8	-38	21278.	-39	42.00	1.75	36.0	2.96	9.95	.07	.18	.25
28.00	23.29	-38	652.1	0.	329.1	-38	13939.	-39	42.00	1.75	36.0	2.95	6.52	.07	.12	.19
30.00	22.30	-38	649.7	0.	325.4	-38	6689.	-40	42.00	1.75	36.0	2.94	3.13	.07	.06	.13
32.00	21.30	-38	647.2	0.	321.6	-38	515.	163	42.00	1.75	36.0	2.92	.24	.07	.00	.07
34.00	20.31	-38	642.9	0.	310.8	-38	7551.	142	42.00	1.75	36.0	2.91	3.53	.07	.07	.13
36.00	19.32	-38	636.6	0.	293.4	-38	14370.	142	42.00	1.75	36.0	2.88	6.72	.07	.12	.19
38.00	18.33	-38	630.4	0.	276.4	-38	20784.	141	42.00	1.75	36.0	2.85	9.72	.07	.18	.25
40.00	17.35	-38	624.2	0.	259.6	-38	26800.	141	42.00	1.75	36.0	2.82	12.54	.07	.23	.30
42.00	16.39	-38	618.1	0.	243.2	-38	32428.	141	42.00	1.75	36.0	2.79	15.17	.06	.28	.35
44.00	15.43	-38	612.0	0.	227.1	-38	37676.	141	42.00	1.75	36.0	2.77	17.62	.06	.33	.39
46.00	14.50	-38	606.0	0.	211.3	-38	42554.	141	42.00	1.75	36.0	2.74	19.90	.06	.37	.43
48.00	13.58	-38	600.1	0.	195.9	-38	47069.	141	42.00	1.75	36.0	2.71	22.02	.06	.41	.47
50.00	12.69	-38	594.3	0.	180.8	-38	51233.	141	42.00	1.75	36.0	2.69	23.96	.06	.44	.51
52.00	11.82	-38	588.5	0.	166.0	-38	55053.	141	42.00	1.75	36.0	2.66	25.75	.06	.48	.54
54.00	10.97	-38	582.8	0.	151.7	-38	58539.	141	42.00	1.75	36.0	2.63	27.38	.06	.51	.57
56.00	10.15	-38	577.1	0.	137.7	-38	61700.	141	42.00	1.75	36.0	2.61	28.86	.06	.53	.59
58.00	9.35	-38	571.5	0.	124.1	-38	64545.	141	42.00	1.75	36.0	2.58	30.19	.06	.56	.62
60.00	8.59	-38	566.0	0.	110.8	-38	67084.	141	42.00	1.75	36.0	2.56	31.38	.06	.58	.64
62.00	7.85	-38	560.5	0.	98.0	-38	69327.	141	42.00	1.75	36.0	2.53	32.43	.06	.60	.66
64.00	7.14	-38	555.1	0.	85.5	-38	71282.	141	42.00	1.75	36.0	2.51	33.34	.06	.62	.68
66.00	6.47	-38	549.7	0.	73.5	-38	72960.	141	42.00	1.75	36.0	2.48	34.13	.06	.63	.69
68.00	5.83	-38	544.4	0.	61.9	-38	74370.	141	42.00	1.75	36.0	2.46	34.79	.06	.64	.70
70.00	5.22	-38	539.2	0.	50.7	-38	75522.	141	42.00	1.75	36.0	2.44	35.33	.06	.65	.71
72.00	4.64	-38	534.0	0.	39.9	-39	76428.	141	42.00	1.75	36.0	2.41	35.75	.06	.66	.72
74.00	4.10	-38	528.9	0.	29.6	-39	77096.	141	42.00	1.75	36.0	2.39	36.06	.06	.67	.72
76.00	3.59	-38	523.9	0.	19.8	-39	77537.	141	42.00	1.75	36.0	2.37	36.27	.05	.67	.73
78.00	3.12	-38	518.9	0.	10.4	-40	77763.	141	42.00	1.75	36.0	2.34	36.37	.05	.67	.73
80.00	2.68	-38	513.9	0.	1.6	-48	77785.	141	42.00	1.75	36.0	2.32	36.38	.05	.67	.73
82.00	2.27	-38	509.1	0.	6.9	143	77613.	141	42.00	1.75	36.0	2.30	36.30	.05	.67	.73
84.00	1.90	-38	504.2	0.	14.9	142	77258.	141	42.00	1.75	36.0	2.28	36.14	.05	.67	.72
86.00	1.57	-38	499.5	0.	22.3	142	76731.	141	42.00	1.75	36.0	2.26	35.89	.05	.66	.72
88.00	1.26	-38	494.8	0.	29.3	141	76044.	141	42.00	1.75	36.0	2.24	35.57	.05	.66	.71
90.00	1.00	-38	490.1	0.	35.7	141	75209.	141	42.00	1.75	36.0	2.21	35.18	.05	.65	.70
92.00	.76	-38	485.5	0.	41.5	141	74236.	141	42.00	1.75	36.0	2.19	34.72	.05	.64	.69
94.00	.56	-38	480.9	0.	46.8	141	73141.	141	42.00	1.75	36.0	2.17	34.21	.05	.63	.68
96.00	.39	-38	476.4	0.	51.5	141	71935.	141	42.00	1.75	36.0	2.15	33.65	.05	.62	.67
98.00	.25	-38	472.0	0.	55.4	141	70634.	141	42.00	1.75	36.0	2.13	33.04	.05	.61	.66

*** Pile Critical Load Case Report For Pile Joint 132 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.14	-38	464.1	0.	303.3	141	69253.	141	42.00	1.75	36.0	2.10	32.39	.05	.60	.65
102.00	.06	-38	452.9	0.	530.8	141	61938.	141	42.00	1.75	36.0	2.05	28.97	.05	.54	.58
104.00	.01	-38	442.0	0.	579.8	141	49177.	141	42.00	1.75	36.0	2.00	23.00	.05	.43	.47
106.00	.02	141	431.4	0.	523.8	141	35250.	141	42.00	1.75	36.0	1.95	16.49	.05	.31	.35
108.00	.03	141	420.9	0.	418.2	141	22674.	141	42.00	1.75	36.0	1.90	10.61	.04	.20	.24
110.00	.03	141	410.7	0.	300.7	141	12637.	141	42.00	1.75	36.0	1.86	5.91	.04	.11	.15
112.00	.03	141	400.6	0.	193.5	141	5422.	141	42.00	1.75	36.0	1.81	2.54	.04	.05	.09
114.00	.02	141	390.8	0.	107.6	141	780.	141	42.00	1.75	36.0	1.77	.37	.04	.01	.05
116.00	.02	141	381.2	0.	45.7	141	1799.	-38	42.00	1.75	36.0	1.72	.84	.04	.02	.06
118.00	.01	141	371.8	0.	5.9	141	2894.	-38	42.00	1.75	36.0	1.68	1.35	.04	.03	.06
120.00	.01	141	362.6	0.	16.1	-38	3034.	-38	42.00	1.75	36.0	1.64	1.42	.04	.03	.06
122.00	.00	141	353.5	0.	25.4	-38	2645.	-38	42.00	1.75	36.0	1.60	1.24	.04	.02	.06
124.00	.00	141	344.7	0.	26.4	-38	2036.	-38	42.00	1.75	36.0	1.56	.95	.04	.02	.05
126.00	.00	-38	336.0	0.	22.9	-38	1402.	-38	42.00	1.75	36.0	1.52	.66	.04	.01	.05
128.00	.00	-38	327.5	0.	17.5	-38	854.	-38	42.00	1.75	36.0	1.48	.40	.03	.01	.04
130.00	.00	-38	319.2	0.	11.9	-38	435.	-38	42.00	1.75	36.0	1.44	.20	.03	.00	.04
132.00	.00	-38	311.0	0.	7.2	-38	148.	-38	42.00	1.75	36.0	1.41	.07	.03	.00	.03
134.00	.00	-38	303.0	0.	3.5	-38	22.	141	42.00	1.75	36.0	1.37	.01	.03	.00	.03
136.00	.00	-38	295.2	0.	1.1	-38	107.	141	42.00	1.75	36.0	1.33	.05	.03	.00	.03
138.00	.00	-38	287.5	0.	.3	141	134.	141	42.00	1.75	36.0	1.30	.06	.03	.00	.03
140.00	.00	-38	279.9	0.	1.0	141	126.	141	42.00	1.75	36.0	1.27	.06	.03	.00	.03
142.00	.00	0	272.5	0.	1.2	141	101.	141	42.00	1.75	36.0	1.23	.05	.03	.00	.03
144.00	.00	0	265.3	0.	1.1	141	72.	141	42.00	1.75	36.0	1.20	.03	.03	.00	.03
146.00	.00	0	258.2	0.	.9	141	45.	141	42.00	1.75	36.0	1.17	.02	.03	.00	.03
148.00	.00	0	251.2	0.	.6	141	24.	141	42.00	1.75	36.0	1.14	.01	.03	.00	.03
150.00	.00	0	244.1	0.	.4	141	8.	141	42.00	1.75	36.0	1.10	.00	.03	.00	.03
152.00	.00	0	237.0	0.	.2	141	0.	-38	42.00	1.75	36.0	1.07	.00	.02	.00	.02
154.00	.00	0	230.1	0.	.0	141	5.	-38	42.00	1.75	36.0	1.04	.00	.02	.00	.02
156.00	.00	0	223.2	0.	.0	-38	6.	-38	42.00	1.75	36.0	1.01	.00	.02	.00	.02
158.00	.00	0	216.5	0.	.1	-38	5.	-38	42.00	1.75	36.0	.98	.00	.02	.00	.02
160.00	.00	0	209.9	0.	.1	-38	4.	-38	42.00	1.75	36.0	.95	.00	.02	.00	.02
162.00	.00	0	203.4	0.	.1	-38	2.	-38	42.00	1.75	36.0	.92	.00	.02	.00	.02
164.00	.00	0	197.1	0.	.0	-38	1.	-38	42.00	1.75	36.0	.89	.00	.02	.00	.02
166.00	.00	0	190.8	0.	.0	-38	0.	-38	42.00	1.75	36.0	.86	.00	.02	.00	.02
168.00	.00	0	184.7	0.	.0	-38	0.	-38	42.00	1.75	36.0	.83	.00	.02	.00	.02
170.00	.00	0	178.7	0.	.0	-38	0.	141	42.00	1.50	36.0	.94	.00	.02	.00	.02
172.00	.00	0	173.0	0.	.0	141	0.	141	42.00	1.50	36.0	.91	.00	.02	.00	.02
174.00	.00	0	167.4	0.	.0	141	0.	141	42.00	1.50	36.0	.88	.00	.02	.00	.02
176.00	.00	0	161.9	0.	.0	141	0.	141	42.00	1.50	36.0	.85	.00	.02	.00	.02
178.00	.00	0	156.5	0.	.0	141	0.	141	42.00	1.50	36.0	.82	.00	.02	.00	.02
180.00	.00	0	151.3	0.	.0	141	0.	141	42.00	1.25	36.0	.95	.00	.02	.00	.02
182.00	.00	0	146.3	0.	.0	141	0.	141	42.00	1.25	36.0	.91	.00	.02	.00	.02
184.00	.00	0	141.4	0.	.0	141	0.	141	42.00	1.25	36.0	.88	.00	.02	.00	.02
186.00	.00	0	136.7	0.	.0	0	0.	-38	42.00	1.25	36.0	.85	.00	.02	.00	.02
188.00	.00	0	132.0	0.	.0	0	0.	-38	42.00	1.25	36.0	.82	.00	.02	.00	.02
190.00	.00	0	127.6	0.	.0	0	0.	-38	42.00	1.00	36.0	.99	.00	.02	.00	.02
192.00	.00	0	123.4	0.	.0	0	0.	-38	42.00	1.00	36.0	.96	.00	.02	.00	.02
194.00	.00	0	119.3	0.	.0	0	0.	-38	42.00	1.00	36.0	.93	.00	.02	.00	.02
196.00	.00	0	115.3	0.	.0	0	0.	-38	42.00	1.00	36.0	.90	.00	.02	.00	.02
198.00	.00	0	111.4	0.	.0	0	0.	-38	42.00	1.00	36.0	.86	.00	.02	.00	.02

*** File Critical Load Case Report For Pile Joint 132 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)	(Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
200.00	.00	0	107.6	0.	.0	0	0.	141	42.00	1.00	36.0	.84	.00	.02	.00	.02
202.00	.00	0	104.0	0.	.0	0	0.	141	42.00	1.00	36.0	.81	.00	.02	.00	.02
204.00	.00	0	100.4	0.	.0	0	0.	141	42.00	1.00	36.0	.78	.00	.02	.00	.02
206.00	.00	0	97.0	0.	.0	0	0.	141	42.00	1.00	36.0	.75	.00	.02	.00	.02
208.00	.00	0	93.6	0.	.0	0	0.	-180	42.00	1.00	36.0	.73	.00	.02	.00	.02
210.00	.00	0	90.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.70	.00	.02	.00	.02
212.00	.00	0	86.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.67	.00	.02	.00	.02
214.00	.00	0	82.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.64	.00	.01	.00	.01
216.00	.00	0	78.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.61	.00	.01	.00	.01
218.00	.00	0	74.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.58	.00	.01	.00	.01
220.00	.00	0	71.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.55	.00	.01	.00	.01
222.00	.00	0	67.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.53	.00	.01	.00	.01
224.00	.00	0	64.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.50	.00	.01	.00	.01
226.00	.00	0	60.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.47	.00	.01	.00	.01
228.00	.00	0	57.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.45	.00	.01	.00	.01
230.00	.00	0	54.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.42	.00	.01	.00	.01
232.00	.00	0	50.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.40	.00	.01	.00	.01
234.00	.00	0	47.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.37	.00	.01	.00	.01
236.00	.00	0	44.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.35	.00	.01	.00	.01
238.00	.00	0	41.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.32	.00	.01	.00	.01
240.00	.00	0	38.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.30	.00	.01	.00	.01
242.00	.00	0	35.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.28	.00	.01	.00	.01
244.00	.00	0	33.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.26	.00	.01	.00	.01
246.00	.00	0	30.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.23	.00	.01	.00	.01
248.00	.00	0	27.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.21	.00	.00	.00	.00
250.00	.00	0	24.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.19	.00	.00	.00	.00
252.00	.00	0	22.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.17	.00	.00	.00	.00
254.00	.00	0	19.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.15	.00	.00	.00	.00
256.00	.00	0	16.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.13	.00	.00	.00	.00
258.00	.00	0	14.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.11	.00	.00	.00	.00
260.00	.00	0	11.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
262.00	.00	0	9.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.07	.00	.00	.00	.00
264.00	.00	0	6.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
266.00	.00	0	3.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.03	.00	.00	.00	.00
268.00	.00	0	1.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.01	.00	.00	.00	.00

*** File Critical Load Case Report For Pile Joint 142 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT (Lbs)	Fy (KSI)			Axial	Bend.	Total
.00	35.61	4	-1384.6	0.	307.0	4	128953.	4	42.00	1.75	36.0	-6.26	60.32	.14	1.12	1.26
2.00	35.00	4	-1384.4	0.	305.3	4	120742.	4	42.00	1.75	36.0	-6.26	56.48	.14	1.05	1.19
4.00	34.34	4	-1384.2	0.	303.3	4	112499.	4	42.00	1.75	36.0	-6.26	52.62	.14	.97	1.12
6.00	33.62	4	-1384.0	0.	301.3	4	104233.	4	42.00	1.75	36.0	-6.25	48.75	.14	.90	1.05
8.00	32.87	4	-1383.7	0.	299.0	4	95954.	4	42.00	1.75	36.0	-6.25	44.88	.14	.83	.98
10.00	32.07	4	-1383.5	0.	296.6	4	87671.	4	42.00	1.75	36.0	-6.25	41.01	.14	.76	.90
12.00	31.23	4	-1383.2	0.	294.0	4	79392.	4	42.00	1.75	36.0	-6.25	37.13	.14	.69	.83
14.00	30.35	4	-1383.0	0.	291.3	4	71126.	4	42.00	1.75	36.0	-6.25	33.27	.14	.62	.76
16.00	29.45	4	-1382.7	0.	288.4	4	62883.	4	42.00	1.75	36.0	-6.25	29.41	.14	.54	.69
18.00	28.51	4	-1382.5	0.	285.4	4	54670.	4	42.00	1.75	36.0	-6.25	25.57	.14	.47	.62
20.00	27.55	4	-1382.3	0.	282.2	4	46497.	4	42.00	1.75	36.0	-6.25	21.75	.14	.40	.55
22.00	26.58	4	-1382.1	0.	279.0	4	38371.	5	42.00	1.75	36.0	-6.25	17.95	.14	.33	.48
24.00	25.58	4	-1381.9	0.	275.6	4	30301.	5	42.00	1.75	36.0	-6.24	14.17	.14	.26	.41
26.00	24.57	4	-1381.7	0.	272.0	4	22294.	5	42.00	1.75	36.0	-6.24	10.43	.14	.19	.34
28.00	23.55	4	-1381.5	0.	268.4	4	14359.	5	42.00	1.75	36.0	-6.24	6.72	.14	.12	.27
30.00	22.53	4	-1381.3	0.	264.7	4	6505.	7	42.00	1.75	36.0	-6.24	3.04	.14	.06	.20
32.00	21.50	4	-1381.2	0.	260.8	4	1308.	171	42.00	1.75	36.0	-6.24	.61	.14	.01	.16
34.00	20.47	4	-1377.5	0.	250.0	4	8956.	-177	42.00	1.75	36.0	-6.23	4.19	.14	.08	.22
36.00	19.45	4	-1370.4	0.	232.6	4	16364.	-176	42.00	1.75	36.0	-6.19	7.65	.14	.14	.29
38.00	18.43	4	-1363.4	0.	215.5	4	23338.	-176	42.00	1.75	36.0	-6.16	10.92	.14	.20	.34
40.00	17.43	4	-1356.4	0.	198.7	4	29881.	-175	42.00	1.75	36.0	-6.13	13.98	.14	.26	.40
42.00	16.43	4	-1349.4	0.	182.3	4	35997.	-175	42.00	1.75	36.0	-6.10	16.84	.14	.31	.45
44.00	15.46	4	-1342.5	0.	166.2	4	41690.	-175	42.00	1.75	36.0	-6.07	19.50	.14	.36	.50
46.00	14.50	4	-1335.7	0.	150.4	4	46964.	-175	42.00	1.75	36.0	-6.04	21.97	.14	.41	.55
48.00	13.56	4	-1328.9	0.	135.0	4	51826.	-175	42.00	1.75	36.0	-6.01	24.24	.14	.45	.59
50.00	12.64	4	-1322.2	0.	119.9	4	56280.	-175	42.00	1.75	36.0	-5.98	26.32	.14	.49	.63
52.00	11.75	4	-1315.6	0.	105.2	4	60335.	-175	42.00	1.75	36.0	-5.95	28.22	.14	.52	.66
54.00	10.89	4	-1309.0	0.	90.9	4	63995.	-175	42.00	1.75	36.0	-5.92	29.93	.14	.55	.69
56.00	10.06	4	-1302.5	0.	76.9	4	67269.	-175	42.00	1.75	36.0	-5.89	31.46	.14	.58	.72
58.00	9.25	4	-1296.1	0.	63.3	4	70163.	-175	42.00	1.75	36.0	-5.86	32.82	.14	.61	.74
60.00	8.48	4	-1289.8	0.	50.1	5	72687.	-175	42.00	1.75	36.0	-5.83	34.00	.13	.63	.76
62.00	7.73	4	-1283.5	0.	37.4	5	74847.	-175	42.00	1.75	36.0	-5.80	35.01	.13	.65	.78
64.00	7.02	4	-1277.3	0.	25.0	5	76654.	-175	42.00	1.75	36.0	-5.77	35.85	.13	.66	.80
66.00	6.35	4	-1271.2	0.	13.0	6	78116.	-175	42.00	1.75	36.0	-5.74	36.54	.13	.68	.81
68.00	5.71	4	-1265.1	0.	1.5	22	79242.	-175	42.00	1.75	36.0	-5.72	37.06	.13	.69	.82
70.00	5.10	4	-1259.1	0.	9.6	181	80044.	-175	42.00	1.75	36.0	-5.69	37.44	.13	.69	.83
72.00	4.53	4	-1253.1	0.	20.3	183	80531.	-175	42.00	1.75	36.0	-5.66	37.67	.13	.70	.83
74.00	4.00	4	-1247.3	0.	30.5	183	80714.	-175	42.00	1.75	36.0	-5.64	37.75	.13	.70	.83
76.00	3.50	4	-1241.5	0.	40.3	183	80603.	-175	42.00	1.75	36.0	-5.61	37.70	.13	.70	.83
78.00	3.03	4	-1235.7	0.	49.5	184	80212.	-175	42.00	1.75	36.0	-5.58	37.52	.13	.69	.82
80.00	2.61	4	-1230.1	0.	58.3	184	79552.	-175	42.00	1.75	36.0	-5.56	37.21	.13	.69	.82
82.00	2.21	4	-1224.5	0.	66.7	184	78636.	-175	42.00	1.75	36.0	-5.53	36.78	.13	.68	.81
84.00	1.86	4	-1218.9	0.	74.6	184	77473.	-175	42.00	1.75	36.0	-5.51	36.24	.13	.67	.80
86.00	1.53	4	-1213.5	0.	82.0	184	76076.	-175	42.00	1.75	36.0	-5.48	35.58	.13	.66	.79
88.00	1.24	4	-1208.1	0.	88.9	184	74461.	-175	42.00	1.75	36.0	-5.46	34.83	.13	.64	.77
90.00	.98	4	-1202.8	0.	95.3	184	72639.	-175	42.00	1.75	36.0	-5.44	33.98	.13	.63	.76
92.00	.76	4	-1197.6	0.	101.1	184	70622.	-175	42.00	1.75	36.0	-5.41	33.03	.13	.61	.74
94.00	.57	4	-1192.4	0.	106.4	184	68428.	-175	42.00	1.75	36.0	-5.39	32.01	.12	.59	.72
96.00	.40	4	-1187.4	0.	111.2	184	66068.	-175	42.00	1.75	36.0	-5.37	30.90	.12	.57	.70
98.00	.27	4	-1182.5	0.	115.3	184	63560.	-175	42.00	1.75	36.0	-5.34	29.73	.12	.55	.67

*** File Critical Load Case Report For Pile Joint 142 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.16	4	-1177.7	0.	117.9	184	60918.	-175	42.00	1.75	36.0	-5.32	28.49	.12	.53	.65
102.00	.08	4	-1150.5	0.	406.4	184	58182.	-175	42.00	1.75	36.0	-5.20	27.21	.12	.50	.62
104.00	.03	4	-1124.0	0.	507.4	184	48491.	-175	42.00	1.75	36.0	-5.08	22.68	.12	.42	.54
106.00	.00	184	-1098.0	0.	490.7	184	36351.	-175	42.00	1.75	36.0	-4.96	17.00	.11	.31	.43
108.00	.02	184	-1072.6	0.	411.7	184	24592.	-175	42.00	1.75	36.0	-4.85	11.50	.11	.21	.33
110.00	.03	184	-1047.7	0.	309.8	184	14716.	-175	42.00	1.75	36.0	-4.73	6.88	.11	.13	.24
112.00	.03	184	-1023.4	0.	209.9	184	7280.	-175	42.00	1.75	36.0	-4.62	3.41	.11	.06	.17
114.00	.02	184	-999.7	0.	125.4	184	2239.	-175	42.00	1.75	36.0	-4.52	1.05	.10	.02	.12
116.00	.02	184	-976.4	0.	61.7	184	776.	4	42.00	1.75	36.0	-4.41	.36	.10	.01	.11
118.00	.01	184	-953.6	0.	18.4	184	2262.	4	42.00	1.75	36.0	-4.31	1.06	.10	.02	.12
120.00	.01	184	-931.4	0.	7.4	4	2708.	4	42.00	1.75	36.0	-4.21	1.27	.10	.02	.12
122.00	.00	184	-909.6	0.	20.0	4	2534.	4	42.00	1.75	36.0	-4.11	1.19	.10	.02	.12
124.00	.00	184	-888.3	0.	23.6	4	2056.	4	42.00	1.75	36.0	-4.01	.96	.09	.02	.11
126.00	.00	4	-867.5	0.	22.0	4	1490.	4	42.00	1.75	36.0	-3.92	.70	.09	.01	.10
128.00	.00	4	-847.1	0.	17.7	4	963.	4	42.00	1.75	36.0	-3.83	.45	.09	.01	.10
130.00	.00	4	-827.1	0.	12.7	4	539.	4	42.00	1.75	36.0	-3.74	.25	.09	.00	.09
132.00	.00	4	-807.6	0.	8.1	4	233.	4	42.00	1.75	36.0	-3.65	.11	.08	.00	.09
134.00	.00	4	-788.5	0.	4.5	4	38.	4	42.00	1.75	36.0	-3.56	.02	.08	.00	.08
136.00	.00	4	-769.8	0.	1.8	4	69.	-175	42.00	1.75	36.0	-3.48	.03	.08	.00	.08
138.00	.00	4	-751.5	0.	.2	4	113.	-175	42.00	1.75	36.0	-3.40	.05	.08	.00	.08
140.00	.00	4	-733.6	0.	.7	184	118.	-175	42.00	1.75	36.0	-3.32	.06	.08	.00	.08
142.00	.00	0	-716.1	0.	1.0	184	101.	-175	42.00	1.75	36.0	-3.24	.05	.07	.00	.07
144.00	.00	0	-699.0	0.	1.1	184	76.	-175	42.00	1.75	36.0	-3.16	.04	.07	.00	.07
146.00	.00	0	-682.2	0.	.9	184	51.	-175	42.00	1.75	36.0	-3.08	.02	.07	.00	.07
148.00	.00	0	-665.7	0.	.7	184	29.	-175	42.00	1.75	36.0	-3.01	.01	.07	.00	.07
150.00	.00	0	-649.6	0.	.5	184	13.	-175	42.00	1.75	36.0	-2.94	.01	.07	.00	.07
152.00	.00	0	-633.3	0.	.3	184	2.	-175	42.00	1.75	36.0	-2.86	.00	.07	.00	.07
154.00	.00	0	-616.6	0.	.1	184	3.	4	42.00	1.75	36.0	-2.79	.00	.06	.00	.06
156.00	.00	0	-600.3	0.	.0	185	5.	4	42.00	1.75	36.0	-2.71	.00	.06	.00	.06
158.00	.00	0	-584.4	0.	.0	4	5.	4	42.00	1.75	36.0	-2.64	.00	.06	.00	.06
160.00	.00	0	-568.7	0.	.1	4	4.	4	42.00	1.75	36.0	-2.57	.00	.06	.00	.06
162.00	.00	0	-553.4	0.	.1	4	3.	4	42.00	1.75	36.0	-2.50	.00	.06	.00	.06
164.00	.00	0	-538.4	0.	.0	4	1.	4	42.00	1.75	36.0	-2.43	.00	.06	.00	.06
166.00	.00	0	-523.7	0.	.0	4	0.	4	42.00	1.75	36.0	-2.37	.00	.05	.00	.05
168.00	.00	0	-509.3	0.	.0	4	0.	4	42.00	1.75	36.0	-2.30	.00	.05	.00	.05
170.00	.00	0	-495.0	0.	.0	4	0.	-175	42.00	1.50	36.0	-2.25	.00	.06	.00	.06
172.00	.00	0	-481.0	0.	.0	4	0.	-175	42.00	1.50	36.0	-2.22	.00	.06	.00	.06
174.00	.00	0	-467.3	0.	.0	184	0.	-175	42.00	1.50	36.0	-2.19	.00	.06	.00	.06
176.00	.00	0	-453.9	0.	.0	184	0.	-175	42.00	1.50	36.0	-2.16	.00	.06	.00	.06
178.00	.00	0	-440.7	0.	.0	184	0.	-175	42.00	1.50	36.0	-2.13	.00	.05	.00	.05
180.00	.00	0	-427.8	0.	.0	184	0.	-175	42.00	1.25	36.0	-2.10	.00	.06	.00	.06
182.00	.00	0	-415.1	0.	.0	184	0.	-175	42.00	1.25	36.0	-2.07	.00	.06	.00	.06
184.00	.00	0	-402.7	0.	.0	184	0.	-175	42.00	1.25	36.0	-2.04	.00	.06	.00	.06
186.00	.00	0	-390.6	0.	.0	184	0.	4	42.00	1.25	36.0	-2.01	.00	.06	.00	.06
188.00	.00	0	-378.8	0.	.0	0	0.	4	42.00	1.25	36.0	-1.98	.00	.05	.00	.05
190.00	.00	0	-367.2	0.	.0	0	0.	4	42.00	1.00	36.0	-1.95	.00	.07	.00	.07
192.00	.00	0	-355.8	0.	.0	4	0.	4	42.00	1.00	36.0	-1.92	.00	.06	.00	.06
194.00	.00	0	-344.8	0.	.0	0	0.	4	42.00	1.00	36.0	-1.89	.00	.06	.00	.06
196.00	.00	0	-334.1	0.	.0	0	0.	4	42.00	1.00	36.0	-1.86	.00	.06	.00	.06
198.00	.00	0	-323.7	0.	.0	0	0.	0	42.00	1.00	36.0	-1.83	.00	.06	.00	.06

* * * Pile Critical Load Case Report For Pile Joint 142 - Critical Load Case 6 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend. Total	
200.00	.00	0	-313.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.44	.00	.06	.00	.06
202.00	.00	0	-303.9	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.36	.00	.05	.00	.05
204.00	.00	0	-294.4	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.29	.00	.05	.00	.05
206.00	.00	0	-285.2	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.21	.00	.05	.00	.05
208.00	.00	0	-276.3	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.15	.00	.05	.00	.05
210.00	.00	0	-267.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.08	.00	.05	.00	.05
212.00	.00	0	-259.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.01	.00	.05	.00	.05
214.00	.00	0	-247.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.92	.00	.04	.00	.04
216.00	.00	0	-236.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.83	.00	.04	.00	.04
218.00	.00	0	-225.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.75	.00	.04	.00	.04
220.00	.00	0	-214.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.66	.00	.04	.00	.04
222.00	.00	0	-203.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.58	.00	.04	.00	.04
224.00	.00	0	-193.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.50	.00	.03	.00	.03
226.00	.00	0	-183.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.42	.00	.03	.00	.03
228.00	.00	0	-173.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.35	.00	.03	.00	.03
230.00	.00	0	-164.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.27	.00	.03	.00	.03
232.00	.00	0	-154.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.20	.00	.03	.00	.03
234.00	.00	0	-145.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.13	.00	.03	.00	.03
236.00	.00	0	-136.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.06	.00	.02	.00	.02
238.00	.00	0	-128.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.99	.00	.02	.00	.02
240.00	.00	0	-119.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.93	.00	.02	.00	.02
242.00	.00	0	-111.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.86	.00	.02	.00	.02
244.00	.00	0	-102.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.80	.00	.02	.00	.02
246.00	.00	0	-94.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.74	.00	.02	.00	.02
248.00	.00	0	-86.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.67	.00	.02	.00	.02
250.00	.00	0	-79.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.61	.00	.01	.00	.01
252.00	.00	0	-71.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.55	.00	.01	.00	.01
254.00	.00	0	-63.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.49	.00	.01	.00	.01
256.00	.00	0	-56.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.44	.00	.01	.00	.01
258.00	.00	0	-48.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.38	.00	.01	.00	.01
260.00	.00	0	-41.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.32	.00	.01	.00	.01
262.00	.00	0	-33.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.26	.00	.01	.00	.01
264.00	.00	0	-26.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.21	.00	.00	.00	.00
266.00	.00	0	-19.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.15	.00	.00	.00	.00
268.00	.00	0	-11.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.09	.00	.00	.00	.00

*** File Critical Load Case Report For Pile Joint 1S2 - Critical Load Case 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT (In)	Fy (KSI)			Axial	Bend.	Total
.00	26.53	132	-2640.2	0.	218.8	132	99657.	132	42.00	1.75	36.0	-11.93	46.61	.28	.86	1.14
2.00	26.03	132	-2640.6	0.	217.2	132	93096.	132	42.00	1.75	36.0	-11.93	43.54	.28	.81	1.08
4.00	25.49	132	-2640.9	0.	215.5	132	86461.	131	42.00	1.75	36.0	-11.93	40.44	.28	.75	1.03
6.00	24.92	132	-2641.2	0.	213.6	132	79769.	131	42.00	1.75	36.0	-11.94	37.31	.28	.69	.97
8.00	24.31	132	-2641.5	0.	211.5	132	73028.	131	42.00	1.75	36.0	-11.94	34.16	.28	.63	.91
10.00	23.66	132	-2641.8	0.	209.4	132	66251.	131	42.00	1.75	36.0	-11.94	30.99	.28	.57	.85
12.00	22.99	132	-2642.1	0.	207.0	132	59449.	131	42.00	1.75	36.0	-11.94	27.81	.28	.51	.79
14.00	22.29	132	-2642.4	0.	204.6	132	52633.	131	42.00	1.75	36.0	-11.94	24.62	.28	.46	.73
16.00	21.57	132	-2642.6	0.	202.0	132	45814.	131	42.00	1.75	36.0	-11.94	21.43	.28	.40	.67
18.00	20.82	132	-2642.9	0.	199.3	132	39003.	131	42.00	1.75	36.0	-11.94	18.24	.28	.34	.61
20.00	20.06	132	-2643.1	0.	196.4	132	32213.	131	42.00	1.75	36.0	-11.94	15.07	.28	.28	.56
22.00	19.29	132	-2643.3	0.	193.5	132	25452.	131	42.00	1.75	36.0	-11.95	11.91	.28	.22	.50
24.00	18.50	132	-2643.5	0.	190.4	132	18733.	131	42.00	1.75	36.0	-11.95	8.76	.28	.16	.44
26.00	17.71	132	-2643.7	0.	187.3	132	12065.	130	42.00	1.75	36.0	-11.95	5.64	.28	.10	.38
28.00	16.91	132	-2643.9	0.	184.0	132	5463.	128	42.00	1.75	36.0	-11.95	2.56	.28	.05	.32
30.00	16.11	132	-2644.1	0.	180.7	132	1129.	-31	42.00	1.75	36.0	-11.95	.53	.28	.01	.29
32.00	15.31	132	-2644.3	0.	177.2	132	7542.	-45	42.00	1.75	36.0	-11.95	3.53	.28	.07	.34
34.00	14.51	132	-2641.5	0.	167.6	132	13902.	-46	42.00	1.75	36.0	-11.94	6.50	.28	.12	.40
36.00	13.72	132	-2635.8	0.	152.1	132	20015.	-46	42.00	1.75	36.0	-11.91	9.36	.28	.17	.45
38.00	12.94	132	-2630.1	0.	136.9	132	25728.	-47	42.00	1.75	36.0	-11.89	12.03	.28	.22	.50
40.00	12.16	132	-2624.2	0.	122.1	131	31043.	-47	42.00	1.75	36.0	-11.86	14.52	.27	.27	.54
42.00	11.41	132	-2618.3	0.	107.5	131	35961.	-47	42.00	1.75	36.0	-11.83	16.82	.27	.31	.59
44.00	10.66	132	-2612.4	0.	93.3	131	40483.	-47	42.00	1.75	36.0	-11.81	18.94	.27	.35	.62
46.00	9.94	132	-2606.4	0.	79.4	131	44612.	-47	42.00	1.75	36.0	-11.78	20.87	.27	.39	.66
48.00	9.24	132	-2600.3	0.	65.8	131	48352.	-47	42.00	1.75	36.0	-11.75	22.62	.27	.42	.69
50.00	8.55	132	-2594.1	0.	52.6	131	51707.	-47	42.00	1.75	36.0	-11.72	24.19	.27	.45	.72
52.00	7.89	132	-2587.9	0.	39.7	131	54681.	-47	42.00	1.75	36.0	-11.69	25.58	.27	.47	.74
54.00	7.26	132	-2581.7	0.	27.2	131	57279.	-47	42.00	1.75	36.0	-11.67	26.79	.27	.50	.77
56.00	6.65	132	-2575.3	0.	15.0	130	59508.	-47	42.00	1.75	36.0	-11.64	27.83	.27	.52	.78
58.00	6.06	132	-2568.9	0.	3.3	122	61373.	-47	42.00	1.75	36.0	-11.61	28.71	.27	.53	.80
60.00	5.50	132	-2562.5	0.	8.2	-43	62882.	-47	42.00	1.75	36.0	-11.58	29.41	.27	.54	.81
62.00	4.98	132	-2555.9	0.	19.2	-46	64044.	-47	42.00	1.75	36.0	-11.55	29.96	.27	.55	.82
64.00	4.47	132	-2549.3	0.	29.8	-46	64865.	-47	42.00	1.75	36.0	-11.52	30.34	.27	.56	.83
66.00	4.00	132	-2542.7	0.	40.0	-46	65355.	-47	42.00	1.75	36.0	-11.49	30.57	.27	.57	.83
68.00	3.56	132	-2536.0	0.	49.8	-47	65522.	-47	42.00	1.75	36.0	-11.46	30.65	.27	.57	.83
70.00	3.14	132	-2529.2	0.	59.2	-47	65378.	-47	42.00	1.75	36.0	-11.43	30.58	.26	.57	.83
72.00	2.76	132	-2522.3	0.	68.1	-47	64933.	-47	42.00	1.75	36.0	-11.40	30.37	.26	.56	.83
74.00	2.40	132	-2515.4	0.	76.7	-47	64198.	-47	42.00	1.75	36.0	-11.37	30.03	.26	.56	.82
76.00	2.07	132	-2508.5	0.	85.0	-47	63183.	-47	42.00	1.75	36.0	-11.34	29.55	.26	.55	.81
78.00	1.77	132	-2501.4	0.	92.7	-47	61898.	-47	42.00	1.75	36.0	-11.30	28.95	.26	.54	.80
80.00	1.50	132	-2494.3	0.	100.0	-47	60356.	-47	42.00	1.75	36.0	-11.27	28.23	.26	.52	.78
82.00	1.25	132	-2487.2	0.	106.9	-47	58571.	-47	42.00	1.75	36.0	-11.24	27.40	.26	.51	.77
84.00	1.03	132	-2480.0	0.	113.5	-47	56553.	-47	42.00	1.75	36.0	-11.21	26.45	.26	.49	.75
86.00	.83	132	-2472.7	0.	119.5	-47	54315.	-47	42.00	1.75	36.0	-11.17	25.41	.26	.47	.73
88.00	.66	132	-2465.4	0.	125.1	-47	51872.	-47	42.00	1.75	36.0	-11.14	24.26	.26	.45	.71
90.00	.51	132	-2458.0	0.	130.3	-47	49237.	-47	42.00	1.75	36.0	-11.11	23.03	.26	.43	.68
92.00	.39	132	-2450.5	0.	134.9	-47	46423.	-47	42.00	1.75	36.0	-11.07	21.71	.26	.40	.66
94.00	.28	132	-2443.0	0.	139.1	-47	43447.	-47	42.00	1.75	36.0	-11.04	20.32	.26	.38	.63
96.00	.19	132	-2435.4	0.	142.2	-47	40321.	-47	42.00	1.75	36.0	-11.01	18.86	.25	.35	.60
98.00	.12	132	-2427.8	0.	144.1	-47	37078.	-47	42.00	1.75	36.0	-10.97	17.34	.25	.32	.58

*** Pile Critical Load Case Report For Pile Joint 152 - Critical Load Case B ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy			Stress	Stress	Axial	Bend.	Total
100.00	.07	132	-2420.1	0.	145.2	-47	33748.	-47	42.00	1.75	36.0	-10.94	15.79	.25	.29	.55
102.00	.03	131	-2363.7	0.	257.7	-47	30355.	-47	42.00	1.75	36.0	-10.68	14.20	.25	.26	.51
104.00	.01	131	-2308.5	0.	283.1	-47	24230.	-47	42.00	1.75	36.0	-10.43	11.33	.24	.21	.45
106.00	.01	-47	-2254.6	0.	257.0	-47	17467.	-47	42.00	1.75	36.0	-10.19	8.17	.24	.15	.39
108.00	.01	-47	-2201.8	0.	206.2	-47	11314.	-47	42.00	1.75	36.0	-9.95	5.29	.23	.10	.33
110.00	.02	-47	-2150.2	0.	149.0	-47	6369.	-47	42.00	1.75	36.0	-9.72	2.98	.22	.06	.28
112.00	.01	-47	-2099.6	0.	96.5	-47	2790.	-48	42.00	1.75	36.0	-9.49	1.31	.22	.02	.24
114.00	.01	-47	-2050.2	0.	54.2	-47	467.	-48	42.00	1.75	36.0	-9.26	.22	.21	.00	.22
116.00	.01	-47	-2001.8	0.	23.5	-48	898.	132	42.00	1.75	36.0	-9.05	.39	.21	.01	.22
118.00	.00	-47	-1954.5	0.	3.6	-48	1407.	132	42.00	1.75	36.0	-8.83	.66	.20	.01	.22
120.00	.00	-47	-1908.2	0.	7.6	132	1497.	132	42.00	1.75	36.0	-8.62	.70	.20	.01	.21
122.00	.00	-48	-1862.9	0.	12.4	132	1317.	132	42.00	1.75	36.0	-8.42	.62	.19	.01	.21
124.00	.00	-48	-1818.5	0.	13.0	132	1022.	132	42.00	1.75	36.0	-8.22	.48	.19	.01	.20
126.00	.00	132	-1775.1	0.	11.4	132	710.	132	42.00	1.75	36.0	-8.02	.33	.19	.01	.19
128.00	.00	132	-1732.6	0.	8.8	132	437.	132	42.00	1.75	36.0	-7.83	.20	.18	.00	.19
130.00	.00	132	-1691.0	0.	6.0	132	226.	131	42.00	1.75	36.0	-7.64	.11	.18	.00	.18
132.00	.00	132	-1650.2	0.	3.7	132	81.	131	42.00	1.75	36.0	-7.46	.04	.17	.00	.17
134.00	.00	132	-1610.4	0.	1.9	131	6.	-45	42.00	1.75	36.0	-7.28	.00	.17	.00	.17
136.00	.00	132	-1571.4	0.	.6	131	51.	-47	42.00	1.75	36.0	-7.10	.02	.16	.00	.16
138.00	.00	132	-1533.1	0.	.1	-47	66.	-47	42.00	1.75	36.0	-6.93	.03	.16	.00	.16
140.00	.00	0	-1495.7	0.	.5	-47	63.	-47	42.00	1.75	36.0	-6.76	.03	.16	.00	.16
142.00	.00	0	-1459.1	0.	.6	-47	51.	-47	42.00	1.75	36.0	-6.59	.02	.15	.00	.15
144.00	.00	0	-1423.2	0.	.6	-47	37.	-47	42.00	1.75	36.0	-6.43	.02	.15	.00	.15
146.00	.00	0	-1388.0	0.	.5	-47	23.	-47	42.00	1.75	36.0	-6.27	.01	.15	.00	.15
148.00	.00	0	-1353.6	0.	.3	-47	13.	-47	42.00	1.75	36.0	-6.12	.01	.14	.00	.14
150.00	.00	0	-1319.9	0.	.2	-47	5.	-48	42.00	1.75	36.0	-5.96	.00	.14	.00	.14
152.00	.00	0	-1285.6	0.	.1	-48	0.	-50	42.00	1.75	36.0	-5.81	.00	.13	.00	.13
154.00	.00	0	-1250.8	0.	.0	-48	2.	132	42.00	1.75	36.0	-5.65	.00	.13	.00	.13
156.00	.00	0	-1216.7	0.	.0	132	3.	132	42.00	1.75	36.0	-5.50	.00	.13	.00	.13
158.00	.00	0	-1183.2	0.	.0	132	2.	132	42.00	1.75	36.0	-5.35	.00	.12	.00	.12
160.00	.00	0	-1150.5	0.	.0	132	2.	132	42.00	1.75	36.0	-5.20	.00	.12	.00	.12
162.00	.00	0	-1118.3	0.	.0	132	1.	132	42.00	1.75	36.0	-5.05	.00	.12	.00	.12
164.00	.00	0	-1086.8	0.	.0	132	0.	132	42.00	1.75	36.0	-4.91	.00	.11	.00	.11
166.00	.00	0	-1055.9	0.	.0	132	0.	131	42.00	1.75	36.0	-4.77	.00	.11	.00	.11
168.00	.00	0	-1025.6	0.	.0	132	0.	131	42.00	1.75	36.0	-4.63	.00	.11	.00	.11
170.00	.00	0	-995.7	0.	.0	131	0.	-47	42.00	1.50	36.0	-5.22	.00	.12	.00	.12
172.00	.00	0	-966.4	0.	.0	90	0.	-47	42.00	1.50	36.0	-5.06	.00	.12	.00	.12
174.00	.00	0	-937.7	0.	.0	-47	0.	-47	42.00	1.50	36.0	-4.91	.00	.11	.00	.11
176.00	.00	0	-909.6	0.	.0	-47	0.	-47	42.00	1.50	36.0	-4.77	.00	.11	.00	.11
178.00	.00	0	-882.1	0.	.0	-47	0.	-47	42.00	1.50	36.0	-4.62	.00	.11	.00	.11
180.00	.00	0	-855.1	0.	.0	-47	0.	-47	42.00	1.25	36.0	-5.34	.00	.12	.00	.12
182.00	.00	0	-828.6	0.	.0	-47	0.	-48	42.00	1.25	36.0	-5.18	.00	.12	.00	.12
184.00	.00	0	-802.7	0.	.0	-47	0.	-48	42.00	1.25	36.0	-5.02	.00	.12	.00	.12
186.00	.00	0	-777.5	0.	.0	0	0.	132	42.00	1.25	36.0	-4.86	.00	.11	.00	.11
188.00	.00	0	-752.8	0.	.0	0	0.	132	42.00	1.25	36.0	-4.70	.00	.11	.00	.11
190.00	.00	0	-728.7	0.	.0	0	0.	132	42.00	1.00	36.0	-5.66	.00	.13	.00	.13
192.00	.00	0	-705.1	0.	.0	0	0.	132	42.00	1.00	36.0	-5.47	.00	.13	.00	.13
194.00	.00	0	-682.2	0.	.0	0	0.	132	42.00	1.00	36.0	-5.30	.00	.12	.00	.12
196.00	.00	0	-660.0	0.	.0	0	0.	132	42.00	1.00	36.0	-5.12	.00	.12	.00	.12
198.00	.00	0	-638.3	0.	.0	0	0.	131	42.00	1.00	36.0	-4.96	.00	.11	.00	.11

* * * Pile Critical Load Case Report For Pile Joint 152 - Critical Load Case 8 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
200.00	.00	0	-617.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.79	.00	.11	.00	.11
202.00	.00	0	-596.9	0.	.0	0	0.	-47	42.00	1.00	36.0	-4.63	.00	.11	.00	.11
204.00	.00	0	-577.1	0.	.0	0	0.	-47	42.00	1.00	36.0	-4.48	.00	.10	.00	.10
206.00	.00	0	-557.8	0.	.0	0	0.	-47	42.00	1.00	36.0	-4.33	.00	.10	.00	.10
208.00	.00	0	-539.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.18	.00	.10	.00	.10
210.00	.00	0	-520.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.04	.00	.09	.00	.09
212.00	.00	0	-503.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.91	.00	.09	.00	.09
214.00	.00	0	-481.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.74	.00	.09	.00	.09
216.00	.00	0	-461.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.58	.00	.08	.00	.08
218.00	.00	0	-440.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.42	.00	.08	.00	.08
220.00	.00	0	-420.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.27	.00	.08	.00	.08
222.00	.00	0	-401.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.12	.00	.07	.00	.07
224.00	.00	0	-382.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.97	.00	.07	.00	.07
226.00	.00	0	-363.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.82	.00	.07	.00	.07
228.00	.00	0	-345.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.68	.00	.06	.00	.06
230.00	.00	0	-326.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.54	.00	.06	.00	.06
232.00	.00	0	-309.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.40	.00	.06	.00	.06
234.00	.00	0	-291.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.26	.00	.05	.00	.05
236.00	.00	0	-274.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.13	.00	.05	.00	.05
238.00	.00	0	-257.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.00	.00	.05	.00	.05
240.00	.00	0	-240.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.87	.00	.04	.00	.04
242.00	.00	0	-224.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.74	.00	.04	.00	.04
244.00	.00	0	-208.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.62	.00	.04	.00	.04
246.00	.00	0	-192.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.49	.00	.03	.00	.03
248.00	.00	0	-176.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.37	.00	.03	.00	.03
250.00	.00	0	-160.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.25	.00	.03	.00	.03
252.00	.00	0	-144.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.12	.00	.03	.00	.03
254.00	.00	0	-129.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.00	.00	.02	.00	.02
256.00	.00	0	-114.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.89	.00	.02	.00	.02
258.00	.00	0	-98.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.77	.00	.02	.00	.02
260.00	.00	0	-83.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.65	.00	.02	.00	.02
262.00	.00	0	-68.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.53	.00	.01	.00	.01
264.00	.00	0	-53.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.42	.00	.01	.00	.01
266.00	.00	0	-39.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.30	.00	.01	.00	.01
268.00	.00	0	-24.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.19	.00	.00	.00	.00

*** Pile Critical Load Case Report For Pile Joint 162 - Critical Load Case 6 ***

Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Axial	Bend. Total
.00	32.66	140	-2569.3	0.	253.1	140	120280.	140	42.00	1.75	36.0	-11.61	56.26	.27	1.04	1.31
2.00	32.08	140	-2569.6	0.	251.4	140	112707.	140	42.00	1.75	36.0	-11.61	52.72	.27	.98	1.25
4.00	31.44	140	-2569.9	0.	249.6	140	105048.	140	42.00	1.75	36.0	-11.61	49.14	.27	.91	1.18
6.00	30.76	140	-2570.2	0.	247.5	140	97313.	140	42.00	1.75	36.0	-11.61	45.52	.27	.84	1.11
8.00	30.04	140	-2570.4	0.	245.3	140	89517.	140	42.00	1.75	36.0	-11.62	41.87	.27	.78	1.04
10.00	29.28	140	-2570.7	0.	243.0	140	81671.	140	42.00	1.75	36.0	-11.62	38.20	.27	.71	.98
12.00	28.48	140	-2570.9	0.	240.5	140	73788.	140	42.00	1.75	36.0	-11.62	34.51	.27	.64	.91
14.00	27.65	140	-2571.2	0.	237.9	140	65882.	140	42.00	1.75	36.0	-11.62	30.82	.27	.57	.84
16.00	26.79	140	-2571.4	0.	235.1	140	57964.	139	42.00	1.75	36.0	-11.62	27.11	.27	.50	.77
18.00	25.91	140	-2571.6	0.	232.2	140	50046.	139	42.00	1.75	36.0	-11.62	23.41	.27	.43	.70
20.00	25.00	140	-2571.8	0.	229.1	140	42142.	139	42.00	1.75	36.0	-11.62	19.71	.27	.37	.63
22.00	24.07	140	-2572.0	0.	225.9	140	34263.	139	42.00	1.75	36.0	-11.62	16.03	.27	.30	.57
24.00	23.13	140	-2572.2	0.	222.6	140	26421.	139	42.00	1.75	36.0	-11.62	12.36	.27	.23	.50
26.00	22.18	140	-2572.3	0.	219.2	140	18630.	138	42.00	1.75	36.0	-11.62	8.71	.27	.16	.43
28.00	21.22	140	-2572.5	0.	215.7	140	10903.	137	42.00	1.75	36.0	-11.63	5.10	.27	.09	.36
30.00	20.25	140	-2572.6	0.	212.1	140	3281.	129	42.00	1.75	36.0	-11.63	1.53	.27	.03	.30
32.00	19.28	140	-2572.7	0.	208.4	140	4396.	-31	42.00	1.75	36.0	-11.63	2.06	.27	.04	.31
34.00	18.32	140	-2569.9	0.	198.0	140	11855.	-36	42.00	1.75	36.0	-11.61	5.55	.27	.10	.37
36.00	17.36	140	-2564.0	0.	181.2	140	19068.	-37	42.00	1.75	36.0	-11.59	8.92	.27	.17	.43
38.00	16.41	140	-2558.1	0.	164.8	140	25856.	-38	42.00	1.75	36.0	-11.56	12.09	.27	.22	.49
40.00	15.47	140	-2552.1	0.	148.7	140	32215.	-38	42.00	1.75	36.0	-11.53	15.07	.27	.28	.55
42.00	14.54	140	-2546.0	0.	132.9	140	38146.	-38	42.00	1.75	36.0	-11.51	17.84	.27	.33	.60
44.00	13.63	140	-2539.9	0.	117.4	140	43649.	-38	42.00	1.75	36.0	-11.48	20.42	.27	.38	.64
46.00	12.74	140	-2533.7	0.	102.3	140	48728.	-38	42.00	1.75	36.0	-11.45	22.79	.27	.42	.69
48.00	11.87	140	-2527.5	0.	87.6	139	53383.	-38	42.00	1.75	36.0	-11.42	24.97	.26	.46	.73
50.00	11.03	140	-2521.2	0.	73.2	139	57620.	-38	42.00	1.75	36.0	-11.39	26.95	.26	.50	.76
52.00	10.21	140	-2514.8	0.	59.2	139	61442.	-38	42.00	1.75	36.0	-11.36	28.74	.26	.53	.80
54.00	9.42	140	-2508.4	0.	45.5	139	64854.	-38	42.00	1.75	36.0	-11.34	30.34	.26	.56	.82
56.00	8.65	140	-2501.9	0.	32.2	138	67861.	-39	42.00	1.75	36.0	-11.31	31.74	.26	.59	.85
58.00	7.92	140	-2495.3	0.	19.4	137	70470.	-39	42.00	1.75	36.0	-11.28	32.96	.26	.61	.87
60.00	7.22	140	-2488.7	0.	6.9	132	72687.	-39	42.00	1.75	36.0	-11.25	34.00	.26	.63	.89
62.00	6.54	140	-2482.0	0.	5.3	-28	74520.	-39	42.00	1.75	36.0	-11.22	34.86	.26	.65	.91
64.00	5.91	140	-2475.3	0.	16.9	-35	75976.	-39	42.00	1.75	36.0	-11.19	35.54	.26	.66	.92
66.00	5.30	140	-2468.5	0.	28.2	-37	77064.	-39	42.00	1.75	36.0	-11.16	36.05	.26	.67	.93
68.00	4.73	140	-2461.6	0.	39.0	-37	77795.	-39	42.00	1.75	36.0	-11.12	36.39	.26	.67	.93
70.00	4.20	140	-2454.7	0.	49.4	-38	78177.	-39	42.00	1.75	36.0	-11.09	36.57	.26	.68	.93
72.00	3.70	140	-2447.7	0.	59.4	-38	78221.	-39	42.00	1.75	36.0	-11.06	36.59	.26	.68	.93
74.00	3.23	140	-2440.6	0.	68.8	-38	77937.	-39	42.00	1.75	36.0	-11.03	36.45	.26	.68	.93
76.00	2.80	140	-2433.5	0.	77.8	-38	77340.	-39	42.00	1.75	36.0	-11.00	36.18	.25	.67	.92
78.00	2.40	140	-2426.4	0.	86.4	-38	76440.	-39	42.00	1.75	36.0	-10.96	35.75	.25	.66	.92
80.00	2.04	140	-2419.1	0.	94.6	-38	75249.	-39	42.00	1.75	36.0	-10.93	35.20	.25	.65	.90
82.00	1.71	140	-2411.8	0.	102.3	-38	73778.	-39	42.00	1.75	36.0	-10.90	34.51	.25	.64	.89
84.00	1.41	140	-2404.5	0.	109.4	-38	72043.	-39	42.00	1.75	36.0	-10.87	33.70	.25	.62	.88
86.00	1.14	140	-2397.1	0.	116.1	-38	70057.	-39	42.00	1.75	36.0	-10.83	32.77	.25	.61	.86
88.00	.91	140	-2389.6	0.	122.4	-38	67833.	-39	42.00	1.75	36.0	-10.80	31.73	.25	.59	.84
90.00	.70	140	-2382.1	0.	128.0	-38	65387.	-39	42.00	1.75	36.0	-10.76	30.58	.25	.57	.82
92.00	.53	140	-2374.5	0.	133.3	-38	62734.	-39	42.00	1.75	36.0	-10.73	29.34	.25	.54	.79
94.00	.38	140	-2366.9	0.	137.9	-39	59889.	-39	42.00	1.75	36.0	-10.70	28.01	.25	.52	.77
96.00	.26	140	-2359.2	0.	141.9	-39	56869.	-39	42.00	1.75	36.0	-10.66	26.60	.25	.49	.74
98.00	.16	140	-2351.5	0.	144.4	-39	53692.	-39	42.00	1.75	36.0	-10.63	25.11	.25	.47	.71

*** Pile Critical Load Case Report For Pile Joint 16Z - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WI	Fy			Axial	Bend.	Total
100.00	.09	140	-2320.1	0.	294.8	-39	50398.	-39	42.00	1.75	36.0	-10.48	23.57	.24	.44	.68
102.00	.03	140	-2266.1	0.	417.4	-39	43441.	-39	42.00	1.75	36.0	-10.24	20.32	.24	.38	.61
104.00	.00	138	-2213.3	0.	425.4	-39	33495.	-39	42.00	1.75	36.0	-10.00	15.67	.23	.29	.52
106.00	.02	-39	-2161.7	0.	369.0	-39	23325.	-39	42.00	1.75	36.0	-9.77	10.91	.23	.20	.43
108.00	.02	-39	-2111.2	0.	285.5	-39	14483.	-39	42.00	1.75	36.0	-9.54	6.77	.22	.13	.35
110.00	.02	-39	-2061.8	0.	199.0	-39	7633.	-39	42.00	1.75	36.0	-9.32	3.57	.22	.07	.28
112.00	.02	-39	-2013.4	0.	123.3	-39	2851.	-39	42.00	1.75	36.0	-9.10	1.33	.21	.02	.24
114.00	.01	-39	-1966.1	0.	64.6	-39	118.	144	42.00	1.75	36.0	-8.88	.06	.21	.00	.21
116.00	.01	-39	-1919.8	0.	23.6	-39	1677.	140	42.00	1.75	36.0	-8.68	.78	.20	.01	.22
118.00	.01	-39	-1874.5	0.	1.8	142	2251.	140	42.00	1.75	36.0	-8.47	1.05	.20	.02	.22
120.00	.00	-39	-1830.2	0.	15.0	140	2213.	140	42.00	1.75	36.0	-8.27	1.04	.19	.02	.21
122.00	.00	-39	-1786.8	0.	19.8	140	1856.	140	42.00	1.75	36.0	-8.07	.87	.19	.02	.20
124.00	.00	0	-1744.4	0.	19.3	140	1384.	140	42.00	1.75	36.0	-7.88	.65	.18	.01	.19
126.00	.00	140	-1702.9	0.	16.0	140	922.	140	42.00	1.75	36.0	-7.70	.43	.18	.01	.19
128.00	.00	140	-1662.2	0.	11.8	140	538.	140	42.00	1.75	36.0	-7.51	.25	.17	.00	.18
130.00	.00	140	-1622.4	0.	7.8	140	253.	140	42.00	1.75	36.0	-7.33	.12	.17	.00	.17
132.00	.00	140	-1583.5	0.	4.5	140	66.	140	42.00	1.75	36.0	-7.16	.03	.17	.00	.17
134.00	.00	140	-1545.4	0.	2.0	140	41.	-39	42.00	1.75	36.0	-6.98	.02	.16	.00	.16
136.00	.00	140	-1508.0	0.	.4	140	90.	-39	42.00	1.75	36.0	-6.81	.04	.16	.00	.16
138.00	.00	140	-1471.5	0.	.5	-39	101.	-39	42.00	1.75	36.0	-6.65	.05	.15	.00	.15
140.00	.00	0	-1435.7	0.	.8	-39	90.	-39	42.00	1.75	36.0	-6.49	.04	.15	.00	.15
142.00	.00	0	-1400.7	0.	.9	-39	70.	-39	42.00	1.75	36.0	-6.33	.03	.15	.00	.15
144.00	.00	0	-1366.4	0.	.8	-39	48.	-39	42.00	1.75	36.0	-6.17	.02	.14	.00	.14
146.00	.00	0	-1332.8	0.	.6	-39	29.	-39	42.00	1.75	36.0	-6.02	.01	.14	.00	.14
148.00	.00	0	-1299.9	0.	.4	-39	14.	-39	42.00	1.75	36.0	-5.87	.01	.14	.00	.14
150.00	.00	0	-1266.4	0.	.3	-39	4.	-39	42.00	1.75	36.0	-5.72	.00	.13	.00	.13
152.00	.00	0	-1232.5	0.	.1	-39	1.	140	42.00	1.75	36.0	-5.57	.00	.13	.00	.13
154.00	.00	0	-1199.2	0.	.0	-40	4.	140	42.00	1.75	36.0	-5.42	.00	.13	.00	.13
156.00	.00	0	-1166.6	0.	.0	140	4.	140	42.00	1.75	36.0	-5.27	.00	.12	.00	.12
158.00	.00	0	-1134.7	0.	.0	140	4.	140	42.00	1.75	36.0	-5.13	.00	.12	.00	.12
160.00	.00	0	-1103.3	0.	.0	140	2.	140	42.00	1.75	36.0	-4.99	.00	.12	.00	.12
162.00	.00	0	-1072.6	0.	.0	140	1.	140	42.00	1.75	36.0	-4.85	.00	.11	.00	.11
164.00	.00	0	-1042.5	0.	.0	140	0.	140	42.00	1.75	36.0	-4.71	.00	.11	.00	.11
166.00	.00	0	-1013.0	0.	.0	140	0.	140	42.00	1.75	36.0	-4.58	.00	.11	.00	.11
168.00	.00	0	-984.0	0.	.0	140	0.	138	42.00	1.75	36.0	-4.45	.00	.10	.00	.10
170.00	.00	0	-955.5	0.	.0	140	0.	-39	42.00	1.50	36.0	-5.01	.00	.12	.00	.12
172.00	.00	0	-927.5	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.86	.00	.11	.00	.11
174.00	.00	0	-900.1	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.72	.00	.11	.00	.11
176.00	.00	0	-873.3	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.58	.00	.11	.00	.11
178.00	.00	0	-847.0	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.44	.00	.10	.00	.10
180.00	.00	0	-821.2	0.	.0	-39	0.	-39	42.00	1.25	36.0	-5.13	.00	.12	.00	.12
182.00	.00	0	-795.9	0.	.0	-39	0.	-39	42.00	1.25	36.0	-4.97	.00	.12	.00	.12
184.00	.00	0	-771.2	0.	.0	-39	0.	-51	42.00	1.25	36.0	-4.82	.00	.11	.00	.11
186.00	.00	0	-747.1	0.	.0	0	0.	140	42.00	1.25	36.0	-4.67	.00	.11	.00	.11
188.00	.00	0	-723.6	0.	.0	0	0.	140	42.00	1.25	36.0	-4.52	.00	.10	.00	.10
190.00	.00	0	-700.5	0.	.0	0	0.	140	42.00	1.00	36.0	-5.44	.00	.13	.00	.13
192.00	.00	0	-678.0	0.	.0	0	0.	140	42.00	1.00	36.0	-5.26	.00	.12	.00	.12
194.00	.00	0	-656.1	0.	.0	0	0.	140	42.00	1.00	36.0	-5.09	.00	.12	.00	.12
196.00	.00	0	-634.9	0.	.0	0	0.	140	42.00	1.00	36.0	-4.93	.00	.11	.00	.11
198.00	.00	0	-614.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.77	.00	.11	.00	.11

*** Pile Critical Load Case Report For Pile Joint 162 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
200.00	.00	0	-594.2	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.61	.00	.11	.00	.11
202.00	.00	0	-574.8	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.46	.00	.10	.00	.10
204.00	.00	0	-555.8	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.32	.00	.10	.00	.10
206.00	.00	0	-537.4	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.17	.00	.10	.00	.10
208.00	.00	0	-519.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.03	.00	.09	.00	.09
210.00	.00	0	-502.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.90	.00	.09	.00	.09
212.00	.00	0	-483.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.75	.00	.09	.00	.09
214.00	.00	0	-462.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.59	.00	.08	.00	.08
216.00	.00	0	-442.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.44	.00	.08	.00	.08
218.00	.00	0	-423.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.29	.00	.08	.00	.08
220.00	.00	0	-404.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.14	.00	.07	.00	.07
222.00	.00	0	-385.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.99	.00	.07	.00	.07
224.00	.00	0	-367.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.85	.00	.07	.00	.07
226.00	.00	0	-349.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.71	.00	.06	.00	.06
228.00	.00	0	-331.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.57	.00	.06	.00	.06
230.00	.00	0	-314.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.44	.00	.06	.00	.06
232.00	.00	0	-296.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.31	.00	.05	.00	.05
234.00	.00	0	-280.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.17	.00	.05	.00	.05
236.00	.00	0	-263.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.05	.00	.05	.00	.05
238.00	.00	0	-247.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.92	.00	.04	.00	.04
240.00	.00	0	-231.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.80	.00	.04	.00	.04
242.00	.00	0	-215.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.67	.00	.04	.00	.04
244.00	.00	0	-199.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.55	.00	.04	.00	.04
246.00	.00	0	-184.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.43	.00	.03	.00	.03
248.00	.00	0	-169.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.31	.00	.03	.00	.03
250.00	.00	0	-154.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.20	.00	.03	.00	.03
252.00	.00	0	-139.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.08	.00	.02	.00	.02
254.00	.00	0	-124.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.96	.00	.02	.00	.02
256.00	.00	0	-109.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.85	.00	.02	.00	.02
258.00	.00	0	-94.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.74	.00	.02	.00	.02
260.00	.00	0	-80.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.62	.00	.01	.00	.01
262.00	.00	0	-66.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.51	.00	.01	.00	.01
264.00	.00	0	-51.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.40	.00	.01	.00	.01
266.00	.00	0	-37.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.29	.00	.01	.00	.01
268.00	.00	0	-23.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.18	.00	.00	.00	.00

* * * File Critical Load Case Report For Pile Joint 172 - Critical Load Case 6 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
.00	33.36	139	-2326.3	0.	263.1	139	121393.	140	42.00	1.75	36.0	-10.51	56.78	.24	1.05	1.29
2.00	32.76	139	-2326.5	0.	261.4	139	113691.	140	42.00	1.75	36.0	-10.51	53.18	.24	.98	1.23
4.00	32.12	139	-2326.7	0.	259.5	139	105912.	140	42.00	1.75	36.0	-10.51	49.54	.24	.92	1.16
6.00	31.42	139	-2326.9	0.	257.5	139	98070.	140	42.00	1.75	36.0	-10.52	45.87	.24	.85	1.09
8.00	30.68	139	-2327.0	0.	255.3	139	90175.	140	42.00	1.75	36.0	-10.52	42.18	.24	.78	1.02
10.00	29.91	139	-2327.2	0.	252.9	139	82241.	140	42.00	1.75	36.0	-10.52	38.47	.24	.71	.96
12.00	29.09	139	-2327.3	0.	250.4	139	74278.	140	42.00	1.75	36.0	-10.52	34.74	.24	.64	.89
14.00	28.25	139	-2327.4	0.	247.7	139	66299.	140	42.00	1.75	36.0	-10.52	31.01	.24	.57	.82
16.00	27.37	139	-2327.6	0.	244.9	140	58316.	140	42.00	1.75	36.0	-10.52	27.28	.24	.51	.75
18.00	26.47	139	-2327.7	0.	242.0	140	50340.	140	42.00	1.75	36.0	-10.52	23.55	.24	.44	.68
20.00	25.55	139	-2327.8	0.	238.9	140	42383.	140	42.00	1.75	36.0	-10.52	19.82	.24	.37	.61
22.00	24.60	139	-2327.9	0.	235.7	140	34455.	140	42.00	1.75	36.0	-10.52	16.12	.24	.30	.54
24.00	23.65	139	-2327.9	0.	232.4	140	26569.	140	42.00	1.75	36.0	-10.52	12.43	.24	.23	.47
26.00	22.68	139	-2328.0	0.	229.0	140	18735.	140	42.00	1.75	36.0	-10.52	8.76	.24	.16	.41
28.00	21.70	139	-2328.0	0.	225.4	140	10965.	141	42.00	1.75	36.0	-10.52	5.13	.24	.09	.34
30.00	20.72	139	-2328.1	0.	221.8	140	3275.	144	42.00	1.75	36.0	-10.52	1.53	.24	.03	.27
32.00	19.73	139	-2328.1	0.	218.1	140	4356.	-43	42.00	1.75	36.0	-10.52	2.04	.24	.04	.28
34.00	18.75	139	-2325.0	0.	207.6	140	11871.	-41	42.00	1.75	36.0	-10.51	5.55	.24	.10	.35
36.00	17.77	139	-2318.6	0.	190.7	140	19123.	-40	42.00	1.75	36.0	-10.48	8.94	.24	.17	.41
38.00	16.81	139	-2312.2	0.	174.1	140	25943.	-40	42.00	1.75	36.0	-10.45	12.13	.24	.22	.47
40.00	15.85	139	-2305.7	0.	157.8	140	32334.	-40	42.00	1.75	36.0	-10.42	15.12	.24	.28	.52
42.00	14.91	139	-2299.2	0.	141.9	140	38296.	-40	42.00	1.75	36.0	-10.39	17.91	.24	.33	.57
44.00	13.98	139	-2292.6	0.	126.3	140	43830.	-40	42.00	1.75	36.0	-10.36	20.50	.24	.38	.62
46.00	13.07	139	-2286.0	0.	111.1	140	48940.	-40	42.00	1.75	36.0	-10.33	22.89	.24	.42	.66
48.00	12.19	139	-2279.3	0.	96.2	140	53629.	-40	42.00	1.75	36.0	-10.30	25.08	.24	.46	.70
50.00	11.33	139	-2272.5	0.	81.7	140	57901.	-40	42.00	1.75	36.0	-10.27	27.08	.24	.50	.74
52.00	10.49	139	-2265.7	0.	67.5	140	61760.	-40	42.00	1.75	36.0	-10.24	28.89	.24	.53	.77
54.00	9.68	139	-2258.8	0.	53.7	140	65212.	-40	42.00	1.75	36.0	-10.21	30.50	.24	.56	.80
56.00	8.91	139	-2251.9	0.	40.3	140	68262.	-40	42.00	1.75	36.0	-10.18	31.93	.24	.59	.83
58.00	8.16	139	-2244.9	0.	27.3	140	70917.	-40	42.00	1.75	36.0	-10.14	33.17	.23	.61	.85
60.00	7.44	139	-2237.9	0.	14.7	141	73185.	-40	42.00	1.75	36.0	-10.11	34.23	.23	.63	.87
62.00	6.75	139	-2230.8	0.	2.5	149	75072.	-40	42.00	1.75	36.0	-10.08	35.11	.23	.65	.88
64.00	6.10	139	-2223.7	0.	9.3	-42	76587.	-40	42.00	1.75	36.0	-10.05	35.82	.23	.66	.90
66.00	5.48	139	-2216.5	0.	20.7	-41	77739.	-40	42.00	1.75	36.0	-10.02	36.36	.23	.67	.91
68.00	4.90	139	-2209.2	0.	31.6	-40	78537.	-40	42.00	1.75	36.0	-9.98	36.74	.23	.68	.91
70.00	4.35	139	-2201.9	0.	42.2	-40	78992.	-40	42.00	1.75	36.0	-9.95	36.95	.23	.68	.91
72.00	3.83	139	-2194.5	0.	52.2	-40	79113.	-40	42.00	1.75	36.0	-9.92	37.00	.23	.69	.91
74.00	3.35	139	-2187.1	0.	61.8	-40	78911.	-40	42.00	1.75	36.0	-9.88	36.91	.23	.68	.91
76.00	2.91	139	-2179.6	0.	70.9	-40	78400.	-40	42.00	1.75	36.0	-9.85	36.67	.23	.68	.91
78.00	2.50	139	-2172.1	0.	79.6	-40	77591.	-40	42.00	1.75	36.0	-9.82	36.29	.23	.67	.90
80.00	2.12	139	-2164.5	0.	87.9	-40	76496.	-40	42.00	1.75	36.0	-9.78	35.78	.23	.66	.89
82.00	1.78	139	-2156.9	0.	95.7	-40	75125.	-40	42.00	1.75	36.0	-9.75	35.14	.23	.65	.88
84.00	1.47	139	-2149.2	0.	103.0	-40	73493.	-40	42.00	1.75	36.0	-9.71	34.38	.22	.64	.86
86.00	1.20	139	-2141.5	0.	109.8	-40	71615.	-40	42.00	1.75	36.0	-9.68	33.50	.22	.62	.84
88.00	.95	139	-2133.8	0.	116.1	-40	69503.	-40	42.00	1.75	36.0	-9.64	32.51	.22	.60	.83
90.00	.74	139	-2126.2	0.	121.9	-40	67172.	-40	42.00	1.75	36.0	-9.61	31.42	.22	.58	.80
92.00	.55	139	-2118.8	0.	127.2	-40	64638.	-40	42.00	1.75	36.0	-9.57	30.23	.22	.56	.78
94.00	.40	139	-2111.4	0.	131.9	-40	61914.	-40	42.00	1.75	36.0	-9.54	28.96	.22	.54	.76
96.00	.27	139	-2104.1	0.	136.1	-40	59019.	-40	42.00	1.75	36.0	-9.51	27.61	.22	.51	.73
98.00	.17	140	-2096.9	0.	138.8	-40	55967.	-40	42.00	1.75	36.0	-9.48	26.18	.22	.48	.70

*** Pile Critical Load Case Report For Pile Joint 172 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Stress	Stress	Axial	Bend.	Total
100.00	.09	140	-2068.7	0.	300.0	-40	52799.	-40	42.00	1.75	36.0	-9.35	24.70	.22	.46	.67
102.00	.04	140	-2020.7	0.	433.7	-40	45711.	-40	42.00	1.75	36.0	-9.13	21.38	.21	.40	.61
104.00	.00	140	-1973.8	0.	445.3	-40	35373.	-40	42.00	1.75	36.0	-8.92	16.55	.21	.31	.51
106.00	.02	-40	-1927.8	0.	388.2	-40	24722.	-40	42.00	1.75	36.0	-8.71	11.56	.20	.21	.42
108.00	.02	-40	-1882.9	0.	301.4	-40	15421.	-39	42.00	1.75	36.0	-8.51	7.21	.20	.13	.33
110.00	.02	-40	-1838.9	0.	210.9	-40	8188.	-39	42.00	1.75	36.0	-8.31	3.83	.19	.07	.26
112.00	.02	-40	-1795.9	0.	131.4	-39	3120.	-39	42.00	1.75	36.0	-8.12	1.46	.19	.03	.21
114.00	.02	-40	-1753.8	0.	69.3	-39	40.	135	42.00	1.75	36.0	-7.93	.02	.18	.00	.18
116.00	.01	-40	-1712.7	0.	25.9	-39	1713.	139	42.00	1.75	36.0	-7.74	.80	.18	.01	.19
118.00	.01	-39	-1672.4	0.	1.2	138	2341.	139	42.00	1.75	36.0	-7.56	1.10	.17	.02	.20
120.00	.00	-39	-1633.0	0.	15.4	139	2319.	139	42.00	1.75	36.0	-7.38	1.08	.17	.02	.19
122.00	.00	-39	-1594.4	0.	20.6	139	1953.	139	42.00	1.75	36.0	-7.21	.91	.17	.02	.18
124.00	.00	0	-1556.7	0.	20.2	139	1462.	139	42.00	1.75	36.0	-7.03	.68	.16	.01	.18
126.00	.00	139	-1519.7	0.	16.9	139	978.	139	42.00	1.75	36.0	-6.87	.46	.16	.01	.17
128.00	.00	139	-1483.6	0.	12.5	139	574.	140	42.00	1.75	36.0	-6.70	.27	.16	.00	.16
130.00	.00	139	-1448.2	0.	8.3	139	273.	140	42.00	1.75	36.0	-6.54	.13	.15	.00	.15
132.00	.00	139	-1413.6	0.	4.8	140	74.	140	42.00	1.75	36.0	-6.39	.03	.15	.00	.15
134.00	.00	139	-1379.7	0.	2.2	140	40.	-40	42.00	1.75	36.0	-6.23	.02	.14	.00	.14
136.00	.00	139	-1346.5	0.	.5	140	93.	-40	42.00	1.75	36.0	-6.09	.04	.14	.00	.14
138.00	.00	140	-1314.1	0.	.5	-40	105.	-40	42.00	1.75	36.0	-5.94	.05	.14	.00	.14
140.00	.00	0	-1282.3	0.	.9	-40	95.	-40	42.00	1.75	36.0	-5.79	.04	.13	.00	.13
142.00	.00	0	-1251.2	0.	1.0	-40	74.	-40	42.00	1.75	36.0	-5.65	.03	.13	.00	.13
144.00	.00	0	-1220.7	0.	.8	-40	51.	-40	42.00	1.75	36.0	-5.52	.02	.13	.00	.13
146.00	.00	0	-1190.8	0.	.7	-40	31.	-39	42.00	1.75	36.0	-5.38	.01	.12	.00	.12
148.00	.00	0	-1161.6	0.	.5	-40	15.	-39	42.00	1.75	36.0	-5.25	.01	.12	.00	.12
150.00	.00	0	-1131.9	0.	.3	-39	4.	-39	42.00	1.75	36.0	-5.12	.00	.12	.00	.12
152.00	.00	0	-1101.8	0.	.1	-39	1.	139	42.00	1.75	36.0	-4.98	.00	.12	.00	.12
154.00	.00	0	-1072.2	0.	.0	-39	4.	139	42.00	1.75	36.0	-4.85	.00	.11	.00	.11
156.00	.00	0	-1043.3	0.	.0	139	5.	139	42.00	1.75	36.0	-4.71	.00	.11	.00	.11
158.00	.00	0	-1014.9	0.	.0	139	4.	139	42.00	1.75	36.0	-4.59	.00	.11	.00	.11
160.00	.00	0	-987.1	0.	.0	139	3.	139	42.00	1.75	36.0	-4.46	.00	.10	.00	.10
162.00	.00	0	-959.8	0.	.0	139	1.	139	42.00	1.75	36.0	-4.34	.00	.10	.00	.10
164.00	.00	0	-933.1	0.	.0	139	1.	140	42.00	1.75	36.0	-4.22	.00	.10	.00	.10
166.00	.00	0	-906.9	0.	.0	139	0.	140	42.00	1.75	36.0	-4.10	.00	.09	.00	.09
168.00	.00	0	-881.2	0.	.0	140	0.	140	42.00	1.75	36.0	-3.98	.00	.09	.00	.09
170.00	.00	0	-855.9	0.	.0	140	0.	-40	42.00	1.50	36.0	-4.48	.00	.10	.00	.10
172.00	.00	0	-831.0	0.	.0	-40	0.	-40	42.00	1.50	36.0	-4.35	.00	.10	.00	.10
174.00	.00	0	-806.7	0.	.0	-40	0.	-40	42.00	1.50	36.0	-4.23	.00	.10	.00	.10
176.00	.00	0	-782.9	0.	.0	-40	0.	-40	42.00	1.50	36.0	-4.10	.00	.09	.00	.09
178.00	.00	0	-759.6	0.	.0	-40	0.	-40	42.00	1.50	36.0	-3.98	.00	.09	.00	.09
180.00	.00	0	-736.7	0.	.0	-40	0.	-39	42.00	1.25	36.0	-4.60	.00	.11	.00	.11
182.00	.00	0	-714.2	0.	.0	-40	0.	-39	42.00	1.25	36.0	-4.46	.00	.10	.00	.10
184.00	.00	0	-692.3	0.	.0	-39	0.	-38	42.00	1.25	36.0	-4.33	.00	.10	.00	.10
186.00	.00	0	-670.9	0.	.0	0	0.	139	42.00	1.25	36.0	-4.19	.00	.10	.00	.10
188.00	.00	0	-650.1	0.	.0	0	0.	139	42.00	1.25	36.0	-4.06	.00	.09	.00	.09
190.00	.00	0	-629.6	0.	.0	0	0.	139	42.00	1.00	36.0	-4.89	.00	.11	.00	.11
192.00	.00	0	-609.6	0.	.0	0	0.	139	42.00	1.00	36.0	-4.73	.00	.11	.00	.11
194.00	.00	0	-590.3	0.	.0	0	0.	139	42.00	1.00	36.0	-4.58	.00	.11	.00	.11
196.00	.00	0	-571.4	0.	.0	0	0.	140	42.00	1.00	36.0	-4.44	.00	.10	.00	.10
198.00	.00	0	-553.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.29	.00	.10	.00	.10

*** Pile Critical Load Case Report For Pile Joint 172 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
200.00	.00	0	-535.4	0.	.0	0	0.	-40	42.00	1.00	36.0	-4.16	.00	.10	.00	.10
202.00	.00	0	-518.2	0.	.0	0	0.	-40	42.00	1.00	36.0	-4.02	.00	.09	.00	.09
204.00	.00	0	-501.4	0.	.0	0	0.	-40	42.00	1.00	36.0	-3.89	.00	.09	.00	.09
206.00	.00	0	-485.2	0.	.0	0	0.	-40	42.00	1.00	36.0	-3.77	.00	.09	.00	.09
208.00	.00	0	-469.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.64	.00	.08	.00	.08
210.00	.00	0	-454.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.52	.00	.08	.00	.08
212.00	.00	0	-437.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.39	.00	.08	.00	.08
214.00	.00	0	-418.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.25	.00	.08	.00	.08
216.00	.00	0	-400.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.11	.00	.07	.00	.07
218.00	.00	0	-382.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.97	.00	.07	.00	.07
220.00	.00	0	-365.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.84	.00	.07	.00	.07
222.00	.00	0	-348.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.71	.00	.06	.00	.06
224.00	.00	0	-331.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.58	.00	.06	.00	.06
226.00	.00	0	-315.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.45	.00	.06	.00	.06
228.00	.00	0	-299.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.33	.00	.05	.00	.05
230.00	.00	0	-283.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.20	.00	.05	.00	.05
232.00	.00	0	-268.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.08	.00	.05	.00	.05
234.00	.00	0	-253.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.97	.00	.05	.00	.05
236.00	.00	0	-238.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.85	.00	.04	.00	.04
238.00	.00	0	-223.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.73	.00	.04	.00	.04
240.00	.00	0	-208.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.62	.00	.04	.00	.04
242.00	.00	0	-194.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.51	.00	.03	.00	.03
244.00	.00	0	-180.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.40	.00	.03	.00	.03
246.00	.00	0	-166.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.29	.00	.03	.00	.03
248.00	.00	0	-152.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.18	.00	.03	.00	.03
250.00	.00	0	-138.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.08	.00	.02	.00	.02
252.00	.00	0	-125.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.97	.00	.02	.00	.02
254.00	.00	0	-111.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.87	.00	.02	.00	.02
256.00	.00	0	-98.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.77	.00	.02	.00	.02
258.00	.00	0	-85.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.66	.00	.02	.00	.02
260.00	.00	0	-72.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.56	.00	.01	.00	.01
262.00	.00	0	-59.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.46	.00	.01	.00	.01
264.00	.00	0	-46.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.36	.00	.01	.00	.01
266.00	.00	0	-33.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.26	.00	.01	.00	.01
268.00	.00	0	-20.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.16	.00	.00	.00	.00

*** Pile Critical Load Case Report For Pile Joint 182 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Axial	Bend. Total
.00	33.93	93	-4212.1	0.	205.7	92	126391.	92	42.00	1.75	36.0	-19.03	59.12	.44	1.09	1.54
2.00	33.32	93	-4213.2	0.	203.9	92	118906.	92	42.00	1.75	36.0	-19.04	55.62	.44	1.03	1.47
4.00	32.67	93	-4214.2	0.	202.1	92	111240.	92	42.00	1.75	36.0	-19.04	52.03	.44	.96	1.40
6.00	31.96	93	-4215.3	0.	200.0	92	103411.	92	42.00	1.75	36.0	-19.05	48.37	.44	.90	1.34
8.00	31.21	93	-4216.3	0.	197.8	92	95439.	92	42.00	1.75	36.0	-19.05	44.64	.44	.83	1.27
10.00	30.41	93	-4217.3	0.	195.4	92	87340.	92	42.00	1.75	36.0	-19.06	40.85	.44	.76	1.20
12.00	29.58	93	-4218.3	0.	192.9	92	79136.	92	42.00	1.75	36.0	-19.06	37.02	.44	.69	1.13
14.00	28.71	93	-4219.3	0.	190.2	92	70843.	92	42.00	1.75	36.0	-19.07	33.14	.44	.61	1.06
16.00	27.81	93	-4220.2	0.	187.4	92	62482.	91	42.00	1.75	36.0	-19.07	29.23	.44	.54	.98
18.00	26.88	92	-4221.2	0.	184.4	92	54072.	91	42.00	1.75	36.0	-19.08	25.29	.44	.47	.91
20.00	25.93	92	-4222.1	0.	181.3	92	45630.	91	42.00	1.75	36.0	-19.08	21.34	.44	.40	.84
22.00	24.96	92	-4223.0	0.	178.1	92	37178.	91	42.00	1.75	36.0	-19.08	17.39	.44	.32	.76
24.00	23.97	92	-4223.8	0.	174.8	92	28733.	91	42.00	1.75	36.0	-19.09	13.44	.44	.25	.69
26.00	22.97	92	-4224.7	0.	171.4	92	20316.	90	42.00	1.75	36.0	-19.09	9.50	.44	.18	.62
28.00	21.96	92	-4225.5	0.	167.8	92	11950.	88	42.00	1.75	36.0	-19.10	5.59	.44	.10	.55
30.00	20.94	92	-4226.3	0.	164.2	92	3705.	79	42.00	1.75	36.0	-19.10	1.73	.44	.03	.47
32.00	19.93	92	-4227.1	0.	160.4	92	4712.	-76	42.00	1.75	36.0	-19.10	2.20	.44	.04	.48
34.00	18.91	92	-4226.3	0.	149.9	92	12800.	-83	42.00	1.75	36.0	-19.10	5.99	.44	.11	.55
36.00	17.90	92	-4223.8	0.	132.9	92	20650.	-84	42.00	1.75	36.0	-19.09	9.66	.44	.18	.62
38.00	16.90	92	-4221.3	0.	116.3	92	28059.	-85	42.00	1.75	36.0	-19.08	13.12	.44	.24	.68
40.00	15.92	92	-4218.6	0.	100.1	91	35017.	-85	42.00	1.75	36.0	-19.06	16.38	.44	.30	.74
42.00	14.94	92	-4215.8	0.	84.1	91	41517.	-86	42.00	1.75	36.0	-19.05	19.42	.44	.36	.80
44.00	13.99	92	-4212.9	0.	68.6	91	47556.	-86	42.00	1.75	36.0	-19.04	22.24	.44	.41	.85
46.00	13.06	92	-4210.0	0.	53.3	91	53129.	-86	42.00	1.75	36.0	-19.02	24.85	.44	.46	.90
48.00	12.15	92	-4206.9	0.	38.5	90	58236.	-86	42.00	1.75	36.0	-19.01	27.24	.44	.50	.94
50.00	11.26	92	-4203.7	0.	24.0	88	62875.	-86	42.00	1.75	36.0	-19.00	29.41	.44	.54	.98
52.00	10.41	92	-4200.4	0.	9.9	83	67046.	-86	42.00	1.75	36.0	-18.98	31.36	.44	.58	1.02
54.00	9.58	92	-4197.0	0.	4.2	-64	70751.	-86	42.00	1.75	36.0	-18.97	33.09	.44	.61	1.05
56.00	8.79	92	-4193.5	0.	17.3	-81	73993.	-86	42.00	1.75	36.0	-18.95	34.61	.44	.64	1.08
58.00	8.03	92	-4189.9	0.	30.3	-84	76775.	-86	42.00	1.75	36.0	-18.93	35.91	.44	.67	1.10
60.00	7.30	92	-4186.2	0.	42.8	-85	79101.	-86	42.00	1.75	36.0	-18.92	37.00	.44	.69	1.12
62.00	6.60	92	-4182.3	0.	54.9	-85	80977.	-86	42.00	1.75	36.0	-18.90	37.88	.44	.70	1.14
64.00	5.95	92	-4178.4	0.	66.6	-85	82410.	-86	42.00	1.75	36.0	-18.88	38.55	.44	.71	1.15
66.00	5.32	92	-4174.4	0.	77.8	-86	83407.	-86	42.00	1.75	36.0	-18.86	39.01	.44	.72	1.16
68.00	4.74	92	-4170.3	0.	88.7	-86	83978.	-86	42.00	1.75	36.0	-18.85	39.28	.44	.73	1.16
70.00	4.19	92	-4166.1	0.	99.1	-86	84132.	-86	42.00	1.75	36.0	-18.83	39.35	.44	.73	1.16
72.00	3.68	92	-4161.7	0.	109.0	-86	83878.	-86	42.00	1.75	36.0	-18.81	39.23	.44	.73	1.16
74.00	3.21	92	-4157.3	0.	118.4	-86	83229.	-87	42.00	1.75	36.0	-18.79	38.93	.43	.72	1.16
76.00	2.77	92	-4152.8	0.	127.4	-86	82200.	-87	42.00	1.75	36.0	-18.77	38.45	.43	.71	1.15
78.00	2.37	92	-4148.1	0.	136.0	-86	80802.	-87	42.00	1.75	36.0	-18.75	37.79	.43	.70	1.13
80.00	2.01	92	-4143.4	0.	144.1	-86	79048.	-87	42.00	1.75	36.0	-18.72	36.97	.43	.68	1.12
82.00	1.68	92	-4138.5	0.	151.7	-86	76952.	-87	42.00	1.75	36.0	-18.70	35.99	.43	.67	1.10
84.00	1.39	92	-4133.6	0.	158.9	-86	74531.	-87	42.00	1.75	36.0	-18.68	34.86	.43	.65	1.08
86.00	1.12	92	-4128.5	0.	165.6	-86	71802.	-87	42.00	1.75	36.0	-18.66	33.58	.43	.62	1.05
88.00	.89	92	-4123.4	0.	171.8	-86	68779.	-87	42.00	1.75	36.0	-18.63	32.17	.43	.60	1.03
90.00	.69	92	-4118.1	0.	177.4	-86	65482.	-87	42.00	1.75	36.0	-18.61	30.63	.43	.57	1.00
92.00	.52	92	-4112.8	0.	182.6	-86	61928.	-87	42.00	1.75	36.0	-18.59	28.97	.43	.54	.97
94.00	.38	92	-4107.3	0.	187.2	-86	58136.	-87	42.00	1.75	36.0	-18.56	27.19	.43	.50	.93
96.00	.26	92	-4101.8	0.	191.4	-86	54127.	-87	42.00	1.75	36.0	-18.54	25.32	.43	.47	.90
98.00	.17	92	-4096.1	0.	194.0	-86	49919.	-87	42.00	1.75	36.0	-18.51	23.35	.43	.43	.86

*** Pile Critical Load Case Report For Pile Joint 182 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend. Total	
100.00	.10	92	-4090.4	0.	195.5	-86	45558.	-87	42.00	1.75	36.0	-18.48	21.31	.43	.39	.82
102.00	.04	92	-3994.1	0.	348.7	-87	41077.	-87	42.00	1.75	36.0	-18.05	19.21	.42	.36	.77
104.00	.01	91	-3899.9	0.	383.7	-87	32844.	-87	42.00	1.75	36.0	-17.62	15.36	.41	.28	.69
106.00	.01	-86	-3807.7	0.	348.6	-87	23711.	-87	42.00	1.75	36.0	-17.21	11.09	.40	.21	.60
108.00	.02	-87	-3717.5	0.	279.8	-87	15378.	-87	42.00	1.75	36.0	-16.80	7.19	.39	.13	.52
110.00	.02	-87	-3629.2	0.	202.3	-87	8671.	-87	42.00	1.75	36.0	-16.40	4.06	.38	.08	.45
112.00	.02	-87	-3542.8	0.	131.1	-87	3809.	-87	42.00	1.75	36.0	-16.01	1.78	.37	.03	.40
114.00	.01	-87	-3458.3	0.	73.6	-87	650.	-89	42.00	1.75	36.0	-15.63	.30	.36	.01	.37
116.00	.01	-87	-3375.5	0.	31.9	-87	1129.	93	42.00	1.75	36.0	-15.25	.53	.35	.01	.36
118.00	.01	-87	-3294.5	0.	4.8	-89	1906.	92	42.00	1.75	36.0	-14.89	.89	.34	.02	.36
120.00	.00	-87	-3215.2	0.	10.3	93	2031.	92	42.00	1.75	36.0	-14.53	.95	.34	.02	.35
122.00	.00	-90	-3137.6	0.	16.8	92	1790.	92	42.00	1.75	36.0	-14.18	.84	.33	.02	.34
124.00	.00	-90	-3061.6	0.	17.7	92	1390.	92	42.00	1.75	36.0	-13.84	.65	.32	.01	.33
126.00	.00	90	-2987.2	0.	15.5	92	966.	92	42.00	1.75	36.0	-13.50	.45	.31	.01	.32
128.00	.00	90	-2914.3	0.	11.9	92	595.	92	42.00	1.75	36.0	-13.17	.28	.30	.01	.31
130.00	.00	90	-2843.0	0.	8.2	92	308.	92	42.00	1.75	36.0	-12.85	.14	.30	.00	.30
132.00	.00	90	-2773.1	0.	5.0	92	111.	91	42.00	1.75	36.0	-12.53	.05	.29	.00	.29
134.00	.00	90	-2704.6	0.	2.5	92	9.	-83	42.00	1.75	36.0	-12.22	.00	.28	.00	.28
136.00	.00	90	-2637.6	0.	.8	91	69.	-87	42.00	1.75	36.0	-11.92	.03	.28	.00	.28
138.00	.00	90	-2571.9	0.	.2	-85	90.	-87	42.00	1.75	36.0	-11.62	.04	.27	.00	.27
140.00	.00	90	-2507.6	0.	.7	-87	86.	-87	42.00	1.75	36.0	-11.33	.04	.26	.00	.26
142.00	.00	0	-2444.6	0.	.8	-87	70.	-87	42.00	1.75	36.0	-11.05	.03	.26	.00	.26
144.00	.00	0	-2382.8	0.	.8	-87	50.	-87	42.00	1.75	36.0	-10.77	.02	.25	.00	.25
146.00	.00	0	-2322.3	0.	.6	-87	32.	-87	42.00	1.75	36.0	-10.49	.02	.24	.00	.24
148.00	.00	0	-2263.0	0.	.4	-87	17.	-87	42.00	1.75	36.0	-10.23	.01	.24	.00	.24
150.00	.00	0	-2204.8	0.	.3	-87	7.	-87	42.00	1.75	36.0	-9.96	.00	.23	.00	.23
152.00	.00	0	-2145.7	0.	.1	-87	0.	-94	42.00	1.75	36.0	-9.70	.00	.22	.00	.22
154.00	.00	0	-2085.7	0.	.0	-88	3.	92	42.00	1.75	36.0	-9.43	.00	.22	.00	.22
156.00	.00	0	-2026.9	0.	.0	93	4.	92	42.00	1.75	36.0	-9.16	.00	.21	.00	.21
158.00	.00	0	-1969.1	0.	.0	92	4.	92	42.00	1.75	36.0	-8.90	.00	.21	.00	.21
160.00	.00	0	-1912.5	0.	.0	92	3.	92	42.00	1.75	36.0	-8.64	.00	.20	.00	.20
162.00	.00	0	-1856.9	0.	.0	92	2.	92	42.00	1.75	36.0	-8.39	.00	.19	.00	.19
164.00	.00	0	-1802.4	0.	.0	92	1.	92	42.00	1.75	36.0	-8.15	.00	.19	.00	.19
166.00	.00	0	-1748.9	0.	.0	92	0.	92	42.00	1.75	36.0	-7.90	.00	.18	.00	.18
168.00	.00	0	-1696.3	0.	.0	92	0.	91	42.00	1.75	36.0	-7.67	.00	.18	.00	.18
170.00	.00	0	-1644.6	0.	.0	92	0.	-86	42.00	1.50	36.0	-8.62	.00	.20	.00	.20
172.00	.00	0	-1593.8	0.	.0	90	0.	-87	42.00	1.50	36.0	-8.35	.00	.19	.00	.19
174.00	.00	0	-1544.1	0.	.0	-90	0.	-87	42.00	1.50	36.0	-8.09	.00	.19	.00	.19
176.00	.00	0	-1495.3	0.	.0	-90	0.	-87	42.00	1.50	36.0	-7.84	.00	.18	.00	.18
178.00	.00	0	-1447.6	0.	.0	-90	0.	-87	42.00	1.50	36.0	-7.58	.00	.18	.00	.18
180.00	.00	0	-1400.6	0.	.0	-90	0.	-87	42.00	1.25	36.0	-8.75	.00	.20	.00	.20
182.00	.00	0	-1354.6	0.	.0	-90	0.	-87	42.00	1.25	36.0	-8.47	.00	.20	.00	.20
184.00	.00	0	-1309.7	0.	.0	-90	0.	-88	42.00	1.25	36.0	-8.18	.00	.19	.00	.19
186.00	.00	0	-1265.8	0.	.0	-90	0.	93	42.00	1.25	36.0	-7.91	.00	.18	.00	.18
188.00	.00	0	-1222.8	0.	.0	0	0.	92	42.00	1.25	36.0	-7.64	.00	.18	.00	.18
190.00	.00	0	-1180.7	0.	.0	0	0.	92	42.00	1.00	36.0	-9.17	.00	.21	.00	.21
192.00	.00	0	-1139.6	0.	.0	0	0.	92	42.00	1.00	36.0	-8.85	.00	.20	.00	.20
194.00	.00	0	-1099.6	0.	.0	0	0.	92	42.00	1.00	36.0	-8.54	.00	.20	.00	.20
196.00	.00	0	-1060.6	0.	.0	0	0.	92	42.00	1.00	36.0	-8.23	.00	.19	.00	.19
198.00	.00	0	-1022.7	0.	.0	0	0.	91	42.00	1.00	36.0	-7.94	.00	.18	.00	.18

*** Pile Critical Load Case Report For Pile Joint 182 - Critical Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
200.00	.00	0	-985.7	0.	.0	0	0.	-86	42.00	1.00	36.0	-7.65	.00	.18	.00	.18
202.00	.00	0	-949.7	0.	.0	0	0.	-87	42.00	1.00	36.0	-7.37	.00	.17	.00	.17
204.00	.00	0	-914.6	0.	.0	0	0.	-87	42.00	1.00	36.0	-7.10	.00	.16	.00	.16
206.00	.00	0	-880.3	0.	.0	0	0.	-87	42.00	1.00	36.0	-6.83	.00	.16	.00	.16
208.00	.00	0	-846.9	0.	.0	0	0.	-87	42.00	1.00	36.0	-6.58	.00	.15	.00	.15
210.00	.00	0	-814.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-6.32	.00	.15	.00	.15
212.00	.00	0	-782.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-6.08	.00	.14	.00	.14
214.00	.00	0	-751.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.83	.00	.13	.00	.13
216.00	.00	0	-720.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.59	.00	.13	.00	.13
218.00	.00	0	-689.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.35	.00	.12	.00	.12
220.00	.00	0	-659.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.12	.00	.12	.00	.12
222.00	.00	0	-630.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.89	.00	.11	.00	.11
224.00	.00	0	-601.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.67	.00	.11	.00	.11
226.00	.00	0	-572.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.44	.00	.10	.00	.10
228.00	.00	0	-544.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.22	.00	.10	.00	.10
230.00	.00	0	-516.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.01	.00	.09	.00	.09
232.00	.00	0	-488.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.79	.00	.09	.00	.09
234.00	.00	0	-461.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.58	.00	.08	.00	.08
236.00	.00	0	-434.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.37	.00	.08	.00	.08
238.00	.00	0	-407.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.17	.00	.07	.00	.07
240.00	.00	0	-381.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.96	.00	.07	.00	.07
242.00	.00	0	-355.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.76	.00	.06	.00	.06
244.00	.00	0	-329.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.56	.00	.06	.00	.06
246.00	.00	0	-304.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.36	.00	.05	.00	.05
248.00	.00	0	-278.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.16	.00	.05	.00	.05
250.00	.00	0	-253.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.97	.00	.05	.00	.05
252.00	.00	0	-228.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.77	.00	.04	.00	.04
254.00	.00	0	-203.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.58	.00	.04	.00	.04
256.00	.00	0	-178.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.39	.00	.03	.00	.03
258.00	.00	0	-154.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.20	.00	.03	.00	.03
260.00	.00	0	-129.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.01	.00	.02	.00	.02
262.00	.00	0	-105.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.82	.00	.02	.00	.02
264.00	.00	0	-80.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.63	.00	.01	.00	.01
266.00	.00	0	-56.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.44	.00	.01	.00	.01
268.00	.00	0	-32.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.25	.00	.01	.00	.01

*** Pile Head Unity Check Report ***

Pile Joint	Group ID	Load Case	Deflection		Axial		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check
			Normal To Pile Value (In)	Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD /-- (In)	WT /----- (	Fy (KSI)			
200	P33	6	33.63	140	-374.9	0.	350.5	140	138462.	139	33.00	16.49	36.0	-1.44	39.25	.74
		7	30.11	115	-374.9	0.	324.6	115	126408.	114	33.00	16.49	36.0	-1.44	35.83	.67
		8	28.63	88	-374.9	0.	314.4	88	121924.	88	33.00	16.49	36.0	-1.44	34.56	.65
112	P42	6	33.31	-79	2169.9	0.	395.4	-79	116286.	-79	42.00	1.75	36.0	9.81	54.39	1.23
		7	28.53	255	1878.9	0.	345.4	255	101830.	-104	42.00	1.75	36.0	8.49	47.63	1.08
		8	26.64	225	1163.1	0.	312.1	225	96985.	-134	42.00	1.75	36.0	5.26	45.36	.96
122	P42	6	34.45	-36	261.0	0.	349.5	-36	122290.	-36	42.00	1.75	36.0	1.18	57.20	1.09
		7	30.19	-61	839.6	0.	332.4	-61	107477.	-60	42.00	1.75	36.0	3.79	50.27	1.02
		8	28.14	-89	1082.4	0.	322.2	-89	100809.	-89	42.00	1.75	36.0	4.89	47.15	.99
132	P42	6	35.02	-38	687.4	0.	367.6	-38	124384.	-38	42.00	1.75	36.0	3.11	58.18	1.15
		7	31.14	-62	1039.8	0.	347.1	-62	111541.	-62	42.00	1.75	36.0	4.70	52.17	1.07
		8	29.06	-89	1055.0	0.	330.4	-89	104786.	-89	42.00	1.75	36.0	4.77	49.01	1.02
142	P42	6	35.61	4	-1384.6	0.	307.0	4	128953.	4	42.00	1.75	36.0	-6.26	60.32	1.26
		7	32.29	-18	-214.8	0.	320.0	-18	116327.	-18	42.00	1.75	36.0	-.97	54.41	1.03
		8	30.18	-44	762.5	0.	329.6	-43	107743.	-43	42.00	1.75	36.0	3.45	50.40	1.01
152	P42	6	31.57	187	-511.8	0.	306.4	188	114032.	-171	42.00	1.75	36.0	-2.31	53.34	1.04
		7	27.55	161	-1677.1	0.	249.3	161	101992.	161	42.00	1.75	36.0	-7.58	47.71	1.06
		8	26.53	132	-2640.2	0.	218.8	132	99657.	132	42.00	1.75	36.0	-11.93	46.61	1.14
162	P42	6	32.66	140	-2569.3	0.	253.1	140	120280.	140	42.00	1.75	36.0	-11.61	56.26	1.31
		7	29.04	114	-2901.7	0.	226.0	114	109139.	114	42.00	1.75	36.0	-13.11	51.05	1.25
		8	27.98	86	-2935.7	0.	220.4	86	106026.	86	42.00	1.75	36.0	-13.27	49.59	1.23
172	P42	6	33.36	139	-2326.3	0.	263.1	139	121393.	140	42.00	1.75	36.0	-10.51	56.78	1.29
		7	29.99	114	-2890.0	0.	228.9	114	110820.	114	42.00	1.75	36.0	-13.06	51.84	1.26
		8	28.88	87	-3120.7	0.	217.8	86	107971.	86	42.00	1.75	36.0	-14.10	50.50	1.26
182	P42	6	33.93	93	-4212.1	0.	205.7	92	126391.	92	42.00	1.75	36.0	-19.03	59.12	1.54
		7	31.03	67	-3963.3	0.	204.0	67	117251.	67	42.00	1.75	36.0	-17.91	54.84	1.43
		8	30.02	41	-3270.0	0.	220.8	41	113502.	41	42.00	1.75	36.0	-14.78	53.09	1.33

*** Pile Critical Section Unity Check Report ***

Joint	Group ID	Load Case	Dist. Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check
			Along Pile (Ft)	Normal To Pile (In)			Value	Angle (Deg)	Value	Angle (Deg)	Value	Angle (Deg)	OD (In)				WT (In)	Fy (KSI)
200	P33	6	.0033.63	140	-374.9	0.	350.5	140	138462.	139	33.00	16.49	36.0	-.44	39.25	.74
		7	.0030.11	115	-374.9	0.	324.6	115	126408.	114	33.00	16.49	36.0	-.44	35.83	.67
		8	.0028.63	88	-374.9	0.	314.4	88	121924.	88	33.00	16.49	36.0	-.44	34.56	.65
112	P42	6	.0033.31	-79	2169.9	0.	395.4	-79	116286.	-79	42.00	1.75	36.0	9.81	54.39	1.23
		7	.0028.53	255	1878.9	0.	345.4	255	101830.	-104	42.00	1.75	36.0	8.49	47.63	1.08
		8	.0026.64	225	1163.1	0.	312.1	225	96985.	-134	42.00	1.75	36.0	5.26	45.36	.96
122	P42	6	.0034.45	-36	261.0	0.	349.5	-36	122290.	-36	42.00	1.75	36.0	1.18	57.20	1.09
		7	.0030.19	-61	839.6	0.	332.4	-61	107477.	-60	42.00	1.75	36.0	3.79	50.27	1.02
		8	.0028.14	-89	1082.4	0.	322.2	-89	100809.	-89	42.00	1.75	36.0	4.89	47.15	.99
132	P42	6	.0035.02	-38	687.4	0.	367.6	-38	124384.	-38	42.00	1.75	36.0	3.11	58.18	1.15
		7	.0031.14	-62	1039.8	0.	347.1	-62	111541.	-62	42.00	1.75	36.0	4.70	52.17	1.07
		8	.0029.06	-89	1055.0	0.	330.4	-89	104786.	-89	42.00	1.75	36.0	4.77	49.01	1.02
142	P42	6	.0035.61	4	-1384.6	0.	307.0	4	128953.	4	42.00	1.75	36.0	-6.26	60.32	1.26
		7	.0032.29	-18	-214.8	0.	320.0	-18	116327.	-18	42.00	1.75	36.0	-.97	54.41	1.03
		8	.0030.18	-44	762.5	0.	329.6	-43	107743.	-43	42.00	1.75	36.0	3.45	50.40	1.01
152	P42	6	.0031.57	187	-511.8	0.	306.4	188	114032.	-171	42.00	1.75	36.0	-2.31	53.34	1.04
		7	.0027.55	161	-1677.1	0.	249.3	161	101992.	161	42.00	1.75	36.0	-7.58	47.71	1.06
		8	.0026.53	132	-2640.2	0.	218.8	132	99657.	132	42.00	1.75	36.0	-11.93	46.61	1.14
162	P42	6	.0032.66	140	-2569.3	0.	253.1	140	120280.	140	42.00	1.75	36.0	-11.61	56.26	1.31
		7	.0029.04	114	-2901.7	0.	226.0	114	109139.	114	42.00	1.75	36.0	-13.11	51.05	1.25
		8	.0027.98	86	-2935.7	0.	220.4	86	106026.	86	42.00	1.75	36.0	-13.27	49.59	1.23
172	P42	6	.0033.36	139	-2326.3	0.	263.1	139	121393.	140	42.00	1.75	36.0	-10.51	56.78	1.29
		7	.0029.99	114	-2890.0	0.	228.9	114	110820.	114	42.00	1.75	36.0	-13.06	51.84	1.26
		8	.0028.88	87	-3120.7	0.	217.8	86	107971.	86	42.00	1.75	36.0	-14.10	50.50	1.26
182	P42	6	.0033.93	93	-4212.1	0.	205.7	92	126391.	92	42.00	1.75	36.0	-19.03	59.12	1.54
		7	.0031.03	67	-3963.3	0.	204.0	67	117251.	67	42.00	1.75	36.0	-17.91	54.84	1.43
		8	.0030.02	41	-3270.0	0.	220.8	41	113502.	41	42.00	1.75	36.0	-14.78	53.09	1.33

*** Pile Group Summary Report - Group P33 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Load Case	Pile Joint	Unity Check
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD	WT	Fy					
.00	33.63	140	-374.9	0.	350.5	140	138462.	139	33.00	16.49	36.0	-.44	39.25	6	200	.74
2.01	33.07	140	-380.1	0.	349.0	140	129788.	139	33.00	16.49	36.0	-.44	36.79	6	200	.69
4.02	32.46	140	-385.3	0.	347.4	140	121129.	139	33.00	16.49	36.0	-.45	34.33	6	200	.65
6.04	31.80	140	-390.5	0.	345.6	140	112491.	139	33.00	16.49	36.0	-.46	31.88	6	200	.60
8.05	31.11	140	-395.7	0.	343.6	140	103877.	139	33.00	16.49	36.0	-.46	29.44	6	200	.56
10.06	30.39	140	-400.9	0.	341.6	140	95292.	139	33.00	16.49	36.0	-.47	27.01	6	200	.51
12.07	29.63	140	-406.1	0.	339.4	140	86741.	139	33.00	16.49	36.0	-.47	24.59	6	200	.47
14.09	28.84	140	-411.3	0.	337.0	140	78227.	139	33.00	16.49	36.0	-.48	22.17	6	200	.42
16.10	28.03	140	-416.5	0.	334.5	140	69754.	139	33.00	16.49	36.0	-.49	19.77	6	200	.38
18.11	27.19	140	-421.7	0.	331.9	140	61328.	138	33.00	16.49	36.0	-.49	17.38	6	200	.33
20.12	26.33	140	-426.9	0.	329.2	140	52952.	138	33.00	16.49	36.0	-.50	15.01	6	200	.29
22.14	25.45	140	-432.1	0.	326.3	140	44631.	138	33.00	16.49	36.0	-.51	12.65	6	200	.25
24.15	24.55	140	-437.3	0.	323.3	140	36369.	138	33.00	16.49	36.0	-.51	10.31	6	200	.20
26.16	23.65	140	-442.5	0.	320.2	140	28172.	137	33.00	16.49	36.0	-.52	7.99	6	200	.16
28.17	22.73	140	-447.7	0.	317.0	140	20045.	136	33.00	16.49	36.0	-.52	5.68	6	200	.12
30.19	21.80	140	-452.9	0.	313.7	140	12003.	134	33.00	16.49	36.0	-.53	3.40	6	200	.08
32.20	20.88	140	-458.8	0.	304.4	140	4138.	122	33.00	16.49	36.0	-.53	1.17	6	200	.03
34.21	16.84	88	-459.4	0.	256.6	88	5249.	-81	33.00	16.49	36.0	-.54	1.49	8	200	.04
36.22	16.91	115	-461.9	0.	251.6	115	11875.	-58	33.00	16.49	36.0	-.54	3.37	7	200	.07
38.23	18.10	140	-464.5	0.	260.0	139	18348.	-36	33.00	16.49	36.0	-.54	5.20	6	200	.11
40.25	17.18	140	-467.0	0.	245.7	139	25042.	-37	33.00	16.49	36.0	-.55	7.10	6	200	.14
42.26	16.27	140	-469.6	0.	231.7	139	31394.	-37	33.00	16.49	36.0	-.55	8.90	6	200	.18
44.27	15.37	140	-472.2	0.	217.9	139	37407.	-38	33.00	16.49	36.0	-.55	10.60	6	200	.21
46.28	14.48	140	-474.8	0.	204.4	139	43084.	-38	33.00	16.49	36.0	-.56	12.21	6	200	.24
48.30	13.61	140	-477.5	0.	191.2	139	48430.	-38	33.00	16.49	36.0	-.56	13.73	6	200	.27
50.31	12.76	140	-480.1	0.	178.2	139	53453.	-38	33.00	16.49	36.0	-.56	15.15	6	200	.29
52.32	11.93	140	-482.8	0.	165.5	139	58155.	-38	33.00	16.49	36.0	-.56	16.48	6	200	.32
54.33	11.11	140	-485.4	0.	153.2	139	62545.	-38	33.00	16.49	36.0	-.57	17.73	6	200	.34
56.35	10.32	140	-488.1	0.	141.1	139	66629.	-38	33.00	16.49	36.0	-.57	18.89	6	200	.36
58.36	9.55	140	-490.8	0.	129.4	139	70411.	-39	33.00	16.49	36.0	-.57	19.96	6	200	.38
60.37	8.80	140	-493.5	0.	117.9	139	73901.	-39	33.00	16.49	36.0	-.58	20.95	6	200	.40
62.38	8.08	140	-496.3	0.	106.8	139	77103.	-39	33.00	16.49	36.0	-.58	21.85	6	200	.42
64.40	7.38	140	-499.0	0.	96.0	139	80026.	-39	33.00	16.49	36.0	-.58	22.68	6	200	.43
66.41	6.72	140	-501.8	0.	85.6	139	82677.	-39	33.00	16.49	36.0	-.59	23.43	6	200	.45
68.42	6.08	140	-504.5	0.	75.5	138	85062.	-39	33.00	16.49	36.0	-.59	24.11	6	200	.46
70.43	5.47	140	-507.3	0.	65.7	138	87191.	-39	33.00	16.49	36.0	-.59	24.71	6	200	.47
72.44	4.89	140	-510.1	0.	56.3	138	89070.	-39	33.00	16.49	36.0	-.60	25.25	6	200	.48
74.46	4.34	140	-512.9	0.	47.3	138	90709.	-39	33.00	16.49	36.0	-.60	25.71	6	200	.49
76.47	3.83	140	-515.8	0.	38.7	137	92115.	-39	33.00	16.49	36.0	-.60	26.11	6	200	.50
78.48	3.34	140	-518.6	0.	30.4	136	93298.	-39	33.00	16.49	36.0	-.61	26.44	6	200	.50
80.49	2.89	140	-521.5	0.	22.6	135	94265.	-39	33.00	16.49	36.0	-.61	26.72	6	200	.51
82.51	2.47	140	-524.3	0.	15.2	133	95027.	-39	33.00	16.49	36.0	-.61	26.93	6	200	.51
84.52	2.08	140	-527.2	0.	8.3	127	95595.	-39	33.00	16.49	36.0	-.62	27.10	6	200	.52
86.53	1.73	140	-530.1	0.	2.3	89	95978.	-39	33.00	16.49	36.0	-.62	27.20	6	200	.52
88.54	1.41	140	-533.0	0.	5.0	-18	96183.	-39	33.00	16.49	36.0	-.62	27.26	6	200	.52
90.56	1.12	140	-536.0	0.	10.5	-30	96224.	-39	33.00	16.49	36.0	-.63	27.27	6	200	.52
92.57	.86	140	-538.9	0.	15.7	-33	96110.	-39	33.00	16.49	36.0	-.63	27.24	6	200	.52
94.58	.64	140	-541.9	0.	20.4	-34	95852.	-39	33.00	16.49	36.0	-.63	27.17	6	200	.52
96.59	.45	140	-544.9	0.	24.7	-35	95462.	-39	33.00	16.49	36.0	-.64	27.06	6	200	.52
98.60	.30	140	-547.9	0.	28.3	-36	94953.	-39	33.00	16.49	36.0	-.64	26.91	6	200	.51

* * * Pile Group Summary Report - Group P33 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Load Case	Pile Joint	Unity Check
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT (In)	Fy (KSI)					
100.62	.18	140	-547.5	0.	339.1	-39	94338.	-39	33.00	16.49	36.0	-.64	26.74	6	200	.51
102.63	.09	140	-543.8	0.	649.5	-39	86198.	-39	33.00	16.49	36.0	-.64	24.43	6	200	.47
104.64	.03	139	-540.2	0.	742.0	-39	70546.	-39	33.00	16.49	36.0	-.63	20.00	6	200	.38
106.65	.01	-39	-536.6	0.	698.4	-39	52649.	-39	33.00	16.49	36.0	-.63	14.92	6	200	.29
108.67	.03	-39	-533.1	0.	583.3	-39	35794.	-39	33.00	16.49	36.0	-.62	10.15	6	200	.20
110.68	.04	-39	-529.7	0.	442.4	-39	21712.	-39	33.00	16.49	36.0	-.62	6.15	6	200	.13
112.69	.03	-39	-526.4	0.	305.4	-39	11029.	-39	33.00	16.49	36.0	-.62	3.13	6	200	.07
114.70	.03	-39	-523.1	0.	188.5	-39	3652.	-40	33.00	16.49	36.0	-.61	1.04	6	200	.03
116.72	.02	-39	-519.9	0.	98.4	-39	902.	140	33.00	16.49	36.0	-.61	.26	6	200	.02
118.73	.02	-39	-516.8	0.	35.2	-39	3280.	140	33.00	16.49	36.0	-.60	.93	6	200	.03
120.74	.01	-39	-513.7	0.	4.4	141	4134.	140	33.00	16.49	36.0	-.60	1.17	6	200	.04
122.75	.00	-39	-510.8	0.	25.6	140	4030.	140	33.00	16.49	36.0	-.60	1.14	6	200	.03
124.77	.00	-39	-507.8	0.	33.7	140	3413.	140	33.00	16.49	36.0	-.59	.97	6	200	.03
126.78	.00	0	-505.0	0.	33.4	140	2601.	140	33.00	16.49	36.0	-.59	.74	6	200	.03
128.79	.00	140	-502.2	0.	28.6	140	1794.	140	33.00	16.49	36.0	-.59	.51	6	200	.02
130.80	.00	140	-499.5	0.	21.9	140	1104.	140	33.00	16.49	36.0	-.58	.31	6	200	.02
132.81	.00	140	-496.9	0.	15.2	140	574.	140	33.00	16.49	36.0	-.58	.16	6	200	.02
134.83	.00	140	-494.3	0.	9.4	140	206.	140	33.00	16.49	36.0	-.58	.06	6	200	.01
136.84	.00	140	-491.8	0.	4.9	140	20.	-38	33.00	16.49	36.0	-.57	.01	6	200	.01
138.85	.00	140	-489.4	0.	1.8	140	138.	-39	33.00	16.49	36.0	-.57	.04	6	200	.01
140.86	.00	140	-487.0	0.	.2	-38	182.	-39	33.00	16.49	36.0	-.57	.05	6	200	.01
142.88	.00	140	-484.7	0.	1.2	-39	178.	-39	33.00	16.49	36.0	-.57	.05	6	200	.01
144.89	.00	0	-482.4	0.	1.6	-39	150.	-39	33.00	16.49	36.0	-.56	.04	6	200	.01
146.90	.00	0	-480.3	0.	1.5	-39	112.	-39	33.00	16.49	36.0	-.56	.03	6	200	.01
148.91	.00	0	-478.1	0.	1.3	-39	75.	-39	33.00	16.49	36.0	-.56	.02	6	200	.01
150.93	.00	0	-475.8	0.	1.0	-39	44.	-39	33.00	16.49	36.0	-.56	.01	6	200	.01
152.94	.00	0	-473.3	0.	.6	-39	21.	-39	33.00	16.49	36.0	-.55	.01	6	200	.01
154.95	.00	0	-470.8	0.	.3	-39	7.	-39	33.00	16.49	36.0	-.55	.00	6	200	.01
156.96	.00	0	-468.4	0.	.1	-40	0.	-46	33.00	16.49	36.0	-.55	.00	6	200	.01
158.98	.00	0	-466.1	0.	.0	140	1.	140	33.00	16.49	36.0	-.54	.00	6	200	.01
160.99	.00	0	-463.8	0.	.0	140	1.	140	33.00	16.49	36.0	-.54	.00	6	200	.01

*** Group Critical Pile Report I - Group P33 - Pile 200 - Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Axial	Bend. Total
.00	33.63	140	-374.9	0.	350.5	140	138462.	139	33.00	16.49	36.0	-.44	39.25	.01	.73	.74
2.01	33.07	140	-380.1	0.	349.0	140	129788.	139	33.00	16.49	36.0	-.44	36.79	.01	.68	.69
4.02	32.46	140	-385.3	0.	347.4	140	121129.	139	33.00	16.49	36.0	-.45	34.33	.01	.64	.65
6.04	31.80	140	-390.5	0.	345.6	140	112491.	139	33.00	16.49	36.0	-.46	31.88	.01	.59	.60
8.05	31.11	140	-395.7	0.	343.6	140	103877.	139	33.00	16.49	36.0	-.46	29.44	.01	.55	.56
10.06	30.39	140	-400.9	0.	341.6	140	95292.	139	33.00	16.49	36.0	-.47	27.01	.01	.50	.51
12.07	29.63	140	-406.1	0.	339.4	140	86741.	139	33.00	16.49	36.0	-.47	24.59	.01	.46	.47
14.09	28.84	140	-411.3	0.	337.0	140	78227.	139	33.00	16.49	36.0	-.48	22.17	.01	.41	.42
16.10	28.03	140	-416.5	0.	334.5	140	69754.	139	33.00	16.49	36.0	-.49	19.77	.01	.37	.38
18.11	27.19	140	-421.7	0.	331.9	140	61328.	138	33.00	16.49	36.0	-.49	17.38	.01	.32	.33
20.12	26.33	140	-426.9	0.	329.2	140	52952.	138	33.00	16.49	36.0	-.50	15.01	.01	.28	.29
22.14	25.45	140	-432.1	0.	326.3	140	44631.	138	33.00	16.49	36.0	-.51	12.65	.01	.23	.25
24.15	24.55	140	-437.3	0.	323.3	140	36369.	138	33.00	16.49	36.0	-.51	10.31	.01	.19	.20
26.16	23.65	140	-442.5	0.	320.2	140	28172.	137	33.00	16.49	36.0	-.52	7.99	.01	.15	.16
28.17	22.73	140	-447.7	0.	317.0	140	20045.	136	33.00	16.49	36.0	-.52	5.68	.01	.11	.12
30.19	21.80	140	-452.9	0.	313.7	140	12003.	134	33.00	16.49	36.0	-.53	3.40	.01	.06	.08
32.20	20.88	140	-456.8	0.	304.4	140	4138.	122	33.00	16.49	36.0	-.53	1.17	.01	.02	.03
34.21	19.95	140	-459.4	0.	289.4	140	4037.	-21	33.00	16.49	36.0	-.54	1.14	.01	.02	.03
36.22	19.02	140	-461.9	0.	274.6	139	11318.	-33	33.00	16.49	36.0	-.54	3.21	.01	.06	.07
38.23	18.10	140	-464.5	0.	260.0	139	18348.	-36	33.00	16.49	36.0	-.54	5.20	.01	.10	.11
40.25	17.18	140	-467.0	0.	245.7	139	25042.	-37	33.00	16.49	36.0	-.55	7.10	.01	.13	.14
42.26	16.27	140	-469.6	0.	231.7	139	31394.	-37	33.00	16.49	36.0	-.55	8.90	.01	.16	.18
44.27	15.37	140	-472.2	0.	217.9	139	37407.	-38	33.00	16.49	36.0	-.55	10.60	.01	.20	.21
46.28	14.48	140	-474.8	0.	204.4	139	43084.	-38	33.00	16.49	36.0	-.56	12.21	.01	.23	.24
48.30	13.61	140	-477.5	0.	191.2	139	48490.	-38	33.00	16.49	36.0	-.56	13.73	.01	.25	.27
50.31	12.76	140	-480.1	0.	178.2	139	53453.	-38	33.00	16.49	36.0	-.56	15.15	.01	.28	.29
52.32	11.93	140	-482.8	0.	165.5	139	58155.	-38	33.00	16.49	36.0	-.56	16.48	.01	.31	.32
54.33	11.11	140	-485.4	0.	153.2	139	62945.	-38	33.00	16.49	36.0	-.57	17.73	.01	.33	.34
56.35	10.32	140	-488.1	0.	141.1	139	66629.	-38	33.00	16.49	36.0	-.57	18.89	.01	.35	.36
58.36	9.55	140	-490.8	0.	129.4	139	70411.	-39	33.00	16.49	36.0	-.57	19.96	.01	.37	.38
60.37	8.80	140	-493.5	0.	117.9	139	73901.	-39	33.00	16.49	36.0	-.58	20.95	.01	.39	.40
62.38	8.08	140	-496.3	0.	106.8	139	77103.	-39	33.00	16.49	36.0	-.58	21.85	.01	.40	.42
64.40	7.38	140	-499.0	0.	96.0	139	80026.	-39	33.00	16.49	36.0	-.58	22.68	.01	.42	.43
66.41	6.72	140	-501.8	0.	85.6	139	82677.	-39	33.00	16.49	36.0	-.59	23.43	.01	.43	.45
68.42	6.08	140	-504.5	0.	75.5	138	85062.	-39	33.00	16.49	36.0	-.59	24.11	.01	.45	.46
70.43	5.47	140	-507.3	0.	65.7	138	87191.	-39	33.00	16.49	36.0	-.59	24.71	.01	.46	.47
72.44	4.89	140	-510.1	0.	56.3	138	89070.	-39	33.00	16.49	36.0	-.60	25.25	.01	.47	.48
74.46	4.34	140	-512.9	0.	47.3	138	90709.	-39	33.00	16.49	36.0	-.60	25.71	.01	.48	.49
76.47	3.83	140	-515.8	0.	38.7	137	92115.	-39	33.00	16.49	36.0	-.60	26.11	.01	.48	.50
78.48	3.34	140	-518.6	0.	30.4	136	93298.	-39	33.00	16.49	36.0	-.61	26.44	.01	.49	.50
80.49	2.89	140	-521.5	0.	22.6	135	94265.	-39	33.00	16.49	36.0	-.61	26.72	.01	.49	.51
82.51	2.47	140	-524.3	0.	15.2	133	95027.	-39	33.00	16.49	36.0	-.61	26.93	.01	.50	.51
84.52	2.08	140	-527.2	0.	8.3	127	95595.	-39	33.00	16.49	36.0	-.62	27.10	.01	.50	.52
86.53	1.73	140	-530.1	0.	2.3	89	95978.	-39	33.00	16.49	36.0	-.62	27.20	.01	.50	.52
88.54	1.41	140	-533.0	0.	5.0	-18	96183.	-39	33.00	16.49	36.0	-.62	27.26	.01	.50	.52
90.56	1.12	140	-536.0	0.	10.5	-30	96224.	-39	33.00	16.49	36.0	-.63	27.27	.01	.51	.52
92.57	.86	140	-538.9	0.	15.7	-33	96110.	-39	33.00	16.49	36.0	-.63	27.24	.01	.50	.52
94.58	.64	140	-541.9	0.	20.4	-34	95852.	-39	33.00	16.49	36.0	-.63	27.17	.01	.50	.52
96.59	.45	140	-544.9	0.	24.7	-35	95462.	-39	33.00	16.49	36.0	-.64	27.06	.01	.50	.52
98.60	.30	140	-547.9	0.	28.3	-36	94953.	-39	33.00	16.49	36.0	-.64	26.91	.01	.50	.51

* * * Group Critical Pile Report 1 - Group P33 - Pile 200 - Load Case 6 * * *

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD	WT	Fy			Stress	Stress	Axial	Bend.	Total
100.62	.18	140	-547.5	0.	339.1	-39	94338.	-39	33.00	16.49	36.0	-.64	26.74	.01	.50	.51
102.63	.09	140	-543.8	0.	649.5	-39	86198.	-39	33.00	16.49	36.0	-.64	24.43	.01	.45	.47
104.64	.03	139	-540.2	0.	742.0	-39	70546.	-39	33.00	16.49	36.0	-.63	20.00	.01	.37	.38
106.65	.01	-39	-536.6	0.	698.4	-39	52649.	-39	33.00	16.49	36.0	-.63	14.92	.01	.28	.29
108.67	.03	-39	-533.1	0.	583.3	-39	35794.	-39	33.00	16.49	36.0	-.62	10.15	.01	.19	.20
110.68	.04	-39	-529.7	0.	442.4	-39	21712.	-39	33.00	16.49	36.0	-.62	6.15	.01	.11	.13
112.69	.03	-39	-526.4	0.	305.4	-39	11029.	-39	33.00	16.49	36.0	-.62	3.13	.01	.06	.07
114.70	.03	-39	-523.1	0.	188.5	-39	3652.	-40	33.00	16.49	36.0	-.61	1.04	.01	.02	.03
116.72	.02	-39	-519.9	0.	98.4	-39	902.	140	33.00	16.49	36.0	-.61	.26	.01	.00	.02
118.73	.02	-39	-516.8	0.	35.2	-39	3280.	140	33.00	16.49	36.0	-.60	.93	.01	.02	.03
120.74	.01	-39	-513.7	0.	4.4	141	4134.	140	33.00	16.49	36.0	-.60	1.17	.01	.02	.04
122.75	.00	-39	-510.8	0.	25.6	140	4030.	140	33.00	16.49	36.0	-.60	1.14	.01	.02	.03
124.77	.00	-39	-507.8	0.	33.7	140	3413.	140	33.00	16.49	36.0	-.59	.97	.01	.02	.03
126.78	.00	0	-505.0	0.	33.4	140	2601.	140	33.00	16.49	36.0	-.59	.74	.01	.01	.03
128.79	.00	140	-502.2	0.	28.6	140	1794.	140	33.00	16.49	36.0	-.59	.51	.01	.01	.02
130.80	.00	140	-499.5	0.	21.9	140	1104.	140	33.00	16.49	36.0	-.58	.31	.01	.01	.02
132.81	.00	140	-496.9	0.	15.2	140	574.	140	33.00	16.49	36.0	-.58	.16	.01	.00	.02
134.83	.00	140	-494.3	0.	9.4	140	206.	140	33.00	16.49	36.0	-.58	.06	.01	.00	.01
136.84	.00	140	-491.8	0.	4.9	140	20.	-38	33.00	16.49	36.0	-.57	.01	.01	.00	.01
138.85	.00	140	-489.4	0.	1.8	140	138.	-39	33.00	16.49	36.0	-.57	.04	.01	.00	.01
140.86	.00	140	-487.0	0.	.2	-38	182.	-39	33.00	16.49	36.0	-.57	.05	.01	.00	.01
142.88	.00	140	-484.7	0.	1.2	-39	178.	-39	33.00	16.49	36.0	-.57	.05	.01	.00	.01
144.89	.00	0	-482.4	0.	1.6	-39	150.	-39	33.00	16.49	36.0	-.56	.04	.01	.00	.01
146.90	.00	0	-480.3	0.	1.5	-39	112.	-39	33.00	16.49	36.0	-.56	.03	.01	.00	.01
148.91	.00	0	-478.1	0.	1.3	-39	75.	-39	33.00	16.49	36.0	-.56	.02	.01	.00	.01
150.93	.00	0	-475.8	0.	1.0	-39	44.	-39	33.00	16.49	36.0	-.56	.01	.01	.00	.01
152.94	.00	0	-473.3	0.	.6	-39	21.	-39	33.00	16.49	36.0	-.55	.01	.01	.00	.01
154.95	.00	0	-470.8	0.	.3	-39	7.	-39	33.00	16.49	36.0	-.55	.00	.01	.00	.01
156.96	.00	0	-468.4	0.	.1	-40	0.	-46	33.00	16.49	36.0	-.55	.00	.01	.00	.01
158.98	.00	0	-466.1	0.	.0	140	1.	140	33.00	16.49	36.0	-.54	.00	.01	.00	.01
160.99	.00	0	-463.8	0.	.0	140	1.	140	33.00	16.49	36.0	-.54	.00	.01	.00	.01

*** Group Critical Pile Report II - Group P33 - Pile 200 - Load Case 7 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Axial	Bend. Total
.00	30.11	115	-374.9	0.	324.6	115	125408.	114	33.00	16.49	36.0	-.44	35.83	.01	.66	.67
2.01	29.60	115	-380.1	0.	323.2	115	118377.	114	33.00	16.49	36.0	-.44	33.55	.01	.62	.63
4.02	29.05	115	-385.3	0.	321.7	115	110364.	114	33.00	16.49	36.0	-.45	31.28	.01	.58	.59
6.04	28.46	115	-390.5	0.	319.9	115	102370.	114	33.00	16.49	36.0	-.46	29.02	.01	.54	.55
8.05	27.84	115	-395.7	0.	318.1	115	94402.	114	33.00	16.49	36.0	-.46	26.76	.01	.50	.51
10.06	27.18	115	-400.9	0.	316.1	115	86462.	114	33.00	16.49	36.0	-.47	24.51	.01	.45	.46
12.07	26.49	115	-406.1	0.	313.9	115	78555.	114	33.00	16.49	36.0	-.47	22.27	.01	.41	.42
14.09	25.78	115	-411.3	0.	311.7	115	70686.	114	33.00	16.49	36.0	-.48	20.04	.01	.37	.38
16.10	25.04	115	-416.5	0.	309.3	115	62858.	114	33.00	16.49	36.0	-.49	17.82	.01	.33	.34
18.11	24.28	115	-421.7	0.	306.7	115	55075.	113	33.00	16.49	36.0	-.49	15.61	.01	.29	.30
20.12	23.50	115	-426.9	0.	304.1	115	47343.	113	33.00	16.49	36.0	-.50	13.42	.01	.25	.26
22.14	22.71	115	-432.1	0.	301.3	115	39664.	113	33.00	16.49	36.0	-.51	11.24	.01	.21	.22
24.15	21.90	115	-437.3	0.	298.5	115	32043.	112	33.00	16.49	36.0	-.51	9.08	.01	.17	.18
26.16	21.08	115	-442.5	0.	295.5	115	24486.	112	33.00	16.49	36.0	-.52	6.94	.01	.13	.14
28.17	20.25	115	-447.7	0.	292.4	115	17000.	110	33.00	16.49	36.0	-.52	4.82	.01	.09	.10
30.19	19.42	115	-452.9	0.	289.2	115	9605.	107	33.00	16.49	36.0	-.53	2.72	.01	.05	.06
32.20	18.58	115	-456.8	0.	280.3	115	2522.	83	33.00	16.49	36.0	-.53	.72	.01	.01	.03
34.21	17.74	115	-459.4	0.	265.8	115	5170.	-49	33.00	16.49	36.0	-.54	1.47	.01	.03	.04
36.22	16.91	115	-461.9	0.	251.6	115	11875.	-58	33.00	16.49	36.0	-.54	3.37	.01	.06	.07
38.23	16.08	115	-464.5	0.	237.6	115	18309.	-60	33.00	16.49	36.0	-.54	5.19	.01	.10	.11
40.25	15.25	115	-467.0	0.	223.9	115	24418.	-61	33.00	16.49	36.0	-.55	6.92	.01	.13	.14
42.26	14.43	115	-469.6	0.	210.4	115	30199.	-62	33.00	16.49	36.0	-.55	8.56	.01	.16	.17
44.27	13.62	115	-472.2	0.	197.1	115	35653.	-62	33.00	16.49	36.0	-.55	10.11	.01	.19	.20
46.28	12.83	115	-474.8	0.	184.1	114	40785.	-62	33.00	16.49	36.0	-.56	11.56	.01	.21	.23
48.30	12.05	115	-477.5	0.	171.4	114	45600.	-63	33.00	16.49	36.0	-.56	12.92	.01	.24	.25
50.31	11.28	115	-480.1	0.	159.0	114	50103.	-63	33.00	16.49	36.0	-.56	14.20	.01	.26	.28
52.32	10.54	115	-482.8	0.	146.9	114	54300.	-63	33.00	16.49	36.0	-.56	15.39	.01	.29	.30
54.33	9.81	115	-485.4	0.	135.0	114	58197.	-63	33.00	16.49	36.0	-.57	16.50	.01	.31	.32
56.35	9.10	115	-488.1	0.	123.4	114	61799.	-63	33.00	16.49	36.0	-.57	17.52	.01	.32	.34
58.36	8.41	115	-490.8	0.	112.2	114	65115.	-63	33.00	16.49	36.0	-.57	18.46	.01	.34	.36
60.37	7.74	115	-493.5	0.	101.2	114	68149.	-63	33.00	16.49	36.0	-.58	19.32	.01	.36	.37
62.38	7.10	115	-496.3	0.	90.6	114	70908.	-63	33.00	16.49	36.0	-.58	20.10	.01	.37	.39
64.40	6.49	115	-499.0	0.	80.2	114	73400.	-63	33.00	16.49	36.0	-.58	20.80	.01	.39	.40
66.41	5.89	115	-501.8	0.	70.2	113	75632.	-64	33.00	16.49	36.0	-.59	21.44	.01	.40	.41
68.42	5.33	115	-504.5	0.	60.6	113	77611.	-64	33.00	16.49	36.0	-.59	22.00	.01	.41	.42
70.43	4.79	115	-507.3	0.	51.2	113	79344.	-64	33.00	16.49	36.0	-.59	22.49	.01	.42	.43
72.44	4.28	115	-510.1	0.	42.3	112	80840.	-64	33.00	16.49	36.0	-.60	22.91	.01	.42	.44
74.46	3.79	115	-512.9	0.	33.7	112	82107.	-64	33.00	16.49	36.0	-.60	23.27	.01	.43	.44
76.47	3.34	115	-515.8	0.	25.4	111	83152.	-64	33.00	16.49	36.0	-.60	23.57	.01	.44	.45
78.48	2.91	115	-518.6	0.	17.6	109	83983.	-64	33.00	16.49	36.0	-.61	23.80	.01	.44	.45
80.49	2.51	115	-521.5	0.	10.2	104	84612.	-64	33.00	16.49	36.0	-.61	23.98	.01	.44	.46
82.51	2.15	115	-524.3	0.	3.5	83	85046.	-64	33.00	16.49	36.0	-.61	24.11	.01	.45	.46
84.52	1.81	115	-527.2	0.	4.2	-38	85295.	-64	33.00	16.49	36.0	-.62	24.18	.01	.45	.46
86.53	1.50	115	-530.1	0.	10.2	-54	85368.	-64	33.00	16.49	36.0	-.62	24.20	.01	.45	.46
88.54	1.22	115	-533.0	0.	16.0	-57	85274.	-64	33.00	16.49	36.0	-.62	24.17	.01	.45	.46
90.56	.97	115	-536.0	0.	21.4	-59	85023.	-64	33.00	16.49	36.0	-.63	24.10	.01	.45	.46
92.57	.75	115	-538.9	0.	26.4	-60	84627.	-64	33.00	16.49	36.0	-.63	23.99	.01	.44	.46
94.58	.55	115	-541.9	0.	30.9	-61	84095.	-64	33.00	16.49	36.0	-.63	23.84	.01	.44	.46
96.59	.39	115	-544.9	0.	34.9	-61	83439.	-64	33.00	16.49	36.0	-.64	23.65	.01	.44	.45
98.60	.26	115	-547.9	0.	38.4	-61	82670.	-64	33.00	16.49	36.0	-.64	23.43	.01	.43	.45

*** Group Critical Pile Report II - Group P33 - Pile 200 - Load Case 7 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
100.62	.15	115	-547.5	0.	304.5	-64	81802.	-64	33.00	16.49	36.0	-.64	23.19	.01	.43	.44
102.63	.07	115	-543.8	0.	567.7	-64	74492.	-64	33.00	16.49	36.0	-.64	21.11	.01	.39	.41
104.64	.02	115	-540.2	0.	643.9	-64	60812.	-64	33.00	16.49	36.0	-.63	17.24	.01	.32	.33
106.65	.01	-64	-536.6	0.	603.9	-64	45279.	-64	33.00	16.49	36.0	-.63	12.83	.01	.24	.25
108.67	.03	-64	-533.1	0.	503.0	-64	30704.	-64	33.00	16.49	36.0	-.62	8.70	.01	.16	.18
110.68	.03	-64	-529.7	0.	380.6	-64	18561.	-64	33.00	16.49	36.0	-.62	5.26	.01	.10	.11
112.69	.03	-64	-526.4	0.	262.0	-64	9369.	-64	33.00	16.49	36.0	-.62	2.66	.01	.05	.06
114.70	.03	-64	-523.1	0.	161.2	-64	3039.	-64	33.00	16.49	36.0	-.61	.86	.01	.02	.03
116.72	.02	-64	-519.9	0.	83.6	-64	856.	116	33.00	16.49	36.0	-.61	.24	.01	.00	.02
118.73	.01	-64	-516.8	0.	29.4	-64	2879.	115	33.00	16.49	36.0	-.60	.82	.01	.02	.03
120.74	.01	-64	-513.7	0.	4.5	116	3593.	115	33.00	16.49	36.0	-.60	1.02	.01	.02	.03
122.75	.00	-64	-510.8	0.	22.5	115	3487.	115	33.00	16.49	36.0	-.60	.99	.01	.02	.03
124.77	.00	-64	-507.8	0.	29.3	115	2945.	115	33.00	16.49	36.0	-.59	.83	.01	.02	.03
126.78	.00	0	-505.0	0.	28.9	115	2238.	115	33.00	16.49	36.0	-.59	.63	.01	.01	.03
128.79	.00	115	-502.2	0.	24.7	115	1540.	115	33.00	16.49	36.0	-.59	.44	.01	.01	.02
130.80	.00	115	-499.5	0.	18.9	115	944.	115	33.00	16.49	36.0	-.58	.27	.01	.00	.02
132.81	.00	115	-496.9	0.	13.1	115	488.	115	33.00	16.49	36.0	-.58	.14	.01	.00	.02
134.83	.00	115	-494.3	0.	8.0	115	173.	115	33.00	16.49	36.0	-.58	.05	.01	.00	.01
136.84	.00	115	-491.8	0.	4.2	115	21.	-63	33.00	16.49	36.0	-.57	.01	.01	.00	.01
138.85	.00	115	-489.4	0.	1.5	115	122.	-64	33.00	16.49	36.0	-.57	.03	.01	.00	.01
140.86	.00	115	-487.0	0.	.2	-63	158.	-64	33.00	16.49	36.0	-.57	.04	.01	.00	.01
142.88	.00	90	-484.7	0.	1.0	-64	154.	-64	33.00	16.49	36.0	-.57	.04	.01	.00	.01
144.89	.00	0	-482.4	0.	1.3	-64	129.	-64	33.00	16.49	36.0	-.56	.04	.01	.00	.01
146.90	.00	0	-480.3	0.	1.3	-64	96.	-64	33.00	16.49	36.0	-.56	.03	.01	.00	.01
148.91	.00	0	-478.1	0.	1.1	-64	65.	-64	33.00	16.49	36.0	-.56	.02	.01	.00	.01
150.93	.00	0	-475.8	0.	.8	-64	37.	-64	33.00	16.49	36.0	-.56	.01	.01	.00	.01
152.94	.00	0	-473.3	0.	.5	-64	18.	-64	33.00	16.49	36.0	-.55	.01	.01	.00	.01
154.95	.00	0	-470.8	0.	.2	-64	5.	-64	33.00	16.49	36.0	-.55	.00	.01	.00	.01
156.96	.00	0	-468.4	0.	.1	-64	0.	154	33.00	16.49	36.0	-.55	.00	.01	.00	.01
158.98	.00	0	-466.1	0.	.0	115	1.	115	33.00	16.49	36.0	-.54	.00	.01	.00	.01
160.99	.00	0	-463.8	0.	.0	115	0.	115	33.00	16.49	36.0	-.54	.00	.01	.00	.01

*** Group Critical Pile Report III - Group P33 - Pile 200 - Load Case 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
.00	28.63	88	-374.9	0.	314.4	88	121924.	88	33.00	16.49	36.0	-.44	34.56	.01	.64	.65
2.01	28.15	88	-380.1	0.	313.0	88	114149.	87	33.00	16.49	36.0	-.44	32.35	.01	.60	.61
4.02	27.63	88	-385.3	0.	311.5	88	106391.	87	33.00	16.49	36.0	-.45	30.16	.01	.56	.57
6.04	27.07	88	-390.5	0.	309.8	88	98654.	87	33.00	16.49	36.0	-.46	27.96	.01	.52	.53
8.05	26.47	88	-395.7	0.	308.0	88	90941.	87	33.00	16.49	36.0	-.46	25.78	.01	.48	.49
10.06	25.85	88	-400.9	0.	306.0	88	83257.	87	33.00	16.49	36.0	-.47	23.60	.01	.44	.45
12.07	25.19	88	-406.1	0.	303.9	88	75606.	87	33.00	16.49	36.0	-.47	21.43	.01	.40	.41
14.09	24.51	88	-411.3	0.	301.7	88	67992.	87	33.00	16.49	36.0	-.48	19.27	.01	.36	.37
16.10	23.81	88	-416.5	0.	299.3	88	60418.	87	33.00	16.49	36.0	-.49	17.13	.01	.32	.33
18.11	23.08	88	-421.7	0.	296.8	88	52890.	87	33.00	16.49	36.0	-.49	14.99	.01	.28	.29
20.12	22.34	88	-426.9	0.	294.2	88	45411.	87	33.00	16.49	36.0	-.50	12.87	.01	.24	.25
22.14	21.58	88	-432.1	0.	291.5	88	37984.	87	33.00	16.49	36.0	-.51	10.77	.01	.20	.21
24.15	20.81	88	-437.3	0.	288.7	88	30614.	86	33.00	16.49	36.0	-.51	8.68	.01	.16	.17
26.16	20.03	88	-442.5	0.	285.7	88	23306.	86	33.00	16.49	36.0	-.52	6.61	.01	.12	.13
28.17	19.24	88	-447.7	0.	282.7	88	16064.	85	33.00	16.49	36.0	-.52	4.55	.01	.08	.10
30.19	18.44	88	-452.9	0.	279.6	88	8903.	82	33.00	16.49	36.0	-.53	2.52	.01	.05	.06
32.20	17.64	88	-456.8	0.	270.8	88	1977.	60	33.00	16.49	36.0	-.53	.56	.01	.01	.02
34.21	16.84	88	-459.4	0.	256.6	88	5249.	-81	33.00	16.49	36.0	-.54	1.49	.01	.03	.04
36.22	16.05	88	-461.9	0.	242.6	88	11765.	-86	33.00	16.49	36.0	-.54	3.33	.01	.06	.07
38.23	15.25	88	-464.5	0.	228.9	88	17977.	-88	33.00	16.49	36.0	-.54	5.10	.01	.09	.11
40.25	14.46	88	-467.0	0.	215.3	88	23863.	-89	33.00	16.49	36.0	-.55	6.76	.01	.13	.14
42.26	13.68	88	-469.6	0.	202.1	88	29423.	-89	33.00	16.49	36.0	-.55	8.34	.01	.15	.17
44.27	12.91	88	-472.2	0.	189.1	88	34662.	-90	33.00	16.49	36.0	-.55	9.82	.01	.18	.19
46.28	12.16	88	-474.8	0.	176.3	88	39584.	-90	33.00	16.49	36.0	-.56	11.22	.01	.21	.22
48.30	11.41	88	-477.5	0.	163.9	88	44194.	-90	33.00	16.49	36.0	-.56	12.53	.01	.23	.24
50.31	10.69	88	-480.1	0.	151.7	88	48498.	-90	33.00	16.49	36.0	-.56	13.75	.01	.25	.27
52.32	9.97	88	-482.8	0.	139.7	88	52501.	-90	33.00	16.49	36.0	-.56	14.88	.01	.28	.29
54.33	9.28	88	-485.4	0.	128.1	88	56209.	-90	33.00	16.49	36.0	-.57	15.93	.01	.30	.31
56.35	8.61	88	-488.1	0.	116.7	87	59629.	-90	33.00	16.49	36.0	-.57	16.90	.01	.31	.33
58.36	7.95	88	-490.8	0.	105.7	87	62766.	-90	33.00	16.49	36.0	-.57	17.79	.01	.33	.34
60.37	7.32	88	-493.5	0.	94.9	87	65627.	-90	33.00	16.49	36.0	-.58	18.60	.01	.34	.36
62.38	6.71	88	-496.3	0.	84.5	87	68220.	-90	33.00	16.49	36.0	-.58	19.34	.01	.36	.37
64.40	6.12	88	-499.0	0.	74.3	87	70550.	-90	33.00	16.49	36.0	-.58	20.00	.01	.37	.38
66.41	5.56	88	-501.8	0.	64.5	87	72624.	-91	33.00	16.49	36.0	-.59	20.58	.01	.38	.39
68.42	5.03	88	-504.5	0.	55.0	87	74451.	-91	33.00	16.49	36.0	-.59	21.10	.01	.39	.40
70.43	4.52	88	-507.3	0.	45.9	86	76037.	-91	33.00	16.49	36.0	-.59	21.55	.01	.40	.41
72.44	4.03	88	-510.1	0.	37.1	86	77391.	-91	33.00	16.49	36.0	-.60	21.94	.01	.41	.42
74.46	3.57	88	-512.9	0.	28.7	85	78520.	-91	33.00	16.49	36.0	-.60	22.26	.01	.41	.43
76.47	3.14	88	-515.8	0.	20.6	84	79433.	-91	33.00	16.49	36.0	-.60	22.51	.01	.42	.43
78.48	2.74	88	-518.6	0.	12.9	82	80137.	-91	33.00	16.49	36.0	-.61	22.71	.01	.42	.43
80.49	2.37	88	-521.5	0.	5.7	75	80642.	-91	33.00	16.49	36.0	-.61	22.86	.01	.42	.44
82.51	2.02	88	-524.3	0.	1.9	-46	80958.	-91	33.00	16.49	36.0	-.61	22.95	.01	.42	.44
84.52	1.70	88	-527.2	0.	8.1	-81	81093.	-91	33.00	16.49	36.0	-.62	22.98	.01	.43	.44
86.53	1.41	88	-530.1	0.	14.2	-86	81054.	-91	33.00	16.49	36.0	-.62	22.97	.01	.43	.44
88.54	1.14	88	-533.0	0.	19.9	-87	80853.	-91	33.00	16.49	36.0	-.62	22.92	.01	.42	.44
90.56	.91	88	-536.0	0.	25.2	-88	80500.	-91	33.00	16.49	36.0	-.63	22.82	.01	.42	.44
92.57	.70	88	-538.9	0.	30.1	-88	80003.	-91	33.00	16.49	36.0	-.63	22.68	.01	.42	.43
94.58	.52	88	-541.9	0.	34.5	-89	79375.	-91	33.00	16.49	36.0	-.63	22.50	.01	.42	.43
96.59	.37	88	-544.9	0.	38.4	-89	78626.	-91	33.00	16.49	36.0	-.64	22.29	.01	.41	.43
98.60	.24	88	-547.9	0.	41.8	-89	77768.	-91	33.00	16.49	36.0	-.64	22.04	.01	.41	.42

*** Group Critical Pile Report III - Group P33 - Pile 200 - Load Case 8 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Value (In)	Angle (Deg)			Value	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.62	.14	88	-547.5	0.	290.3	268	76813.	-91	33.00	16.49	36.0	-.64	21.77	.01	.40	.42
102.63	.07	88	-543.8	0.	535.0	268	69843.	-91	33.00	16.49	36.0	-.64	19.80	.01	.37	.38
104.64	.02	88	-540.2	0.	604.9	268	56952.	-91	33.00	16.49	36.0	-.63	16.14	.01	.30	.31
106.65	.01	268	-536.6	0.	566.4	268	42360.	-91	33.00	16.49	36.0	-.63	12.01	.01	.22	.24
108.67	.03	268	-533.1	0.	471.1	268	28692.	-91	33.00	16.49	36.0	-.62	8.13	.01	.15	.17
110.68	.03	268	-529.7	0.	356.1	268	17317.	-91	33.00	16.49	36.0	-.62	4.91	.01	.09	.11
112.69	.03	268	-526.4	0.	244.9	268	8717.	-91	33.00	16.49	36.0	-.62	2.47	.01	.05	.06
114.70	.02	268	-523.1	0.	150.4	268	2800.	-91	33.00	16.49	36.0	-.61	.79	.01	.01	.03
116.72	.02	268	-519.9	0.	77.9	268	835.	89	33.00	16.49	36.0	-.61	.24	.01	.00	.02
118.73	.01	268	-516.8	0.	27.2	268	2718.	88	33.00	16.49	36.0	-.60	.77	.01	.01	.03
120.74	.01	268	-513.7	0.	4.5	89	3377.	88	33.00	16.49	36.0	-.60	.96	.01	.02	.03
122.75	.00	268	-510.8	0.	21.3	88	3271.	88	33.00	16.49	36.0	-.60	.93	.01	.02	.03
124.77	.00	-90	-507.8	0.	27.5	88	2759.	88	33.00	16.49	36.0	-.59	.78	.01	.01	.03
126.78	.00	0	-505.0	0.	27.1	88	2095.	88	33.00	16.49	36.0	-.59	.59	.01	.01	.02
128.79	.00	90	-502.2	0.	23.1	88	1440.	88	33.00	16.49	36.0	-.59	.41	.01	.01	.02
130.80	.00	90	-499.5	0.	17.7	88	881.	88	33.00	16.49	36.0	-.58	.25	.01	.00	.02
132.81	.00	90	-496.9	0.	12.2	88	455.	88	33.00	16.49	36.0	-.58	.13	.01	.00	.02
134.83	.00	90	-494.3	0.	7.5	88	160.	88	33.00	16.49	36.0	-.58	.05	.01	.00	.01
136.84	.00	90	-491.8	0.	3.9	88	21.	-90	33.00	16.49	36.0	-.57	.01	.01	.00	.01
138.85	.00	90	-489.4	0.	1.4	88	115.	-91	33.00	16.49	36.0	-.57	.03	.01	.00	.01
140.86	.00	90	-487.0	0.	.2	269	148.	-91	33.00	16.49	36.0	-.57	.04	.01	.00	.01
142.88	.00	90	-484.7	0.	1.0	268	144.	-91	33.00	16.49	36.0	-.57	.04	.01	.00	.01
144.89	.00	0	-482.4	0.	1.3	268	121.	-91	33.00	16.49	36.0	-.56	.03	.01	.00	.01
146.90	.00	0	-480.3	0.	1.2	268	90.	-91	33.00	16.49	36.0	-.56	.03	.01	.00	.01
148.91	.00	0	-478.1	0.	1.1	268	60.	-91	33.00	16.49	36.0	-.56	.02	.01	.00	.01
150.93	.00	0	-475.8	0.	.8	268	35.	-91	33.00	16.49	36.0	-.56	.01	.01	.00	.01
152.94	.00	0	-473.3	0.	.5	268	16.	-91	33.00	16.49	36.0	-.55	.00	.01	.00	.01
154.95	.00	0	-470.8	0.	.2	268	5.	-91	33.00	16.49	36.0	-.55	.00	.01	.00	.01
156.96	.00	0	-468.4	0.	.1	268	0.	97	33.00	16.49	36.0	-.55	.00	.01	.00	.01
158.98	.00	0	-466.1	0.	.0	88	1.	88	33.00	16.49	36.0	-.54	.00	.01	.00	.01
160.99	.00	0	-463.8	0.	.0	88	0.	88	33.00	16.49	36.0	-.54	.00	.01	.00	.01

*** Pile Group Summary Report - Group P42 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Load Case	Pile Joint	Unity Check
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT (Lbs)	Fy (KSI)					
.00	33.93	93	-4212.1	0.	205.7	92	126391.	92	42.00	1.75	36.0	-19.03	59.12	6	182	1.54
2.00	33.32	93	-4213.2	0.	203.9	92	118906.	92	42.00	1.75	36.0	-19.04	55.62	6	182	1.47
4.00	32.67	93	-4214.2	0.	202.1	92	111240.	92	42.00	1.75	36.0	-19.04	52.03	6	182	1.40
6.00	31.96	93	-4215.3	0.	200.0	92	103411.	92	42.00	1.75	36.0	-19.05	48.37	6	182	1.34
8.00	31.21	93	-4216.3	0.	197.8	92	95439.	92	42.00	1.75	36.0	-19.05	44.64	6	182	1.27
10.00	30.41	93	-4217.3	0.	195.4	92	87340.	92	42.00	1.75	36.0	-19.06	40.85	6	182	1.20
12.00	29.58	93	-4218.3	0.	192.9	92	79136.	92	42.00	1.75	36.0	-19.06	37.02	6	182	1.13
14.00	28.71	93	-4219.3	0.	190.2	92	70843.	92	42.00	1.75	36.0	-19.07	33.14	6	182	1.06
16.00	27.81	93	-4220.2	0.	187.4	92	62482.	91	42.00	1.75	36.0	-19.07	29.23	6	182	.98
18.00	26.88	92	-4221.2	0.	184.4	92	54072.	91	42.00	1.75	36.0	-19.08	25.29	6	182	.91
20.00	25.93	92	-4222.1	0.	181.3	92	45630.	91	42.00	1.75	36.0	-19.08	21.34	6	182	.84
22.00	24.96	92	-4223.0	0.	178.1	92	37178.	91	42.00	1.75	36.0	-19.08	17.39	6	182	.76
24.00	23.97	92	-4223.8	0.	174.8	92	28733.	91	42.00	1.75	36.0	-19.09	13.44	6	182	.69
26.00	22.97	92	-4224.7	0.	171.4	92	20316.	90	42.00	1.75	36.0	-19.09	9.50	6	182	.62
28.00	21.96	92	-4225.5	0.	167.8	92	11950.	88	42.00	1.75	36.0	-19.10	5.59	6	182	.55
30.00	20.94	92	-4226.3	0.	164.2	92	3705.	79	42.00	1.75	36.0	-19.10	1.73	6	182	.47
32.00	19.93	92	-4227.1	0.	160.4	92	4712.	-76	42.00	1.75	36.0	-19.10	2.20	6	182	.48
34.00	18.91	92	-4228.3	0.	149.9	92	12800.	-83	42.00	1.75	36.0	-19.10	5.99	6	182	.55
36.00	17.90	92	-4228.8	0.	132.9	92	20650.	-84	42.00	1.75	36.0	-19.09	9.66	6	182	.62
38.00	16.90	92	-4221.3	0.	116.3	92	28059.	-85	42.00	1.75	36.0	-19.08	13.12	6	182	.68
40.00	15.92	92	-4218.6	0.	100.1	91	35017.	-85	42.00	1.75	36.0	-19.06	16.38	6	182	.74
42.00	14.94	92	-4215.8	0.	84.1	91	41517.	-86	42.00	1.75	36.0	-19.05	19.42	6	182	.80
44.00	13.99	92	-4212.9	0.	68.6	91	47556.	-86	42.00	1.75	36.0	-19.04	22.24	6	182	.85
46.00	13.06	92	-4210.0	0.	53.3	91	53129.	-86	42.00	1.75	36.0	-19.02	24.85	6	182	.90
48.00	12.15	92	-4206.9	0.	38.5	90	58236.	-86	42.00	1.75	36.0	-19.01	27.24	6	182	.94
50.00	11.26	92	-4203.7	0.	24.0	88	62875.	-86	42.00	1.75	36.0	-19.00	29.41	6	182	.98
52.00	10.41	92	-4200.4	0.	9.9	83	67046.	-86	42.00	1.75	36.0	-18.98	31.36	6	182	1.02
54.00	9.58	92	-4197.0	0.	4.2	-64	70751.	-86	42.00	1.75	36.0	-18.97	33.09	6	182	1.05
56.00	8.79	92	-4193.5	0.	17.3	-81	73993.	-86	42.00	1.75	36.0	-18.95	34.61	6	182	1.08
58.00	8.03	92	-4189.9	0.	30.3	-84	76775.	-86	42.00	1.75	36.0	-18.93	35.91	6	182	1.10
60.00	7.30	92	-4186.2	0.	42.8	-85	79101.	-86	42.00	1.75	36.0	-18.92	37.00	6	182	1.12
62.00	6.60	92	-4182.3	0.	54.9	-85	80977.	-86	42.00	1.75	36.0	-18.90	37.88	6	182	1.14
64.00	5.95	92	-4178.4	0.	66.6	-85	82410.	-86	42.00	1.75	36.0	-18.88	38.55	6	182	1.15
66.00	5.32	92	-4174.4	0.	77.8	-86	83407.	-86	42.00	1.75	36.0	-18.86	39.01	6	182	1.16
68.00	4.74	92	-4170.3	0.	88.7	-86	83978.	-86	42.00	1.75	36.0	-18.85	39.28	6	182	1.16
70.00	4.19	92	-4166.1	0.	99.1	-86	84132.	-86	42.00	1.75	36.0	-18.83	39.35	6	182	1.16
72.00	3.68	92	-4161.7	0.	109.0	-86	83878.	-86	42.00	1.75	36.0	-18.81	39.23	6	182	1.16
74.00	3.21	92	-4157.3	0.	118.4	-86	83229.	-87	42.00	1.75	36.0	-18.79	38.93	6	182	1.16
76.00	2.77	92	-4152.8	0.	127.4	-86	82200.	-87	42.00	1.75	36.0	-18.77	38.45	6	182	1.15
78.00	2.37	92	-4148.1	0.	136.0	-86	80802.	-87	42.00	1.75	36.0	-18.75	37.79	6	182	1.13
80.00	2.01	92	-4143.4	0.	144.1	-86	79048.	-87	42.00	1.75	36.0	-18.72	36.97	6	182	1.12
82.00	1.68	92	-4138.5	0.	151.7	-86	76952.	-87	42.00	1.75	36.0	-18.70	35.99	6	182	1.10
84.00	1.39	92	-4133.6	0.	158.9	-86	74531.	-87	42.00	1.75	36.0	-18.68	34.86	6	182	1.08
86.00	1.12	92	-4128.5	0.	165.6	-86	71802.	-87	42.00	1.75	36.0	-18.66	33.58	6	182	1.05
88.00	.89	92	-4123.4	0.	171.8	-86	68779.	-87	42.00	1.75	36.0	-18.63	32.17	6	182	1.03
90.00	.69	92	-4118.1	0.	177.4	-86	65482.	-87	42.00	1.75	36.0	-18.61	30.63	6	182	1.00
92.00	.52	92	-4112.8	0.	182.6	-86	61928.	-87	42.00	1.75	36.0	-18.59	28.97	6	182	.97
94.00	.38	92	-4107.3	0.	187.2	-86	58136.	-87	42.00	1.75	36.0	-18.56	27.19	6	182	.93
96.00	.26	92	-4101.8	0.	191.4	-86	54127.	-87	42.00	1.75	36.0	-18.54	25.32	6	182	.90
98.00	.17	92	-4096.1	0.	194.0	-86	49919.	-87	42.00	1.75	36.0	-18.51	23.35	6	182	.86

*** Pile Group Summary Report - Group P42 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Load Case	Pile Joint	Unity Check
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD /--- (In)	WT --/-----	Fy (KSI)					
100.00	.10	92	-4090.4	0.	195.5	-86	45558.	-87	42.00	1.75	36.0	-18.48	21.31	6	182	.82
102.00	.04	92	-3994.1	0.	348.7	-87	41077.	-87	42.00	1.75	36.0	-18.05	19.21	6	182	.77
104.00	.01	91	-3899.9	0.	383.7	-87	32844.	-87	42.00	1.75	36.0	-17.62	15.36	6	182	.69
106.00	.01	-86	-3807.7	0.	348.6	-87	23711.	-87	42.00	1.75	36.0	-17.21	11.09	6	182	.60
108.00	.02	-87	-3717.5	0.	279.8	-87	15378.	-87	42.00	1.75	36.0	-16.80	7.19	6	182	.52
110.00	.02	-87	-3629.2	0.	202.3	-87	8671.	-87	42.00	1.75	36.0	-16.40	4.06	6	182	.45
112.00	.02	-87	-3542.8	0.	131.1	-87	3809.	-87	42.00	1.75	36.0	-16.01	1.78	6	182	.40
114.00	.01	-87	-3458.3	0.	73.6	-87	650.	-89	42.00	1.75	36.0	-15.63	.30	6	182	.37
116.00	.01	-87	-3375.5	0.	31.9	-87	1129.	93	42.00	1.75	36.0	-15.25	.53	6	182	.36
118.00	.01	-87	-3294.5	0.	4.8	-89	1906.	92	42.00	1.75	36.0	-14.89	.89	6	182	.36
120.00	.00	-87	-3215.2	0.	10.3	93	2031.	92	42.00	1.75	36.0	-14.53	.95	6	182	.35
122.00	.00	-90	-3137.6	0.	16.8	92	1790.	92	42.00	1.75	36.0	-14.18	.84	6	182	.34
124.00	.00	-90	-3061.6	0.	17.7	92	1390.	92	42.00	1.75	36.0	-13.84	.65	6	182	.33
126.00	.00	90	-2987.2	0.	15.5	92	966.	92	42.00	1.75	36.0	-13.50	.45	6	182	.32
128.00	.00	90	-2914.3	0.	11.9	92	595.	92	42.00	1.75	36.0	-13.17	.28	6	182	.31
130.00	.00	90	-2843.0	0.	8.2	92	308.	92	42.00	1.75	36.0	-12.85	.14	6	182	.30
132.00	.00	90	-2773.1	0.	5.0	92	111.	91	42.00	1.75	36.0	-12.53	.05	6	182	.29
134.00	.00	90	-2704.6	0.	2.5	92	9.	-83	42.00	1.75	36.0	-12.22	.00	6	182	.28
136.00	.00	90	-2637.6	0.	.8	91	69.	-87	42.00	1.75	36.0	-11.92	.03	6	182	.28
138.00	.00	90	-2571.9	0.	.2	-85	90.	-87	42.00	1.75	36.0	-11.62	.04	6	182	.27
140.00	.00	90	-2507.6	0.	.7	-87	86.	-87	42.00	1.75	36.0	-11.33	.04	6	182	.26
142.00	.00	0	-2444.6	0.	.8	-87	70.	-87	42.00	1.75	36.0	-11.05	.03	6	182	.26
144.00	.00	0	-2382.8	0.	.8	-87	50.	-87	42.00	1.75	36.0	-10.77	.02	6	182	.25
146.00	.00	0	-2322.3	0.	.6	-87	32.	-87	42.00	1.75	36.0	-10.49	.02	6	182	.24
148.00	.00	0	-2263.0	0.	.4	-87	17.	-87	42.00	1.75	36.0	-10.23	.01	6	182	.24
150.00	.00	0	-2204.8	0.	.3	-87	7.	-87	42.00	1.75	36.0	-9.96	.00	6	182	.23
152.00	.00	0	-2145.7	0.	.1	-87	0.	-94	42.00	1.75	36.0	-9.70	.00	6	182	.22
154.00	.00	0	-2085.7	0.	.0	-88	3.	92	42.00	1.75	36.0	-9.43	.00	6	182	.22
156.00	.00	0	-2026.9	0.	.0	93	4.	92	42.00	1.75	36.0	-9.16	.00	6	182	.21
158.00	.00	0	-1969.1	0.	.0	92	4.	92	42.00	1.75	36.0	-8.90	.00	6	182	.21
160.00	.00	0	-1912.5	0.	.0	92	3.	92	42.00	1.75	36.0	-8.64	.00	6	182	.20
162.00	.00	0	-1856.9	0.	.0	92	2.	92	42.00	1.75	36.0	-8.39	.00	6	182	.19
164.00	.00	0	-1802.4	0.	.0	92	1.	92	42.00	1.75	36.0	-8.15	.00	6	182	.19
166.00	.00	0	-1748.9	0.	.0	92	0.	92	42.00	1.75	36.0	-7.90	.00	6	182	.18
168.00	.00	0	-1696.3	0.	.0	92	0.	91	42.00	1.75	36.0	-7.67	.00	6	182	.18
170.00	.00	0	-1644.6	0.	.0	92	0.	-86	42.00	1.50	36.0	-8.62	.00	6	182	.20
172.00	.00	0	-1593.8	0.	.0	90	0.	-87	42.00	1.50	36.0	-8.35	.00	6	182	.19
174.00	.00	0	-1544.1	0.	.0	-90	0.	-87	42.00	1.50	36.0	-8.09	.00	6	182	.19
176.00	.00	0	-1495.3	0.	.0	-90	0.	-87	42.00	1.50	36.0	-7.84	.00	6	182	.18
178.00	.00	0	-1447.6	0.	.0	-90	0.	-87	42.00	1.50	36.0	-7.58	.00	6	182	.18
180.00	.00	0	-1400.6	0.	.0	-90	0.	-87	42.00	1.25	36.0	-8.75	.00	6	182	.20
182.00	.00	0	-1354.6	0.	.0	-90	0.	-87	42.00	1.25	36.0	-8.47	.00	6	182	.20
184.00	.00	0	-1309.7	0.	.0	-90	0.	-88	42.00	1.25	36.0	-8.18	.00	6	182	.19
186.00	.00	0	-1265.8	0.	.0	-90	0.	93	42.00	1.25	36.0	-7.91	.00	6	182	.18
188.00	.00	0	-1222.8	0.	.0	0	0.	92	42.00	1.25	36.0	-7.64	.00	6	182	.18
190.00	.00	0	-1180.7	0.	.0	0	0.	92	42.00	1.00	36.0	-9.17	.00	6	182	.21
192.00	.00	0	-1139.6	0.	.0	0	0.	92	42.00	1.00	36.0	-8.85	.00	6	182	.20
194.00	.00	0	-1099.6	0.	.0	0	0.	92	42.00	1.00	36.0	-8.54	.00	6	182	.20
196.00	.00	0	-1060.6	0.	.0	0	0.	92	42.00	1.00	36.0	-8.23	.00	6	182	.19
198.00	.00	0	-1022.7	0.	.0	0	0.	91	42.00	1.00	36.0	-7.94	.00	6	182	.18

*** Pile Group Summary Report - Group P42 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Load Case	Pile Joint	Unity Check
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy					
200.00	.00	0	-985.7	0.	.0	0	0.	-86	42.00	1.00	36.0	-7.65	.00	6	182	.18
202.00	.00	0	-949.7	0.	.0	0	0.	-87	42.00	1.00	36.0	-7.37	.00	6	182	.17
204.00	.00	0	-914.6	0.	.0	0	0.	-87	42.00	1.00	36.0	-7.10	.00	6	182	.16
206.00	.00	0	-880.3	0.	.0	0	0.	-87	42.00	1.00	36.0	-6.83	.00	6	182	.16
208.00	.00	0	-846.9	0.	.0	0	0.	-87	42.00	1.00	36.0	-6.58	.00	6	182	.15
210.00	.00	0	-814.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-6.32	.00	6	182	.15
212.00	.00	0	-782.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-6.08	.00	6	182	.14
214.00	.00	0	-751.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.83	.00	6	182	.13
216.00	.00	0	-720.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.59	.00	6	182	.13
218.00	.00	0	-689.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.35	.00	6	182	.12
220.00	.00	0	-659.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.12	.00	6	182	.12
222.00	.00	0	-630.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.89	.00	6	182	.11
224.00	.00	0	-601.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.67	.00	6	182	.11
226.00	.00	0	-572.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.44	.00	6	182	.10
228.00	.00	0	-544.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.22	.00	6	182	.10
230.00	.00	0	-516.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.01	.00	6	182	.09
232.00	.00	0	-488.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.79	.00	6	182	.09
234.00	.00	0	-461.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.58	.00	6	182	.08
236.00	.00	0	-434.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.37	.00	6	182	.08
238.00	.00	0	-407.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.17	.00	6	182	.07
240.00	.00	0	-381.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.96	.00	6	182	.07
242.00	.00	0	-355.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.76	.00	6	182	.06
244.00	.00	0	-329.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.56	.00	6	182	.06
246.00	.00	0	-304.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.36	.00	6	182	.05
248.00	.00	0	-278.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.16	.00	6	182	.05
250.00	.00	0	-253.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.97	.00	6	182	.05
252.00	.00	0	-228.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.77	.00	6	182	.04
254.00	.00	0	-203.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.58	.00	6	182	.04
256.00	.00	0	-178.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.39	.00	6	182	.03
258.00	.00	0	-154.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.20	.00	6	182	.03
260.00	.00	0	-129.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.01	.00	6	182	.02
262.00	.00	0	-105.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.82	.00	6	182	.02
264.00	.00	0	-80.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.63	.00	6	182	.01
266.00	.00	0	-56.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.44	.00	6	182	.01
268.00	.00	0	-32.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.25	.00	6	182	.01

*** Group Critical Pile Report I - Group P42 - Pile 182 - Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Axial	Bend.	Total
.00	33.93	93	-4212.1	0.	205.7	92	126391.	92	42.00	1.75	36.0	-19.03	59.12	.44	1.09	1.54
2.00	33.32	93	-4213.2	0.	203.9	92	118906.	92	42.00	1.75	36.0	-19.04	55.62	.44	1.03	1.47
4.00	32.67	93	-4214.2	0.	202.1	92	111240.	92	42.00	1.75	36.0	-19.04	52.09	.44	.96	1.40
6.00	31.96	93	-4215.3	0.	200.0	92	103411.	92	42.00	1.75	36.0	-19.05	48.37	.44	.90	1.34
8.00	31.21	93	-4216.3	0.	197.8	92	95439.	92	42.00	1.75	36.0	-19.05	44.64	.44	.83	1.27
10.00	30.41	93	-4217.3	0.	195.4	92	87340.	92	42.00	1.75	36.0	-19.06	40.85	.44	.76	1.20
12.00	29.58	93	-4218.3	0.	192.9	92	79136.	92	42.00	1.75	36.0	-19.06	37.02	.44	.69	1.13
14.00	28.71	93	-4219.3	0.	190.2	92	70843.	92	42.00	1.75	36.0	-19.07	33.14	.44	.61	1.06
16.00	27.81	93	-4220.2	0.	187.4	92	62482.	91	42.00	1.75	36.0	-19.07	29.23	.44	.54	.98
18.00	26.88	92	-4221.2	0.	184.4	92	54072.	91	42.00	1.75	36.0	-19.08	25.29	.44	.47	.91
20.00	25.93	92	-4222.1	0.	181.3	92	45630.	91	42.00	1.75	36.0	-19.08	21.34	.44	.40	.84
22.00	24.96	92	-4223.0	0.	178.1	92	37178.	91	42.00	1.75	36.0	-19.08	17.39	.44	.32	.76
24.00	23.97	92	-4223.8	0.	174.8	92	28733.	91	42.00	1.75	36.0	-19.09	13.44	.44	.25	.69
26.00	22.97	92	-4224.7	0.	171.4	92	20316.	90	42.00	1.75	36.0	-19.09	9.50	.44	.18	.62
28.00	21.96	92	-4225.5	0.	167.8	92	11950.	88	42.00	1.75	36.0	-19.10	5.59	.44	.10	.55
30.00	20.94	92	-4226.3	0.	164.2	92	3705.	79	42.00	1.75	36.0	-19.10	1.73	.44	.03	.47
32.00	19.93	92	-4227.1	0.	160.4	92	4712.	-76	42.00	1.75	36.0	-19.10	2.20	.44	.04	.48
34.00	18.91	92	-4226.3	0.	149.9	92	12800.	-83	42.00	1.75	36.0	-19.10	5.99	.44	.11	.55
36.00	17.90	92	-4223.8	0.	132.9	92	20650.	-84	42.00	1.75	36.0	-19.09	9.66	.44	.18	.62
38.00	16.90	92	-4221.3	0.	116.3	92	28059.	-85	42.00	1.75	36.0	-19.08	13.12	.44	.24	.68
40.00	15.92	92	-4218.6	0.	100.1	91	35017.	-85	42.00	1.75	36.0	-19.06	16.38	.44	.30	.74
42.00	14.94	92	-4215.8	0.	84.1	91	41517.	-86	42.00	1.75	36.0	-19.05	19.42	.44	.36	.80
44.00	13.99	92	-4212.9	0.	68.6	91	47556.	-86	42.00	1.75	36.0	-19.04	22.24	.44	.41	.85
46.00	13.06	92	-4210.0	0.	53.3	91	53129.	-86	42.00	1.75	36.0	-19.02	24.85	.44	.46	.90
48.00	12.15	92	-4206.9	0.	38.5	90	58236.	-86	42.00	1.75	36.0	-19.01	27.24	.44	.50	.94
50.00	11.26	92	-4203.7	0.	24.0	88	62875.	-86	42.00	1.75	36.0	-19.00	29.41	.44	.54	.98
52.00	10.41	92	-4200.4	0.	9.9	83	67046.	-86	42.00	1.75	36.0	-18.98	31.36	.44	.58	1.02
54.00	9.58	92	-4197.0	0.	4.2	-64	70751.	-86	42.00	1.75	36.0	-18.97	33.09	.44	.61	1.05
56.00	8.79	92	-4193.5	0.	17.3	-81	73993.	-86	42.00	1.75	36.0	-18.95	34.61	.44	.64	1.08
58.00	8.03	92	-4189.9	0.	30.3	-84	76775.	-86	42.00	1.75	36.0	-18.93	35.91	.44	.67	1.10
60.00	7.30	92	-4186.2	0.	42.8	-85	79101.	-86	42.00	1.75	36.0	-18.92	37.00	.44	.69	1.12
62.00	6.60	92	-4182.3	0.	54.9	-85	80977.	-86	42.00	1.75	36.0	-18.90	37.88	.44	.70	1.14
64.00	5.95	92	-4178.4	0.	66.6	-85	82410.	-86	42.00	1.75	36.0	-18.88	38.55	.44	.71	1.15
66.00	5.32	92	-4174.4	0.	77.8	-86	83407.	-86	42.00	1.75	36.0	-18.86	39.01	.44	.72	1.16
68.00	4.74	92	-4170.3	0.	88.7	-86	83978.	-86	42.00	1.75	36.0	-18.85	39.28	.44	.73	1.16
70.00	4.19	92	-4166.1	0.	99.1	-86	84132.	-86	42.00	1.75	36.0	-18.83	39.35	.44	.73	1.16
72.00	3.68	92	-4161.7	0.	109.0	-86	83878.	-86	42.00	1.75	36.0	-18.81	39.23	.44	.73	1.16
74.00	3.21	92	-4157.3	0.	118.4	-86	83229.	-87	42.00	1.75	36.0	-18.79	38.93	.43	.72	1.16
76.00	2.77	92	-4152.8	0.	127.4	-86	82200.	-87	42.00	1.75	36.0	-18.77	38.45	.43	.71	1.15
78.00	2.37	92	-4148.1	0.	136.0	-86	80802.	-87	42.00	1.75	36.0	-18.75	37.79	.43	.70	1.13
80.00	2.01	92	-4143.4	0.	144.1	-86	79048.	-87	42.00	1.75	36.0	-18.72	36.97	.43	.68	1.12
82.00	1.68	92	-4138.5	0.	151.7	-86	76952.	-87	42.00	1.75	36.0	-18.70	35.99	.43	.67	1.10
84.00	1.39	92	-4133.6	0.	158.9	-86	74531.	-87	42.00	1.75	36.0	-18.68	34.86	.43	.65	1.08
86.00	1.12	92	-4128.5	0.	165.6	-86	71802.	-87	42.00	1.75	36.0	-18.66	33.58	.43	.62	1.05
88.00	.89	92	-4123.4	0.	171.8	-86	68779.	-87	42.00	1.75	36.0	-18.63	32.17	.43	.60	1.03
90.00	.69	92	-4118.1	0.	177.4	-86	65482.	-87	42.00	1.75	36.0	-18.61	30.63	.43	.57	1.00
92.00	.52	92	-4112.8	0.	182.6	-86	61928.	-87	42.00	1.75	36.0	-18.59	28.97	.43	.54	.97
94.00	.38	92	-4107.3	0.	187.2	-86	58136.	-87	42.00	1.75	36.0	-18.56	27.19	.43	.50	.93
96.00	.26	92	-4101.8	0.	191.4	-86	54127.	-87	42.00	1.75	36.0	-18.54	25.32	.43	.47	.90
98.00	.17	92	-4096.1	0.	194.0	-86	49919.	-87	42.00	1.75	36.0	-18.51	23.35	.43	.43	.86

*** Group Critical Pile Report I - Group P42 - Pile 182 - Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (Kips)	Angle (Deg)	OD (In)	WT (In)	Fy (KSI)			Axial	Bend.	Total
100.00	.10	92	-4090.4	0.	195.5	-86	45558.	-87	42.00	1.75	36.0	-18.48	21.31	.43	.39	.82
102.00	.04	92	-3994.1	0.	348.7	-87	41077.	-87	42.00	1.75	36.0	-18.05	19.21	.42	.36	.77
104.00	.01	91	-3899.9	0.	383.7	-87	32844.	-87	42.00	1.75	36.0	-17.62	15.36	.41	.28	.69
106.00	.01	-86	-3807.7	0.	348.6	-87	23711.	-87	42.00	1.75	36.0	-17.21	11.09	.40	.21	.60
108.00	.02	-87	-3717.5	0.	279.8	-87	15378.	-87	42.00	1.75	36.0	-16.80	7.19	.39	.13	.52
110.00	.02	-87	-3629.2	0.	202.3	-87	8671.	-87	42.00	1.75	36.0	-16.40	4.06	.38	.08	.45
112.00	.02	-87	-3542.8	0.	131.1	-87	3809.	-87	42.00	1.75	36.0	-16.01	1.78	.37	.03	.40
114.00	.01	-87	-3458.3	0.	73.6	-87	650.	-89	42.00	1.75	36.0	-15.63	.30	.36	.01	.37
116.00	.01	-87	-3375.5	0.	31.9	-87	1129.	93	42.00	1.75	36.0	-15.25	.53	.35	.01	.36
118.00	.01	-87	-3294.5	0.	4.8	-89	1906.	92	42.00	1.75	36.0	-14.89	.89	.34	.02	.36
120.00	.00	-87	-3215.2	0.	10.3	93	2031.	92	42.00	1.75	36.0	-14.53	.95	.34	.02	.35
122.00	.00	-90	-3137.6	0.	16.8	92	1790.	92	42.00	1.75	36.0	-14.18	.84	.33	.02	.34
124.00	.00	-90	-3061.6	0.	17.7	92	1390.	92	42.00	1.75	36.0	-13.84	.65	.32	.01	.33
126.00	.00	90	-2987.2	0.	15.5	92	966.	92	42.00	1.75	36.0	-13.50	.45	.31	.01	.32
128.00	.00	90	-2914.3	0.	11.9	92	595.	92	42.00	1.75	36.0	-13.17	.28	.30	.01	.31
130.00	.00	90	-2843.0	0.	8.2	92	308.	92	42.00	1.75	36.0	-12.85	.14	.30	.00	.30
132.00	.00	90	-2773.1	0.	5.0	92	111.	91	42.00	1.75	36.0	-12.53	.05	.29	.00	.29
134.00	.00	90	-2704.6	0.	2.5	92	9.	-83	42.00	1.75	36.0	-12.22	.00	.28	.00	.28
136.00	.00	90	-2637.6	0.	.8	91	69.	-87	42.00	1.75	36.0	-11.92	.03	.28	.00	.28
138.00	.00	90	-2571.9	0.	.2	-85	90.	-87	42.00	1.75	36.0	-11.62	.04	.27	.00	.27
140.00	.00	90	-2507.6	0.	.7	-87	86.	-87	42.00	1.75	36.0	-11.33	.04	.26	.00	.26
142.00	.00	0	-2444.6	0.	.8	-87	70.	-87	42.00	1.75	36.0	-11.05	.03	.26	.00	.26
144.00	.00	0	-2382.8	0.	.8	-87	50.	-87	42.00	1.75	36.0	-10.77	.02	.25	.00	.25
146.00	.00	0	-2322.3	0.	.6	-87	32.	-87	42.00	1.75	36.0	-10.49	.02	.24	.00	.24
148.00	.00	0	-2263.0	0.	.4	-87	17.	-87	42.00	1.75	36.0	-10.23	.01	.24	.00	.24
150.00	.00	0	-2204.8	0.	.3	-87	7.	-87	42.00	1.75	36.0	-9.96	.00	.23	.00	.23
152.00	.00	0	-2145.7	0.	.1	-87	0.	-94	42.00	1.75	36.0	-9.70	.00	.22	.00	.22
154.00	.00	0	-2085.7	0.	.0	-88	3.	92	42.00	1.75	36.0	-9.43	.00	.22	.00	.22
156.00	.00	0	-2026.9	0.	.0	93	4.	92	42.00	1.75	36.0	-9.16	.00	.21	.00	.21
158.00	.00	0	-1969.1	0.	.0	92	4.	92	42.00	1.75	36.0	-8.90	.00	.21	.00	.21
160.00	.00	0	-1912.5	0.	.0	92	3.	92	42.00	1.75	36.0	-8.64	.00	.20	.00	.20
162.00	.00	0	-1856.9	0.	.0	92	2.	92	42.00	1.75	36.0	-8.39	.00	.19	.00	.19
164.00	.00	0	-1802.4	0.	.0	92	1.	92	42.00	1.75	36.0	-8.15	.00	.19	.00	.19
166.00	.00	0	-1748.9	0.	.0	92	0.	92	42.00	1.75	36.0	-7.90	.00	.18	.00	.18
168.00	.00	0	-1696.3	0.	.0	92	0.	91	42.00	1.75	36.0	-7.67	.00	.18	.00	.18
170.00	.00	0	-1644.6	0.	.0	92	0.	-86	42.00	1.50	36.0	-8.62	.00	.20	.00	.20
172.00	.00	0	-1593.8	0.	.0	90	0.	-87	42.00	1.50	36.0	-8.35	.00	.19	.00	.19
174.00	.00	0	-1544.1	0.	.0	-90	0.	-87	42.00	1.50	36.0	-8.09	.00	.19	.00	.19
176.00	.00	0	-1495.3	0.	.0	-90	0.	-87	42.00	1.50	36.0	-7.84	.00	.18	.00	.18
178.00	.00	0	-1447.6	0.	.0	-90	0.	-87	42.00	1.50	36.0	-7.58	.00	.18	.00	.18
180.00	.00	0	-1400.6	0.	.0	-90	0.	-87	42.00	1.25	36.0	-8.75	.00	.20	.00	.20
182.00	.00	0	-1354.6	0.	.0	-90	0.	-87	42.00	1.25	36.0	-8.47	.00	.20	.00	.20
184.00	.00	0	-1309.7	0.	.0	-90	0.	-88	42.00	1.25	36.0	-8.18	.00	.19	.00	.19
186.00	.00	0	-1265.8	0.	.0	-90	0.	93	42.00	1.25	36.0	-7.91	.00	.18	.00	.18
188.00	.00	0	-1222.8	0.	.0	0	0.	92	42.00	1.25	36.0	-7.64	.00	.18	.00	.18
190.00	.00	0	-1180.7	0.	.0	0	0.	92	42.00	1.00	36.0	-9.17	.00	.21	.00	.21
192.00	.00	0	-1139.6	0.	.0	0	0.	92	42.00	1.00	36.0	-8.85	.00	.20	.00	.20
194.00	.00	0	-1099.6	0.	.0	0	0.	92	42.00	1.00	36.0	-8.54	.00	.20	.00	.20
196.00	.00	0	-1060.6	0.	.0	0	0.	92	42.00	1.00	36.0	-8.23	.00	.19	.00	.19
198.00	.00	0	-1022.7	0.	.0	0	0.	91	42.00	1.00	36.0	-7.94	.00	.18	.00	.18

*** Group Critical Pile Report I - Group P42 - Pile 1B2 - Load Case 6 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values			
	Normal To Pile Value (In)	Angle (Deg)		Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT			Fy (KSI)	Axial	Bend.	Total
200.00	.00	0	-985.7	0.	.0	0	0.	-86	42.00	1.00	36.0	-7.65	.00	.18	.00	.18
202.00	.00	0	-949.7	0.	.0	0	0.	-87	42.00	1.00	36.0	-7.37	.00	.17	.00	.17
204.00	.00	0	-914.6	0.	.0	0	0.	-87	42.00	1.00	36.0	-7.10	.00	.16	.00	.16
206.00	.00	0	-880.3	0.	.0	0	0.	-87	42.00	1.00	36.0	-6.83	.00	.16	.00	.16
208.00	.00	0	-846.9	0.	.0	0	0.	-87	42.00	1.00	36.0	-6.58	.00	.15	.00	.15
210.00	.00	0	-814.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-6.32	.00	.15	.00	.15
212.00	.00	0	-782.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-6.08	.00	.14	.00	.14
214.00	.00	0	-751.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.83	.00	.13	.00	.13
216.00	.00	0	-720.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.59	.00	.13	.00	.13
218.00	.00	0	-689.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.35	.00	.12	.00	.12
220.00	.00	0	-659.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.12	.00	.12	.00	.12
222.00	.00	0	-630.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.89	.00	.11	.00	.11
224.00	.00	0	-601.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.67	.00	.11	.00	.11
226.00	.00	0	-572.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.44	.00	.10	.00	.10
228.00	.00	0	-544.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.22	.00	.10	.00	.10
230.00	.00	0	-516.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.01	.00	.09	.00	.09
232.00	.00	0	-488.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.79	.00	.09	.00	.09
234.00	.00	0	-461.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.58	.00	.08	.00	.08
236.00	.00	0	-434.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.37	.00	.08	.00	.08
238.00	.00	0	-407.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.17	.00	.07	.00	.07
240.00	.00	0	-381.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.96	.00	.07	.00	.07
242.00	.00	0	-355.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.76	.00	.06	.00	.06
244.00	.00	0	-329.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.56	.00	.06	.00	.06
246.00	.00	0	-304.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.36	.00	.05	.00	.05
248.00	.00	0	-278.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.16	.00	.05	.00	.05
250.00	.00	0	-253.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.97	.00	.05	.00	.05
252.00	.00	0	-228.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.77	.00	.04	.00	.04
254.00	.00	0	-203.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.58	.00	.04	.00	.04
256.00	.00	0	-178.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.39	.00	.03	.00	.03
258.00	.00	0	-154.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.20	.00	.03	.00	.03
260.00	.00	0	-129.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.01	.00	.02	.00	.02
262.00	.00	0	-105.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.82	.00	.02	.00	.02
264.00	.00	0	-80.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.63	.00	.01	.00	.01
266.00	.00	0	-56.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.44	.00	.01	.00	.01
268.00	.00	0	-32.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.25	.00	.01	.00	.01

* * * Group Critical Pile Report II - Group P42 - Pile 182 - Load Case 7 * * *

Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		File Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WI	Fy			Axial	Bend.	Total
.00	31.03	67	-3963.3	0.	204.0	67	117251.	67	42.00	1.75	36.0	-17.91	54.84	.41	1.02	1.43
2.00	30.47	67	-3964.2	0.	202.4	67	110137.	67	42.00	1.75	36.0	-17.91	51.52	.41	.95	1.37
4.00	29.86	67	-3965.2	0.	200.5	67	102869.	67	42.00	1.75	36.0	-17.92	48.12	.41	.89	1.31
6.00	29.21	67	-3966.1	0.	198.5	67	95465.	67	42.00	1.75	36.0	-17.92	44.65	.41	.83	1.24
8.00	28.51	67	-3967.0	0.	196.4	67	87941.	67	42.00	1.75	36.0	-17.93	41.13	.41	.76	1.18
10.00	27.78	67	-3967.9	0.	194.1	67	80313.	66	42.00	1.75	36.0	-17.93	37.57	.42	.70	1.11
12.00	27.01	67	-3968.8	0.	191.6	67	72599.	66	42.00	1.75	36.0	-17.94	33.96	.42	.63	1.04
14.00	26.21	67	-3969.7	0.	189.0	67	64816.	66	42.00	1.75	36.0	-17.94	30.32	.42	.56	.98
16.00	25.38	67	-3970.5	0.	186.3	67	56981.	66	42.00	1.75	36.0	-17.94	26.65	.42	.49	.91
18.00	24.52	67	-3971.3	0.	183.4	67	49111.	66	42.00	1.75	36.0	-17.95	22.97	.42	.43	.84
20.00	23.64	67	-3972.1	0.	180.4	67	41224.	66	42.00	1.75	36.0	-17.95	19.28	.42	.36	.77
22.00	22.74	67	-3972.9	0.	177.3	67	33335.	66	42.00	1.75	36.0	-17.95	15.59	.42	.29	.70
24.00	21.83	67	-3973.7	0.	174.1	67	25464.	65	42.00	1.75	36.0	-17.96	11.91	.42	.22	.64
26.00	20.91	67	-3974.4	0.	170.7	67	17627.	64	42.00	1.75	36.0	-17.96	8.25	.42	.15	.57
28.00	19.98	67	-3975.2	0.	167.3	67	9850.	62	42.00	1.75	36.0	-17.96	4.61	.42	.09	.50
30.00	19.05	67	-3975.9	0.	163.8	67	2253.	45	42.00	1.75	36.0	-17.97	1.05	.42	.02	.44
32.00	18.11	67	-3976.5	0.	160.1	67	5632.	-103	42.00	1.75	36.0	-17.97	2.63	.42	.05	.46
34.00	17.18	67	-3975.4	0.	149.9	67	13147.	-108	42.00	1.75	36.0	-17.97	6.15	.42	.11	.53
36.00	16.25	67	-3972.5	0.	133.6	66	20421.	-110	42.00	1.75	36.0	-17.95	9.55	.42	.18	.59
38.00	15.33	67	-3969.4	0.	117.5	66	27269.	-110	42.00	1.75	36.0	-17.94	12.75	.42	.24	.65
40.00	14.43	67	-3966.2	0.	101.7	66	33682.	-111	42.00	1.75	36.0	-17.92	15.75	.41	.29	.71
42.00	13.53	67	-3962.9	0.	86.3	66	39657.	-111	42.00	1.75	36.0	-17.91	18.55	.41	.34	.76
44.00	12.66	67	-3959.6	0.	71.2	66	45189.	-111	42.00	1.75	36.0	-17.89	21.14	.41	.39	.81
46.00	11.81	67	-3956.1	0.	56.5	65	50278.	-111	42.00	1.75	36.0	-17.88	23.52	.41	.44	.85
48.00	10.98	67	-3952.5	0.	42.2	65	54924.	-111	42.00	1.75	36.0	-17.86	25.69	.41	.48	.89
50.00	10.17	67	-3948.9	0.	28.2	64	59125.	-111	42.00	1.75	36.0	-17.85	27.66	.41	.51	.93
52.00	9.39	67	-3945.1	0.	14.6	61	62885.	-111	42.00	1.75	36.0	-17.83	29.41	.41	.54	.96
54.00	8.63	67	-3941.3	0.	2.0	15	66204.	-111	42.00	1.75	36.0	-17.81	30.97	.41	.57	.99
56.00	7.91	67	-3937.3	0.	11.8	255	69087.	-111	42.00	1.75	36.0	-17.79	32.32	.41	.60	1.01
58.00	7.22	67	-3933.3	0.	24.2	251	71538.	-111	42.00	1.75	36.0	-17.77	33.46	.41	.62	1.03
60.00	6.55	67	-3929.1	0.	36.3	250	73562.	-112	42.00	1.75	36.0	-17.76	34.41	.41	.64	1.05
62.00	5.92	67	-3924.9	0.	48.0	249	75166.	-112	42.00	1.75	36.0	-17.74	35.16	.41	.65	1.06
64.00	5.33	67	-3920.5	0.	59.2	249	76356.	-112	42.00	1.75	36.0	-17.72	35.71	.41	.66	1.07
66.00	4.76	67	-3916.1	0.	70.1	248	77140.	-112	42.00	1.75	36.0	-17.70	36.08	.41	.67	1.08
68.00	4.24	67	-3911.5	0.	80.5	248	77529.	-112	42.00	1.75	36.0	-17.68	36.26	.41	.67	1.08
70.00	3.74	67	-3906.9	0.	90.5	248	77530.	-112	42.00	1.75	36.0	-17.66	36.26	.41	.67	1.08
72.00	3.28	67	-3902.2	0.	100.0	248	77155.	-112	42.00	1.75	36.0	-17.63	36.09	.41	.67	1.08
74.00	2.86	67	-3897.3	0.	109.1	248	76417.	-112	42.00	1.75	36.0	-17.61	35.74	.41	.66	1.07
76.00	2.46	67	-3892.4	0.	117.7	248	75327.	-112	42.00	1.75	36.0	-17.59	35.23	.41	.65	1.06
78.00	2.11	67	-3887.4	0.	126.0	248	73899.	-112	42.00	1.75	36.0	-17.57	34.57	.41	.64	1.05
80.00	1.78	67	-3882.3	0.	133.8	248	72142.	-112	42.00	1.75	36.0	-17.54	33.74	.41	.62	1.03
82.00	1.49	67	-3877.1	0.	141.1	248	70073.	-112	42.00	1.75	36.0	-17.52	32.78	.41	.61	1.01
84.00	1.22	67	-3871.8	0.	147.9	248	67708.	-112	42.00	1.75	36.0	-17.50	31.67	.41	.59	.99
86.00	.99	67	-3866.4	0.	154.3	248	65061.	-112	42.00	1.75	36.0	-17.47	30.43	.40	.56	.97
88.00	.78	67	-3860.9	0.	160.2	248	62148.	-112	42.00	1.75	36.0	-17.45	29.07	.40	.54	.94
90.00	.61	67	-3855.3	0.	165.7	248	58986.	-112	42.00	1.75	36.0	-17.42	27.59	.40	.51	.91
92.00	.46	67	-3849.6	0.	170.6	247	55592.	-112	42.00	1.75	36.0	-17.40	26.00	.40	.48	.88
94.00	.33	67	-3843.8	0.	175.0	247	51984.	-112	42.00	1.75	36.0	-17.37	24.32	.40	.45	.85
96.00	.23	67	-3837.9	0.	178.6	247	48181.	-112	42.00	1.75	36.0	-17.34	22.54	.40	.42	.82
98.00	.14	67	-3832.0	0.	180.9	247	44210.	-112	42.00	1.75	36.0	-17.32	20.68	.40	.38	.78

*** Group Critical Pile Report II - Group P42 - Pile 182 - Load Case 7 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
100.00	.08	67	-3825.9	0.	182.2	247	40109.	-112	42.00	1.75	36.0	-17.29	18.76	.40	.35	.75
102.00	.04	66	-3736.0	0.	310.8	247	35908.	-112	42.00	1.75	36.0	-16.88	16.80	.39	.31	.70
104.00	.01	65	-3648.0	0.	337.7	247	28558.	-112	42.00	1.75	36.0	-16.49	13.36	.38	.25	.63
106.00	.01	248	-3561.9	0.	304.7	247	20513.	-112	42.00	1.75	36.0	-16.10	9.60	.37	.18	.55
108.00	.02	247	-3477.7	0.	243.2	247	13228.	-112	42.00	1.75	36.0	-15.72	6.19	.36	.11	.48
110.00	.02	247	-3395.3	0.	175.0	247	7395.	-112	42.00	1.75	36.0	-15.34	3.46	.36	.06	.42
112.00	.02	247	-3314.6	0.	112.7	247	3189.	-113	42.00	1.75	36.0	-14.98	1.49	.35	.03	.37
114.00	.01	247	-3235.7	0.	62.8	247	472.	-114	42.00	1.75	36.0	-14.62	.22	.34	.00	.34
116.00	.01	247	-3158.4	0.	26.7	246	1045.	67	42.00	1.75	36.0	-14.27	.49	.33	.01	.34
118.00	.01	247	-3082.8	0.	3.4	244	1696.	67	42.00	1.75	36.0	-13.93	.79	.32	.01	.34
120.00	.00	247	-3008.7	0.	9.5	67	1785.	67	42.00	1.75	36.0	-13.60	.84	.31	.02	.33
122.00	.00	246	-2936.3	0.	15.0	67	1562.	67	42.00	1.75	36.0	-13.27	.73	.31	.01	.32
124.00	.00	-90	-2865.3	0.	15.6	67	1207.	67	42.00	1.75	36.0	-12.95	.56	.30	.01	.31
126.00	.00	67	-2795.9	0.	13.5	67	835.	67	42.00	1.75	36.0	-12.63	.39	.29	.01	.30
128.00	.00	67	-2727.9	0.	10.4	67	511.	67	42.00	1.75	36.0	-12.33	.24	.29	.00	.29
130.00	.00	67	-2661.3	0.	7.1	67	262.	66	42.00	1.75	36.0	-12.03	.12	.28	.00	.28
132.00	.00	67	-2596.0	0.	4.3	67	91.	66	42.00	1.75	36.0	-11.73	.04	.27	.00	.27
134.00	.00	67	-2532.2	0.	2.1	66	11.	-109	42.00	1.75	36.0	-11.44	.01	.26	.00	.26
136.00	.00	67	-2469.6	0.	.7	66	63.	-112	42.00	1.75	36.0	-11.16	.03	.26	.00	.26
138.00	.00	90	-2408.4	0.	.2	249	79.	-112	42.00	1.75	36.0	-10.88	.04	.25	.00	.25
140.00	.00	0	-2348.3	0.	.6	247	75.	-112	42.00	1.75	36.0	-10.61	.04	.25	.00	.25
142.00	.00	0	-2289.5	0.	.7	247	61.	-112	42.00	1.75	36.0	-10.35	.03	.24	.00	.24
144.00	.00	0	-2231.9	0.	.7	247	43.	-112	42.00	1.75	36.0	-10.09	.02	.23	.00	.23
146.00	.00	0	-2175.5	0.	.5	247	27.	-112	42.00	1.75	36.0	-9.83	.01	.23	.00	.23
148.00	.00	0	-2120.2	0.	.4	247	15.	-112	42.00	1.75	36.0	-9.58	.01	.22	.00	.22
150.00	.00	0	-2065.9	0.	.2	247	5.	-113	42.00	1.75	36.0	-9.34	.00	.22	.00	.22
152.00	.00	0	-2010.8	0.	.1	246	0.	-135	42.00	1.75	36.0	-9.09	.00	.21	.00	.21
154.00	.00	0	-1954.8	0.	.0	246	2.	67	42.00	1.75	36.0	-8.83	.00	.20	.00	.20
156.00	.00	0	-1900.0	0.	.0	68	3.	67	42.00	1.75	36.0	-8.59	.00	.20	.00	.20
158.00	.00	0	-1846.1	0.	.0	67	3.	67	42.00	1.75	36.0	-8.34	.00	.19	.00	.19
160.00	.00	0	-1793.3	0.	.0	67	2.	67	42.00	1.75	36.0	-8.10	.00	.19	.00	.19
162.00	.00	0	-1741.6	0.	.0	67	1.	67	42.00	1.75	36.0	-7.87	.00	.18	.00	.18
164.00	.00	0	-1690.7	0.	.0	67	1.	67	42.00	1.75	36.0	-7.64	.00	.18	.00	.18
166.00	.00	0	-1640.8	0.	.0	67	0.	66	42.00	1.75	36.0	-7.42	.00	.17	.00	.17
168.00	.00	0	-1591.9	0.	.0	67	0.	66	42.00	1.75	36.0	-7.19	.00	.17	.00	.17
170.00	.00	0	-1543.7	0.	.0	66	0.	-111	42.00	1.50	36.0	-6.99	.00	.19	.00	.19
172.00	.00	0	-1496.4	0.	.0	0	0.	-112	42.00	1.50	36.0	-7.84	.00	.18	.00	.18
174.00	.00	0	-1450.0	0.	.0	247	0.	-112	42.00	1.50	36.0	-7.60	.00	.18	.00	.18
176.00	.00	0	-1404.6	0.	.0	247	0.	-112	42.00	1.50	36.0	-7.36	.00	.17	.00	.17
178.00	.00	0	-1360.1	0.	.0	247	0.	-112	42.00	1.50	36.0	-7.13	.00	.16	.00	.16
180.00	.00	0	-1316.4	0.	.0	247	0.	-112	42.00	1.25	36.0	-8.23	.00	.19	.00	.19
182.00	.00	0	-1273.6	0.	.0	247	0.	-113	42.00	1.25	36.0	-7.96	.00	.18	.00	.18
184.00	.00	0	-1231.8	0.	.0	247	0.	-113	42.00	1.25	36.0	-7.70	.00	.18	.00	.18
186.00	.00	0	-1190.9	0.	.0	0	0.	67	42.00	1.25	36.0	-7.44	.00	.17	.00	.17
188.00	.00	0	-1150.9	0.	.0	0	0.	67	42.00	1.25	36.0	-7.19	.00	.17	.00	.17
190.00	.00	0	-1111.7	0.	.0	0	0.	67	42.00	1.00	36.0	-8.63	.00	.20	.00	.20
192.00	.00	0	-1073.5	0.	.0	0	0.	67	42.00	1.00	36.0	-8.33	.00	.19	.00	.19
194.00	.00	0	-1036.2	0.	.0	0	0.	67	42.00	1.00	36.0	-8.04	.00	.19	.00	.19
196.00	.00	0	-1000.0	0.	.0	0	0.	67	42.00	1.00	36.0	-7.76	.00	.18	.00	.18
198.00	.00	0	-964.7	0.	.0	0	0.	66	42.00	1.00	36.0	-7.49	.00	.17	.00	.17

*** Group Critical Pile Report II - Group P42 - Pile 182 - Load Case 7 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		File Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	Wt	Fy			Axial	Bend. Total	
200.00	.00	0	-930.4	0.	.0	0	0.	-112	42.00	1.00	36.0	-7.22	.00	.17	.00	.17
202.00	.00	0	-896.9	0.	.0	0	0.	-112	42.00	1.00	36.0	-6.96	.00	.16	.00	.16
204.00	.00	0	-864.3	0.	.0	0	0.	-112	42.00	1.00	36.0	-6.71	.00	.16	.00	.16
206.00	.00	0	-832.6	0.	.0	0	0.	-112	42.00	1.00	36.0	-6.46	.00	.15	.00	.15
208.00	.00	0	-801.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-6.22	.00	.14	.00	.14
210.00	.00	0	-771.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.99	.00	.14	.00	.14
212.00	.00	0	-741.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.76	.00	.13	.00	.13
214.00	.00	0	-712.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.53	.00	.13	.00	.13
216.00	.00	0	-682.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.30	.00	.12	.00	.12
218.00	.00	0	-653.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.08	.00	.12	.00	.12
220.00	.00	0	-625.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.86	.00	.11	.00	.11
222.00	.00	0	-597.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.64	.00	.11	.00	.11
224.00	.00	0	-570.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.42	.00	.10	.00	.10
226.00	.00	0	-542.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.21	.00	.10	.00	.10
228.00	.00	0	-516.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.01	.00	.09	.00	.09
230.00	.00	0	-489.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.80	.00	.09	.00	.09
232.00	.00	0	-463.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.60	.00	.08	.00	.08
234.00	.00	0	-437.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.40	.00	.08	.00	.08
236.00	.00	0	-412.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.20	.00	.07	.00	.07
238.00	.00	0	-386.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.00	.00	.07	.00	.07
240.00	.00	0	-361.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.81	.00	.07	.00	.07
242.00	.00	0	-337.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.62	.00	.06	.00	.06
244.00	.00	0	-312.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.43	.00	.06	.00	.06
246.00	.00	0	-288.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.24	.00	.05	.00	.05
248.00	.00	0	-264.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.05	.00	.05	.00	.05
250.00	.00	0	-240.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.87	.00	.04	.00	.04
252.00	.00	0	-216.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.68	.00	.04	.00	.04
254.00	.00	0	-193.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.50	.00	.03	.00	.03
256.00	.00	0	-169.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.32	.00	.03	.00	.03
258.00	.00	0	-146.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.14	.00	.03	.00	.03
260.00	.00	0	-123.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.96	.00	.02	.00	.02
262.00	.00	0	-100.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.78	.00	.02	.00	.02
264.00	.00	0	-77.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.60	.00	.01	.00	.01
266.00	.00	0	-54.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.42	.00	.01	.00	.01
268.00	.00	0	-31.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.24	.00	.01	.00	.01

*** Group Critical Pile Report III - Group P42 - Pile 182 - Load Case 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
.00	30.02	41	-3270.0	0.	220.8	41	113502.	41	42.00	1.75	36.0	-14.78	53.09	.34	.98	1.33
2.00	29.48	41	-3270.6	0.	219.2	41	106441.	41	42.00	1.75	36.0	-14.78	49.79	.34	.92	1.26
4.00	28.89	41	-3271.3	0.	217.4	41	99265.	40	42.00	1.75	36.0	-14.78	46.43	.34	.86	1.20
6.00	28.26	41	-3271.9	0.	215.4	41	91988.	40	42.00	1.75	36.0	-14.79	43.03	.34	.80	1.14
8.00	27.59	41	-3272.5	0.	213.2	41	84626.	40	42.00	1.75	36.0	-14.79	39.58	.34	.73	1.08
10.00	26.88	41	-3273.0	0.	211.0	41	77192.	40	42.00	1.75	36.0	-14.79	36.11	.34	.67	1.01
12.00	26.14	41	-3273.6	0.	208.5	41	69700.	40	42.00	1.75	36.0	-14.79	32.60	.34	.60	.95
14.00	25.37	41	-3274.2	0.	206.0	41	62165.	40	42.00	1.75	36.0	-14.80	29.08	.34	.54	.88
16.00	24.57	41	-3274.7	0.	203.3	41	54602.	40	42.00	1.75	36.0	-14.80	25.54	.34	.47	.82
18.00	23.74	41	-3275.2	0.	200.4	41	47024.	40	42.00	1.75	36.0	-14.80	22.00	.34	.41	.75
20.00	22.90	41	-3275.7	0.	197.5	41	39446.	40	42.00	1.75	36.0	-14.80	18.45	.34	.34	.68
22.00	22.03	41	-3276.2	0.	194.4	41	31882.	40	42.00	1.75	36.0	-14.81	14.91	.34	.28	.62
24.00	21.16	41	-3276.7	0.	191.2	41	24345.	39	42.00	1.75	36.0	-14.81	11.39	.34	.21	.55
26.00	20.27	41	-3277.1	0.	187.9	41	16852.	39	42.00	1.75	36.0	-14.81	7.88	.34	.15	.49
28.00	19.37	41	-3277.6	0.	184.5	41	9419.	37	42.00	1.75	36.0	-14.81	4.41	.34	.08	.42
30.00	18.47	41	-3278.0	0.	181.0	41	2122.	23	42.00	1.75	36.0	-14.81	.99	.34	.02	.36
32.00	17.57	41	-3278.4	0.	177.4	41	5311.	-131	42.00	1.75	36.0	-14.82	2.48	.34	.05	.39
34.00	16.68	41	-3278.4	0.	167.3	41	12489.	-135	42.00	1.75	36.0	-14.81	5.84	.34	.11	.45
36.00	15.78	41	-3272.0	0.	151.1	40	19421.	-136	42.00	1.75	36.0	-14.79	9.08	.34	.17	.51
38.00	14.90	41	-3267.6	0.	135.1	40	25936.	-137	42.00	1.75	36.0	-14.77	12.13	.34	.22	.57
40.00	14.03	41	-3263.0	0.	119.5	40	32028.	-137	42.00	1.75	36.0	-14.75	14.98	.34	.28	.62
42.00	13.17	41	-3258.3	0.	104.3	40	37696.	-137	42.00	1.75	36.0	-14.72	17.63	.34	.33	.67
44.00	12.33	41	-3253.6	0.	89.3	40	42939.	-137	42.00	1.75	36.0	-14.70	20.08	.34	.37	.71
46.00	11.51	41	-3248.8	0.	74.7	40	47758.	-137	42.00	1.75	36.0	-14.68	22.34	.34	.41	.75
48.00	10.70	41	-3243.9	0.	60.5	40	52155.	-138	42.00	1.75	36.0	-14.66	24.40	.34	.45	.79
50.00	9.93	41	-3239.0	0.	46.6	39	56131.	-138	42.00	1.75	36.0	-14.64	26.25	.34	.49	.83
52.00	9.17	41	-3233.9	0.	33.0	39	59689.	-138	42.00	1.75	36.0	-14.61	27.92	.34	.52	.86
54.00	8.44	41	-3228.8	0.	19.9	38	62834.	-138	42.00	1.75	36.0	-14.59	29.39	.34	.54	.88
56.00	7.74	41	-3223.6	0.	7.2	32	65569.	-138	42.00	1.75	36.0	-14.57	30.67	.34	.57	.91
58.00	7.07	41	-3218.3	0.	5.5	233	67900.	-138	42.00	1.75	36.0	-14.54	31.76	.34	.59	.92
60.00	6.43	41	-3212.9	0.	17.4	225	69833.	-138	42.00	1.75	36.0	-14.52	32.66	.34	.60	.94
62.00	5.82	41	-3207.5	0.	29.0	223	71375.	-138	42.00	1.75	36.0	-14.49	33.39	.34	.62	.95
64.00	5.25	41	-3202.0	0.	40.2	222	72534.	-138	42.00	1.75	36.0	-14.47	33.93	.33	.63	.96
66.00	4.70	41	-3196.3	0.	51.0	222	73318.	-138	42.00	1.75	36.0	-14.44	34.29	.33	.64	.97
68.00	4.19	41	-3190.7	0.	61.4	222	73736.	-138	42.00	1.75	36.0	-14.42	34.49	.33	.64	.97
70.00	3.70	41	-3184.9	0.	71.4	222	73798.	-138	42.00	1.75	36.0	-14.39	34.52	.33	.64	.97
72.00	3.26	41	-3179.1	0.	80.8	222	73514.	-138	42.00	1.75	36.0	-14.37	34.39	.33	.64	.97
74.00	2.84	41	-3173.1	0.	89.9	222	72896.	-138	42.00	1.75	36.0	-14.34	34.10	.33	.63	.96
76.00	2.46	41	-3167.1	0.	98.5	221	71957.	-138	42.00	1.75	36.0	-14.31	33.66	.33	.62	.95
78.00	2.10	41	-3161.1	0.	106.8	221	70707.	-138	42.00	1.75	36.0	-14.28	33.07	.33	.61	.94
80.00	1.78	41	-3154.9	0.	114.6	221	69157.	-138	42.00	1.75	36.0	-14.26	32.35	.33	.60	.93
82.00	1.49	41	-3148.7	0.	121.9	221	67323.	-138	42.00	1.75	36.0	-14.23	31.49	.33	.58	.91
84.00	1.23	41	-3142.4	0.	128.8	221	65217.	-138	42.00	1.75	36.0	-14.20	30.50	.33	.56	.89
86.00	1.00	41	-3136.0	0.	135.2	221	62854.	-138	42.00	1.75	36.0	-14.17	29.40	.33	.54	.87
88.00	.80	41	-3129.5	0.	141.1	221	60248.	-138	42.00	1.75	36.0	-14.14	28.18	.33	.52	.85
90.00	.62	41	-3123.0	0.	146.6	221	57415.	-138	42.00	1.75	36.0	-14.11	26.86	.33	.50	.82
92.00	.47	41	-3116.4	0.	151.6	221	54370.	-138	42.00	1.75	36.0	-14.08	25.43	.33	.47	.80
94.00	.34	41	-3109.7	0.	156.1	221	51129.	-138	42.00	1.75	36.0	-14.05	23.92	.33	.44	.77
96.00	.24	41	-3102.9	0.	159.8	221	47711.	-138	42.00	1.75	36.0	-14.02	22.32	.32	.41	.74
98.00	.15	41	-3096.0	0.	162.2	221	44136.	-138	42.00	1.75	36.0	-13.99	20.64	.32	.38	.71

*** Group Critical Pile Report III - Group P42 - Pile 182 - Load Case 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (in-Kips)	Shear Force (Kips)		Bending Moment (in-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Normal To Pile Value (In)	Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.09	41	-3089.1	0.	163.6	221	40444.	-138	42.00	1.75	36.0	-13.96	18.92	.32	.35	.67
102.00	.04	40	-3016.8	0.	305.0	221	36663.	-138	42.00	1.75	36.0	-13.63	17.15	.32	.32	.63
104.00	.01	40	-2946.1	0.	339.7	221	29435.	-138	42.00	1.75	36.0	-13.31	13.77	.31	.25	.56
106.00	.01	221	-2877.0	0.	310.6	221	21334.	-138	42.00	1.75	36.0	-13.00	9.98	.30	.18	.49
108.00	.02	221	-2809.3	0.	250.6	221	13902.	-138	42.00	1.75	36.0	-12.70	6.50	.29	.12	.41
110.00	.02	221	-2743.0	0.	182.0	221	7894.	-138	42.00	1.75	36.0	-12.40	3.69	.29	.07	.36
112.00	.02	221	-2678.2	0.	118.5	221	3522.	-139	42.00	1.75	36.0	-12.10	1.65	.28	.03	.31
114.00	.01	221	-2614.8	0.	67.1	221	668.	-139	42.00	1.75	36.0	-11.82	.31	.27	.01	.28
116.00	.01	221	-2552.8	0.	29.6	220	951.	41	42.00	1.75	36.0	-11.54	.44	.27	.01	.28
118.00	.01	221	-2492.0	0.	5.1	220	1669.	41	42.00	1.75	36.0	-11.26	.78	.26	.01	.28
120.00	.00	221	-2432.6	0.	8.7	41	1799.	41	42.00	1.75	36.0	-10.99	.84	.25	.02	.27
122.00	.00	220	-2374.4	0.	14.7	41	1595.	41	42.00	1.75	36.0	-10.73	.75	.25	.01	.26
124.00	.00	219	-2317.5	0.	15.7	41	1244.	41	42.00	1.75	36.0	-10.47	.58	.24	.01	.25
126.00	.00	41	-2261.7	0.	13.8	41	869.	41	42.00	1.75	36.0	-10.22	.41	.24	.01	.24
128.00	.00	41	-2207.2	0.	10.7	41	538.	41	42.00	1.75	36.0	-9.97	.25	.23	.00	.24
130.00	.00	41	-2153.7	0.	7.4	41	282.	40	42.00	1.75	36.0	-9.73	.13	.23	.00	.23
132.00	.00	41	-2101.4	0.	4.5	41	104.	40	42.00	1.75	36.0	-9.50	.05	.22	.00	.22
134.00	.00	41	-2050.2	0.	2.3	40	4.	-132	42.00	1.75	36.0	-9.26	.00	.21	.00	.21
136.00	.00	41	-2000.0	0.	.8	40	60.	-138	42.00	1.75	36.0	-9.04	.03	.21	.00	.21
138.00	.00	41	-1950.9	0.	.1	222	79.	-138	42.00	1.75	36.0	-8.82	.04	.20	.00	.20
140.00	.00	0	-1902.8	0.	.6	221	76.	-138	42.00	1.75	36.0	-8.60	.04	.20	.00	.20
142.00	.00	0	-1855.7	0.	.7	221	62.	-138	42.00	1.75	36.0	-8.39	.03	.19	.00	.19
144.00	.00	0	-1809.6	0.	.7	221	45.	-138	42.00	1.75	36.0	-8.18	.02	.19	.00	.19
146.00	.00	0	-1764.3	0.	.5	221	29.	-138	42.00	1.75	36.0	-7.97	.01	.18	.00	.18
148.00	.00	0	-1720.0	0.	.4	221	16.	-138	42.00	1.75	36.0	-7.77	.01	.18	.00	.18
150.00	.00	0	-1676.6	0.	.3	221	6.	-139	42.00	1.75	36.0	-7.58	.00	.18	.00	.18
152.00	.00	0	-1632.5	0.	.1	220	0.	-141	42.00	1.75	36.0	-7.38	.00	.17	.00	.17
154.00	.00	0	-1587.7	0.	.0	220	2.	41	42.00	1.75	36.0	-7.17	.00	.17	.00	.17
156.00	.00	0	-1543.8	0.	.0	42	3.	41	42.00	1.75	36.0	-6.98	.00	.16	.00	.16
158.00	.00	0	-1500.7	0.	.0	41	3.	41	42.00	1.75	36.0	-6.78	.00	.16	.00	.16
160.00	.00	0	-1458.5	0.	.0	41	2.	41	42.00	1.75	36.0	-6.59	.00	.15	.00	.15
162.00	.00	0	-1417.1	0.	.0	41	1.	41	42.00	1.75	36.0	-6.40	.00	.15	.00	.15
164.00	.00	0	-1376.5	0.	.0	41	1.	41	42.00	1.75	36.0	-6.22	.00	.14	.00	.14
166.00	.00	0	-1336.6	0.	.0	41	0.	40	42.00	1.75	36.0	-6.04	.00	.14	.00	.14
168.00	.00	0	-1297.5	0.	.0	41	0.	40	42.00	1.75	36.0	-5.86	.00	.14	.00	.14
170.00	.00	0	-1259.0	0.	.0	40	0.	-138	42.00	1.50	36.0	-6.60	.00	.15	.00	.15
172.00	.00	0	-1221.3	0.	.0	38	0.	-138	42.00	1.50	36.0	-6.40	.00	.15	.00	.15
174.00	.00	0	-1184.3	0.	.0	221	0.	-138	42.00	1.50	36.0	-6.21	.00	.14	.00	.14
176.00	.00	0	-1148.0	0.	.0	221	0.	-138	42.00	1.50	36.0	-6.02	.00	.14	.00	.14
178.00	.00	0	-1112.5	0.	.0	221	0.	-138	42.00	1.50	36.0	-5.83	.00	.13	.00	.13
180.00	.00	0	-1077.7	0.	.0	221	0.	-138	42.00	1.25	36.0	-6.73	.00	.16	.00	.16
182.00	.00	0	-1043.5	0.	.0	221	0.	-139	42.00	1.25	36.0	-6.52	.00	.15	.00	.15
184.00	.00	0	-1010.1	0.	.0	221	0.	-139	42.00	1.25	36.0	-6.31	.00	.15	.00	.15
186.00	.00	0	-977.6	0.	.0	0	0.	41	42.00	1.25	36.0	-6.11	.00	.14	.00	.14
188.00	.00	0	-945.7	0.	.0	0	0.	41	42.00	1.25	36.0	-5.91	.00	.14	.00	.14
190.00	.00	0	-914.5	0.	.0	0	0.	41	42.00	1.00	36.0	-7.10	.00	.16	.00	.16
192.00	.00	0	-884.1	0.	.0	0	0.	41	42.00	1.00	36.0	-6.86	.00	.16	.00	.16
194.00	.00	0	-854.5	0.	.0	0	0.	41	42.00	1.00	36.0	-6.63	.00	.15	.00	.15
196.00	.00	0	-825.7	0.	.0	0	0.	41	42.00	1.00	36.0	-6.41	.00	.15	.00	.15
198.00	.00	0	-797.7	0.	.0	0	0.	40	42.00	1.00	36.0	-6.19	.00	.14	.00	.14

*** Group Critical Pile Report III - Group P42 - Pile 182 - Load Case 8 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Normal Value (In)	To Pile Angle (Deg)			Value	Angle (Deg)	Value	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
200.00	.00	0	-770.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.98	.00	.14	.00	.14
202.00	.00	0	-744.0	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.78	.00	.13	.00	.13
204.00	.00	0	-718.2	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.58	.00	.13	.00	.13
206.00	.00	0	-693.2	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.38	.00	.12	.00	.12
208.00	.00	0	-668.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.19	.00	.12	.00	.12
210.00	.00	0	-644.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.01	.00	.12	.00	.12
212.00	.00	0	-621.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.83	.00	.11	.00	.11
214.00	.00	0	-596.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.63	.00	.11	.00	.11
216.00	.00	0	-571.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.44	.00	.10	.00	.10
218.00	.00	0	-546.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.25	.00	.10	.00	.10
220.00	.00	0	-522.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.06	.00	.09	.00	.09
222.00	.00	0	-498.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.87	.00	.09	.00	.09
224.00	.00	0	-475.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.69	.00	.09	.00	.09
226.00	.00	0	-452.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.51	.00	.08	.00	.08
228.00	.00	0	-429.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.33	.00	.08	.00	.08
230.00	.00	0	-406.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.16	.00	.07	.00	.07
232.00	.00	0	-384.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.99	.00	.07	.00	.07
234.00	.00	0	-362.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.82	.00	.07	.00	.07
236.00	.00	0	-341.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.65	.00	.06	.00	.06
238.00	.00	0	-319.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.48	.00	.06	.00	.06
240.00	.00	0	-299.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.32	.00	.05	.00	.05
242.00	.00	0	-278.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.16	.00	.05	.00	.05
244.00	.00	0	-258.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.00	.00	.05	.00	.05
246.00	.00	0	-238.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.85	.00	.04	.00	.04
248.00	.00	0	-218.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.69	.00	.04	.00	.04
250.00	.00	0	-198.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.54	.00	.04	.00	.04
252.00	.00	0	-179.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.39	.00	.03	.00	.03
254.00	.00	0	-159.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.24	.00	.03	.00	.03
256.00	.00	0	-140.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.09	.00	.03	.00	.03
258.00	.00	0	-121.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.94	.00	.02	.00	.02
260.00	.00	0	-102.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.80	.00	.02	.00	.02
262.00	.00	0	-83.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.65	.00	.02	.00	.02
264.00	.00	0	-65.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.51	.00	.01	.00	.01
266.00	.00	0	-46.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.36	.00	.01	.00	.01
268.00	.00	0	-27.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.22	.00	.01	.00	.01

*** Pile Head And Structure Force Comparison In Global Coordinate System ***

Load Case	Pile Joint		Forces (Kips)			Moments (In-Kips)		
			X	Y	Z	X	Y	Z
6	200	Pile Head	269.376	225.227	-375.235	89757.988	-105429.235	.000
		Structure	269.379	225.239	-372.307	89765.893	-105432.578	.000
		Difference	.003	.012	2.928	7.905	-3.343	.000
112	Pile Head	Pile Head	538.458	436.871	2094.682	66099.979	-95627.377	2952.734
		Structure	538.534	436.952	2095.417	66104.435	-95630.447	2952.596
		Difference	.076	.081	.736	4.455	-3.070	-.139
122	Pile Head	Pile Head	280.940	234.238	239.085	72578.623	-97935.946	9793.590
		Structure	280.943	234.323	239.840	72584.014	-97938.714	9793.867
		Difference	.003	.084	.755	5.390	-2.767	.277
132	Pile Head	Pile Head	287.597	297.454	661.592	77900.419	-96487.525	9648.748
		Structure	287.599	297.539	662.339	77906.601	-96490.220	9649.018
		Difference	.002	.085	.747	6.182	-2.695	.269
142	Pile Head	Pile Head	371.457	62.416	-1368.377	82483.869	-97475.781	17995.961
		Structure	371.383	62.503	-1367.618	82490.723	-97477.986	17996.867
		Difference	-.074	.086	.759	6.854	-2.205	.906
152	Pile Head	Pile Head	194.843	235.103	-513.387	67268.436	-90712.486	-15798.081
		Structure	194.918	235.035	-512.640	67272.915	-90713.782	-15798.658
		Difference	.075	-.068	.747	4.478	-1.296	-.577
162	Pile Head	Pile Head	195.811	416.546	-2541.040	76800.693	-92109.262	-9210.914
		Structure	195.812	416.478	-2540.281	76806.117	-92110.186	-9211.006
		Difference	.001	-.068	.760	5.425	-.924	-.092
172	Pile Head	Pile Head	202.123	400.361	-2298.536	77936.066	-92610.204	-9261.008
		Structure	202.124	400.296	-2297.801	77942.107	-92611.118	-9261.099
		Difference	.000	-.065	.735	6.041	-.914	-.091
182	Pile Head	Pile Head	567.715	555.258	-4141.899	85520.398	-93061.825	-754.126
		Structure	567.643	555.193	-4141.159	85527.165	-93062.293	-753.496
		Difference	-.072	-.065	.741	6.766	-.468	.630
7	200	Pile Head	138.956	294.109	-375.235	114838.643	-52830.784	.000
		Structure	138.932	294.130	-372.307	114852.150	-52819.052	.000
		Difference	-.024	.021	2.928	13.507	11.732	.000
112	Pile Head	Pile Head	358.290	482.666	1814.278	87845.641	-51374.008	-3647.166
		Structure	358.350	482.722	1814.925	87844.387	-51376.468	-3646.794
		Difference	.060	.055	.647	-1.254	-2.460	.371
122	Pile Head	Pile Head	161.108	373.802	807.058	93909.339	-52014.069	5201.406
		Structure	161.101	373.888	807.818	93915.197	-52013.176	5201.316
		Difference	-.007	.086	.760	5.858	.893	-.089
132	Pile Head	Pile Head	160.941	410.356	1004.724	98933.973	-51256.371	5125.636
		Structure	160.932	410.457	1005.475	98947.656	-51254.957	5125.494
		Difference	-.008	.101	.751	13.683	1.414	-.141

*** Pile Head And Structure Force Comparison In Global Coordinate System ***

Load Case	Pile Joint		Forces (Kips)			Moments (In-Kips)		
			X	Y	Z	X	Y	Z
7	142	Pile Head	165.557	264.853	-227.145	103002.253	-51797.573	15479.982
		Structure	165.462	264.976	-226.287	103022.001	-51793.188	15481.518
		Difference	-.096	.124	.859	19.747	4.385	1.536
152	152	Pile Head	-52.988	388.851	-1650.377	90318.494	-45395.645	-13571.406
		Structure	-52.938	388.772	-1649.577	90320.063	-45378.810	-13569.880
		Difference	.050	-.080	.799	1.569	16.836	1.527
162	162	Pile Head	93.954	494.084	-2867.285	99446.433	-44740.648	-4474.056
		Structure	93.925	494.010	-2866.439	99453.287	-44720.536	-4472.045
		Difference	-.029	-.075	.846	6.854	20.112	2.011
172	172	Pile Head	94.023	496.090	-2855.277	101144.886	-45062.269	-4506.218
		Structure	93.993	496.046	-2854.625	101160.360	-45042.258	-4504.217
		Difference	-.029	-.043	.653	15.473	20.010	2.001
182	182	Pile Head	468.586	580.705	-3898.041	108263.028	-44569.527	6369.363
		Structure	468.488	580.662	-3897.350	108283.682	-44546.904	6373.690
		Difference	-.098	-.043	.691	20.654	22.623	4.328
8	200	Pile Head	-8.498	314.953	-375.235	121851.378	4210.755	.000
		Structure	-8.491	314.962	-372.307	121858.075	4207.180	.000
		Difference	.007	.009	2.928	6.697	-3.575	.000
112	112	Pile Head	116.612	426.531	1121.118	96508.564	-1015.585	-9549.297
		Structure	116.694	426.613	1121.873	96513.381	-1018.598	-9549.478
		Difference	.082	.082	.756	4.817	-3.013	-.180
122	122	Pile Head	3.929	429.099	1045.648	100805.190	-916.560	91.658
		Structure	3.936	429.179	1046.385	100809.841	-919.546	91.956
		Difference	.007	.080	.738	4.652	-2.985	.299
132	132	Pile Head	3.918	434.524	1017.589	104781.697	-1022.734	102.275
		Structure	3.925	434.606	1018.349	104786.256	-1025.697	102.571
		Difference	.007	.082	.760	4.559	-2.963	.296
142	142	Pile Head	-67.564	404.240	723.535	107167.827	-2089.887	10925.775
		Structure	-67.631	404.318	724.269	107172.034	-2092.884	10926.495
		Difference	-.067	.078	.735	4.207	-2.996	.720
152	152	Pile Head	-271.389	479.584	-2591.959	99057.982	5646.832	-9341.113
		Structure	-271.309	479.516	-2591.211	99062.367	5643.248	-9341.910
		Difference	.080	-.068	.748	4.385	-3.584	-.797
162	162	Pile Head	-13.991	511.731	-2899.659	105793.190	6997.459	699.749
		Structure	-13.986	511.663	-2898.924	105797.489	6993.982	699.402
		Difference	.005	-.068	.734	4.299	-3.477	-.348
172	172	Pile Head	-13.489	527.648	-3083.934	107746.491	6930.226	693.026
		Structure	-13.484	527.577	-3083.169	107750.529	6926.765	692.680
		Difference	.005	-.071	.765	4.038	-3.461	-.346

*** Pile Head And Structure Force Comparison In Global Coordinate System ***

Load Case	Pile Joint		Forces (Kips)			Moments (In-Kips)		
			X	Y	Z	X	Y	Z
B	182	Pile Head	307.936	543.868	-3217.767	112636.442	7229.156	11986.565
		Structure	307.866	543.799	-3217.023	112640.270	7225.747	11986.607
		Difference	-.070	-.069	.744	3.828	-3.409	.042
Max. Difference			-.098	.124	2.928	20.654	22.623	4.328
Pile Joint No.			182	142	200	182	182	182
Load Case No.			7	7	6	7	7	7

1

*** Pile Head And Structure Force Comparison In Pile Coordinate System ***

Load Case	Pile Joint		Forces (Kips)			Moments (In-Kips)		
			X	Y	Z	X	Y	Z
6	200	Pile Head	375.235	-269.376	225.227	.000	-89757.988	-105429.235
		Structure	372.307	-269.379	225.239	.000	-89765.893	-105432.578
		Difference	-2.928	-.003	.012	.000	-7.905	-3.343
112	Pile Head	Pile Head	-2170.616	71.832	-389.553	-.002	114358.527	21086.731
		Structure	-2171.360	71.829	-389.560	-.002	114363.848	21085.742
		Difference	-.744	-.003	-.006	.000	5.321	-.989
122	Pile Head	Pile Head	-261.206	280.940	-209.286	-.001	72578.623	98424.408
		Structure	-261.966	280.943	-209.295	-.001	72584.014	98427.189
		Difference	-.760	.003	-.009	.000	5.390	2.781
132	Pile Head	Pile Head	-687.907	287.597	-230.147	-.001	77900.419	96968.762
		Structure	-688.658	287.599	-230.157	-.001	77906.601	96971.471
		Difference	-.752	.002	-.010	.000	6.182	2.708
142	Pile Head	Pile Head	1385.495	306.794	24.750	.002	-10600.937	128516.894
		Structure	1384.728	306.803	24.755	.002	-10597.650	128523.363
		Difference	-.767	.009	-.006	.000	3.287	6.470
152	Pile Head	Pile Head	512.315	-304.018	-43.701	-.009	16577.495	-112820.939
		Structure	511.561	-304.023	-43.696	-.009	16575.244	-112825.062
		Difference	-.754	-.005	.005	.000	-2.250	-4.123
162	Pile Head	Pile Head	2569.878	-195.811	161.636	-.007	-76800.693	-92568.662
		Structure	2569.115	-195.812	161.644	-.007	-76806.117	-92569.590
		Difference	-.763	-.001	-.008	.000	-5.425	-.928
172	Pile Head	Pile Head	2326.966	-202.123	169.661	-.008	-77936.066	-93072.102
		Structure	2326.228	-202.124	169.670	-.008	-77942.107	-93073.021
		Difference	-.738	.000	.009	.000	-6.041	-.919
182	Pile Head	Pile Head	4212.282	-8.808	206.257	-.008	-126276.712	-5385.600
		Structure	4211.535	-8.803	206.264	-.008	-126281.827	-5381.103
		Difference	-.747	.005	.008	.000	-5.116	4.498
7	200	Pile Head	375.235	-138.956	294.109	.000	-114838.643	-52830.784
		Structure	372.307	-138.932	294.130	.000	-114852.150	-52819.052
		Difference	-2.928	.024	.021	.000	-13.507	11.732
112	Pile Head	Pile Head	-1879.670	-87.948	-334.737	-.004	98443.154	-26045.998
		Structure	-1880.322	-87.944	-334.728	-.004	98444.006	-26043.346
		Difference	-.652	.004	.010	.000	.853	2.652
122	Pile Head	Pile Head	-840.248	161.108	-291.642	-.001	93909.339	52273.492
		Structure	-841.013	161.101	-291.652	-.001	93915.197	52272.594
		Difference	-.765	-.007	-.010	.000	5.858	-.898
132	Pile Head	Pile Head	-1040.570	160.941	-308.346	-.002	98933.973	51512.015
		Structure	-1041.327	160.932	-308.371	-.002	98947.656	51510.594
		Difference	-.757	-.008	-.025	.000	13.683	-1.421

* * * Pile Head And Structure Force Comparison In Pile Coordinate System * * *

Load Case	Pile Joint		Forces (Kips)			Moments (In-Kips)		
			X	Y	Z	X	Y	Z
7	142	Pile Head	215.076	304.346	-101.327	.001	36207.133	110549.206
		Structure	214.204	304.366	-101.361	.001	36224.197	110560.176
		Difference	-.872	.020	-.033	.000	17.064	10.970
152	152	Pile Head	1677.865	-237.491	78.251	-.008	-31765.212	-96919.296
		Structure	1677.061	-237.470	78.272	-.008	-31778.227	-96908.393
		Difference	-.804	.021	.021	.000	-13.014	10.902
162	162	Pile Head	2902.218	-93.954	206.327	-.006	-99446.433	-44963.794
		Structure	2901.369	-93.925	206.337	-.006	-99453.287	-44943.582
		Difference	-.849	.029	.010	.000	-6.854	20.212
172	172	Pile Head	2890.470	-94.023	209.517	-.006	-101144.886	-45287.019
		Structure	2889.816	-93.993	209.539	-.006	-101160.360	-45266.909
		Difference	-.654	.029	.022	.000	-15.473	20.110
182	182	Pile Head	3963.531	79.281	188.816	-.006	-108068.924	45486.306
		Structure	3962.833	79.320	188.814	-.006	-108067.532	45517.213
		Difference	-.698	.039	-.002	.000	1.392	30.906
8	200	Pile Head	375.235	8.498	314.953	.000	-121851.378	4210.755
		Structure	372.307	8.491	314.962	.000	-121858.075	4207.180
		Difference	-2.928	-.007	.009	.000	-6.697	-3.575
112	112	Pile Head	-1163.851	-219.146	-223.288	-.004	68959.963	-68195.658
		Structure	-1164.615	-219.146	-223.297	-.004	68965.500	-68196.947
		Difference	-.764	.000	-.009	.000	5.536	-1.288
122	122	Pile Head	-1083.155	3.929	-322.924	-.002	100805.190	921.132
		Structure	-1083.897	3.936	-322.930	-.002	100809.841	924.132
		Difference	-.742	.007	-.006	.000	4.652	3.000
132	132	Pile Head	-1055.776	3.918	-331.113	-.002	104781.697	1027.835
		Structure	-1056.540	3.925	-331.119	-.002	104786.256	1030.813
		Difference	-.764	.007	-.006	.000	4.559	2.978
142	142	Pile Head	-763.122	238.066	-229.013	.001	74301.296	78025.648
		Structure	-763.863	238.074	-229.012	.001	74302.152	78030.792
		Difference	-.742	.008	.001	.000	.856	5.144
152	152	Pile Head	2640.779	-147.216	162.840	-.006	-74037.461	-66708.937
		Structure	2640.024	-147.225	162.840	-.006	-74038.028	-66714.628
		Difference	-.755	-.009	.001	.000	-.567	-5.691
162	162	Pile Head	2936.187	13.991	220.665	-.004	-105793.190	7032.360
		Structure	2935.450	13.986	220.671	-.004	-105797.489	7028.865
		Difference	-.737	-.005	.006	.000	-4.299	-3.494
172	172	Pile Head	3121.132	13.489	218.166	-.004	-107746.491	6964.792
		Structure	3120.363	13.484	218.172	-.004	-107750.529	6961.313
		Difference	-.768	-.005	.005	.000	-4.038	-3.478

*** Pile Head And Structure Force Comparison In Pile Coordinate System ***

Load Case	Pile Joint	Pile Head Structure Difference	Forces (Kips)			Moments (In-Kips)		
			X	Y	Z	X	Y	Z
8	182	Pile Head	3270.405	166.830	145.804	-.002	-74534.176	85601.193
		Structure	3269.655	166.830	145.811	-.002	-74539.293	85601.492
		Difference	-.751	.001	.007	.000	-5.117	.300
Max. Difference			-2.928	.039	-.033	.000	17.064	30.906
Pile Joint No.			200	182	142	152	142	182
Load Case No.			6	7	7	7	7	7

Friday 7/22/94 15: 4:30

Time For PREP Module	=	0: 3:58
Time For LOAD Module	=	0:29: 2
Time For SOLVE Module	=	1:10:46

Total Processing Time	=	1:43:47

8.2.3 WD103US.OT3
(Deflection & Stress Unity Check)

Joint Deflection Report	pp. 1 - 25
Group Summary Report - Three Most Restrictive Members	pp. 26 - 28
Report with Element Stress @ Maximum Unity Check	pp. 29 - 46
(Not Printed	pp. 47 - 82)
Member Group Summary Report.....	pp. 83 - 98
Global Equilibrium Check.....	p. 99
End Page.....	p. 100

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
1	6	29.1704784	20.5250586	-2.7448830	.0015559	-.0010989	.0016890
	7	15.8249237	26.9374276	-2.3581603	.0019389	-.0002579	.0029775
	8	.9740605	29.0168130	-1.8219638	.0020577	.0004702	.0035939
2	6	29.0829328	21.6793749	-1.9269899	.0021177	-.0012449	.0009380
	7	15.7657736	28.1944482	-2.0011048	.0026784	-.0003559	.0016162
	8	.9479583	30.1235344	-1.9464811	.0028606	.0004380	.0017546
3	6	29.0334129	22.9213029	-1.6169174	.0022499	-.0008734	.0010595
	7	15.6848365	29.5964801	-1.9340750	.0030454	.0000693	.0016157
	8	.8466859	31.4011814	-2.1033621	.0033903	.0008573	.0017002
4	6	28.7799428	23.6337254	-.9106640	.0012791	-.0007104	-.0013607
	7	15.4635053	30.2511935	-1.7124778	.0017480	.0001367	-.0006243
	8	.6734531	31.8414213	-2.3751457	.0019519	.0008229	.0001196
5	6	27.7760653	20.3894928	-1.2386120	.0018591	-.0009276	.0080582
	7	14.3768729	26.7698492	-.4582026	.0021589	-.0000660	.0074041
	8	-.2381369	28.8301474	.1808358	.0021722	.0007063	.0050950
6	6	27.8557846	21.6288414	-.4766327	.0022101	-.0010325	.0063515
	7	14.4213008	28.2108169	-.1691948	.0028776	-.0000424	.0055432
	8	-.2413670	30.1795228	-.0053474	.0031512	.0008505	.0035581
7	6	27.8826358	22.7548823	-.0959349	.0021595	-.0012691	.0066091
	7	14.4782208	29.3657024	-.0367922	.0027817	-.0003195	.0055329
	8	-.1715885	31.1288739	-.1083624	.0030395	.0005774	.0033726
8	6	27.8069815	23.5421555	.6818023	.0009250	-.0011254	.0080453
	7	14.3771966	30.1998445	.2732779	.0014556	-.0002042	.0062071
	8	-.3043305	31.8061177	-.2837441	.0018172	.0006862	.0025392
9	6	28.9047317	20.1785997	-2.7672986	.0023880	-.0017546	.0018479
	7	15.7112996	26.5236659	-2.3816716	.0028753	-.0008366	.0027090
	8	1.0017221	28.5890483	-1.8471394	.0029794	.0000737	.0029787
10	6	28.8514718	21.2597168	-1.9833324	.0026750	-.0013900	.0015051
	7	15.6770910	27.6826201	-2.0531932	.0032498	-.0005888	.0019376
	8	.9908804	29.5860789	-1.9936315	.0033997	.0001829	.0018561
11	6	28.8346496	22.4625551	-1.6519427	.0029123	-.0012978	.0015502
	7	15.6490780	28.9872654	-1.9739048	.0037907	-.0003763	.0019019
	8	.9547011	30.7237391	-2.1486161	.0041631	.0004858	.0017807
13	6	28.7562301	23.3978129	-.9785284	.0017618	-.0002110	-.0000746
	7	15.5717289	29.9497868	-1.7782557	.0021908	.0005676	.0004615
	8	.8832234	31.5050634	-2.4388737	.0023904	.0012233	.0008237
14	6	27.6420920	20.1240003	-1.2631594	.0017166	-.0008980	.0058039
	7	14.3780870	26.4567176	-.4846395	.0020840	-.0000951	.0054328
	8	-.1250564	28.5137469	.1526325	.0021255	.0005889	.0038522

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
15	6	27.6604664	21.2447509	-.5314377	.0023858	-.0012356	.0044067
	7	14.3964900	27.6881348	-.2196464	.0032326	-.0002850	.0040588
	8	-.1115185	29.6012057	-.0511754	.0035423	.0005989	.0028558
16	6	27.6635239	22.3978708	-.1326933	.0022235	-.0012746	.0044778
	7	14.4103350	28.9039775	-.0776457	.0028559	-.0004466	.0039730
	8	-.0932653	30.6293892	-.1536525	.0030599	.0003758	.0026725
17	6	27.6561826	23.3723976	.6165733	.0014199	-.0009319	.0059124
	7	14.3853689	29.9387925	.2092400	.0020072	-.0000075	.0048158
	8	-.1392082	31.4988567	-.3461021	.0022489	.0009329	.0023880
18	6	28.7546522	19.9644069	-2.7761569	.0025770	-.0016575	.0019123
	7	15.6404217	26.2625848	-2.3909676	.0031997	-.0007291	.0026003
	8	1.0111331	28.3168876	-1.8571000	.0036337	.0002232	.0027296
19	6	28.7336694	21.0260046	-2.0057403	.0027331	-.0013150	.0017348
	7	15.6272006	27.3969634	-2.0739022	.0033853	-.0005310	.0020677
	8	1.0076013	29.2867678	-2.0123684	.0035618	.0002506	.0018971
20	6	28.7237391	22.2105283	-1.6658371	.0028960	-.0012176	.0017489
	7	15.6147727	28.6622842	-1.9897180	.0036868	-.0003700	.0020177
	8	.9938588	30.3698455	-2.1665955	.0039618	.0004613	.0018133
21	6	28.7190903	23.2262955	-1.0055379	.0023372	-.0008618	.0004463
	7	15.6039197	29.7368524	-1.8044319	.0029005	.0000138	.0009012
	8	.9775095	31.2753205	-2.4642312	.0030858	.0008496	.0011088
23	6	27.5550643	19.9588735	-1.2728692	.0022824	-.0011968	.0048911
	7	14.3624105	26.2543722	-.4951038	.0028152	-.0003134	.0046346
	8	-.0774449	28.3065004	.1414627	.0029076	.0005194	.0033490
24	6	27.5525884	21.0328016	-.5532315	.0025879	-.0012558	.0036192
	7	14.3669104	27.4051947	-.2397016	.0033663	-.0004054	.0034577
	8	-.0671698	29.2938633	-.0693841	.0036120	.0004192	.0025714
25	6	27.5553271	22.1967827	-.1472799	.0025483	-.0012417	.0036147
	7	14.3714699	28.6472345	-.0938677	.0032248	-.0004459	.0033414
	8	-.0626069	30.3554316	-.1716464	.0034234	.0003569	.0023890
26	6	27.5662286	23.2257766	.5906164	.0021372	-.0012764	.0050486
	7	14.3747751	29.7389204	.1837587	.0028074	-.0003412	.0042525
	8	-.0683582	31.2783878	-.3709125	.0030503	.0006229	.0023267
27	6	28.1378142	19.9667858	-2.0357241	.0028771	-.0005599	.0017071
	7	14.9910387	26.2656347	-1.4512299	.0036412	.0000644	.0018225
	8	.4645432	28.3196393	-.8631277	.0038415	.0005683	.0015707
28	6	28.2369569	21.0283537	-1.2905352	.0027050	-.0015158	.0020137
	7	15.0676036	27.3999955	-1.1684073	.0034086	-.0006479	.0021792
	8	.5056079	29.2894567	-1.0519246	.0036055	.0002575	.0018990

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
29	6	28.2354923	22.2044952	-.9078723	.0028444	-.0015044	.0019899
	7	15.0631353	28.6551446	-1.0427157	.0035310	-.0006202	.0021800
	8	.4988233	30.3624073	-1.1704900	.0036959	.0003019	.0019162
30	6	28.1308009	23.2357051	-.2186653	.0031561	-.0000676	.0018950
	7	14.9848197	29.7491169	-.8247850	.0039113	.0004838	.0021674
	8	.4600990	31.2879337	-1.4345938	.0041020	.0008044	.0020439
31	6	29.2412473	21.0503420	-2.6871684	.0026902	-.0002485	.0027015
	7	16.1721232	27.4194138	-2.9230413	.0033853	.0002444	.0028265
	8	1.4741729	29.3082218	-2.9085836	.0035824	.0007019	.0024593
33	6	29.2448206	22.2212954	-2.3662917	.0027286	-.0010147	.0017862
	7	16.1756459	28.6673851	-2.8565715	.0033986	-.0005192	.0019195
	8	1.4776868	30.3706109	-3.0770020	.0035618	-.0000560	.0015626
34	6	27.0214965	20.9934929	.0582989	.0026401	-.0004804	.0016735
	7	13.8066633	27.3637947	.5407474	.0033324	.0000307	.0018433
	8	-.5403849	29.2542904	.7585434	.0035315	.0005257	.0015318
35	6	27.0254326	22.1807191	.4887646	.0028117	-.0012091	.0025673
	7	13.8106674	28.6264780	.7085556	.0034933	-.0006986	.0027280
	8	-.5363575	30.3289160	.6748135	.0036640	-.0002060	.0024097
36	6	28.7176526	21.6121734	-1.8650305	.0028560	-.0004489	.0021772
	7	15.6159891	28.0200294	-2.0591828	.0035566	-.0000836	.0023210
	8	1.0024796	29.8163333	-2.1155450	.0037485	.0002394	.0019787
37	6	27.5443869	21.6105390	-.3854110	.0026430	-.0005958	.0021589
	7	14.3654995	28.0183838	-.2027375	.0033426	-.0002195	.0023044
	8	-.0623101	29.8146911	-.1562529	.0035319	.0001246	.0019665
38	6	28.1345426	21.6116370	-1.1515529	.0027267	-.0005115	.0021749
	7	14.9920808	28.0195453	-1.1572282	.0034216	-.0001459	.0023171
	8	.4690191	29.8158531	-1.1619978	.0036119	.0001815	.0019715
39	6	29.2428409	21.6133592	-2.6069573	.0031342	-.0005460	.0021902
	7	16.1738183	28.0211634	-2.9699078	.0038404	-.0001088	.0023234
	8	1.4759950	29.8174662	-3.0724407	.0040330	.0002900	.0019691
40	6	27.0231808	21.6087944	.1975404	.0024141	-.0007337	.0021807
	7	13.8085112	28.0165788	.5487651	.0031196	-.0002825	.0023302
	8	-.5383767	29.8128858	.6406512	.0033087	.0001443	.0019920
41	6	28.7493875	20.4934019	-2.3843247	.0022631	-.0016959	.0022270
	7	15.6363818	26.8275222	-2.2332212	.0029591	-.0007002	.0023477
	8	1.0087237	28.7989510	-1.9442152	.0031345	.0003413	.0019791
43	6	27.5595478	20.4973767	-.9153577	.0031298	-.0016033	.0020820
	7	14.3672821	26.8316136	-.3763227	.0038564	-.0005898	.0022510
	8	-.0733444	28.8031977	.0206686	.0040795	.0004348	.0019481

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
44	6	28.1504703	20.4956158	-1.7442772	.0027243	-.0016364	.0022264
	7	14.9995988	26.8298369	-1.4012706	.0034447	-.0006352	.0023741
	8	.4673376	28.8013318	-1.0614945	.0036454	.0003921	.0020227
45	6	28.7520333	20.2194772	-2.5844653	.0025763	-.0016154	.0022693
	7	15.6384089	26.5529712	-2.3140592	.0031640	-.0006376	.0023030
	8	1.0099277	28.5810456	-1.8997704	.0032679	.0003877	.0018552
46	6	28.7417134	20.7583800	-2.1856520	.0023960	-.0015566	.0021849
	7	15.6316931	27.1095494	-2.1503868	.0031186	-.0006348	.0023412
	8	1.0078136	29.0393428	-1.9826458	.0033483	.0003249	.0020077
47	6	27.5573203	20.3138322	-1.1039335	.0022642	-.0015140	.0016714
	7	14.3648529	26.6157390	-.4421676	.0029617	-.0005070	.0019250
	8	-.0753967	28.5976050	.0790400	.0032561	.0005106	.0017973
48	6	27.5565027	20.7573817	-.7274827	.0031584	-.0014901	.0022353
	7	14.3673972	27.1097500	-.3069764	.0037682	-.0005480	.0023748
	8	-.0701843	29.0412816	-.0297690	.0038133	.0004031	.0020187
49	6	28.7368373	20.9248525	-2.0727291	.0024018	-.0014522	.0022048
	7	15.6287160	27.2879154	-2.1050756	.0031288	-.0006285	.0023562
	8	1.0072399	29.1923077	-2.0073229	.0033507	.0002124	.0020154
50	6	27.5545597	20.9264549	-.6182951	.0029737	-.0013954	.0021847
	7	14.3674643	27.2899064	-.2669242	.0036693	-.0005299	.0023451
	8	-.0681791	29.1947752	-.0593300	.0038583	.0003244	.0020119
51	6	28.1477070	20.9258225	-1.4140162	.0026922	-.0014164	.0021870
	7	14.9990411	27.2890059	-1.2523886	.0034041	-.0005755	.0023288
	8	.4692948	29.1935299	-1.0974956	.0036090	.0002684	.0019814
53	6	29.2409934	20.9268803	-2.6995402	.0026514	-.0002907	.0027541
	7	16.1718501	27.2902773	-2.9136716	.0034110	.0002018	.0028889
	8	1.4738762	29.1950722	-2.8790113	.0036780	.0006588	.0025333
54	6	27.0212300	20.9243583	.0357897	.0026736	-.0005222	.0016133
	7	13.8063672	27.2873270	.5408193	.0033064	-.0000116	.0017704
	8	-.5407110	29.1916848	.7804965	.0034336	.0004830	.0014459
55	6	28.7255883	21.3041135	-1.9209589	.0027268	-.0004149	.0022710
	7	15.6215562	27.6999210	-2.0600643	.0034337	.0000229	.0023596
	8	1.0060395	29.5487796	-2.0664038	.0036348	.0004291	.0019710
56	6	27.5484251	21.3710450	-.4597344	.0027929	-.0005323	.0017860
	7	14.3661758	27.7507681	-.2206482	.0034791	-.0000838	.0019839
	8	-.0647331	29.5747177	-.1213762	.0036336	.0003404	.0017699
57	6	28.7206470	21.9257365	-1.7819309	.0028441	-.0007168	.0023351
	7	15.6153662	28.3512896	-2.0316240	.0035484	-.0002713	.0024763
	8	.9981923	30.0985329	-2.1383776	.0037419	.0001393	.0021210

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
58	6	27.5498193	21.8546299	-.2819246	.0025922	-.0008785	.0018315
	7	14.3684804	28.2979292	-.1558996	.0033211	-.0004285	.0020938
	8	-.0624269	30.0709240	-.1626363	.0035615	.0000016	.0019179
59	6	28.7250745	22.2856507	-1.6207285	.0026200	-.0012128	.0020394
	7	15.6147249	28.7378806	-1.9796191	.0033015	-.0003153	.0020558
	8	.9923328	30.4276500	-2.1914273	.0034643	.0005854	.0016087
60	6	27.5573221	22.2912933	-.1001880	.0030689	-.0012941	.0019882
	7	14.3719623	28.7429619	-.0796743	.0037848	-.0004658	.0021223
	8	-.0637915	30.4320160	-.1908947	.0039800	.0003819	.0017931
61	6	28.1392589	22.2878735	-.9710087	.0028213	-.0010135	.0022364
	7	14.9946240	28.7398200	-1.1425374	.0035257	-.0005093	.0024069
	8	.4688098	30.4293243	-1.3062486	.0037125	-.0000044	.0020824
63	6	29.2451191	22.2887795	-2.3267409	.0029920	-.0009751	.0017144
	7	16.1759195	28.7405563	-2.8369174	.0036159	-.0004800	.0018711
	8	1.4779376	30.4298521	-3.0759544	.0037242	-.0000170	.0015364
64	6	27.0257734	22.2876681	.5362165	.0025792	-.0011689	.0026708
	7	13.8109909	28.7396740	.7355492	.0033258	-.0006590	.0028212
	8	-.5360581	30.4291699	.6820419	.0035710	-.0001671	.0024887
65	6	28.7256291	22.4532122	-1.5173675	.0026999	-.0013257	.0021407
	7	15.6140615	28.9125073	-1.9506234	.0033338	-.0003723	.0022808
	8	.9904320	30.5715413	-2.2379014	.0034784	.0005983	.0019413
66	6	28.7272714	22.7164250	-1.3489691	.0022994	-.0014585	.0022067
	7	15.6120657	29.1963106	-1.9036501	.0030293	-.0004216	.0023333
	8	.9847423	30.8174236	-2.3151889	.0032617	.0006417	.0019707
67	6	28.7231902	23.0253540	-1.1676192	.0022215	-.0015122	.0024852
	7	15.6079930	29.5105665	-1.8485106	.0029262	-.0004780	.0025401
	8	.9811157	31.0729341	-2.3894988	.0032166	.0005801	.0020750
68	6	27.5612811	22.4614292	.0139233	.0023858	-.0014857	.0021999
	7	14.3738676	28.9231406	-.0375422	.0031699	-.0005503	.0023266
	8	-.0643636	30.5837502	-.2228881	.0034969	.0004168	.0019635
69	6	27.5671904	22.7210613	.2008622	.0034257	-.0015977	.0020435
	7	14.3767101	29.2008015	.0318025	.0041078	-.0005865	.0022247
	8	-.0652212	30.8216524	-.2756084	.0042419	.0004629	.0019449
70	6	27.5667196	22.8816535	.4015203	.0031232	-.0016787	.0014552
	7	14.3757462	29.4079491	.1110938	.0036694	-.0006842	.0017976
	8	-.0667938	31.0383695	-.3227455	.0036281	.0003512	.0018050
71	6	28.1460882	22.7189915	-.6855782	.0028657	-.0015060	.0021592
	7	14.9949686	29.1988404	-1.0442220	.0035825	-.0004863	.0022918
	8	.4621861	30.8198285	-1.3970620	.0037796	.0005616	.0019381

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
73	6	28.6055968	19.7124155	-2.7846365	.0026532	-.0015054	.0019230
	7	15.5791767	25.9455392	-2.3994715	.0033620	-.0005943	.0025125
	8	1.0402375	27.9816165	-1.8656378	.0035651	.0003453	.0025658
74	6	28.6093476	20.7637954	-2.0169661	.0027044	-.0012553	.0018402
	7	15.5795956	27.0684624	-2.0849370	.0034149	-.0004609	.0021191
	8	1.0373316	28.9397887	-2.0231913	.0036173	.0003431	.0019046
75	6	28.6079934	21.9354121	-1.6742212	.0028337	-.0011855	.0018553
	7	15.5790654	28.3163761	-1.9983156	.0035413	-.0003705	.0020919
	8	1.0379362	30.0026326	-2.1754372	.0037331	.0004473	.0018542
76	6	28.6080674	22.9765335	-1.0308643	.0027638	-.0012949	.0007314
	7	15.5802532	29.4264259	-1.8297517	.0034368	-.0003620	.0011393
	8	1.0403120	30.9477893	-2.4895503	.0036127	.0005782	.0012651
77	6	27.4283251	19.7150323	-1.2814865	.0026931	-.0013927	.0043567
	7	14.3226368	25.9510363	-.5037277	.0033642	-.0004707	.0041720
	8	-.0318837	27.9899483	.1328496	.0035285	.0004522	.0030672
78	6	27.4313320	20.7744851	-.5644245	.0027557	-.0012425	.0031920
	7	14.3251967	27.0768289	-.2507034	.0034599	-.0004365	.0031217
	8	-.0301504	28.9460070	-.0801852	.0036425	.0003692	.0023991
79	6	27.4348127	21.9413296	-.1551614	.0027445	-.0012544	.0031824
	7	14.3285044	28.3240654	-.1019233	.0034619	-.0004520	.0030357
	8	-.0270654	30.0120751	-.1798782	.0036741	.0003613	.0022680
80	6	27.4316133	22.9840897	.5651858	.0027348	-.0014526	.0044956
	7	14.3290746	29.4303573	.1583462	.0034467	-.0005276	.0038794
	8	-.0223385	30.9483544	-.3963007	.0036583	.0004271	.0022604
81	6	28.4992016	19.5199078	-2.7924621	.0026753	-.0015055	.0019329
	7	15.5383343	25.7004018	-2.4073198	.0034056	-.0005859	.0024318
	8	1.0671419	27.7212346	-1.8735176	.0036138	.0003656	.0024154
83	6	28.5219858	20.5713603	-2.0273478	.0026167	-.0011524	.0019370
	7	15.5487213	26.8239041	-2.0951409	.0033364	-.0003968	.0021662
	8	1.0637413	28.6801357	-2.0331979	.0035475	.0003658	.0019114
84	6	28.5241343	21.7335489	-1.6819578	.0027718	-.0011359	.0019529
	7	15.5525509	28.0650616	-2.0062510	.0034605	-.0003628	.0021600
	8	1.0691752	29.7390538	-2.1835998	.0036315	.0004112	.0018918
85	6	28.5087761	22.7688397	-1.0543710	.0029069	-.0013127	.0009931
	7	15.5494235	29.1681057	-1.8532521	.0036137	-.0003550	.0013579
	8	1.0792754	30.6768720	-2.5130501	.0037924	.0006191	.0014085
86	6	27.3242722	19.5130679	-1.2894402	.0028164	-.0014486	.0038661
	7	14.2858974	25.6980732	-.5116875	.0035277	-.0005070	.0037473
	8	-.0003639	27.7237649	.1248999	.0037127	.0004449	.0028086

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
87	6	27.3437814	20.5725328	-.5747757	.0028175	-.0011627	.0027998
	7	14.2941705	26.8254089	-.2608765	.0035098	-.0003992	.0028132
	8	-.0043177	28.6823390	-.0901715	.0036888	.0003649	.0022409
88	6	27.3448415	21.7387817	-.1624303	.0028537	-.0012307	.0027854
	7	14.2956054	28.0694003	-.1093542	.0035678	-.0004645	.0027550
	8	-.0020784	29.7422001	-.1874731	.0037688	.0003113	.0021570
89	6	27.3251820	22.7760444	.5415823	.0028872	-.0014311	.0039879
	7	14.2893285	29.1702743	.1347593	.0036101	-.0004963	.0035369
	8	.0067670	30.6736866	-.4198649	.0038106	.0004692	.0021994
90	6	28.2632355	19.5163268	-2.4108339	.0028298	-.0013975	.0016549
	7	15.2505181	25.6971461	-1.9262564	.0035700	-.0004994	.0019346
	8	.7873703	27.7190107	-1.3650676	.0037710	.0004097	.0018178
91	6	28.2293211	20.4964299	-1.6525182	.0027547	-.0011991	.0019553
	7	15.2487231	26.7288595	-1.6255368	.0034571	-.0004252	.0021518
	8	.8192047	28.5793840	-1.5364471	.0036586	.0003568	.0018901
92	6	28.2298319	21.6547136	-1.2891928	.0028891	-.0011969	.0019687
	7	15.2513985	27.9664060	-1.5181251	.0035918	-.0004107	.0021761
	8	.8238720	29.6353868	-1.6701483	.0037762	.0003818	.0019205
93	6	28.3448002	22.7668386	-.6228038	.0031634	-.0012270	.0014692
	7	15.3358211	29.1641636	-1.3263875	.0038754	-.0003138	.0018171
	8	.8596561	30.6716027	-1.9614195	.0040606	.0005949	.0018197
94	6	28.0358169	19.5142198	-2.0346646	.0028030	-.0013691	.0018217
	7	14.9966552	25.6961704	-1.4502134	.0035373	-.0004752	.0019427
	8	.5587858	27.7192519	-.8621794	.0037302	.0004234	.0016665
95	6	27.9568762	20.4954625	-1.2891589	.0026799	-.0012203	.0021125
	7	14.9527727	26.7280287	-1.1670558	.0033865	-.0004412	.0022607
	8	.5617369	28.5787887	-1.0505550	.0035901	.0003481	.0019407
96	6	27.9558833	21.6550553	-.9066162	.0028188	-.0012384	.0021204
	7	14.9516618	27.9665225	-1.0414234	.0035137	-.0004481	.0022855
	8	.5613352	29.6351968	-1.1691953	.0036922	.0003534	.0019750
97	6	28.1101981	22.7681079	-.2152445	.0029914	-.0012257	.0020453
	7	15.0602926	29.1641647	-.8213024	.0037232	-.0003263	.0022772
	8	.5947742	30.6702644	-1.4309933	.0039174	.0005672	.0020745
98	6	27.7492502	19.5121233	-1.6550593	.0027420	-.0013952	.0025415
	7	14.7024524	25.6952090	-.9727183	.0034552	-.0004874	.0025392
	8	.3180166	27.7195083	-.3597568	.0036316	.0004273	.0020002
99	6	27.6551150	20.4944914	-.9284011	.0026249	-.0012269	.0023874
	7	14.6349052	26.7271939	-.7106265	.0033363	-.0004470	.0024749
	8	.2931960	28.5781899	-.5666850	.0035376	.0003437	.0020535

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
101	6	28.5170004	21.6880454	-.9855348	-.0022833	.0030449	.0006166
	7	15.1364095	27.8858747	-.8753372	-.0028845	.0019154	.0011706
	8	.5377875	29.7359216	-.8430853	-.0029432	.0004313	.0013057
102	6	28.6661708	22.6823859	-.9806949	-.0016086	.0028357	.0008059
	7	15.2682410	28.8923120	-.9648345	-.0023634	.0017759	.0015418
	8	.6352068	30.5457260	-.9801395	-.0026594	.0003870	.0017563
103	6	26.7266058	21.6545570	-1.1610658	-.0014780	.0025796	.0029707
	7	13.2057691	27.7452029	-1.2632231	-.0023458	.0014348	.0025610
	8	-1.1404729	29.5019280	-1.3057330	-.0027544	.0000404	.0017760
104	6	26.6037575	22.8541862	-1.1960195	-.0023401	.0027973	.0034492
	7	13.0988820	29.0918558	-1.3846768	-.0030718	.0016149	.0031590
	8	-1.2176607	30.7345812	-1.4600344	-.0032256	.0001672	.0024146
105	6	27.6535767	21.6554040	-.5283056	.0027389	-.0012668	.0023868
	7	14.6316993	27.9666426	-.5694056	.0034341	-.0004770	.0024745
	8	.2898457	29.6350056	-.6729628	.0036179	.0003275	.0020528
106	6	27.7833380	22.7693980	.1828598	.0027528	-.0013037	.0028512
	7	14.7174099	29.1641899	-.3234452	.0034944	-.0003948	.0028257
	8	.3050498	30.6689499	-.9059167	.0037008	.0005222	.0021911
107	6	28.6396580	20.4955195	-2.2230628	.0025163	-.0011590	.0019303
	7	15.7055654	26.7277801	-2.3462897	.0032278	-.0003998	.0021561
	8	1.2226298	28.5781813	-2.3003697	.0034334	.0003676	.0019036
108	6	28.6433837	21.6536407	-1.8922838	.0027006	-.0011421	.0019442
	7	15.7102453	27.9653363	-2.2715395	.0034042	-.0003660	.0021540
	8	1.2285048	29.6343132	-2.4634993	.0035904	.0004122	.0018918
109	6	27.0968553	20.4943187	-.3467009	.0029199	-.0011545	.0027408
	7	14.0672311	26.7271492	.0221537	.0036234	-.0003911	.0027643
	8	-.1664945	28.5784942	.2073959	.0038087	.0003712	.0022136
110	6	27.0968044	21.6572544	.0627941	.0028850	-.0012167	.0027316
	7	14.0704443	27.9680204	.1714221	.0035979	-.0004503	.0027186
	8	-.1604838	29.6357564	.1092914	.0038032	.0003236	.0021464
111	6	27.6176855	19.0758192	-.4446820	-.0021182	.0006152	.0024775
	7	14.5774265	24.7839309	-.3134644	-.0027732	.0006714	.0032732
	8	.4254042	26.7327687	-.4004185	-.0029485	.0004962	.0034299
112	6	27.2687321	18.7280363	-3.9183733	-.0126909	.0187651	.0010797
	7	14.2787848	24.4837437	-3.2989983	-.0168477	.0104968	.0039057
	8	.2326990	26.5362314	-2.3402252	-.0184090	.0008659	.0058650
113	6	28.4976759	19.7854889	-2.5852368	.0025920	-.0016734	.0022704
	7	15.5371260	26.0135256	-2.3147085	.0033040	-.0007073	.0025108
	8	1.0666972	28.0185014	-1.9003316	.0035125	.0003024	.0022541

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
114	6	28.5023472	20.0738674	-2.3834303	.0026089	-.0016812	.0023704
	7	15.5386920	26.3056995	-2.2322384	.0031769	-.0007020	.0023288
	8	1.0648071	28.2572611	-1.9431461	.0032685	.0003245	.0018124
115	6	27.5720485	20.0678466	-.6338738	-.0019198	.0002830	.0021684
	7	14.5487886	25.9262858	-.5233364	-.0028745	.0003324	.0020667
	8	.4191021	27.8053310	-.5723554	-.0033162	.0002811	.0015609
116	6	28.5071966	20.3392718	-2.1832029	.0026942	-.0014800	.0020022
	7	15.5403558	26.5724979	-2.1473093	.0033539	-.0005706	.0021591
	8	1.0629179	28.4672058	-1.9788579	.0035190	.0003723	.0018167
117	6	28.5391705	20.8470458	-1.9257648	.0027101	-.0005569	.0021472
	7	15.5580170	27.1236449	-2.0625056	.0034243	-.0001159	.0022764
	8	1.0642143	28.9385236	-2.0663397	.0036283	.0002920	.0019242
118	6	28.5379734	21.1451575	-1.8624509	.0027431	-.0005482	.0022492
	7	15.5572171	27.4370727	-2.0565619	.0034285	-.0001187	.0023580
	8	1.0637860	29.2020574	-2.1129088	.0036124	.0002746	.0019820
119	6	28.5366571	21.4491313	-1.7774645	.0028233	-.0006350	.0022236
	7	15.5563653	27.7571334	-2.0298158	.0035149	-.0001783	.0023626
	8	1.0633801	29.4726005	-2.1393579	.0036964	.0002408	.0020152
120	6	28.5158489	21.9994434	-1.5146984	.0026923	-.0013792	.0023373
	7	15.5516458	28.3465352	-1.9478321	.0034336	-.0004258	.0024774
	8	1.0764021	29.9762053	-2.2352674	.0036725	.0005442	.0021133
121	6	27.5304974	20.7500640	-.7544807	-.0017391	.0006324	.0018217
	7	14.5227148	26.5348046	-.6627241	-.0029668	.0006880	.0018909
	8	.4133642	28.2153854	-.6845365	-.0036511	.0005592	.0015565
122	6	27.5268996	20.6214702	-2.0075039	-.0144738	.0187736	-.0012750
	7	14.5207069	26.3560691	-2.4051379	-.0188165	.0102669	.0004482
	8	.4133189	28.0294511	-2.4951081	-.0201752	.0005846	.0017283
123	6	26.4274616	21.1111149	-2.1745136	.0015968	-.0023917	.0020516
	7	13.5458091	26.8941454	-2.2242904	.0025371	-.0011946	.0019752
	8	-.2635775	28.5027360	-2.1106250	.0031044	.0001128	.0015218
124	6	26.4610660	21.5747337	-1.0793228	.0024301	-.0027872	.0022704
	7	13.5925206	27.3674804	-1.5813441	.0031975	-.0018293	.0022808
	8	-.2113638	28.8932801	-1.9908068	.0035149	-.0006884	.0018760
125	6	27.4528040	21.3471856	-.7802235	-.0029053	-.0005655	.0022152
	7	14.4751928	27.1367552	-.7770915	-.0042523	-.0002097	.0021161
	8	.4042335	28.7046839	-.8554435	-.0048311	.0001310	.0016135
126	6	28.5109688	22.3305263	-1.3471987	.0022980	-.0014495	.0028061
	7	15.5498777	28.6865945	-1.9019721	.0030381	-.0004168	.0028680
	8	1.0779984	30.2581797	-2.3136272	.0033620	.0006383	.0023535

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
127	6	28.5062245	22.6267523	-1.1710032	.0026849	-.0012511	.0017532
	7	15.5481497	28.9967281	-1.8515237	.0033303	-.0002404	.0019792
	8	1.0795255	30.5168168	-2.3917561	.0035000	.0007882	.0017562
128	6	27.3232852	19.9044188	-1.1019630	.0028053	-.0015482	.0025073
	7	14.2858891	26.0930666	-.4404668	.0034294	-.0005600	.0025574
	8	.0005557	28.0359093	.0800727	.0035301	.0004334	.0020268
129	6	27.3269807	20.0750976	-.9145984	.0022224	-.0015702	.0011346
	7	14.2868127	26.2886154	-.3755105	.0029370	-.0005639	.0014116
	8	-.0015270	28.2126935	.0215600	.0032475	.0004506	.0014019
130	6	27.3308414	20.2610371	-.7259600	.0025322	-.0014187	.0024572
	7	14.2878162	26.5030186	-.3054642	.0032901	-.0004878	.0025633
	8	-.0036221	28.4145215	-.0279194	.0035677	.0004495	.0021658
131	6	27.3867272	21.8653692	-.8211454	-.0016080	.0018017	.0019279
	7	14.4330849	27.6581357	-.8013892	-.0028149	.0013512	.0022777
	8	.3939922	29.1261362	-.8415583	-.0034719	.0005896	.0021265
132	6	27.3830956	21.7447976	-1.9917689	-.0147507	.0186402	-.0010507
	7	14.4310879	27.4881415	-2.4546254	-.0191322	.0101565	.0005268
	8	.3939435	28.9457576	-2.5955128	-.0204751	.0005319	.0017296
133	6	27.3582420	20.8995554	-.4637313	.0028288	-.0006578	.0020774
	7	14.3006235	27.1648133	-.2219737	.0035018	-.0001964	.0022425
	8	-.0064329	28.9635744	-.1199916	.0036443	.0002357	.0019386
134	6	27.3567574	21.1593936	-.3836405	.0027065	-.0006881	.0018587
	7	14.2991775	27.4519391	-.2010278	.0033866	-.0002467	.0020774
	8	-.0077305	29.2173901	-.1545723	.0035677	.0001701	.0018539
135	6	27.2868158	22.7366298	-.9139140	-.0020111	-.0006222	.0020843
	7	14.3744314	28.6060873	-.9308324	-.0031564	-.0003189	.0020846
	8	.3901650	29.9463699	-.9656273	-.0037091	-.0000215	.0016617
136	6	27.3551421	21.4175558	-.2786915	.0026210	-.0007926	.0020601
	7	14.2976869	27.7379783	-.1550272	.0033562	-.0003398	.0022314
	8	-.0089793	29.4702616	-.1642764	.0036011	.0000922	.0019286
137	6	27.3339981	22.0298936	.0158103	.0029781	-.0015009	.0020755
	7	14.2915585	28.3679983	-.0362890	.0036114	-.0005786	.0021830
	8	.0016301	29.9862159	-.2222594	.0037045	.0003728	.0018223
138	6	27.3279438	22.1819184	.2025003	.0031041	-.0016229	.0011462
	7	14.2889327	28.5653103	.0333384	.0036267	-.0006278	.0016164
	8	.0028754	30.1905540	-.2741797	.0035258	.0004076	.0018046
139	6	27.3220415	22.3904269	.4003537	.0025049	-.0014299	.0029125
	7	14.2863759	28.8140059	.1098334	.0032541	-.0004484	.0028809
	8	.0040963	30.4332861	-.3241267	.0035484	.0005716	.0022237

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
140	6	28.4891518	20.4960486	-2.0271024	.0026273	-.0011564	.0019290
	7	15.5374696	26.7283021	-2.0949003	.0033390	-.0003987	.0021546
	8	1.0742361	28.5786945	-2.0329601	.0035451	.0003658	.0019027
141	6	27.1770795	23.0351650	-1.0112809	-.0024538	.0022664	-.0007607
	7	14.3100102	28.9403419	-.9269153	-.0035315	.0010390	-.0001485
	8	.3859615	30.2447370	-.8286132	-.0039695	-.0004452	.0003839
142	6	27.0798979	23.1264040	-.0653723	-.0154591	.0179193	-.0055334
	7	14.3685798	28.8761827	-1.5354665	-.0198479	.0093632	-.0042698
	8	.5756875	30.0507846	-2.7396673	-.0209934	-.0000419	-.0024784
143	6	26.1502068	21.1265095	-1.6492121	.0039363	-.0020901	.0017470
	7	13.2495008	26.9024182	-1.4824656	.0054030	-.0012069	.0018111
	8	-.5193083	28.5030170	-1.2633221	.0060669	-.0001973	.0015217
144	6	26.1498429	21.5607279	-.4735303	.0042322	-.0021523	.0019858
	7	13.2487646	27.3614079	-.7563366	.0058089	-.0013344	.0021422
	8	-.5202756	28.8956157	-1.0695858	.0065069	-.0004151	.0018862
145	6	26.4789191	19.1988775	-.7756067	-.0004746	.0014473	.0021460
	7	13.4196350	24.9468514	-.6793850	-.0006827	.0006231	.0021923
	8	-.5345308	26.9049679	-.7026270	-.0007019	-.0004522	.0018443
146	6	26.1546306	21.9409716	-.9515171	-.0004160	.0045300	.0017077
	7	13.2511928	27.7944534	-1.0517155	-.0004476	.0028186	.0018382
	8	-.5204406	29.2997728	-1.1279455	-.0003491	.0007477	.0016274
147	6	27.3104155	20.4937706	-.5745120	.0027914	-.0011685	.0027300
	7	14.2826396	26.7266135	-.2606157	.0034930	-.0004034	.0027551
	8	.0060383	28.5779785	-.0899165	.0036811	.0003634	.0022083
148	6	26.4816503	23.1565894	-1.2492259	-.0004154	.0029868	.0014464
	7	13.4081485	29.1061146	-1.3852281	-.0006669	.0020695	.0016306
	8	-.5518735	30.4293406	-1.3909500	-.0007427	.0008879	.0014871
149	6	28.4917417	21.6540899	-1.6817704	.0027839	-.0011413	.0019445
	7	15.5422165	27.9657902	-2.0060647	.0034818	-.0003669	.0021549
	8	1.0809023	29.6347700	-2.1834161	.0036616	.0004087	.0018938
150	6	27.3095872	21.6568857	-.1622810	.0028341	-.0012328	.0027190
	7	14.2822874	27.9676343	-.1091944	.0035406	-.0004641	.0027088
	8	.0068376	29.6353423	-.1873004	.0037355	.0003147	.0021411
151	6	25.1254049	19.0898286	-1.0461343	-.0018965	.0023875	.0045095
	7	12.1627441	24.8101533	-1.1493864	-.0029022	.0011901	.0040554
	8	-1.4788829	26.7647039	-1.2510657	-.0033167	-.0001773	.0029311
152	6	25.1481335	19.0614745	-.7849189	-.0123594	.0164416	.0122080
	7	12.3416928	24.6266288	.6675890	-.0171208	.0079864	.0110160
	8	-1.1711235	26.4539631	1.8457323	-.0191180	-.0014361	.0075807

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
153	6	27.9258257	20.0438432	-1.7680814	.0027292	-.0015730	.0019698
	7	14.9187517	26.2618731	-1.4245295	.0034453	-.0005993	.0021079
	8	.5317938	28.2020959	-1.0832093	.0036413	.0003979	.0018114
154	6	27.9353126	21.1537862	-1.2531889	.0027367	-.0006076	.0020718
	7	14.9229190	27.4453752	-1.2587141	.0034372	-.0001887	.0022348
	8	.5320817	29.2101802	-1.2635724	.0036303	.0001970	.0019327
155	6	26.1550228	20.9210522	-1.1941023	-.0004285	.0044831	.0019072
	7	13.2520131	26.7164126	-1.1777178	-.0004501	.0028240	.0020041
	8	-.5193711	28.3775497	-1.1534934	-.0003442	.0008315	.0017221
156	6	27.9280501	22.2532792	-.7074167	.0028899	-.0014228	.0020507
	7	14.9224077	28.6175248	-1.0674519	.0036015	-.0004297	.0022482
	8	.5370167	30.2078209	-1.4249772	.0037898	.0005909	.0019947
159	6	25.2339977	20.3198952	-1.2324123	-.0020014	-.0005791	.0017701
	7	12.2141964	26.0685439	-1.2618621	-.0029062	-.0001892	.0019483
	8	-1.4845473	27.8002727	-1.2552223	-.0032438	.0001399	.0017158
161	6	25.3328680	20.8532431	-1.3260580	-.0020970	.0021160	.0018966
	7	12.2610421	26.5983721	-1.4169937	-.0029098	.0016977	.0017589
	8	-1.4897045	28.2285407	-1.4219884	-.0031774	.0010183	.0013096
162	6	25.3300423	20.5990891	1.1792683	-.0144378	.0173535	.0089356
	7	12.2596787	26.2897888	1.6232584	-.0190520	.0085408	.0069705
	8	-1.4894980	27.9043195	1.7718638	-.0204675	-.0011401	.0036261
163	6	25.8444306	21.1417959	-1.0686695	.0024284	-.0028288	.0014544
	7	12.9391132	26.9105325	-.6982973	.0031458	-.0018869	.0016674
	8	-.7752794	28.5031154	-.3884461	.0034463	-.0007063	.0015362
164	6	25.8119655	21.5465959	.1101118	.0019077	-.0026399	.0016560
	7	12.8940806	27.3551604	.0593155	.0029139	-.0015353	.0019501
	8	-.8255391	28.8977620	-.1439158	.0035079	-.0003008	.0018621
165	6	25.4047634	21.3482250	-1.4154072	-.0035358	-.0005522	.0014940
	7	12.3019565	27.1386517	-1.4890001	-.0046083	-.0002222	.0018075
	8	-1.4823340	28.7070320	-1.4540122	-.0048708	.0000627	.0017493
171	6	25.4904945	21.7777452	-1.4460314	-.0028401	.0007786	.0021386
	7	12.3502482	27.6297846	-1.6048416	-.0037155	.0008360	.0022947
	8	-1.4756231	29.1574876	-1.6146216	-.0039286	.0007038	.0020280
172	6	25.4876081	21.4933592	1.3594795	-.0154169	.0172439	.0092852
	7	12.3488786	27.2917831	1.7278130	-.0200566	.0085117	.0070104
	8	-1.4754216	28.8118054	1.7928624	-.0213352	-.0011064	.0034588
175	6	25.5671791	22.5165390	-1.5485562	-.0025557	-.0001013	.0016731
	7	12.3972330	28.5035755	-1.7326819	-.0033383	-.0000320	.0019341
	8	-1.4626993	29.9955168	-1.7299103	-.0035278	-.0000206	.0017829

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
181	6	25.6514046	23.0528862	-1.5742811	-.0022432	.0007200	.0013288
	7	12.4488381	28.9709313	-1.7752045	-.0029239	.0007201	.0007757
	8	-1.4485047	30.2806338	-1.7506215	-.0030876	.0005373	.0000353
182	6	25.1691470	22.5707653	3.2560057	-.0166965	.0172802	.0089646
	7	12.0099058	28.5301700	2.6315248	-.0209605	.0083974	.0053715
	8	-1.7868770	29.9386858	1.6581956	-.0215274	-.0011045	.0000760
199	6	26.0314136	21.2977788	-1.0783667	.0040249	-.0052898	.0018772
	7	13.1900942	27.0714385	-1.1378525	.0055499	-.0032597	.0019864
	8	-.5142864	28.6340128	-1.1869678	.0062406	-.0008723	.0017059
200	6	26.0280497	21.2949468	-.0920438	-.0138182	.0176358	.0000000
	7	13.1883862	27.0677710	-.0920438	-.0179606	.0092946	.0000000
	8	-.5141579	28.6301024	-.0920438	-.0191884	.0000029	.0000000
201	6	29.1421554	22.5760484	-1.3104286	-.0004468	.0007516	.0015731
	7	14.8926476	29.0632606	-1.3105247	-.0007308	.0001706	.0022257
	8	-.3795314	30.9626671	-1.2799563	-.0008311	-.0003992	.0023541
202	6	29.2410735	22.5655189	-1.1986395	-.0007781	.0005053	-.0000836
	7	15.5139930	29.0407314	-1.1001565	-.0012553	.0002080	.0010817
	8	.4929685	30.9321958	-1.0390716	-.0014497	-.0002339	.0016310
203	6	28.8567637	23.3068361	-1.0777986	-.0013667	-.0001692	-.0000895
	7	15.1405659	29.7961218	-1.0991607	-.0018726	-.0005191	.0012206
	8	.1845555	31.5357087	-1.1254371	-.0019936	-.0009210	.0018830
204	6	28.9936354	23.2776663	-1.4484739	-.0003316	.0006527	.0008952
	7	14.6582240	29.7646599	-1.6254386	-.0005790	-.0002015	.0013920
	8	-.6030292	31.5073120	-1.6819865	-.0006695	-.0009569	.0014648
205	6	29.2650128	22.5988630	-1.2096864	-.0005908	.0004318	-.0001007
	7	15.5182777	29.0951810	-1.1163918	-.0009779	.0002052	.0011087
	8	.4731623	30.9949785	-1.0574707	-.0011286	-.0001758	.0016833
206	6	28.8485015	23.3849207	-1.0835699	-.0015576	-.0001643	-.0001319
	7	15.1088160	29.9006620	-1.1127486	-.0020957	-.0004529	.0012219
	8	.1294450	31.6455957	-1.1441956	-.0022119	-.0008147	.0019229
207	6	27.0941787	22.3896170	-1.0463903	-.0014904	-.0000204	.0041953
	7	13.2736051	28.8762127	-1.0662959	-.0019467	-.0002945	.0031076
	8	-1.4285971	30.7966513	-1.0632133	-.0020161	-.0006163	.0016863
208	6	27.3610413	23.5532369	-.9285672	-.0009651	.0003500	.0041756
	7	13.4732598	30.0718133	-1.0838716	-.0015669	.0000441	.0033394
	8	-1.3230659	31.7974699	-1.1766223	-.0018173	-.0003667	.0021470
211	6	29.1881704	20.2196140	-.9359598	-.0004091	.0021197	.0015793
	7	15.5330696	26.3889945	-.6991321	-.0007005	.0014056	.0029981
	8	.5953660	28.4801228	-.6134098	-.0007808	.0004248	.0037391

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
212	6	28.8919308	19.9229896	-3.9326766	.0026711	-.0039902	.0018190
	7	15.2724347	26.1289443	-3.3309166	.0035892	-.0017160	.0030833
	8	.4188286	28.3050301	-2.3911671	.0040601	.0006402	.0036406
221	6	29.0432754	22.1996695	-1.1136642	-.0011508	.0006187	.0001145
	7	15.4545824	28.5009433	-.9777045	-.0013793	.0004085	.0008741
	8	.5930052	30.3318473	-.9014483	-.0012905	.0000948	.0011779
222	6	29.0447167	22.0994852	-2.1213438	.0027911	-.0042736	.0010297
	7	15.4553503	28.3492991	-2.5005264	.0034753	-.0019605	.0016710
	8	.5930232	30.1651184	-2.5753901	.0037127	.0003928	.0017475
223	6	28.7900823	22.4558156	-1.5144372	.0019150	.0002056	.0018790
	7	15.0495245	28.7843660	-1.5484144	.0021905	.0005805	.0020580
	8	.1371549	30.5822815	-1.5131569	.0021513	.0008600	.0018131
224	6	28.7749231	22.8755361	-1.4467410	.0015937	-.0004158	.0018231
	7	15.0310080	29.2379379	-1.5911861	.0017408	-.0001157	.0019500
	8	.1180784	30.9785094	-1.6523670	.0016846	.0001285	.0016866
225	6	29.0245184	22.6631981	-1.2834525	-.0015359	-.0001872	.0012597
	7	15.4322358	29.0082845	-1.2288483	-.0021613	.0001902	.0014270
	8	.5721413	30.7775229	-1.1799300	-.0023442	.0004823	.0013135
231	6	28.9578546	22.9932479	-1.0538464	-.0007682	-.0006566	.0003728
	7	15.3764843	29.3572955	-1.0304153	-.0010391	-.0007146	.0012661
	8	.5363943	31.0673737	-1.0255557	-.0010523	-.0007295	.0016008
232	6	28.9592757	22.8971972	-2.0214883	.0033178	-.0040842	.0012217
	7	15.3772448	29.2112279	-2.4987940	.0039037	-.0018732	.0017298
	8	.5364197	30.9045571	-2.6614127	.0039802	.0003685	.0017460
241	6	28.3540040	24.2234493	-1.0085529	.0004287	.0000942	-.0023955
	7	14.8730878	30.6772252	-1.0495097	-.0000109	.0001270	-.0013149
	8	.2044986	32.1997533	-1.0559141	-.0002769	.0000964	-.0002120
242	6	28.2780751	24.3020441	-.2299645	.0039321	-.0049399	-.0013084
	7	14.9361176	30.6164944	-1.6766159	.0044645	-.0027055	-.0006317
	8	.3837481	32.0221331	-2.8604044	.0043635	-.0003870	.0000918
243	6	28.4552134	22.4376954	-1.1011230	.0028535	.0001066	.0020165
	7	14.6887587	28.7694893	-1.0640214	.0033494	.0004981	.0021499
	8	-.1765033	30.5728554	-1.0272898	.0033775	.0007991	.0018642
244	6	28.4512580	22.8938367	-1.1098710	.0022384	-.0002398	.0019174
	7	14.6875499	29.2524653	-1.2163230	.0025010	.0001588	.0020354
	8	-.1764396	30.9870289	-1.2867223	.0024372	.0004231	.0017469
251	6	26.5363879	20.4134238	-1.0554560	-.0003138	-.0001966	.0062931
	7	12.9882560	26.6561993	-1.0389089	-.0007501	-.0001188	.0053674
	8	-1.3809995	28.7716666	-1.0448622	-.0009999	-.0001335	.0036103

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
252	6	26.5579005	20.3942574	-.8528070	.0035260	-.0047841	.0084969
	7	13.1489282	26.4975518	.5714080	.0042391	-.0025415	.0078272
	8	-1.1060532	28.4981239	1.7234690	.0043321	.0000341	.0053827
253	6	28.6652298	22.1007225	-1.2185756	-.0003468	.0016822	.0021013
	7	14.8934212	28.4040020	-1.1838379	-.0007550	.0002804	.0021427
	8	-.0067419	30.2499756	-1.1431491	-.0009466	-.0008669	.0018710
254	6	28.4519425	22.0777194	-1.2011548	.0005509	.0009905	.0024408
	7	14.6859086	28.3812607	-1.1943952	.0003272	-.0000844	.0024203
	8	-.1784877	30.2305995	-1.1698886	.0001654	-.0009446	.0019942
255	6	28.4476616	23.1509259	-.8670213	.0004116	-.0009343	.0017019
	7	14.6846170	29.5171977	-.9973833	.0001754	-.0010142	.0017859
	8	-.1772718	31.2042152	-1.0739546	-.0000065	-.0011316	.0015300
261	6	27.0665807	21.9190648	-1.0825588	-.0005894	-.0007806	.0033429
	7	13.3662093	28.2186607	-1.1901067	-.0011399	-.0007571	.0029127
	8	-1.1999561	30.0872575	-1.2506247	-.0014311	-.0007132	.0020822
262	6	27.0679339	21.7126383	.9824700	.0033815	-.0043773	.0067625
	7	13.3668704	27.9556234	1.4415376	.0040745	-.0019890	.0059176
	8	-1.2000523	29.8013847	1.6091466	.0041787	.0005360	.0037937
263	6	28.1242948	22.4195564	-.6494772	.0022500	.0002719	.0021413
	7	14.3393837	28.7545879	-.5414041	.0025351	.0007054	.0022386
	8	-.4781758	30.5634032	-.5025579	.0025181	.0010265	.0019073
264	6	28.1388132	22.9121259	-.7645720	.0017431	.0002119	.0020368
	7	14.3572833	29.2669665	-.8356342	.0018558	.0007311	.0021184
	8	-.4598140	30.9955172	-.9200979	.0017404	.0010400	.0017968
265	6	27.1205089	22.6633459	-.9025927	-.0015281	.0002053	.0027186
	7	13.4031679	29.0078915	-1.0481576	-.0022313	.0006193	.0027476
	8	-1.1835320	30.7765743	-1.1502827	-.0025117	.0008902	.0022570
271	6	27.1294861	23.2797225	-1.0633797	-.0004926	-.0000220	.0039213
	7	13.4083981	29.6411901	-1.2806793	-.0006617	-.0002712	.0034950
	8	-1.1822636	31.3032527	-1.4009141	-.0006890	-.0005606	.0026197
272	6	27.1308506	23.0496962	1.2363073	.0031144	-.0045349	.0071074
	7	13.4090655	29.3544050	1.5871666	.0039180	-.0020574	.0059535
	8	-1.1823597	30.9994883	1.6368641	.0041521	.0005531	.0036248
281	6	27.2652620	24.0225917	-1.1125048	-.0006920	.0016386	.0027024
	7	13.4694012	30.4052024	-1.4104499	-.0010177	.0009344	.0015024
	8	-1.2012052	31.9023335	-1.5428291	-.0011204	.0000385	.0000668
282	6	26.8564126	23.6136856	3.0168837	.0031644	-.0047860	.0087441
	7	13.0907705	30.0275636	2.4075872	.0042069	-.0021407	.0068344
	8	-1.4992796	31.6060693	1.4566009	.0046771	.0006470	.0028716

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
299	6	28.5426912	22.6980080	-1.1299079	.0025655	.0000728	.0019746
	7	14.7460432	29.0522461	-1.1647015	.0029519	.0007052	.0020965
	8	-.1595928	30.8238463	-1.1824225	.0029345	.0011771	.0018038
300	6	28.5450757	22.7002312	-.1003241	.0023875	-.0019598	.0000000
	7	14.7472719	29.0551177	-.1003241	.0027634	-.0005616	.0000000
	8	-.1596597	30.8269211	-.1003241	.0027866	.0006922	.0000000
301	6	29.7408588	22.7078464	-1.3161587	.0001592	.0018510	.0016624
	7	15.2818852	29.3268354	-1.3251730	.0000179	.0016209	.0023093
	8	-.2394035	31.2703304	-1.2964287	-.0000569	.0011672	.0023576
302	6	29.7115011	22.7214753	-1.3977270	-.0004636	.0013917	-.0005458
	7	15.8867795	29.3507252	-1.3384068	-.0008204	.0014553	.0009097
	8	.6660878	31.3005464	-1.2722029	-.0009614	.0011433	.0016498
303	6	29.3583441	24.0737538	-1.2377578	-.0004493	.0022932	-.0006722
	7	15.5498520	30.8997971	-1.3612880	-.0008927	.0024498	.0007945
	8	.3902959	32.7459535	-1.4407524	-.0011076	.0021146	.0016240
304	6	29.7204702	24.0937323	-1.1549640	.0000914	.0012401	.0000525
	7	15.3363164	30.9240259	-1.3640327	-.0001417	.0016921	.0009494
	8	-.1606843	32.7702446	-1.4984353	-.0002799	.0016521	.0013785
311	6	29.3787914	20.8789830	-1.3170483	-.0003188	-.0003372	.0013498
	7	15.6446385	27.3891820	-1.0655487	-.0002393	.0002492	.0031960
	8	.5639812	29.6028003	-.8977328	-.0000228	.0006929	.0044278
312	6	28.5393521	20.1036533	-3.5484083	-.0018061	.0019296	.0016747
	7	15.2243328	26.3674138	-3.0310978	-.0023297	.0014434	.0033593
	8	.6229271	28.4991038	-2.2307164	-.0024264	.0006545	.0042879
321	6	29.3519772	22.6522091	-1.2541002	.0000224	.0003093	-.0002059
	7	15.5644112	29.2139239	-1.1830020	-.0002205	.0004914	.0012281
	8	.4505873	31.1399439	-1.1334378	-.0003486	.0004782	.0019234
322	6	28.6449891	21.9643428	-2.0575952	-.0014427	.0019721	.0004052
	7	15.3620093	28.2902945	-2.3493767	-.0020908	.0013276	.0013422
	8	.7468892	30.1380869	-2.3875835	-.0023297	.0004079	.0017460
331	6	28.8485944	23.7629315	-1.1110112	-.0007820	.0002768	-.0003588
	7	15.0533885	30.4175993	-1.1803890	-.0012661	.0004834	.0012005
	8	.0003081	32.1954095	-1.2386466	-.0014539	.0004764	.0020766
332	6	28.6057098	22.8221605	-1.8937382	-.0019491	.0019697	.0006164
	7	15.3125672	29.2575296	-2.3253068	-.0026631	.0013240	.0014101
	8	.6956071	31.0119128	-2.4915330	-.0028776	.0004102	.0017418
341	6	29.1292219	25.0320201	-1.0009265	-.0008273	.0007002	-.0036156
	7	15.3325577	31.8130026	-1.2805164	-.0013790	.0003899	-.0023223
	8	.2198856	33.4073966	-1.4853843	-.0016408	-.0001072	-.0008766

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
342	6	27.7865707	23.9671982	-.4677948	-.0013928	.0018030	-.0025152
	7	14.6684845	30.3684690	-1.7067842	-.0020796	.0010349	-.0016601
	8	.2844908	31.8584005	-2.7201013	-.0023510	.0000713	-.0006255
343	6	29.3391935	22.6398655	-1.3118960	.0000186	.0011163	.0023419
	7	14.9601618	29.2017914	-1.3170947	-.0001032	.0009198	.0025892
	8	-.4420354	31.1297859	-1.2880080	-.0001293	.0005821	.0023544
346	6	29.0611158	23.7855123	-1.2806720	.0000972	.0017225	.0025381
	7	14.6463282	30.4461564	-1.5600018	.0000488	.0016405	.0019603
	8	-.7236558	32.2257808	-1.7219402	.0000562	.0011823	.0012579
351	6	27.5824096	21.3782961	-1.0810087	-.0002843	.0007992	.0077966
	7	13.7329911	27.9543418	-.8253925	-.0008000	.0004639	.0066299
	8	-1.1050048	30.1146774	-.6360042	-.0010871	.0000102	.0044241
352	6	26.4399988	20.3425715	-.9236631	-.0007516	.0014134	.0095444
	7	13.2615535	26.5004298	.2898307	-.0014619	.0006494	.0087164
	8	-.8271194	28.4920465	1.2647985	-.0019058	-.0002157	.0059815
361	6	27.2538876	22.6246001	-1.0287587	-.0000894	.0004522	.0047322
	7	13.3987938	29.1860736	-.9931158	-.0002201	.0007726	.0032686
	8	-1.3755631	31.1159687	-.9485397	-.0002661	.0008917	.0015138
362	6	26.9079342	21.5705474	.5539513	-.0018733	.0013676	.0073370
	7	13.5315664	27.9223012	.9693771	-.0026160	.0007514	.0061916
	8	-.8099251	29.8326393	1.1378509	-.0028539	-.0000019	.0037399
371	6	27.5598991	23.7951972	-.8289768	-.0009265	.0003506	.0043195
	7	13.6425674	30.4579588	-.9378611	-.0014340	.0006318	.0032516
	8	-1.2293560	32.2380934	-1.0106314	-.0016058	.0007233	.0018982
372	6	26.9515441	22.8502507	.8419046	-.0015620	.0013740	.0076983
	7	13.5677763	29.2191328	1.1067064	-.0022654	.0007875	.0062380
	8	-.7855332	30.8989746	1.1220515	-.0025132	.0000450	.0035740
381	6	27.5887938	24.5164172	-.7360943	-.0007748	-.0002163	.0033920
	7	13.7212896	31.2542370	-1.0409231	-.0007349	.0003842	.0017076
	8	-1.1154220	32.9215336	-1.2464311	-.0005175	.0008534	-.0003931
382	6	26.6496142	23.3698845	2.2812341	-.0028416	.0011601	.0087381
	7	13.2603449	29.8384906	1.7562592	-.0033336	.0007166	.0063661
	8	-1.0734583	31.4648501	.9505480	-.0031007	.0002095	.0020501
411	6	29.8000113	21.3360973	-1.9067034	-.0003892	.0005432	.0010091
	7	16.0254441	27.9527710	-1.6029460	-.0004507	.0005936	.0032742
	8	.8036975	30.1369449	-1.2878372	-.0003960	.0004571	.0047963
412	6	29.6488403	21.1849572	-3.4271514	-.0008444	.0013203	.0016395
	7	15.8918652	27.8191012	-2.9470216	-.0010531	.0010301	.0032730
	8	.7123778	30.0454279	-2.2073332	-.0010411	.0004948	.0041653

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
421	6	29.8342571	22.8282423	-1.5384327	.0001133	-.0007791	-.0004520
	7	16.0554495	29.5663559	-1.4926450	.0000299	-.0003261	.0007885
	8	.8247650	31.5664885	-1.4115261	.0000164	.0000402	.0014091
422	6	29.8340787	22.7727714	-2.0894518	-.0007411	.0013042	.0004719
	7	16.0553445	29.4818561	-2.3321757	-.0012009	.0008434	.0013906
	8	.8247450	31.4722352	-2.3479931	-.0013770	.0001824	.0017685
423	6	29.4584653	23.2539409	-1.4078383	.0020843	.0005201	.0020269
	7	15.5783260	30.0585053	-1.4600344	.0026748	.0010676	.0023118
	8	.3422188	32.0320821	-1.4524414	.0028398	.0014430	.0020892
424	6	29.4421167	23.7270667	-1.4756050	.0017373	.0001326	.0019306
	7	15.5587047	30.5778203	-1.6760334	.0023086	.0005835	.0021716
	8	.3222941	32.4942165	-1.7817010	.0025733	.0008917	.0019366
425	6	29.7967413	23.4869157	-1.5128046	-.0002140	-.0003068	.0026474
	7	16.0078617	30.3142739	-1.6373427	-.0004254	.0001555	.0027265
	8	.7743615	32.2594146	-1.6864490	-.0004964	.0005808	.0024146
431	6	29.7326581	23.9904260	-1.3235874	.0002097	-.0000727	-.0002339
	7	15.9520243	30.8674385	-1.4874977	.0001436	.0001018	.0009508
	8	.7347597	32.7481300	-1.5834604	.0001398	.0001292	.0015727
432	6	29.7324649	23.9332275	-1.8914790	-.0011175	.0011275	.0007006
	7	15.9519013	30.7844782	-2.3114205	-.0016465	.0006515	.0014774
	8	.7347211	32.6571441	-2.4871781	-.0018008	.0000087	.0017819
441	6	29.2278463	24.8187654	-.9573131	.0020896	-.0006509	-.0041175
	7	15.4623278	31.6666142	-1.3970422	.0018584	-.0002226	-.0026958
	8	.3239099	33.3276576	-1.7430476	.0014751	.0001823	-.0010866
442	6	29.1938574	24.8524196	-.6170399	-.0004356	.0015192	-.0023911
	7	15.4995417	31.6291187	-1.7728582	-.0009987	.0009477	-.0015433
	8	.4206998	33.2306722	-2.7178108	-.0012566	.0002224	-.0005312
443	6	29.0993693	22.8469174	-1.1033510	.0016570	-.0005582	.0023641
	7	15.1958183	29.6181790	-.9777234	.0019707	-.0002757	.0024986
	8	.0141015	31.6421519	-.8826484	.0020219	-.0000645	.0022262
446	6	29.0994514	23.9927209	-.9232350	.0014822	-.0008001	.0016858
	7	15.1958668	30.8459561	-1.1038770	.0016641	-.0004164	.0018511
	8	.0140421	32.7072355	-1.2337520	.0016463	-.0001369	.0016408
451	6	27.8572172	21.3418688	-1.1252117	.0015882	-.0009825	.0086948
	7	14.0279201	27.9500508	-.7106811	.0014507	-.0005791	.0073776
	8	-.8658245	30.1250549	-.3849466	.0011142	-.0001805	.0048951
452	6	27.8659676	21.3328203	-1.0356522	-.0000211	.0008333	.0094133
	7	14.1079865	27.8697229	.0961276	-.0005242	.0002366	.0085814
	8	-.7271036	29.9861501	1.0115018	-.0009394	-.0004124	.0058652

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
461	6	28.1554289	22.8334480	-.7628666	-.0001457	-.0002495	.0050170
	7	14.2797567	29.6291169	-.6198836	-.0004475	-.0001691	.0040447
	8	-.7011773	31.6746155	-.5347477	-.0005790	-.0001429	.0024796
462	6	28.1552497	22.7273172	.2914433	-.0011531	.0006361	.0072639
	7	14.2796510	29.4964069	.6984700	-.0016246	.0001796	.0061344
	8	-.7011964	31.5327698	.8744033	-.0017690	-.0003244	.0037077
463	6	28.7350690	23.2371216	-.6350836	.0020485	.0005784	.0023434
	7	14.8062670	30.0536601	-.4506569	.0027025	.0010215	.0023858
	8	-.3265557	32.0400027	-.3593511	.0029871	.0012925	.0020003
464	6	28.7492750	23.7416732	-.7383895	.0022637	.0002553	.0022288
	7	14.8236655	30.5803174	-.7163317	.0028612	.0008813	.0022234
	8	-.3087096	32.4840941	-.7327817	.0030546	.0012726	.0018258
465	6	28.2125410	23.4862790	-.5719172	.0000341	-.0002730	.0014096
	7	14.3233622	30.3135700	-.4608603	-.0001497	.0002621	.0016649
	8	-.6775563	32.2587325	-.4213114	-.0002452	.0007168	.0014891
471	6	28.2403171	23.9593366	-.5137782	.0007959	-.0010509	.0053264
	7	14.3579707	30.7828247	-.5975601	.0008836	-.0005806	.0042415
	8	-.6421941	32.6246535	-.7053662	.0008780	-.0001515	.0026701
472	6	28.2401406	23.8472490	.6000647	-.0010230	.0006872	.0076296
	7	14.3578702	30.6399545	.8222136	-.0015494	.0002787	.0061872
	8	-.6422064	32.4713699	.8179312	-.0017515	-.0002076	.0035487
481	6	28.1980586	24.8073630	-.1344060	-.0006637	.0002318	.0047969
	7	14.3192381	31.6632378	-.4787688	-.0007436	.0003048	.0025787
	8	-.6731839	33.3340373	-.8230026	-.0005903	.0002618	-.0003044
482	6	27.9950811	24.6043902	1.9070783	-.0019892	.0006306	.0087704
	7	14.1312368	31.4751131	1.4127502	-.0021927	.0003639	.0064450
	8	-.8204548	33.1865409	.6593717	-.0018472	.0001015	.0021646
499	6	29.1705491	23.5256289	-1.0994248	.0023797	.0004715	.0021374
	7	15.2287063	30.3636219	-1.1121377	.0031379	.0011485	.0022793
	8	.0011036	32.3120352	-1.1178449	.0034332	.0016007	.0019684
500	6	29.1730506	23.5281123	-.1400600	-.0066289	.0065849	.0000000
	7	15.2300665	30.3668686	-.1400600	-.0087994	.0036041	.0000000
	8	.0011133	32.3155518	-.1400600	-.0095430	.0000223	.0000000
501	6	27.9932522	23.5399081	-.1605464	.0014113	-.0001873	.0065291
	7	14.2863362	30.3689477	-.1221866	.0017795	.0005487	.0050492
	8	-.5907783	32.2288841	-.1926396	.0019396	.0010851	.0027077
502	6	29.1130524	23.4721937	-1.4926359	.0004542	.0004196	.0003044
	7	15.4558844	30.3255425	-1.7746255	.0003943	.0012803	.0014701
	8	.3759196	32.2004412	-1.9343854	.0003935	.0018508	.0020935

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
503	6	29.3411716	22.3536940	-1.8134450	.0009773	.0001968	.0008392
	7	15.7221496	29.0831996	-1.8646883	.0012094	.0009084	.0019105
	8	.6461011	31.0959019	-1.8103646	.0013386	.0013442	.0022671
504	6	27.8933851	22.3056364	-.5456612	.0010994	-.0002726	.0065660
	7	14.1582887	29.0249715	-.2725513	.0012256	.0005412	.0051901
	8	-.7236320	31.0432438	-.1185601	.0012479	.0011699	.0028208
505	6	28.0443377	23.8310736	-.3787127	.0002977	-.0013803	.0053490
	7	14.2065444	30.6782969	-.4125725	.0001137	-.0011258	.0039794
	8	-.7522453	32.5412492	-.5030175	.0000077	-.0007917	.0021078
506	6	29.5182173	23.9412821	-1.3818963	.0006231	-.0015807	.0000998
	7	15.6836904	30.8241776	-1.5935389	.0006662	-.0015835	.0015358
	8	.4251247	32.6964740	-1.7184122	.0006853	-.0014937	.0023457
507	6	29.5756298	22.7886664	-1.6567623	.0004724	-.0011811	.0005053
	7	15.8235274	29.5658044	-1.6533235	.0003842	-.0009679	.0017783
	8	.6331591	31.5879073	-1.5857771	.0003118	-.0007338	.0022782
508	6	28.1005430	22.7791252	-.6887010	.0006610	-.0012787	.0053733
	7	14.1853259	29.5920435	-.4889394	.0007924	-.0012013	.0039849
	8	-.8383627	31.6367582	-.3705544	.0008695	-.0010071	.0019773
511	6	29.4151828	21.0538224	-2.2795681	.0012650	-.0008050	.0010295
	7	15.7394568	27.7117055	-1.9379569	.0019568	-.0000123	.0033035
	8	.6226572	29.9391433	-1.5228927	.0024012	.0006859	.0049422
512	6	29.6758173	21.1500140	-3.1203348	.0011286	-.0006696	.0016412
	7	15.9633500	27.7688515	-2.6826963	.0015786	-.0000158	.0031144
	8	.7787153	29.9506681	-2.0353542	.0018238	.0005296	.0038754
521	6	29.3312455	22.5791816	-1.7413206	.0010269	-.0003741	.0010534
	7	15.6311673	29.3477369	-1.7695977	.0011339	.0000724	.0023868
	8	.5054716	31.3757143	-1.7117967	.0011495	.0003895	.0028411
522	6	29.7956367	22.6229545	-2.0284899	.0011962	-.0009662	.0006989
	7	16.0396360	29.3929423	-2.1993288	.0014074	-.0003596	.0015109
	8	.8000641	31.4115587	-2.1852630	.0014734	.0001780	.0017689
531	6	29.1309654	23.6677482	-1.4067231	.0015231	-.0011382	.0000869
	7	15.3472157	30.5218257	-1.6572124	.0016128	-.0003823	.0017334
	8	.1695248	32.3921214	-1.8085802	.0015532	.0003285	.0027361
532	6	29.6030281	23.8672152	-1.7814420	.0011846	-.0010082	.0009141
	7	15.8334475	30.8087243	-2.1629178	.0013486	-.0004543	.0015879
	8	.6089944	32.7088001	-2.3393671	.0013968	.0000504	.0017778
541	6	29.4628751	24.4975338	-.8989804	.0011916	-.0004330	-.0031291
	7	15.6925764	31.4671078	-1.5747688	.0011280	-.0001064	-.0020171
	8	.4743556	33.1954392	-2.1225137	.0010133	.0001458	-.0007328

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
542	6	29.4145568	24.5348710	-.7407147	.0017082	-.0008329	-.0019416
	7	15.6854750	31.4066139	-1.7503556	.0017894	-.0002864	-.0011412
	8	.5218121	33.0683439	-2.5768222	.0016956	.0002068	-.0002345
551	6	28.1646345	21.3058652	-1.1709840	.0015587	-.0008109	.0090425
	7	14.3067836	27.9729989	-.5229424	.0015819	-.0005234	.0079796
	8	-.7106779	30.1613697	.0005874	.0013873	-.0002085	.0053625
552	6	28.1283303	21.2358515	-1.1303758	.0019836	-.0012745	.0090022
	7	14.3193202	27.8205963	-.1471851	.0021326	-.0007599	.0082161
	8	-.6408046	29.9643411	.6524873	.0019531	-.0001672	.0056005
561	6	27.8906342	22.5215065	-.6441339	.0013145	-.0012854	.0057507
	7	14.0355803	29.2733481	-.4021801	.0015884	-.0005167	.0040649
	8	-.9242519	31.2960380	-.2567991	.0016401	.0002361	.0017131
562	6	28.2249887	22.6672720	-.0498289	.0012531	-.0013549	.0070649
	7	14.3610090	29.4813728	.3169574	.0014855	-.0007538	.0060411
	8	-.6604145	31.5330690	.4898343	.0015547	-.0001009	.0037300
571	6	27.9117962	23.7217806	-.2598696	.0005546	-.0006114	.0055052
	7	14.1240780	30.5874300	-.2503454	.0005810	-.0001390	.0039191
	8	-.7890960	32.4616987	-.3263384	.0005898	.0002763	.0018007
572	6	28.3367144	23.7950558	.2922832	.0011651	-.0014039	.0074205
	7	14.4830837	30.6686066	.4466263	.0013612	-.0007270	.0060866
	8	-.5500952	32.5401865	.4153166	.0014178	-.0000208	.0035674
581	6	27.9801180	24.3908811	.2551292	.0009022	-.0011552	.0062352
	7	14.1998712	31.2986982	-.1183546	.0015813	-.0003145	.0038011
	8	-.7222071	33.0403974	-.5572022	.0021402	.0005393	.0001836
582	6	28.1885377	24.4816687	1.3522519	.0005522	-.0014323	.0088183
	7	14.3678867	31.3633649	.8971598	.0010433	-.0006833	.0066638
	8	-.6160097	33.0551915	.2328577	.0015543	.0001447	.0025090
611	6	29.2775490	20.6738175	-2.7260864	.0011928	-.0005445	.0016128
	7	15.8412369	27.1286944	-2.3384928	.0017146	.0002758	.0031021
	8	.9106476	29.2235398	-1.8034783	.0019668	.0009516	.0038814
612	6	29.2739727	20.6701822	-2.7658546	.0012595	-.0006798	.0016291
	7	15.8380637	27.1255430	-2.3737352	.0017571	.0001520	.0030798
	8	.9085226	29.2215189	-1.8274558	.0019841	.0008511	.0038272
621	6	29.2331016	21.9149324	-1.9022700	.0020931	-.0011628	.0006713
	7	15.8058572	28.5050959	-1.9789289	.0027877	-.0001243	.0014644
	8	.8871622	30.4611129	-1.9270902	.0030411	.0008003	.0017057
622	6	29.2332635	21.9137521	-1.9161198	.0019298	-.0012183	.0007241
	7	15.8060389	28.5029700	-2.0014636	.0025642	-.0002295	.0014978
	8	.8873393	30.4586219	-1.9528222	.0027969	.0006565	.0017211

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
623	6	28.9680106	22.3498657	-1.6619034	.0028275	-.0012459	.0015588
	7	15.4792359	29.0287814	-1.7763382	.0036551	-.0010611	.0021851
	8	.5616706	30.9677543	-1.7761807	.0039193	-.0006913	.0023126
624	6	28.9649422	22.8544130	-1.3416067	.0031759	-.0015881	.0019092
	7	15.4752425	29.5851440	-1.4804768	.0038864	-.0013594	.0026074
	8	.5573467	31.4629514	-1.5494602	.0039961	-.0009716	.0027579
625	6	29.1866436	22.6006707	-1.8418474	.0026767	-.0007166	.0026750
	7	15.7357682	29.3056236	-2.0525102	.0034382	-.0005825	.0028105
	8	.8033046	31.2141200	-2.1167885	.0037215	-.0003661	.0024577
626	6	28.8948147	22.3490874	-1.5226061	.0027767	-.0012816	.0017518
	7	15.3726580	29.0285444	-1.5956921	.0036278	-.0010431	.0023144
	8	.4462303	30.9680877	-1.5821986	.0039081	-.0006311	.0023606
628	6	28.8720482	22.8549182	-1.1846516	.0031393	-.0015828	.0019222
	7	15.3442625	29.5849528	-1.2888166	.0038207	-.0012864	.0025019
	8	.4158920	31.4621256	-1.3528842	.0039014	-.0008439	.0025525
631	6	29.1230211	23.1625909	-1.6019861	.0019303	-.0004818	.0008271
	7	15.6644551	29.9265116	-1.9182388	.0026388	.0004779	.0014780
	8	.7338699	31.7657842	-2.0858159	.0028867	.0012519	.0016583
632	6	29.1233644	23.1610477	-1.6196923	.0018949	-.0006772	.0008810
	7	15.6647985	29.9243056	-1.9422833	.0025624	.0002596	.0015165
	8	.7341690	31.7634823	-2.1108727	.0028003	.0010345	.0016793
641	6	28.9327478	23.7905099	-.8774524	.0019442	-.0018572	-.0019691
	7	15.5059652	30.4862612	-1.6828115	.0027223	-.0007747	-.0011367
	8	.6202169	32.1081756	-2.3468174	.0029381	.0002603	-.0002123
642	6	28.9312547	23.7919259	-.8665109	.0017078	-.0016968	-.0018552
	7	15.5063615	30.4857082	-1.6903339	.0023595	-.0006893	-.0010439
	8	.6221984	32.1060318	-2.3697308	.0025434	.0002471	-.0001537
643	6	28.6288446	21.9271261	-1.3487741	.0028775	-.0009287	.0018612
	7	15.0834924	28.5528087	-1.2120746	.0036335	-.0000186	.0022585
	8	.1922073	30.5305812	-1.0881573	.0038321	.0007010	.0022962
646	6	28.6255518	23.1161316	-.8661860	.0030649	-.0001416	.0010017
	7	15.0798634	29.8476124	-1.0243096	.0037205	.0008759	.0012577
	8	.1883508	31.6680822	-1.1810499	.0038219	.0016711	.0012717
651	6	27.8570993	20.6085380	-1.2181865	.0027808	-.0015955	.0091222
	7	14.3454918	27.0405276	-.4358223	.0032756	-.0004923	.0083351
	8	-.3656537	29.1212086	.2039358	.0033050	.0006498	.0056825
652	6	27.8575603	20.6080393	-1.2151511	.0025891	-.0014422	.0089249
	7	14.3478475	27.0381529	-.4143669	.0030214	-.0004232	.0081609
	8	-.3617328	29.1172868	.2405818	.0030324	.0006167	.0055710

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
661	6	27.9306423	21.9098088	-.4458642	.0022457	-.0009935	.0072684
	7	14.3830313	28.5598424	-.1401766	.0027230	.0000056	.0062449
	8	-.3732784	30.5551890	.0218854	.0029045	.0009251	.0038926
662	6	27.9309077	21.9063981	-.4140610	.0022741	-.0010960	.0070908
	7	14.3832905	28.5558824	-.1024177	.0027672	-.0001160	.0061049
	8	-.3730628	30.5511294	.0608476	.0029504	.0007985	.0038200
663	6	28.2232036	22.3418513	-.6864375	.0029996	-.0014117	.0026421
	7	14.6796540	29.0273660	-.5095199	.0038477	-.0010497	.0022263
	8	-.1324796	30.9724154	-.4207943	.0040709	-.0005181	.0014141
664	6	28.2254168	22.8544003	-.3275559	.0027867	-.0017017	.0027455
	7	14.6826899	29.5779377	-.2378164	.0035375	-.0012540	.0023831
	8	-.1291782	31.4494900	-.2720961	.0037327	-.0006800	.0015874
665	6	27.9694772	22.5971935	-.2796225	.0021654	-.0008210	.0006488
	7	14.4264353	29.3018447	-.0549151	.0029103	-.0005758	.0011604
	8	-.3350823	31.2102943	.0060258	.0032053	-.0002760	.0014206
666	6	28.3549939	22.3423633	-.8358963	.0030565	-.0014337	.0025498
	7	14.7868667	29.0270365	-.7010833	.0039035	-.0010551	.0022854
	8	-.0685316	30.9713635	-.6234172	.0041237	-.0005104	.0016091
668	6	28.3641065	22.8536466	-.4666464	.0028549	-.0016770	.0025272
	7	14.8005227	29.5778764	-.4137371	.0035907	-.0012201	.0022680
	8	-.0533318	31.4500868	-.4573750	.0037737	-.0006394	.0015936
671	6	27.9899870	23.0417595	-.0736780	.0025125	-.0013277	.0076135
	7	14.4715766	29.7328460	-.0117495	.0032272	-.0002337	.0062690
	8	-.2766388	31.5318590	-.0802623	.0035557	.0007882	.0037046
672	6	27.9901850	23.0384170	-.0432456	.0023947	-.0013847	.0074225
	7	14.4717878	29.7285822	.0271435	.0030549	-.0003361	.0061257
	8	-.2764509	31.5272283	-.0383006	.0033525	.0006579	.0036353
681	6	27.9233383	23.7369777	.7093119	.0010824	-.0014855	.0090552
	7	14.3953915	30.4499621	.2997632	.0017399	-.0005574	.0068680
	8	-.3677524	32.0829839	-.2557346	.0023150	.0003544	.0026153
682	6	27.9175873	23.7311699	.7660277	.0011633	-.0015833	.0088643
	7	14.3899757	30.4445560	.3526451	.0017890	-.0006458	.0067421
	8	-.3721614	32.0786522	-.2137580	.0023147	.0002835	.0025990
699	6	28.6531343	22.6352581	-1.0271617	.0029484	-.0016165	.0022009
	7	15.0906401	29.3507313	-1.0226407	.0037140	-.0013851	.0023976
	8	.1803940	31.2628603	-1.0260750	.0038895	-.0009466	.0021067
700	6	28.6553178	22.6374476	-.1518649	.0179201	-.0172968	.0000000
	7	15.0918203	29.3535916	-.1518649	.0232400	-.0091522	.0000000
	8	.1803917	31.2659547	-.1518649	.0250917	.0002780	.0000000

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
712	6	29.2517587	20.6395650	-2.7410822	.0012271	-.0006383	.0016282
	7	15.8368978	27.0839346	-2.3524640	.0017118	.0001870	.0030808
	8	.9259106	29.1747039	-1.8136542	.0019303	.0008745	.0038303
722	6	29.1938457	21.8540194	-1.9070455	.0019559	-.0011871	.0007210
	7	15.7955326	28.4230724	-1.9854553	.0026098	-.0001917	.0014941
	8	.9040491	30.3712590	-1.9340049	.0028498	.0006951	.0017172
732	6	29.1020848	23.1030315	-1.6071694	.0019090	-.0006007	.0008733
	7	15.6711647	29.8449841	-1.9246330	.0026077	.0003457	.0015079
	8	.7641738	31.6765106	-2.0923267	.0028604	.0011174	.0016711
742	6	28.8825394	23.7453262	-.8777141	.0016562	-.0016955	-.0018605
	7	15.4863025	30.4158320	-1.6863042	.0023396	-.0006769	-.0010471
	8	.6284255	32.0277553	-2.3538454	.0025440	.0002654	-.0001555
752	6	27.8412480	20.5540117	-1.2224394	.0025866	-.0013969	.0089297
	7	14.3608232	26.9687104	-.4361206	.0030260	-.0003627	.0081665
	8	-.3245551	29.0397780	.2073437	.0030476	.0006828	.0055761
762	6	27.9210500	21.8353157	-.4421169	.0023034	-.0010258	.0070978
	7	14.4012848	28.4696541	-.1348106	.0028067	-.0000372	.0061128
	8	-.3337338	30.4591703	.0275914	.0029973	.0008729	.0038274
772	6	27.9716775	22.9626538	-.0697097	.0024482	-.0013323	.0074277
	7	14.4823723	29.6317943	-.0062094	.0031309	-.0002782	.0061315
	8	-.2425639	31.4207536	-.0745803	.0034423	.0007116	.0036407
782	6	27.8990705	23.6692853	.7227579	.0011470	-.0015363	.0088674
	7	14.3937454	30.3696234	.3124321	.0017672	-.0006065	.0067439
	8	-.3533798	31.9996746	-.2469324	.0022885	.0003057	.0025986
811	6	29.2215285	20.6017478	-2.7383240	.0013139	-.0007867	.0016487
	7	15.8311721	27.0353965	-2.3512833	.0017476	.0000406	.0030457
	8	.9423211	29.1222378	-1.8146040	.0019206	.0007369	.0037501
821	6	29.1484695	21.7885199	-1.9105874	.0019492	-.0011993	.0007940
	7	15.7820476	28.3348095	-1.9859365	.0025647	-.0002497	.0015346
	8	.9205182	30.2745254	-1.9327455	.0027847	.0005943	.0017289
831	6	29.0754910	23.0355420	-1.6066999	.0019937	-.0006949	.0009349
	7	15.6761639	29.7520351	-1.9224634	.0027244	.0002470	.0015430
	8	.7961936	31.5740631	-2.0901768	.0030099	.0010191	.0016798
841	6	28.8319039	23.7037962	-.8909185	.0014097	-.0013436	-.0016873
	7	15.4677156	30.3490170	-1.6933377	.0020025	-.0003970	-.0009000
	8	.6378394	31.9502776	-2.3566004	.0022088	.0004345	-.0000591
851	6	27.8305881	20.4985444	-1.2314344	.0022925	-.0011649	.0086305
	7	14.3829100	26.8963323	-.4504768	.0026699	-.0002041	.0079047
	8	-.2769407	28.9573882	.1890741	.0026895	.0007244	.0054105

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
861	6	27.9101915	21.7491211	-.4606763	.0022998	-.0010120	.0068453
	7	14.4224096	28.3644334	-.1545014	.0028611	-.0000255	.0059201
	8	-.2883817	30.3467190	.0080045	.0030812	.0008727	.0037364
871	6	27.9513006	22.8747694	-.0852145	.0023498	-.0012955	.0071503
	7	14.4942622	29.5197640	-.0248836	.0030080	-.0002857	.0059290
	8	-.2049873	31.2976503	-.0951666	.0033013	.0006622	.0035504
881	6	27.8738438	23.5939339	.7007831	.0010928	-.0014177	.0085869
	7	14.3943434	30.2808441	.2919131	.0016678	-.0004934	.0065603
	8	-.3350912	31.9086572	-.2655963	.0021198	.0004041	.0025775
900	6	26.6959629	20.6061746	-.1520318	.0175516	-.0169282	.0000000
	7	14.0555189	26.7196572	-.1520318	.0227584	-.0089527	.0000000
	8	.2124708	28.4222317	-.1520318	.0245710	.0002780	.0000000
Max. Def.		29.8342571	33.4073966	-3.9326766	.0250917	.0187736	.0122080
Joint No.		421	341	212	700	122	152
Load Case		6	8	6	8	6	6

*** Group Summary Report ***

Group ID	THREE MOST RESTRICTIVE MEMBERS									Total	Number Of Members In Group			
	First			Second			Third				With UC>1.33	With UC>1.00	With UC>0.50	With UC<0.50
	Member	UC	LC	Member	UC	LC	Member	UC	LC					
165	561- 651	1.01	6	581- 671	.77	6	511- 621	.47	6	6	0	1	1	4
185	441- 531	1.06	6	421- 511	1.05	6	371- 461	.91	6	8	0	2	3	3
203	361- 451	1.32	6	331- 441	.60	6	0- 0	.00	0	2	0	1	1	0
205	471- 531	1.28	8	451- 511	1.22	7	231- 321	1.02	6	14	0	3	4	7
243	155- 221	215.79	7	146- 231	142.68	8	148- 241	2.81	8	18	5	1	7	5
245	361- 301	.65	8	304- 471	.59	8	301- 421	.58	8	10	0	0	4	6
263	161- 251	1.23	6	131- 241	.64	6	0- 0	.00	0	2	0	1	1	0
265	181- 271	2.22	6	171- 261	1.16	6	251- 311	.94	8	10	1	1	5	3
J08	146- 164	.57	8	155- 163	.53	8	124- 146	.46	8	6	0	0	2	4
J11	123- 101	.32	6	124- 102	.29	8	164- 104	.28	7	4	0	0	0	4
J12	163- 164	.33	6	123- 124	.29	6	0- 0	.00	0	2	0	0	0	2
J16	164- 171	.44	6	121- 123	.41	6	165- 164	.37	6	8	0	0	0	8
J20	135- 141	.32	6	131- 135	.29	6	161- 165	.28	6	16	0	0	0	16
J24	141- 148	.37	8	146- 171	.37	7	148- 181	.36	8	8	0	0	0	8
J25	121- 145	.17	6	148- 131	.14	6	145- 161	.13	6	4	0	0	0	4
K08	224- 255	.25	8	223- 254	.24	7	254- 263	.24	7	6	0	0	0	6
K11	225- 231	.25	6	261- 265	.18	6	221- 225	.16	6	4	0	0	0	4
K12	263- 264	.13	8	223- 224	.09	8	0- 0	.00	0	2	0	0	0	2
K13	261- 263	.51	8	223- 225	.41	6	263- 265	.40	6	12	0	0	1	11
K18	211- 221	.40	6	271- 281	.25	6	0- 0	.00	0	2	0	0	0	2
K20	243- 263	.13	6	223- 243	.13	7	224- 244	.12	6	4	0	0	0	4
K24	241- 281	.56	8	221- 251	.38	8	241- 271	.33	6	9	0	0	1	8
L20	346- 371	.32	8	331- 346	.13	6	0- 0	.00	0	2	0	0	0	2
L24	331- 381	.37	6	311- 361	.17	6	0- 0	.00	0	2	0	0	0	2
L25	343- 361	.19	6	321- 343	.14	6	0- 0	.00	0	2	0	0	0	2

*** Group Summary Report ***

Group ID	THREE MOST RESTRICTIVE MEMBERS									Total	Number Of Members In Group			
	First			Second			Third				With UC>1.33	With UC>1.00	With UC>0.50	With UC<0.50
	Member	UC	LC	Member	UC	LC	Member	UC	LC					
LG2	511- 611	1.16	6	581- 681	1.05	6	311- 411	.96	6	14	0	2	7	5
LG3	441- 541	.84	8	531- 502	.81	8	561- 504	.77	8	20	0	0	13	7
LG4	502- 631	.88	8	503- 621	.88	8	504- 661	.78	8	20	0	0	13	7
LG7	681- 782	.52	6	641- 742	.52	8	611- 712	.48	6	14	0	0	2	12
MO8	443- 423	.31	7	424- 446	.30	8	443- 463	.24	8	4	0	0	0	4
MO9	463- 508	.20	7	424- 506	.19	7	423- 507	.17	8	4	0	0	0	4
M10	464- 471	.63	6	421- 423	.41	6	461- 463	.39	8	8	0	0	1	7
M11	421- 425	.29	7	425- 431	.27	6	465- 471	.26	6	4	0	0	0	4
M12	423- 424	.10	8	463- 464	.09	8	0- 0	.00	0	2	0	0	0	2
M14	471- 481	.33	6	411- 421	.22	8	0- 0	.00	0	2	0	0	0	2
M18	446- 471	.23	8	421- 443	.21	8	443- 461	.14	6	6	0	0	0	6
M20	441- 471	.45	6	421- 451	.37	6	0- 0	.00	0	2	0	0	0	2
M21	463- 423	.07	6	464- 424	.06	8	0- 0	.00	0	2	0	0	0	2
N16	521- 561	.31	6	531- 571	.25	6	0- 0	.00	0	2	0	0	0	2
N20	531- 581	.43	6	511- 561	.26	8	0- 0	.00	0	2	0	0	0	2
PO8	626- 643	.36	7	628- 646	.35	8	646- 668	.30	8	4	0	0	0	4
P10	668- 671	.83	6	666- 661	.36	8	621- 626	.35	6	12	0	0	1	11
P12	631- 641	.72	6	671- 681	.55	6	651- 661	.40	6	8	0	0	2	6
P14	646- 671	.53	7	611- 651	.40	8	631- 646	.33	8	6	0	0	1	5
P16	626- 628	.17	8	666- 668	.12	8	663- 664	.10	8	4	0	0	0	4
P18	621- 651	.60	7	641- 671	.35	7	0- 0	.00	0	2	0	0	1	1
P21	666- 663	.10	8	624- 628	.10	8	623- 626	.09	6	6	0	0	0	6
PL2	182- 282	1.63	6	162- 262	1.31	6	172- 272	1.29	6	8	1	7	0	0
PL3	282- 382	1.10	6	272- 372	.81	8	262- 362	.78	8	8	0	1	4	3
PL4	382- 482	.95	6	372- 472	.70	8	362- 462	.67	8	8	0	0	4	4

*** Group Summary Report ***

Group ID	THREE MOST RESTRICTIVE MEMBERS									Total	Number Of Members In Group			
	First			Second			Third				With UC>1.33	With UC>1.00	With UC>0.50	With UC<0.50
	Member	UC	LC	Member	UC	LC	Member	UC	LC					
PL5	482- 582	.93	6	472- 572	.68	8	462- 562	.66	8	8	0	0	4	4
PL6	582- 682	.84	6	572- 672	.64	8	562- 662	.60	8	8	0	0	4	4
PL7	682- 782	.76	6	672- 772	.59	8	662- 762	.55	8	8	0	0	3	5
PL8	742- 841	.37	7	782- 881	.30	8	732- 831	.22	8	8	0	0	0	8
SIH	199- 164	.44	6	123- 199	.42	6	499- 464	.26	6	16	0	0	0	16
CN2	300- 500	.69	6	500- 700	.69	6	700- 900	.11	7	3	0	0	2	1
CN1	200- 300	.74	6	0- 0	.00	0	0- 0	.00	0	1	0	0	1	0
IL1	841- 4	.41	6	881- 8	.34	8	831- 3	.27	8	8	0	0	0	8
IL2	4- 13	.38	6	8- 17	.34	7	80- 89	.27	7	20	0	0	0	20
IL3	13- 21	.34	6	17- 26	.32	7	26- 80	.27	7	16	0	0	0	16
Total Active Steel Members:										431	7	20	93	311

*** Report Of Element Stress At Maximum Unity Check ***

Member JA -JB	Group ID	Maximum Unity CK	/--- Unity Check ---/			Load Case	Dist From End(Ft)	/----- Critical Member Loads -----/			Next Two Highest Cases				
			Axial	Y-Axis	Z-Axis			Force Fx (Kips)	Torsion Mx /-----/	Moment My (In-Kips)	Moment Mz -----/	Combined Unity	LD CK	Combined Unity	LD CK
511- 621	165	.473	.146	.219	.243	6	.00	153.22	9.51	-1080.09	1202.15	.409	7	.363	8
521- 631	165	.403	.065	.045	.334	8	.00	-31.64	15.77	-221.55	1651.82	.391	7	.357	6
531- 641	165	.457	.212	.126	.211	6	.00	222.51	-30.87	-620.19	1042.43	.413	8	.391	7
561- 651	165	1.015	.468	.259	.481	6	.00	-250.40	33.83	821.05	-1522.03	.612	7	.365	8
571- 661	165	.408	.032	.216	.309	6	.00	-15.34	-3.41	1065.55	-1524.74	.401	7	.354	8
581- 671	165	.771	.256	.308	.400	6	.00	-131.60	-8.01	1317.69	-1709.65	.506	7	.408	8
321- 431	185	.448	.272	.087	.153	6	.00	322.58	2.50	-550.28	967.81	.331	7	.212	8
451- 561	185	.517	.234	.065	.276	6	62.07	277.65	-70.56	-408.09	1741.60	.393	7	.295	8
461- 571	185	.361	.108	.062	.245	6	59.67	128.41	29.54	-391.93	1548.80	.343	7	.276	8
471- 581	185	.541	.298	.018	.242	6	59.06	354.34	24.86	-116.04	1528.58	.412	7	.245	8
371- 461	185	.907	.564	.211	.271	6	.00	-307.06	.97	684.79	-879.60	.481	7	.170	8
421- 511	185	1.048	.616	.121	.414	6	59.06	-374.53	7.71	360.66	-1238.21	.677	7	.315	8
431- 521	185	.416	.180	.106	.210	6	59.67	-107.90	9.90	651.79	-1287.22	.367	7	.259	8
441- 531	185	1.062	.558	.212	.457	6	62.07	-313.72	104.91	704.42	-1518.76	.623	7	.236	8
331- 441	203	.598	.386	.060	.204	6	.00	385.51	-23.59	-346.80	1183.00	.422	7	.276	8
361- 451	203	1.322	.669	.324	.567	6	.00	-346.84	57.02	785.70	-1374.07	.591	7	.318	8
253- 201	205	.156	.003	.153	.011	8	.00	-3.30	60.38	-1201.66	82.67	.155	7	.143	6
311- 421	205	.435	.249	.120	.142	6	.00	328.98	-37.96	-946.85	1120.74	.301	7	.189	8
231- 321	205	1.020	.717	.113	.281	6	67.08	-471.84	-36.66	312.03	-774.35	.561	7	.151	8
346- 304	205	.231	.018	.213	.012	8	.00	-20.60	-8.10	1673.00	97.14	.208	7	.150	6
261- 371	205	.414	.306	.016	.107	6	67.08	405.26	18.83	-123.59	840.60	.276	7	.111	8
421- 561	205	.456	.376	.072	.034	8	69.00	497.65	13.85	-568.60	-266.69	.434	7	.375	6
441- 581	205	.529	.418	.090	.065	8	.00	553.46	41.05	-708.14	507.80	.489	7	.430	6
451- 511	205	1.221	.725	.225	.442	7	69.12	-455.19	-116.86	583.72	1146.69	1.207	8	.996	6
381- 471	205	.862	.488	.254	.275	6	.00	-307.88	8.50	1213.81	-1313.67	.468	7	.186	8

*** Report Of Element Stress At Maximum Unity Check ***

Member JA -JB	Group ID	Maximum Combined Unity CK	/--- Unity Check ---/			Load Case No.	Dist From End(Ft)	/----- Critical Member Loads -----/				Next Two Highest Cases			
			Axial	Y-Axis	Z-Axis			Force Fx (Kips)	Torsion Mx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
471- 531	205	1.284	.778	.471	.183	8	.00	-489.91	-14.03	995.41	-386.18	1.168	7	.838	6
511- 651	205	.454	.238	.138	.167	7	.00	314.85	129.12	-1087.46	-1310.65	.440	6	.423	8
531- 671	205	.476	.256	.056	.212	6	.00	338.84	208.18	-438.70	-1670.02	.462	7	.405	8
561- 621	205	.710	.490	.178	.130	7	.00	-376.32	-89.22	920.83	672.36	.702	8	.631	6
581- 641	205	.891	.607	.226	.171	8	59.55	-465.39	-3.06	951.12	-719.31	.874	7	.675	6
145- 251	243	.667	.585	.081	.014	8	.00	703.50	86.59	-659.66	-117.76	.630	7	.509	6
146- 231	243	142.681	1.260	100.000	100.000	8	69.31	-909.03	44.34	393.47	-211.66	142.614	7	1.471	6
146- 271	243	.855	.748	.107	.005	8	.00	899.08	3.88	-875.53	-42.26	.803	7	.632	6
155- 221	243	215.791	1.162	209.947	44.591	7	.00	-838.03	24.11	1207.08	256.35	142.662	8	1.395	6
155- 261	243	.811	.736	.074	.000	8	.00	885.50	-31.57	-608.46	-1.23	.767	7	.620	6
201- 321	243	.121	.084	.037	.007	8	40.85	-80.96	-87.57	300.00	56.72	.105	7	.088	6
145- 211	243	1.768	.992	.768	.115	8	.00	-713.32	56.65	1060.87	158.67	1.384	7	.913	6
231- 204	243	.126	.049	.003	.077	6	.00	58.55	105.87	-25.76	-629.14	.089	8	.089	7
148- 241	243	2.814	1.065	1.723	.304	8	.00	-765.56	-53.02	1340.18	-236.74	1.930	7	1.114	6
148- 281	243	.693	.627	.064	.016	8	.00	754.30	-87.19	-522.36	127.47	.635	7	.500	6
251- 361	243	.478	.297	.001	.181	6	76.08	357.21	-46.20	5.22	1479.91	.296	7	.262	8
304- 431	243	.136	.070	.049	.044	8	35.87	-70.65	134.59	402.04	-362.00	.131	6	.128	7
221- 311	243	.942	.643	.121	.274	6	72.39	-443.68	11.88	490.79	-1116.47	.545	7	.180	8
311- 451	243	.559	.448	.012	.110	8	79.18	539.01	-17.25	99.74	900.15	.551	7	.493	6
321- 301	243	.108	.018	.022	.087	6	.00	22.23	199.41	-183.11	-709.99	.076	7	.051	8
241- 331	243	1.089	.640	.234	.383	6	76.08	-417.52	112.45	901.03	-1473.05	.580	7	.168	8
271- 381	243	.515	.362	.030	.150	6	72.39	434.76	-29.05	242.53	1229.73	.347	7	.193	8
381- 441	243	2.722	.961	1.387	1.087	8	79.18	-594.87	.83	989.31	-775.66	2.032	7	1.197	6
201- 343	245	.047	.018	.008	.028	8	25.88	28.73	18.66	94.04	-311.97	.046	7	.038	6
202- 201	245	.118	.048	.068	.016	8	.00	76.68	-22.98	767.92	185.16	.095	7	.080	6

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	Maximum Combined Unity CK	/--- Unity Check ---/			Load Case No.	Dist From End(Ft)	Force Fx (Kips)	/----- Critical Member Loads -----/			Next Two Highest Cases				
			Axial	Y-Axis	Z-Axis				Torsion Tbx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN	
203-	204	245	.114	.049	.031	.057	6	.00	-64.09	99.77	350.70	-639.26	.100	7	.091	8
301-	343	245	.085	.011	.063	.039	7	23.37	17.70	-44.04	-710.31	440.01	.084	8	.077	6
301-	421	245	.581	.531	.010	.049	8	39.52	-693.98	44.07	101.13	-520.56	.539	7	.460	6
302-	301	245	.121	.056	.060	.022	8	.00	-76.03	3.33	679.42	250.15	.102	7	.101	6
303-	304	245	.126	.036	.057	.070	6	.00	57.86	-168.51	643.68	-785.24	.121	7	.119	8
331-	304	245	.535	.442	.008	.092	7	.00	704.94	103.47	-89.68	-1038.80	.518	8	.479	6
304-	471	245	.594	.484	.110	.008	8	.00	771.87	-87.13	1235.68	90.23	.582	7	.513	6
361-	301	245	.649	.573	.075	.003	8	39.52	-749.52	34.12	775.36	-33.70	.635	7	.568	6
131-	241	263	.642	.513	.026	.127	6	.00	668.73	-106.89	247.23	1200.80	.403	7	.221	8
161-	251	263	1.229	.798	.288	.320	6	.00	-582.57	123.20	885.10	-983.83	.502	7	.232	8
111-	221	265	.610	.541	.032	.060	6	.00	936.34	-67.08	-421.17	793.89	.375	7	.105	8
121-	231	265	.720	.620	.083	.055	6	.00	1073.49	-59.87	-1095.78	724.61	.422	7	.086	8
171-	261	265	1.159	.830	.320	.079	6	.00	-903.49	-22.84	1568.19	-386.03	.524	7	.101	8
181-	271	265	2.218	.956	1.059	.686	6	.00	-874.71	39.59	1403.93	-909.98	.728	7	.136	8
271-	204	265	.619	.515	.104	.003	8	44.96	-719.85	-47.13	1254.61	36.35	.589	7	.488	6
204-	331	265	.557	.495	.062	.002	8	.00	-691.60	-115.48	760.42	-26.42	.520	7	.408	6
221-	201	265	.423	.387	.006	.035	8	.00	670.21	37.61	-76.67	463.14	.367	7	.302	6
201-	361	265	.476	.396	.079	.009	8	.00	685.04	80.80	1039.86	124.31	.444	7	.370	6
241-	381	265	.427	.349	.011	.077	8	90.08	603.65	37.03	141.55	-1014.08	.400	7	.324	6
251-	311	265	.945	.654	.212	.199	8	90.08	-539.41	-10.70	1154.14	1081.97	.886	7	.673	6
200-	300	CN1	.741	.014	.471	.553	6	.00	-372.31	.00	-89765.89	-105432.60	.678	7	.654	8
300-	500	CN2	.693	.031	.462	.473	6	98.00	-110.40	.00	27777.87	28462.28	.689	7	.686	8
500-	700	CN2	.685	.024	.462	.473	6	.00	-110.40	.00	27777.87	28462.28	.681	7	.679	8
700-	900	CN2	.108	.002	.098	.041	7	.00	-14.49	.00	5899.93	2443.83	.108	6	.108	8
123-	155	JO8	.450	.248	.201	.021	8	18.89	136.50	31.19	-266.12	27.46	.417	7	.368	6

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	JA -JB	ID	Unity Check			Load Case	Dist From End(Ft)	Critical Member Loads				Next Two Highest Cases					
				Maximum Combined Unity CK	Component Values				Force Fx (Kips)	Torsion Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN		
				Axial	Y-Axis	Z-Axis	No.											
124-	146	J08		.460	.252	.206	.024	8	18.89	139.15	-17.26	-272.41	-32.03	.399	7	.274	6	
144-	146	J08		.294	.021	.268	.052	6	.00	11.43	-73.55	-355.38	69.45	.192	7	.087	8	
146-	164	J08		.572	.350	.221	.025	8	.00	-138.25	-36.82	266.22	30.38	.561	7	.473	6	
155-	143	J08		.278	.025	.249	.045	6	12.92	-11.50	69.06	329.37	59.71	.186	7	.089	8	
155-	163	J08		.535	.344	.189	.023	8	.00	-136.18	15.91	229.21	-27.81	.450	7	.302	6	
123-	101	J11		.319	.132	.161	.096	6	.00	-44.27	-49.40	492.03	292.58	.317	7	.301	8	
124-	102	J11		.293	.103	.168	.090	8	.00	-34.43	-36.03	513.84	276.31	.260	7	.220	6	
163-	103	J11		.223	.040	.161	.088	8	.00	33.13	34.47	-493.64	-268.91	.219	7	.215	6	
164-	104	J11		.275	.063	.211	.025	7	.00	52.02	17.65	-647.06	-76.10	.274	6	.265	8	
123-	124	J12		.291	.098	.193	.006	6	.00	110.32	39.94	777.07	-24.11	.255	7	.184	8	
163-	164	J12		.329	.114	.215	.012	6	19.17	-106.58	-24.96	-864.91	-46.35	.290	7	.229	8	
121-	123	J16		.412	.157	.250	.048	6	34.99	-120.43	-63.86	1314.41	-252.27	.341	7	.279	8	
123-	125	J16		.301	.105	.191	.046	6	.00	109.99	-126.23	943.68	228.48	.278	7	.237	8	
124-	131	J16		.242	.011	.230	.022	8	.00	11.85	-152.33	1134.92	-109.54	.229	7	.192	6	
125-	124	J16		.264	.138	.124	.020	6	33.90	-107.69	-26.00	611.40	-99.86	.255	7	.241	8	
161-	163	J16		.240	.174	.058	.031	6	34.99	-133.40	253.40	-302.78	158.93	.238	7	.230	8	
163-	165	J16		.242	.064	.178	.004	7	.00	67.20	-24.83	-881.73	-17.95	.240	6	.222	8	
164-	171	J16		.436	.154	.276	.058	6	.00	161.69	57.61	-1364.20	-288.31	.386	7	.272	8	
165-	164	J16		.366	.168	.193	.045	6	33.90	-130.48	147.81	-1013.45	234.89	.335	7	.246	8	
111-	115	J20		.107	.094	.004	.012	6	33.40	-161.65	25.92	46.86	-149.51	.082	7	.043	8	
115-	121	J20		.112	.092	.018	.009	6	30.41	-161.65	25.92	-221.19	115.70	.093	7	.061	8	
121-	125	J20		.249	.217	.014	.029	6	.00	-408.46	-226.14	190.17	392.87	.175	7	.071	8	
123-	143	J20		.219	.034	.184	.024	7	.00	71.01	-3.89	2241.27	-286.72	.219	6	.192	8	
124-	144	J20		.205	.009	.196	.002	8	.00	20.05	86.52	2386.00	-24.26	.199	7	.189	6	
125-	131	J20		.276	.185	.090	.012	6	22.50	-347.39	251.56	-1240.90	172.05	.213	7	.105	8	

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	JA -JB	ID	Maximum Combined Unity CK	Unity Check			Load Case	Dist From End(Ft)	Critical Member Loads			Next Two Highest Cases				
					Component Values					Force Fx (Kips)	Torsion Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
					Axial	Y-Axis	Z-Axis	No.									
131-	135	J20		.289	.220	.058	.036	6	.00	-388.69	-57.84	763.99	483.02	.184	7	.040	8
135-	141	J20		.316	.227	.081	.037	6	33.40	-388.69	-57.84	-1059.16	-482.44	.184	7	.040	8
143-	163	J20		.192	.033	.156	.029	7	13.78	69.65	-215.30	-1906.35	-356.98	.182	6	.180	8
144-	164	J20		.226	.061	.157	.051	6	13.78	-121.30	-154.38	-1915.51	-620.51	.224	7	.211	8
151-	159	J20		.263	.182	.072	.037	6	.00	384.64	-13.71	878.18	-452.63	.121	7	.040	8
159-	161	J20		.276	.182	.086	.038	6	30.41	384.64	-13.71	-1047.47	466.77	.156	7	.052	8
161-	165	J20		.283	.179	.104	.010	6	.00	377.98	-279.01	1265.22	123.87	.198	7	.096	8
165-	171	J20		.262	.213	.028	.041	6	22.50	450.72	134.92	-335.69	498.85	.161	7	.058	8
171-	175	J20		.159	.141	.016	.007	6	.00	298.33	40.81	194.14	87.60	.116	7	.063	8
175-	181	J20		.176	.141	.033	.012	6	33.40	298.33	40.81	-399.84	147.68	.118	7	.054	8
111-	145	J24		.351	.208	.118	.081	8	.00	452.22	-135.49	1821.36	-1244.83	.315	7	.226	6
121-	155	J24		.318	.196	.122	.005	8	.00	425.87	38.90	1875.73	71.27	.309	7	.259	6
131-	146	J24		.348	.210	.136	.022	8	.00	456.00	22.58	2098.16	-333.60	.278	7	.164	6
141-	148	J24		.372	.223	.134	.064	8	.00	484.80	190.45	2062.77	992.59	.348	7	.272	6
145-	151	J24		.328	.219	.092	.057	8	46.30	-368.36	39.26	-1482.55	921.70	.325	7	.264	6
146-	171	J24		.368	.257	.106	.032	7	46.30	-432.45	-283.21	-1666.65	508.53	.342	8	.341	6
148-	181	J24		.361	.232	.106	.073	8	46.30	-390.53	-50.10	-1693.99	-1160.73	.315	7	.227	6
155-	161	J24		.347	.233	.112	.020	8	46.30	-391.32	26.69	-1791.54	-317.40	.288	7	.194	6
121-	145	J25		.169	.082	.061	.062	6	78.83	-67.90	-34.06	682.19	-696.12	.151	7	.111	8
145-	161	J25		.130	.031	.099	.004	6	.00	49.96	-57.54	1109.98	47.23	.104	7	.073	8
148-	131	J25		.145	.018	.126	.002	6	78.83	29.29	103.87	1423.19	23.41	.136	7	.110	8
171-	148	J25		.088	.011	.052	.058	6	.00	-8.69	41.60	583.92	654.93	.079	7	.068	8
223-	254	K08		.241	.186	.047	.030	7	18.89	-48.84	5.85	-44.08	-28.37	.237	8	.212	6
224-	255	K08		.249	.152	.096	.011	8	18.89	-40.09	-15.40	-92.42	10.55	.235	7	.183	6
244-	255	K08		.122	.009	.112	.010	8	.00	-2.88	-26.51	102.03	-8.64	.119	7	.115	6

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	Maximum Combined JA -JB ID	Unity Check			Load Case	Dist From End (Ft)	Critical Member Loads			Next Two Highest Cases				
			Component Values	Force	Torsion			Moment	Moment	Combined LD	Combined LD				
Unity CK	Axial	Y-Axis	Z-Axis	Fx (Kips)	Mx	My (In-Kips)	Mx	My (In-Kips)	Unity CK	CN	Unity CK	CN			
254-243	K08	.132	.014	.117	.009	6	.00	5.14	24.98	106.49	8.37	.114	7	.110	8
254-263	K08	.239	.105	.134	.003	7	.00	38.05	15.48	121.61	-2.92	.237	8	.204	6
255-264	K08	.165	.122	.029	.031	7	.00	44.36	.92	26.43	-27.86	.159	8	.148	6
221-225	K11	.161	.058	.023	.100	6	.00	-38.64	-11.97	-71.19	307.16	.159	7	.145	8
225-231	K11	.251	.208	.034	.026	6	.00	-137.87	23.85	110.09	85.92	.216	7	.166	8
261-265	K11	.181	.134	.042	.021	6	22.50	111.25	-29.17	-127.83	65.20	.144	7	.096	8
265-271	K11	.131	.023	.040	.101	6	22.50	18.72	32.17	122.96	310.09	.116	7	.098	8
223-224	K12	.087	.067	.018	.010	8	19.17	-62.62	-22.36	70.46	41.64	.077	7	.076	6
263-264	K12	.125	.054	.071	.010	8	.00	60.28	-37.27	-286.34	41.58	.105	7	.068	6
221-223	K13	.331	.227	.103	.015	6	29.77	143.11	17.38	242.96	36.15	.282	7	.189	8
223-205	K13	.197	.032	.131	.101	8	.00	-10.68	20.87	309.67	-240.07	.178	7	.143	6
223-225	K13	.411	.317	.092	.020	6	.00	-144.01	-15.00	203.60	-44.71	.332	7	.214	8
224-206	K13	.153	.032	.119	.020	8	.00	-10.64	-6.86	282.58	46.31	.151	7	.137	6
224-231	K13	.329	.191	.137	.021	8	.00	120.06	-7.52	324.59	-49.01	.206	7	.166	6
225-224	K13	.305	.228	.068	.037	6	28.48	143.47	15.89	160.59	88.04	.253	7	.170	8
261-263	K13	.514	.310	.204	.018	8	29.77	-137.06	2.65	-448.03	-40.33	.328	7	.146	6
263-207	K13	.189	.035	.153	.018	8	.00	21.95	4.23	-362.03	-41.67	.183	7	.158	6
263-265	K13	.398	.295	.097	.035	6	.00	-133.86	-25.30	-218.95	78.55	.335	7	.239	8
264-208	K13	.130	.009	.074	.096	8	.00	5.65	-22.79	-174.80	227.12	.110	7	.091	6
264-271	K13	.385	.286	.098	.015	6	.00	-126.35	-21.42	-219.85	33.59	.310	7	.207	8
265-264	K13	.276	.213	.061	.018	6	28.48	134.09	20.76	-144.11	-42.12	.229	7	.150	8
211-221	K18	.403	.266	.067	.120	6	.00	-165.67	-25.99	370.42	661.57	.238	7	.069	8
271-281	K18	.250	.131	.026	.117	6	58.10	155.24	-6.99	-161.48	736.91	.159	7	.114	8
223-243	K20	.131	.064	.065	.016	7	.00	-127.70	-26.10	795.60	199.24	.131	6	.112	8
224-244	K20	.120	.074	.042	.017	6	.00	157.09	55.71	510.45	209.77	.112	7	.087	8

*** Report Of Element Stress At Maximum Unity Check ***

Member JA -JB	Group ID	Maximum Combined Unity CK	/--- Unity Check ---/			Load Case	Dist From End(Ft)	/----- Critical Member Loads -----/				Next Two Highest Cases			
			Axial	Y-Axis	Z-Axis			Force Fx (Kips)	Torsion Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
243- 263	K20	.133	.078	.052	.017	6	13.78	-155.70	52.33	-631.23	202.11	.132	7	.110	8
244- 264	K20	.113	.074	.034	.018	6	13.78	156.99	143.03	-410.74	221.47	.105	7	.082	8
211- 251	K24	.320	.201	.096	.070	8	.00	241.49	-25.82	786.31	-575.97	.299	7	.247	6
221- 251	K24	.376	.200	.159	.074	8	.00	-80.95	-13.34	1224.11	-571.07	.315	7	.239	6
221- 253	K24	.264	.196	.068	.006	6	.00	-200.87	120.53	616.25	53.74	.264	7	.226	8
231- 255	K24	.301	.217	.084	.001	6	.00	261.21	-25.69	686.66	6.48	.299	7	.259	8
241- 271	K24	.326	.092	.141	.187	6	99.85	-37.02	16.61	1154.74	-1532.14	.196	7	.179	8
241- 281	K24	.561	.412	.116	.094	8	.00	-246.36	-2.68	664.36	539.31	.510	7	.408	6
253- 254	K24	.288	.170	.113	.031	7	.00	-204.80	-183.40	923.80	256.64	.286	6	.264	8
254- 261	K24	.311	.278	.033	.002	7	40.60	-269.37	-62.22	-284.79	-19.19	.297	6	.284	8
255- 271	K24	.223	.177	.040	.022	6	40.60	213.37	84.37	326.01	180.01	.213	7	.177	8
331- 346	L20	.128	.029	.017	.097	6	43.00	38.87	94.68	134.66	765.24	.093	7	.076	8
346- 371	L20	.321	.025	.296	.017	8	27.90	32.67	-46.34	-2328.81	130.68	.284	7	.214	6
311- 361	L24	.173	.080	.093	.002	6	.00	96.65	32.66	760.68	-18.96	.161	7	.153	8
331- 381	L24	.369	.222	.147	.011	6	.00	-114.09	-16.58	1098.58	79.77	.338	7	.290	8
321- 343	L25	.144	.023	.020	.119	6	35.45	-31.06	112.19	221.22	1343.18	.087	7	.042	8
343- 361	L25	.190	.029	.069	.146	6	.00	-38.41	-92.33	776.18	1644.82	.144	7	.121	8
111- 211	LG2	.454	.284	.119	.121	6	5.00	-719.47	-387.35	-4978.90	-5060.18	.264	7	.101	8
141- 241	LG2	.175	.016	.128	.095	8	52.57	-39.39	-611.74	4848.26	3589.72	.154	7	.149	6
151- 251	LG2	.111	.001	.026	.107	6	52.57	3.08	1477.47	993.51	-4044.97	.110	8	.102	7
181- 281	LG2	.368	.213	.105	.115	6	5.00	656.12	756.46	3970.40	4350.24	.215	7	.091	8
211- 311	LG2	.545	.420	.011	.124	6	5.00	-1080.23	-349.87	441.05	5125.50	.486	7	.374	8
281- 381	LG2	.461	.345	.022	.114	6	5.00	1066.30	663.00	-847.08	-4309.87	.419	7	.345	8
311- 411	LG2	.958	.784	.164	.059	6	5.00	-2046.35	-218.34	-6441.81	-2322.90	.826	7	.575	8
361- 461	LG2	.618	.478	.071	.121	8	41.73	1475.96	908.13	-2698.03	-4576.37	.603	7	.490	6

*** Report Of Element Stress At Maximum Unity Check ***

Member JA -JB	Group ID	Maximum Unity CK	Unity Check			Load Case	Dist From End(Ft)	Force Fx (Kips)	Critical Member Loads			Next Two Highest Cases			
			Axial	Y-Axis	Z-Axis				Torsion Mx	Moment My	Moment Mz	Combined Unity	LD CN	Combined Unity	LD CN
371- 471	LG2	.602	.399	.080	.187	6	41.73	1232.71	974.18	-3012.68	-7074.41	.599	7	.507	8
381- 481	LG2	.821	.673	.132	.065	6	5.00	2078.69	1133.82	5012.72	2454.90	.716	7	.514	8
411- 511	LG2	.885	.770	.112	.027	6	5.00	-2036.92	48.76	4519.23	1089.50	.775	7	.584	8
481- 581	LG2	.792	.678	.110	.031	6	5.00	2092.24	1356.44	-4181.09	-1182.45	.715	7	.585	8
511- 611	LG2	1.158	1.016	.137	.035	6	5.00	-2725.49	678.86	-5562.64	-1398.92	1.042	7	.751	8
581- 681	LG2	1.053	.929	.119	.035	6	5.00	2867.25	3196.18	4510.49	1318.77	.966	7	.714	8
121- 101	LG3	.465	.269	.060	.187	6	5.00	-724.19	-1047.02	-2609.56	-8127.22	.256	7	.091	8
131- 102	LG3	.341	.133	.064	.197	6	5.00	-411.97	-1106.42	-2419.42	-7467.98	.214	7	.108	8
161- 103	LG3	.294	.144	.001	.150	6	5.00	443.13	1116.44	31.89	5686.24	.171	7	.081	8
171- 104	LG3	.433	.241	.017	.191	6	5.00	745.36	1204.37	-654.78	7217.76	.211	7	.055	8
241- 341	LG3	.583	.418	.126	.107	8	5.00	-1075.63	-391.60	-5199.52	-4407.19	.386	7	.191	6
251- 351	LG3	.455	.336	.074	.093	8	5.00	1038.47	564.54	2787.50	3522.54	.313	7	.179	6
261- 207	LG3	.322	.233	.084	.027	8	5.00	720.93	-520.45	3186.56	-1019.70	.217	7	.140	6
271- 208	LG3	.444	.351	.090	.024	8	5.00	1083.56	-631.42	3410.73	-902.99	.379	7	.266	6
321- 302	LG3	.551	.408	.042	.136	6	5.00	-1126.02	-393.45	-1849.75	-5964.94	.539	7	.437	8
331- 303	LG3	.630	.438	.192	.008	8	23.37	-1207.30	-490.52	8419.00	368.23	.612	7	.510	6
421- 507	LG3	.641	.545	.040	.088	8	5.00	-1507.71	1430.51	-1756.46	3827.94	.583	7	.445	6
431- 506	LG3	.601	.444	.018	.156	8	5.00	-1227.72	1103.54	-768.60	6843.00	.483	7	.293	6
441- 541	LG3	.838	.670	.125	.113	8	5.00	-1771.55	355.26	-5109.50	-4625.85	.530	7	.182	6
451- 551	LG3	.705	.557	.113	.095	8	5.00	1719.70	446.08	4272.94	3607.03	.453	7	.179	6
461- 508	LG3	.607	.476	.086	.099	8	5.00	1468.70	-751.38	-3272.24	-3752.13	.492	7	.300	6
471- 505	LG3	.734	.597	.106	.087	8	5.00	1842.49	-900.36	4010.80	-3310.78	.668	7	.488	6
521- 503	LG3	.640	.539	.030	.096	8	5.00	-1506.67	-1174.07	1331.24	-4233.25	.622	7	.492	6
531- 502	LG3	.810	.618	.110	.158	8	5.00	-1725.84	-1203.24	-4822.87	-6955.11	.797	7	.649	6
561- 504	LG3	.774	.630	.092	.110	8	5.00	1944.82	2489.07	3498.92	4180.56	.756	7	.613	6

*** Report Of Element Stress At Maximum Unity Check ***

Member JA -JB	Group ID	Maximum Combined Unity CK	Unity Check			Load Case No.	Dist From End(Ft)	Critical Member Loads				Next Two Highest Cases				
			Axial	Y-Axis	Z-Axis			Force Fx (Kips)	Torsion Mx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN	
571-	501	LG3	.748	.606	.140	.028	8	16.92	1869.52	2027.25	-5281.66	1074.48	.708	7	.557	6
101-	221	LG4	.463	.218	.132	.207	6	17.11	-672.17	-1345.65	4999.33	7843.86	.330	7	.154	8
102-	231	LG4	.395	.133	.060	.256	6	17.11	-366.72	-1413.71	2254.80	9682.05	.265	7	.173	8
103-	261	LG4	.402	.148	.059	.247	6	17.11	457.02	1279.70	-2246.53	-9336.37	.251	7	.133	8
104-	271	LG4	.557	.256	.178	.243	6	17.11	789.86	1362.54	-6731.44	-9184.30	.412	7	.236	8
207-	361	LG4	.439	.241	.153	.126	8	16.61	744.54	-599.60	-5778.24	4774.02	.302	7	.153	6
208-	371	LG4	.438	.355	.024	.080	8	16.61	1096.50	-663.53	-906.14	3022.01	.360	7	.227	6
302-	421	LG4	.569	.395	.124	.122	7	18.37	-1089.77	-508.54	5445.12	5358.27	.545	6	.506	8
303-	431	LG4	.586	.424	.007	.161	8	18.37	-1170.51	-424.36	-320.27	7067.67	.566	7	.452	6
341-	441	LG4	.484	.408	.057	.049	8	.00	-1065.79	-391.60	2389.66	2053.42	.289	7	.093	6
351-	451	LG4	.420	.340	.056	.058	8	.00	1048.31	564.54	-2108.46	-2200.35	.262	7	.100	6
501-	671	LG4	.756	.607	.146	.028	8	.00	1873.96	2183.42	-5539.37	1047.97	.713	7	.564	6
502-	631	LG4	.884	.722	.144	.076	8	14.15	-2007.12	-1052.90	6292.92	3340.79	.838	7	.644	6
503-	621	LG4	.881	.668	.211	.028	8	.00	-1858.57	-1309.79	9237.81	-1246.82	.829	7	.630	6
504-	661	LG4	.779	.632	.140	.043	8	14.15	1951.23	2331.68	-5316.52	-1631.84	.739	7	.586	6
505-	571	LG4	.717	.601	.054	.103	8	14.60	1854.14	-857.37	-2059.20	3892.97	.669	7	.512	6
506-	531	LG4	.608	.435	.036	.169	8	14.60	-1209.35	1186.14	1567.65	-7432.01	.480	7	.283	6
507-	521	LG4	.633	.531	.037	.095	8	14.60	-1476.61	1398.65	1610.11	-4161.51	.600	7	.469	6
508-	561	LG4	.617	.481	.032	.132	8	14.60	1484.89	-804.81	-1204.99	5005.33	.488	7	.300	6
541-	641	LG4	.762	.658	.076	.072	8	.00	-1763.82	355.53	3183.52	3009.12	.451	7	.108	6
551-	651	LG4	.680	.559	.097	.073	8	.00	1727.43	445.83	-3653.88	-2761.26	.414	7	.123	6
202-	205	LG7	.244	.158	.086	.009	8	.00	-965.61	937.29	7118.36	-748.28	.215	7	.154	6
205-	321	LG7	.232	.159	.071	.017	8	.00	-971.63	973.64	5912.68	-1372.18	.209	7	.150	6
203-	206	LG7	.173	.102	.068	.020	8	.00	-619.30	814.64	-5629.08	-1662.28	.112	7	.087	6
206-	331	LG7	.247	.105	.108	.092	8	21.61	-616.49	901.50	8958.37	-7645.63	.177	7	.140	6

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	Maximum Combined Unity CK	/--- Unity Check ---/			Load Case	Dist From End(Ft)	Force Fx (Kips)	/----- Critical Member Loads -----/			Next Two Highest Cases				
			Axial	Y-Axis	Z-Axis				Torsion Tx	Moment My	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN	
221-	202	LG7	.307	.168	.134	.039	8	.00	-1024.63	1118.35	-11144.05	3206.14	.243	7	.172	6
231-	203	LG7	.178	.120	.043	.038	8	.00	-702.25	700.15	-3570.82	3131.50	.100	7	.062	6
611-	712	LG7	.481	.441	.038	.015	6	2.64	-2690.50	244.29	3126.72	1228.49	.431	7	.318	8
621-	722	LG7	.444	.337	.095	.048	8	.00	-2059.55	26.91	-7912.82	3944.65	.407	7	.303	6
631-	732	LG7	.392	.327	.022	.061	8	.00	-1999.78	-19.37	-1815.60	5078.18	.373	7	.293	6
641-	742	LG7	.517	.334	.138	.122	8	.00	-2038.07	2511.00	-11422.45	-10096.85	.359	7	.150	6
651-	752	LG7	.436	.329	.066	.084	8	.00	2008.20	-3515.88	5515.09	7003.10	.290	7	.119	6
661-	762	LG7	.377	.325	.046	.027	8	.00	1981.84	-1571.24	-3780.64	-2230.17	.354	7	.276	6
671-	772	LG7	.416	.356	.047	.037	8	.00	2174.25	-1474.03	3882.71	-3106.51	.379	7	.279	6
681-	782	LG7	.525	.475	.049	.008	6	.00	2901.57	-4908.53	-4073.15	-679.72	.478	7	.362	8
424-	446	M08	.304	.226	.068	.037	8	18.89	-59.52	-10.27	-62.44	33.89	.283	7	.227	6
443-	423	M08	.311	.244	.025	.063	7	.00	-64.14	-3.70	-23.08	56.68	.293	8	.283	6
443-	463	M08	.238	.170	.055	.040	8	.00	61.59	12.24	49.87	36.12	.209	7	.157	6
446-	464	M08	.236	.180	.031	.048	7	18.89	65.26	.95	28.00	-43.13	.236	6	.214	8
423-	507	M09	.169	.011	.079	.137	8	.00	-3.69	25.26	130.65	-226.86	.128	7	.082	6
424-	506	M09	.194	.023	.117	.125	7	.00	-7.54	-1.13	193.32	206.56	.192	8	.180	6
463-	508	M09	.199	.022	.122	.129	7	.00	11.42	9.84	-201.69	-212.69	.191	6	.190	8
464-	505	M09	.135	.011	.051	.113	8	.00	5.85	-23.31	-85.19	187.25	.085	6	.084	7
421-	423	M10	.415	.293	.024	.119	6	.00	150.76	32.38	-38.43	192.33	.372	7	.303	8
423-	425	M10	.229	.134	.003	.094	6	19.53	-54.59	-6.47	-4.75	152.37	.119	7	.117	8
424-	431	M10	.294	.123	.169	.025	8	.00	63.41	-12.56	272.31	40.06	.251	6	.177	7
425-	424	M10	.162	.101	.057	.022	6	19.53	51.99	21.32	91.56	35.05	.161	8	.111	7
461-	463	M10	.388	.222	.164	.029	8	21.37	-87.00	14.72	-274.14	47.86	.232	7	.217	6
463-	465	M10	.206	.142	.025	.058	6	19.53	-57.81	-27.52	40.63	-94.27	.151	8	.126	7
464-	471	M10	.630	.462	.041	.164	6	21.37	-180.86	-28.04	58.75	234.15	.553	7	.424	8

*** Report Of Element Stress At Maximum Unity Check ***

Member JA -JB	Group ID	Maximum Combined Unity CK	/--- Unity Check ---/			Load Case	Dist From End(Ft)	/----- Critical Member Loads -----/				Next Two Highest Cases				
			Component Values					Force Fx (Kips)	Torsion Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN	
			Axial	Y-Axis	Z-Axis	No.										
465-	464	M10	.221	.117	.001	.104	6	.00	60.07	10.08	1.28	167.72	.120	8	.107	7
421-	425	M11	.293	.149	.058	.132	7	.00	-98.35	-14.14	-179.07	404.52	.282	6	.266	8
425-	431	M11	.275	.200	.041	.062	6	22.50	-132.44	13.16	-133.37	-204.98	.225	7	.192	8
461-	465	M11	.235	.142	.035	.087	6	.00	118.04	5.59	106.72	-264.93	.163	7	.119	8
465-	471	M11	.264	.069	.047	.189	6	22.50	57.41	23.66	144.21	579.16	.254	7	.216	8
423-	424	M12	.104	.070	.028	.019	8	19.17	-65.41	-12.77	112.81	75.98	.089	7	.074	6
463-	464	M12	.088	.052	.030	.019	8	.00	58.59	3.23	-120.33	77.73	.076	7	.059	6
411-	421	M14	.225	.024	.010	.200	8	48.30	16.92	6.15	-27.93	575.96	.212	6	.210	7
471-	481	M14	.333	.103	.038	.227	6	48.30	-33.94	-21.78	110.02	652.32	.315	7	.250	8
411-	451	M18	.133	.023	.045	.100	8	.00	-12.82	-21.07	283.64	-634.59	.126	6	.114	7
421-	443	M18	.208	.137	.058	.040	8	.00	163.19	-6.92	366.18	250.63	.182	7	.136	6
431-	446	M18	.128	.092	.024	.027	8	.00	-88.20	-17.59	150.10	172.91	.111	7	.091	6
441-	481	M18	.093	.006	.019	.085	8	.00	6.88	2.63	121.09	536.94	.091	6	.079	7
443-	461	M18	.135	.030	.034	.099	6	30.80	-29.05	20.41	-212.32	628.07	.119	8	.107	7
446-	471	M18	.229	.186	.019	.039	8	30.80	-178.11	-.96	-132.12	270.35	.227	7	.191	6
421-	451	M20	.375	.036	.030	.338	6	.00	35.82	-29.43	176.23	-1961.84	.341	8	.317	7
441-	471	M20	.451	.127	.130	.297	6	78.28	-47.82	13.30	755.79	-1725.69	.289	7	.173	8
463-	423	M21	.069	.040	.028	.006	6	.00	-72.19	9.23	-344.77	67.52	.054	8	.048	7
464-	424	M21	.063	.024	.039	.001	8	27.56	-43.44	60.30	473.40	-8.95	.059	6	.042	7
521-	561	M16	.310	.120	.025	.188	6	.00	-48.14	-18.58	94.41	-710.67	.236	7	.218	8
531-	571	M16	.245	.057	.073	.174	6	.00	45.09	10.74	277.42	-657.10	.166	7	.140	8
511-	561	M20	.256	.047	.054	.202	8	69.21	46.98	-25.88	314.88	1171.92	.187	6	.180	7
531-	581	M20	.431	.300	.079	.106	6	69.21	-143.07	-12.73	378.51	508.18	.361	7	.303	8
626-	643	P08	.360	.272	.009	.087	7	16.25	-76.70	5.36	-8.34	-80.77	.341	8	.307	6
628-	646	P08	.345	.238	.108	.006	8	.00	-67.05	12.70	-101.42	-5.96	.313	7	.236	6

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	ID	Maximum Combined Unity CK	/--- Unity Check ---/			Load Case	Dist From End(Ft)	/----- Critical Member Loads -----/				Next Two Highest Cases			
				Axial	Y-Axis	Z-Axis			Force Fx (Kips)	Torsion Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
643-	666	P08	.286	.215	.012	.071	8	.00	77.87	-4.39	10.79	64.33	.242	7	.160	6
646-	668	P08	.298	.194	.094	.045	8	16.25	70.34	-11.87	-85.30	-40.75	.295	7	.248	6
621-	626	P10	.354	.222	.071	.112	6	.00	114.01	6.62	-114.46	180.16	.342	7	.284	8
623-	625	P10	.105	.057	.013	.046	6	13.19	-25.60	-11.03	-20.53	74.53	.072	8	.057	7
625-	624	P10	.131	.056	.043	.062	8	13.19	-25.24	-5.02	-68.95	99.55	.097	6	.068	7
626-	503	P10	.159	.017	.104	.097	8	27.44	-5.87	2.11	-167.52	-155.91	.151	7	.148	6
628-	502	P10	.212	.052	.023	.158	7	27.44	-17.56	-26.01	-36.73	255.89	.200	6	.199	8
631-	628	P10	.255	.170	.060	.060	6	18.37	-70.52	-27.65	-105.52	-106.64	.165	7	.091	8
663-	665	P10	.155	.049	.022	.103	6	13.19	-22.30	-5.00	-35.23	-166.19	.141	8	.102	7
665-	664	P10	.185	.050	.054	.124	6	.00	25.69	24.72	86.64	200.96	.130	8	.117	7
666-	504	P10	.177	.012	.109	.125	8	27.44	-3.91	16.17	175.83	-201.90	.164	6	.154	7
666-	661	P10	.358	.313	.021	.040	8	18.37	-129.85	31.85	-34.55	65.72	.313	7	.235	6
668-	501	P10	.229	.030	.162	.116	7	27.44	-10.22	-20.47	261.43	186.67	.222	6	.214	8
668-	671	P10	.827	.478	.084	.339	6	18.37	-198.33	.33	127.28	514.00	.739	7	.553	8
611-	621	P12	.242	.117	.024	.123	6	.00	-50.95	15.51	-74.61	375.82	.228	7	.221	8
621-	625	P12	.371	.262	.035	.104	8	.00	-173.31	21.14	-110.19	329.95	.342	7	.280	6
625-	631	P12	.297	.217	.072	.034	8	22.50	-143.50	-25.93	-234.87	110.83	.279	7	.239	6
631-	641	P12	.716	.499	.003	.217	6	.00	-218.13	.24	5.07	406.96	.626	7	.469	8
651-	661	P12	.399	.101	.054	.293	6	40.56	84.31	-9.22	-164.94	896.97	.340	7	.227	8
661-	665	P12	.266	.097	.032	.167	6	.00	80.26	-2.50	-96.76	-510.85	.206	7	.130	8
665-	671	P12	.373	.112	.013	.261	7	22.50	93.30	9.84	41.23	798.16	.349	6	.321	8
671-	681	P12	.554	.175	.001	.379	6	40.56	-76.41	-24.64	-2.60	1136.96	.551	7	.480	8
611-	651	P14	.398	.247	.083	.126	8	46.13	-113.69	-6.12	-277.14	420.52	.378	7	.307	6
621-	643	P14	.228	.168	.034	.049	8	.00	154.36	-4.03	-128.46	182.32	.190	7	.116	6
631-	646	P14	.335	.290	.007	.044	8	23.06	-217.09	17.00	26.11	-170.78	.300	7	.229	6

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	Combined	Unity Check			Load Case	Dist From	Critical Member Loads				Next Two Highest Cases			
			Maximum Unity CK	Axial	Y-Axis			Z-Axis	Force Fx (Kips)	Torsion Fx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
641-681	P14	.223	.129	.049	.080	6	.00	-59.47	7.54	184.04	-299.11	.190	7	.155	8
643-661	P14	.279	.051	.075	.215	6	23.06	-38.48	-2.63	-279.18	802.52	.218	7	.189	8
646-671	P14	.526	.341	.028	.183	7	23.06	-255.01	-44.99	-107.49	693.28	.511	8	.435	6
623-624	P16	.094	.014	.018	.078	8	19.29	-13.19	5.63	-87.93	383.28	.078	6	.045	7
626-628	P16	.171	.100	.030	.065	8	19.29	-92.53	-.49	-146.44	321.08	.129	6	.126	7
663-664	P16	.099	.010	.006	.090	8	.00	10.07	-24.80	27.66	443.22	.074	6	.042	7
666-668	P16	.122	.044	.015	.076	8	.00	46.36	-25.67	73.80	376.81	.075	6	.075	7
621-651	P18	.598	.253	.088	.333	7	.00	-110.64	-15.20	-370.02	-1397.17	.553	8	.500	6
641-671	P18	.346	.107	.003	.239	7	.00	95.82	1.85	15.04	-1137.61	.346	6	.279	8
623-626	P21	.086	.011	.009	.075	6	4.13	-22.32	-37.85	-115.22	909.42	.047	7	.012	8
624-628	P21	.097	.011	.017	.084	8	4.13	-23.68	135.10	-212.61	-1026.13	.044	7	.022	6
626-666	P21	.049	.009	.002	.039	8	19.88	19.50	26.51	-23.37	-478.36	.046	6	.028	7
628-668	P21	.078	.037	.020	.035	8	.00	-71.65	44.90	-242.96	-429.10	.048	7	.026	6
666-663	P21	.103	.014	.007	.088	8	.00	30.17	-8.16	-87.40	-1076.63	.039	7	.038	6
668-664	P21	.085	.010	.011	.074	6	.00	21.61	-26.09	-132.83	901.17	.031	7	.028	8
112-212	PL2	1.234	.227	.991	.183	6	.00	2170.82	.00	114363.90	21085.75	1.079	7	.962	8
122-222	PL2	1.087	.027	.629	.853	6	.00	262.13	.00	72583.97	98427.13	1.019	7	.987	8
132-232	PL2	1.150	.072	.675	.840	6	.00	688.84	.00	77906.55	96971.41	1.075	7	1.018	8
142-242	PL2	1.262	.145	.092	1.113	6	.00	-1384.68	.00	-10697.65	128523.40	1.034	7	1.013	8
152-252	PL2	1.143	.326	.607	.547	8	.00	-2639.76	.01	-74038.03	-66714.63	1.059	7	1.051	6
162-262	PL2	1.311	.269	.665	.802	6	.00	-2569.26	.01	-76806.08	-92569.54	1.262	7	1.242	8
172-272	PL2	1.295	.243	.675	.806	6	.00	-2326.38	.01	-77942.07	-93072.97	1.288	8	1.274	7
182-282	PL2	1.632	.520	1.111	.047	6	.00	-4211.15	.01	-126281.80	-5381.10	1.509	7	1.361	8
212-312	PL3	.609	.397	.211	.025	6	4.80	2206.94	.00	-14653.02	-1745.26	.540	7	.405	8
222-322	PL3	.375	.201	.174	.002	8	4.80	1120.01	.00	-12073.27	-167.86	.343	7	.266	6

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	ID	Maximum Unity CK	Unity Check			Load Case No.	Dist From End(Ft)	Force Fx (Kips)	Critical Member Loads			Next Two Highest Cases			
				Component Values	Axial	Y-Axis				Z-Axis	Torsion Tx	Moment My	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
232-	332	PL3	.403	.194	.188	.092	7	4.80	1077.43	.00	-13084.21	-6369.84	.393	8	.358	6
242-	342	PL3	.491	.276	.015	.215	6	4.80	-1348.77	.00	1143.02	-16436.75	.337	8	.249	7
252-	352	PL3	.699	.533	.117	.117	8	4.80	-2603.95	.01	8380.37	8396.02	.504	7	.308	6
262-	362	PL3	.783	.593	.190	.011	8	4.80	-2899.59	.00	13408.01	-801.87	.782	7	.725	6
272-	372	PL3	.810	.631	.179	.011	8	4.80	-3084.50	.00	12528.39	-789.71	.766	7	.665	6
282-	382	PL3	1.096	.855	.241	.003	6	4.80	-4175.43	.01	15771.68	-220.45	1.033	7	.878	8
312-	412	PL4	.494	.403	.091	.002	6	46.96	2242.46	.00	6299.95	112.38	.443	7	.316	8
322-	422	PL4	.285	.208	.077	.007	8	46.73	1155.52	.00	5346.41	478.63	.247	7	.152	6
332-	432	PL4	.297	.200	.083	.049	7	46.73	1112.94	.00	5801.56	3377.41	.291	8	.240	6
342-	442	PL4	.356	.264	.002	.092	6	46.96	-1313.26	.00	-124.89	7104.82	.237	8	.123	7
352-	452	PL4	.601	.517	.060	.059	8	46.96	-2568.44	.01	-4423.26	-4330.94	.406	7	.182	6
362-	462	PL4	.672	.576	.095	.005	8	46.73	-2864.08	.00	-6921.88	-338.25	.667	7	.600	6
372-	472	PL4	.697	.613	.084	.003	8	46.73	-3048.99	.00	-6026.43	-211.24	.654	7	.543	6
382-	482	PL4	.946	.834	.112	.007	6	46.96	-4139.92	.01	-7681.87	501.55	.897	7	.752	8
412-	512	PL5	.494	.403	.091	.002	6	.00	2242.43	.00	6299.95	112.39	.443	7	.316	8
422-	522	PL5	.285	.208	.077	.007	8	.00	1155.53	-.01	5346.41	478.63	.247	7	.152	6
432-	532	PL5	.297	.200	.083	.049	7	.00	1112.95	-.08	5801.56	3377.41	.291	8	.240	6
442-	542	PL5	.351	.260	.002	.091	6	.00	-1313.25	-.24	-124.89	7104.82	.237	8	.123	7
452-	552	PL5	.591	.509	.059	.058	8	.00	-2568.42	.15	-4423.26	-4330.94	.399	7	.181	6
462-	562	PL5	.660	.567	.093	.005	8	.00	-2864.09	.01	-6921.88	-338.25	.656	7	.589	6
472-	572	PL5	.685	.603	.081	.003	8	.00	-3049.00	.01	-6026.43	-211.24	.642	7	.534	6
482-	582	PL5	.928	.820	.108	.007	6	.00	-4139.89	-.01	-7681.87	501.55	.880	7	.738	8
512-	612	PL6	.438	.406	.033	.001	6	.00	2258.24	-.01	2263.86	-74.74	.387	7	.259	8
522-	622	PL6	.261	.211	.050	.007	8	.00	1171.33	-.04	3467.44	-464.77	.213	7	.105	6
532-	632	PL6	.262	.206	.055	.014	8	.00	1143.98	-.08	3798.11	-993.06	.253	7	.179	6

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	ID	Maximum Unity CK	Unity Check			Load Case	Dist From End(Ft)	Force Fx (Kips)	Critical Member Loads			Next Two Highest Cases			
				Axial	Y-Axis	Z-Axis				Torsion Mx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
542-642	PL6	.290	.253	.007	.037	6	.00	-1297.45	.03	-522.44	2922.10	.197	8	.067	7	
552-652	PL6	.537	.497	.035	.020	8	.00	-2552.62	.01	-2692.93	-1573.21	.344	7	.121	6	
562-662	PL6	.604	.554	.048	.014	8	.00	-2848.29	.08	-3641.07	1043.10	.592	7	.520	6	
572-672	PL6	.644	.590	.053	.011	8	.00	-3033.20	.06	-4052.00	800.49	.593	7	.475	6	
582-682	PL6	.840	.803	.036	.008	6	.00	-4124.08	.04	-2673.07	565.59	.795	7	.660	8	
612-712	PL7	.438	.408	.029	.003	6	.00	2272.52	.07	-2046.99	-236.59	.387	7	.258	8	
622-722	PL7	.239	.213	.018	.018	8	.00	1185.53	.26	1235.04	-1280.52	.192	7	.082	6	
632-732	PL7	.249	.208	.017	.037	8	.00	1158.18	.52	1194.68	-2596.61	.246	7	.177	6	
642-742	PL7	.259	.231	.026	.010	6	.00	-1283.17	.25	-1828.47	-694.68	.170	8	.035	7	
652-752	PL7	.490	.456	.032	.012	8	.00	-2538.35	-.25	-2208.93	811.29	.311	7	.094	6	
662-762	PL7	.548	.509	.022	.032	8	.00	-2834.08	-.44	-1525.49	2237.55	.543	7	.479	6	
672-772	PL7	.593	.543	.044	.024	8	.00	-3019.01	-.33	-3071.27	1675.32	.547	7	.435	6	
682-782	PL7	.763	.738	.023	.007	6	2.64	-4108.69	-.16	1632.86	466.97	.717	7	.590	8	
712-811	PL8	.142	.075	.066	.012	6	3.03	-415.48	243.61	4584.60	844.21	.138	7	.135	8	
722-821	PL8	.220	.173	.043	.019	7	.00	-962.75	599.14	-2964.32	1355.88	.218	6	.215	8	
732-831	PL8	.223	.151	.066	.029	8	3.02	-837.85	-19.92	4605.90	2018.87	.196	7	.170	6	
742-841	PL8	.373	.217	.058	.145	7	.00	-1209.69	3579.91	-4003.15	-10091.84	.365	6	.356	8	
752-851	PL8	.209	.089	.033	.115	7	.00	-493.56	-5365.33	2271.96	7996.24	.205	8	.198	6	
762-861	PL8	.206	.182	.022	.006	6	3.02	-1014.46	-4386.22	1555.25	-432.00	.205	7	.198	8	
772-871	PL8	.210	.151	.056	.017	8	3.02	-841.01	-1473.74	3930.57	-1201.66	.188	7	.165	6	
782-881	PL8	.296	.207	.088	.011	8	3.03	-1152.86	-238.43	6113.43	-756.47	.290	7	.287	6	
123-199	SIM	.424	.282	.141	.013	6	.00	-273.09	-54.35	616.85	58.90	.349	7	.242	8	
124-199	SIM	.224	.155	.068	.012	8	.00	-149.63	-93.42	309.44	52.76	.124	6	.096	7	
199-163	SIM	.223	.138	.083	.014	8	16.79	155.69	94.76	-334.57	55.88	.147	6	.083	7	
199-164	SIM	.441	.263	.177	.013	6	16.79	296.11	52.91	-711.43	50.83	.378	7	.260	8	

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	JA -JB	ID	Maximum Unity CK	Unity Check			Load Case	Dist From End(Ft)	Critical Member Loads			Next Two Highest Cases				
					Component Values	Axial	Y-Axis			Z-Axis	Force Fx (Kips)	Torsion Tx	Moment My	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
223-	299	SIM		.223	.192	.023	.022	6	.00	215.92	14.35	91.52	-87.14	.180	7	.118	8
224-	299	SIM		.141	.105	.032	.018	8	.00	118.25	8.06	127.28	-71.90	.102	6	.078	7
299-	263	SIM		.186	.124	.060	.019	8	16.79	-119.74	6.24	-241.11	-75.29	.110	7	.094	6
299-	264	SIM		.245	.212	.025	.021	6	16.79	-205.36	-19.44	-111.67	-95.70	.200	7	.140	8
423-	499	SIM		.211	.196	.004	.015	6	16.79	219.97	7.05	14.46	60.65	.175	7	.136	8
424-	499	SIM		.146	.113	.028	.017	8	.00	126.69	4.99	113.40	-69.69	.089	6	.084	7
463-	499	SIM		.185	.140	.041	.017	8	.00	-135.98	.09	-165.37	68.03	.102	7	.092	6
499-	464	SIM		.261	.244	.010	.012	6	16.79	-236.66	-13.34	-45.29	-55.02	.217	7	.158	8
626-	699	SIM		.196	.155	.007	.041	6	.00	173.87	-7.93	-29.67	165.80	.176	7	.132	8
628-	699	SIM		.168	.088	.030	.073	8	.00	99.31	-4.41	-121.63	-295.34	.102	7	.059	6
699-	666	SIM		.228	.167	.000	.061	8	13.85	-167.25	10.03	-.46	-280.92	.151	7	.038	6
699-	668	SIM		.242	.208	.019	.027	6	13.85	-209.03	-7.26	-88.31	124.00	.209	7	.159	8
811-	1	IL1		.177	.089	.054	.070	6	2.25	-417.89	360.16	-2705.25	-3524.29	.172	7	.166	8
821-	2	IL1		.259	.220	.038	.011	6	4.50	-1044.20	1285.32	-1897.30	-571.43	.240	7	.223	8
831-	3	IL1		.269	.177	.085	.036	8	2.25	-840.07	182.39	-4294.81	-1826.24	.237	7	.208	6
841-	4	IL1		.411	.265	.031	.143	6	2.25	-1258.03	2914.86	1543.27	7230.74	.391	7	.354	8
1-	9	IL2		.173	.091	.053	.063	6	.00	-417.05	360.16	-2697.48	-3202.17	.170	7	.165	8
2-	10	IL2		.260	.227	.032	.010	6	.00	-1044.20	1285.32	-1897.30	-571.43	.241	7	.222	8
3-	11	IL2		.261	.177	.078	.032	8	.00	-839.22	182.39	-3919.38	-1641.76	.232	7	.207	6
4-	13	IL2		.380	.265	.015	.114	6	.00	-1257.18	2914.86	765.01	5759.84	.360	7	.329	8
9-	18	IL3		.128	.079	.040	.029	8	7.13	-459.38	-1394.27	-2463.17	1765.10	.116	7	.100	6
18-	73	IL3		.095	.061	.029	.018	8	.00	-353.81	-816.45	-1783.33	1116.88	.092	7	.087	6
73-	81	IL2		.091	.075	.014	.008	8	.00	-350.10	-816.45	-726.68	404.82	.088	7	.084	6
10-	19	IL3		.192	.178	.002	.014	6	7.13	-1035.51	1285.32	149.12	1002.00	.185	7	.173	8
19-	74	IL3		.096	.077	.013	.013	8	.00	-448.01	37.13	-814.09	818.42	.091	6	.091	7

*** Report Of Element Stress At Maximum Unity Check ***

Member JA -JB	Group ID	Maximum Combined Unity CK	Unity Check			Load Case No.	Dist From End(Ft)	Force Fx (Kips)	Critical Member Loads			Next Two Highest Cases				
			Axial	Y-Axis	Z-Axis				Torsion Mx	Moment My	Moment Mz	Combined Unity	LD CK	Combined Unity	LD CK	
74-	83	TL2	.120	.098	.015	.017	6	6.00	-458.66	525.43	773.25	837.51	.115	7	.110	8
11-	20	TL3	.189	.143	.046	.002	8	7.13	-830.54	182.39	2851.41	121.03	.158	7	.136	6
20-	75	TL3	.093	.063	.030	.000	8	.00	-366.34	204.08	1845.06	3.05	.079	7	.067	6
75-	84	TL2	.097	.077	.020	.004	8	.00	-362.62	204.08	1004.74	-177.64	.089	7	.084	6
13-	21	TL3	.342	.212	.078	.104	6	7.13	-1248.50	2914.86	-4839.54	-6463.32	.337	7	.312	8
21-	76	TL3	.272	.177	.074	.060	7	.00	-1045.62	1186.75	-4565.42	-3705.54	.267	6	.263	8
76-	85	TL2	.265	.219	.042	.019	7	.00	-1041.90	1186.75	-2118.08	-976.23	.262	8	.261	6
851-	5	IL1	.229	.111	.118	.004	8	2.25	-524.88	-2816.47	5940.20	-197.53	.225	7	.209	6
861-	6	IL1	.235	.214	.021	.004	6	2.25	-1016.62	-4407.44	1049.27	-213.87	.208	7	.199	8
871-	7	IL1	.240	.177	.060	.019	8	2.25	-840.73	-1586.68	3013.59	-956.21	.212	7	.189	6
881-	8	IL1	.338	.243	.070	.064	8	2.25	-1156.24	-342.67	3514.47	3216.77	.332	7	.331	6
5-	14	TL2	.202	.114	.088	.005	8	.00	-524.04	-2816.47	4433.45	-229.73	.197	7	.184	6
6-	15	TL2	.242	.219	.021	.007	6	14.38	-1010.40	-4407.44	-1256.32	-431.24	.226	7	.206	8
7-	16	TL2	.223	.177	.043	.017	8	.00	-839.89	-1586.68	2159.32	-864.42	.197	7	.179	6
8-	17	TL2	.338	.249	.085	.027	7	14.38	-1181.07	-3152.94	-4293.40	-1390.05	.334	6	.330	8
14-	23	TL3	.205	.089	.116	.009	8	7.13	-515.35	-2816.47	-7206.12	-537.49	.195	7	.172	6
23-	77	TL3	.149	.062	.087	.010	8	.00	-956.91	-1404.32	-5364.39	-629.26	.141	7	.125	6
77-	86	TL2	.122	.075	.047	.004	8	.00	-953.20	-1404.32	-2372.33	-207.71	.118	7	.110	6
15-	24	TL3	.196	.171	.025	.003	6	7.13	-1007.09	-4407.44	-1559.85	160.17	.180	7	.168	8
24-	78	TL3	.103	.080	.023	.003	6	.00	-463.27	-2129.32	-1403.77	-179.30	.092	7	.085	8
78-	87	TL2	.113	.098	.014	.007	6	.00	-459.55	-2129.32	-687.75	345.26	.106	7	.101	8
16-	25	TL3	.195	.143	.052	.000	8	7.13	-831.20	-1586.68	-3245.46	12.71	.182	7	.163	6
25-	79	TL3	.093	.059	.034	.004	8	.00	-341.20	-602.92	-2086.73	237.64	.088	7	.081	6
79-	88	TL2	.093	.072	.021	.004	8	.00	-337.48	-602.92	-1036.58	-181.98	.091	7	.088	6
17-	26	TL3	.323	.200	.112	.053	7	7.13	-1177.76	-3152.94	-6902.85	-3280.02	.318	6	.317	8

*** Report Of Element Stress At Maximum Unity Check ***

Member	Group	ID	Unity Check			Load Case	Dist From End (Ft)	Critical Member Loads				Next Two Highest Cases				
			Maximum Combined Unity CK	Axial	Y-Axis			Z-Axis	Force Fx (Kips)	Torsion Mx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
26-	80	TL3	.274	.178	.091	.031	7	.00	-1049.44	-1859.60	-5624.65	-1945.61	.271	8	.268	6
80-	89	TL2	.267	.220	.046	.007	7	.00	-1045.73	-1859.60	-2340.71	-376.34	.264	8	.264	6
83-	140	TL2	.012	.006	.006	.001	6	.00	26.95	-109.33	-305.75	-28.18	.008	7	.007	8
87-	147	TL2	.035	.006	.017	.002	6	.00	28.99	-955.97	836.13	-122.92	.030	7	.020	8
84-	149	TL2	.015	.004	.011	.001	8	.00	20.06	26.66	-555.95	-36.55	.012	7	.009	6
88-	150	TL2	.026	.003	.003	.001	6	.00	16.23	-909.83	138.80	-57.89	.017	8	.015	7

Report * * *

ster Than 1.33

Force Fx	KL _V /RV	KL _Z /RZ	Second-Highest		Third-Highest	
			Unity Check	Load Case	Unity Check	Load Case
4.64	99.6	99.6	142.614	7	1.471	6
-6.30	99.6	99.6	142.662	8	1.395	6
-6.22	99.9	99.9	1.384	7	.913	6
-6.98	99.9	99.9	1.930	7	1.114	6
7.31	113.7	113.7	2.032	7	1.197	6
-6.64	111.8	111.8	.728	7	.136	8
209.67	50.6	50.6	1.509	7	1.361	8

*** Member Group Summary Report ***

Group II - Unity Checks Greater Than 1.00 And Less Than 1.33

Member	Group	Maximum Combined Unity	Load Case	Dist From End (Ft)	Axial Stress /---- (KSI)	Bending Stress Y Z /---/ (KSI)	Shear Force Fy Fz /-- (Kips) --/	KLV/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case			
JA -JB	ID	CK	NO.							Check	Case	Check	Case			
✓ 561-	651	165	1.015	6	.0	-10.28	-8.97	-16.64	10.22	-6.97	115.0	115.0	.612	7	.365	8
✓ 421-	511	185	1.048	6	59.1	-13.62	-3.08	-10.58	-8.75	2.61	114.5	114.5	.677	7	.315	8
✓ 441-	531	185	1.062	6	62.1	-11.41	-6.02	-12.98	-11.12	6.43	120.3	120.3	.623	7	.236	8
✓ 361-	451	203	1.322	6	.0	-15.00	-7.06	-12.34	6.82	-5.57	113.3	113.3	.591	7	.318	8
✓ 231-	321	205	1.020	6	67.1	-15.40	-2.14	-5.32	-5.04	2.66	116.7	116.7	.561	7	.151	8
✓ 451-	511	205	1.221	7	69.1	-14.86	-4.01	7.87	6.24	4.60	120.3	120.3	1.207	8	.996	6
✓ 471-	531	205	1.284	8	.0	-15.99	-6.83	-2.65	.97	-7.50	120.1	120.1	1.168	7	.838	6
✓ 241-	331	243	1.089	6	76.1	-15.00	-5.57	-9.10	-7.50	6.18	109.3	109.3	.580	7	.168	8
✓ 161-	251	263	1.229	6	.0	-19.30	-4.64	-5.16	4.97	-6.68	105.9	105.9	.502	7	.232	8
✓ 171-	261	265	1.159	6	.0	-22.56	-6.26	-1.54	3.43	-7.61	95.1	95.1	.524	7	.101	8
✓ 511-	611	LG2	1.158	6	5.0	-38.13	6.92	-1.74	8.43	45.62	26.7	26.7	1.042	7	.751	8
✓ 581-	681	LG2	1.053	6	5.0	40.12	-5.61	1.64	-5.76	-43.01	26.7	26.7	.966	7	.714	8
112-	212	PL2	1.234	6	.0	9.81	-53.49	9.86	-33.19	-186.01	50.6	50.6	1.079	7	.962	8
122-	222	PL2	1.087	6	.0	1.18	-33.95	46.04	-161.99	-117.34	50.3	50.3	1.019	7	.987	8
132-	232	PL2	1.150	6	.0	3.11	-36.44	45.36	-159.51	-128.20	50.3	50.3	1.075	7	1.018	8
142-	242	PL2	1.262	6	.0	-6.26	4.96	60.12	-211.58	19.39	50.6	50.6	1.034	7	1.013	8
152-	252	PL2	1.143	8	.0	-11.93	34.63	-31.21	109.67	122.55	50.6	50.6	1.059	7	1.051	6
162-	262	PL2	1.311	6	.0	-11.61	35.93	-43.30	152.09	128.86	50.3	50.3	1.262	7	1.242	8
172-	272	PL2	1.295	6	.0	-10.51	36.46	-43.53	153.25	128.65	50.3	50.3	1.288	8	1.274	7
282-	382	PL3	1.096	6	4.8	-32.42	-12.23	-.17	.64	-18.24	42.8	42.8	1.033	7	.878	8

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum	Load	Dist	Axial	Bending Stress		Shear Force		KLY/RV	KLZ/RZ	Second-Highest	Third-Highest	Unity	Load	Unity	Load
JA -JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz			Check	Case	Check	Case	Check	Case
			NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips)	-/								
511-	621	165	.473	6	.0	6.29	11.81	13.14	-8.89	9.01	120.9	120.9	.409	7	.363	8	
521-	631	165	.403	8	.0	-1.30	2.42	18.05	-14.77	1.70	122.3	122.3	.391	7	.357	6	
531-	641	165	.457	6	.0	9.14	6.78	11.39	-7.78	5.04	115.0	115.0	.413	8	.391	7	
571-	661	165	.408	6	.0	-.63	-11.65	-16.67	10.28	-8.92	122.3	122.3	.401	7	.354	8	
321-	431	185	.448	6	.0	11.74	4.70	8.27	-5.06	3.80	122.7	122.7	.331	7	.212	8	
461-	571	185	.361	6	59.7	4.67	3.35	13.24	9.54	-2.80	115.7	115.7	.343	7	.276	8	
431-	521	185	.416	6	59.7	-3.93	-5.57	-11.00	-9.85	4.86	115.7	115.7	.367	7	.259	8	
253-	201	205	.156	8	.0	-.11	8.25	.57	-.84	9.06	45.6	45.6	.155	7	.143	6	
311-	421	205	.435	6	.0	10.74	6.50	7.69	-5.74	4.97	119.9	119.9	.301	7	.189	8	
346-	304	205	.231	8	.0	-.67	-11.48	.67	-.20	-12.56	44.0	44.0	.208	7	.150	6	
261-	371	205	.414	6	67.1	13.23	.85	5.77	4.77	-1.07	116.7	116.7	.276	7	.111	8	
421-	561	205	.456	8	69.0	16.25	3.90	-1.83	-.66	-3.81	120.1	120.1	.434	7	.375	6	
511-	651	205	.454	7	.0	10.28	7.46	-9.00	7.05	9.05	103.6	103.6	.440	6	.423	8	
531-	671	205	.476	6	.0	11.06	3.01	-11.46	12.23	4.15	103.4	103.4	.462	7	.405	8	
201-	321	243	.121	8	40.8	-2.91	-1.85	.35	.13	3.55	58.7	58.7	.105	7	.088	6	
231-	204	243	.126	6	.0	2.10	.16	-3.89	3.80	-.28	70.8	70.8	.089	8	.089	7	
251-	361	243	.478	6	76.1	12.83	-.03	9.14	7.35	-.15	109.3	109.3	.296	7	.262	8	
304-	431	243	.136	8	35.9	-2.54	-2.48	-2.24	-1.17	4.55	51.5	51.5	.131	6	.128	7	
321-	301	243	.108	6	.0	.80	1.13	-4.39	5.23	1.05	62.3	62.3	.076	7	.051	8	
201-	343	245	.047	8	25.9	.78	-.44	-1.47	-.51	-2.48	37.4	37.4	.046	7	.038	6	
202-	201	245	.118	8	.0	2.08	-3.61	.87	-.28	-3.81	51.2	51.2	.095	7	.080	6	
203-	204	245	.114	6	.0	-1.74	-1.65	-3.01	4.69	-1.71	58.6	58.6	.100	7	.091	8	
301-	343	245	.085	7	23.4	.48	3.34	2.07	2.57	-7.16	33.7	33.7	.084	8	.077	6	
302-	301	245	.121	8	.0	-2.06	-3.20	1.18	-.60	-3.02	51.2	51.2	.102	7	.101	6	

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum Combined Unity	Load Case NO.	Dist From End(Ft)	axial Stress /---- (KSI)	Bending Stress Y Z	Shear Force Fy Fz	KLY/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
JA -JB	ID	CK				(KSI)	(Kips)			Check	Case	Check	Case
303-	304	245	.126	6	.0	1.57 -3.03	-3.70 6.65 -3.58	44.5	44.5	.121	7	.119	8
221-	201	265	.423	8	.0	16.73 .31	1.85 -.91 .55	59.8	59.8	.367	7	.302	6
201-	361	265	.476	8	.0	17.10 -4.15	.50 -1.39 -3.57	59.8	59.8	.444	7	.370	6
241-	381	265	.427	8	90.1	15.07 -.56	-4.05 -2.02 .60	119.9	119.9	.400	7	.324	6
700-	900	CH2	.108	7	.0	-.08 -5.30	2.20 -41.46 -100.10	11.8	11.8	.108	6	.108	8
123-	155	J08	.450	8	18.9	10.70 10.86	1.12 .06 -2.22	78.8	78.8	.417	7	.368	6
124-	146	J08	.460	8	18.9	10.90 11.11	-1.31 -.09 -2.06	78.8	78.8	.399	7	.274	6
144-	146	J08	.294	6	.0	.90 14.50	2.83 -1.08 2.95	53.9	53.9	.192	7	.087	8
155-	143	J08	.278	6	12.9	-.90 -13.44	2.44 .93 2.50	53.9	53.9	.186	7	.089	8
123-	101	J11	.319	6	.0	-2.30 -8.68	5.16 -1.28 -1.92	130.9	130.9	.317	7	.301	8
124-	102	J11	.293	8	.0	-1.79 -9.06	4.87 -1.21 -2.03	130.9	130.9	.260	7	.220	6
163-	103	J11	.223	8	.0	1.72 8.70	-4.74 1.19 2.11	130.9	130.9	.219	7	.215	6
164-	104	J11	.275	7	.0	2.70 11.41	-1.34 .28 2.56	130.9	130.9	.274	6	.265	8
123-	124	J12	.291	6	.0	4.24 -10.43	-.32 .08 -6.35	53.8	53.8	.255	7	.184	8
163-	164	J12	.329	6	19.2	-4.09 11.61	-.62 -.27 -7.63	53.8	53.8	.290	7	.229	8
121-	123	J16	.412	6	35.0	-4.95 -14.37	-2.76 -1.42 5.32	76.6	76.6	.341	7	.279	8
123-	125	J16	.301	6	.0	4.52 -10.31	2.50 -1.88 -3.74	74.2	74.2	.278	7	.237	8
124-	131	J16	.242	8	.0	.49 -12.40	-1.20 .44 -4.03	76.6	76.6	.229	7	.192	6
125-	124	J16	.264	6	33.9	-4.42 -6.68	-1.09 -.75 1.61	74.2	74.2	.255	7	.241	8
161-	163	J16	.240	6	35.0	-5.48 3.31	1.74 1.77 -.79	76.6	76.6	.238	7	.230	8
163-	165	J16	.242	7	.0	2.76 9.64	-.20 .14 2.23	74.2	74.2	.240	6	.222	8
164-	171	J16	.436	6	.0	6.64 14.91	-3.15 1.66 5.05	76.6	76.6	.386	7	.272	8
165-	164	J16	.366	6	33.9	-5.36 11.08	2.57 1.89 -3.72	74.2	74.2	.335	7	.246	8
111-	115	J20	.107	6	33.4	-3.30 -.21	-.66 .00 -.33	59.0	59.0	.082	7	.043	8

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum	Load	Dist	Axial	Bending Stress		Shear Force		KLV/RV	KLZ/RZ	Second-Highest	Third-Highest	Unity	Load	Unity	Load
JA -JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz			Check	Case	Check	Case	Check	Case
		CK	NO.	End(Ft)	/----	(KSI)	---/	/-- (Kips)	-/								
115-	121	J20	.112	6	30.4	-3.30	.98	.51	1.49	-1.14	53.7	53.7	.093	7	.061	8	
121-	125	J20	.249	6	.0	-8.34	-.84	1.74	-2.60	.94	39.8	39.8	.175	7	.071	8	
123-	143	J20	.219	7	.0	1.45	-9.93	-1.27	2.76	-13.27	24.4	24.4	.219	6	.192	8	
124-	144	J20	.205	8	.0	.41	-10.57	-.11	.34	-14.41	24.4	24.4	.199	7	.189	6	
125-	131	J20	.276	6	22.5	-7.10	5.50	.76	2.21	-5.14	39.8	39.8	.213	7	.105	8	
131-	135	J20	.289	6	.0	-7.94	-3.39	2.14	-3.07	-1.54	53.7	53.7	.184	7	.040	8	
135-	141	J20	.316	6	33.4	-7.94	4.69	-2.14	.53	-3.23	59.0	59.0	.184	7	.040	8	
143-	163	J20	.192	7	13.8	1.42	8.45	-1.58	-3.71	-12.37	24.4	24.4	.182	6	.180	8	
144-	164	J20	.226	6	13.8	-2.48	8.49	-2.75	-6.18	-12.16	24.4	24.4	.224	7	.211	8	
151-	159	J20	.263	6	.0	7.86	-3.89	-2.01	-.60	-1.67	59.0	59.0	.121	7	.040	8	
159-	161	J20	.276	6	30.4	7.86	4.64	2.07	3.01	-3.36	53.7	53.7	.156	7	.052	8	
161-	165	J20	.283	6	.0	7.72	-5.61	.55	-2.06	-4.38	39.8	39.8	.198	7	.096	8	
165-	171	J20	.262	6	22.5	9.21	1.49	2.21	2.93	-.30	39.8	39.8	.161	7	.058	8	
171-	175	J20	.159	6	.0	6.09	-.86	.39	-1.45	.07	53.7	53.7	.116	7	.063	8	
175-	181	J20	.176	6	33.4	6.09	1.77	.65	1.48	-1.62	59.0	59.0	.118	7	.054	8	
111-	145	J24	.351	8	.0	8.99	-6.39	-4.37	3.46	-5.58	67.4	67.4	.315	7	.226	6	
121-	155	J24	.318	8	.0	8.46	-6.58	.25	-.15	-5.10	67.4	67.4	.309	7	.259	6	
131-	146	J24	.348	8	.0	9.06	-7.36	-1.17	.88	-6.02	67.4	67.4	.278	7	.164	6	
141-	148	J24	.372	8	.0	9.64	-7.24	3.48	-2.86	-5.82	67.4	67.4	.348	7	.272	6	
145-	151	J24	.328	8	46.3	-7.32	5.20	3.23	2.62	-3.19	67.4	67.4	.325	7	.264	6	
146-	171	J24	.368	7	46.3	-8.59	5.85	1.78	1.23	-3.43	67.4	67.4	.342	8	.341	6	
148-	181	J24	.361	8	46.3	-7.76	5.94	-4.07	-3.24	-4.12	67.4	67.4	.315	7	.227	6	
155-	161	J24	.347	8	46.3	-7.78	6.28	-1.11	-.88	-4.16	67.4	67.4	.288	7	.194	6	
121-	145	J25	.169	6	78.8	-1.84	-3.21	-3.28	-4.56	3.21	113.8	113.8	.151	7	.111	8	

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum Unity	Load CK	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y KSI)	Z /---/	Shear Force Fy /--- (Kips)	Fz /---	KL _V /R _V	KL _Z /R _Z	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case	
145-	161	J25	.130	6	.0	1.35	-5.22	.22	-.21	-4.59	113.8	113.8	.104	7	.073	8
148-	131	J25	.145	6	78.8	.79	-6.70	.11	-.13	5.05	113.8	113.8	.136	7	.110	8
171-	148	J25	.088	6	.0	-.24	-2.75	3.08	-4.52	-3.76	113.8	113.8	.079	7	.068	8
223-	254	K08	.241	7	18.9	-5.81	2.62	-1.69	-.70	-.26	77.2	77.2	.237	8	.212	6
224-	255	K08	.249	8	18.9	-4.77	5.50	.63	.34	-.80	77.2	77.2	.235	7	.183	6
244-	255	K08	.122	8	.0	-.34	-6.07	-.51	-.27	-1.04	52.8	52.8	.119	7	.115	6
254-	243	K08	.132	6	.0	.61	-6.34	.50	-.35	-1.20	52.8	52.8	.114	7	.110	8
254-	263	K08	.239	7	.0	4.53	-7.23	-.17	-.05	-.96	77.2	77.2	.237	8	.204	6
255-	264	K08	.165	7	.0	5.28	-1.57	-1.66	.68	-.04	77.2	77.2	.159	8	.148	6
221-	225	K11	.161	6	.0	-2.01	1.26	5.42	-2.34	.88	62.3	62.3	.159	7	.145	8
225-	231	K11	.251	6	.0	-7.16	-1.94	1.51	-1.29	-.58	62.3	62.3	.216	7	.166	8
261-	265	K11	.181	6	22.5	5.78	2.25	1.15	1.05	-.70	62.3	62.3	.144	7	.096	8
265-	271	K11	.131	6	22.5	.97	-2.17	5.47	2.33	.83	62.3	62.3	.116	7	.098	8
223-	224	K12	.087	8	19.2	-2.41	-.95	.56	1.12	.02	53.8	53.8	.077	7	.076	6
263-	264	K12	.125	8	.0	2.32	3.84	.56	-1.09	2.66	53.8	53.8	.105	7	.068	6
221-	223	K13	.331	6	29.8	9.82	-5.54	.82	-.14	1.02	81.6	81.6	.282	7	.189	8
223-	205	K13	.197	8	.0	-.73	-7.07	-5.48	1.44	-1.93	110.8	110.8	.178	7	.143	6
223-	225	K13	.411	6	.0	-9.88	-4.65	-1.02	-.66	-.76	78.1	78.1	.332	7	.214	8
224-	206	K13	.153	8	.0	-.73	-6.45	1.06	-.71	-1.71	110.8	110.8	.151	7	.137	6
224-	231	K13	.329	8	.0	8.24	-7.41	-1.12	.06	-1.49	81.6	81.6	.206	7	.166	6
225-	224	K13	.305	6	28.5	9.84	-3.66	2.01	.25	.56	78.1	78.1	.253	7	.170	8
263-	207	K13	.189	8	.0	1.51	8.26	-.95	.65	1.78	110.8	110.8	.183	7	.158	6
263-	265	K13	.398	6	.0	-9.18	5.00	1.79	-.19	.73	78.1	78.1	.335	7	.239	8
264-	208	K13	.130	8	.0	.39	3.99	5.18	-1.29	1.16	110.8	110.8	.110	7	.091	6

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum	Load	Dist	Axial	Bending	Stress	Shear	Force			Second-Highest	Third-Highest			
JA -JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz	KLY/RY	KLZ/RZ	Unity	Load	Unity	Load	
		CK	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips)	-/			Check	Case	Check	Case	
264-	271	K13	.385	6	.0	-8.67	5.02	.77	.17	.92	81.6	81.6	.310	7	.207	8
265-	264	K13	.276	6	28.5	9.20	3.29	-.96	.66	-.30	78.1	78.1	.229	7	.150	8
211-	221	K18	.403	6	.0	-6.03	-3.17	5.65	-3.22	-.93	112.6	112.6	.238	7	.069	8
271-	281	K18	.250	6	58.1	5.65	1.38	6.30	3.40	.36	112.6	112.6	.159	7	.114	8
223-	243	K20	.131	7	.0	-2.61	-3.53	.88	-1.86	-3.92	24.4	24.4	.131	6	.112	8
224-	244	K20	.120	6	.0	3.21	-2.26	.93	-1.72	-2.95	24.4	24.4	.112	7	.087	8
243-	263	K20	.133	6	13.8	-3.18	2.80	.90	1.48	-4.88	24.4	24.4	.132	7	.110	8
244-	264	K20	.113	6	13.8	3.21	1.82	.98	1.74	-2.72	24.4	24.4	.105	7	.082	8
211-	251	K24	.320	8	.0	8.68	-4.86	-3.56	1.17	-4.27	116.6	116.6	.299	7	.247	6
221-	251	K24	.376	8	.0	-2.91	-7.56	-3.53	3.14	-5.24	143.4	143.4	.315	7	.239	6
221-	253	K24	.264	6	.0	-7.22	-3.81	.33	2.12	-3.53	47.6	47.6	.264	7	.226	8
231-	255	K24	.301	6	.0	9.39	-4.24	.04	1.87	-3.62	58.3	58.3	.299	7	.259	8
241-	271	K24	.326	6	99.8	-1.33	-7.13	-9.47	-8.62	5.96	143.4	143.4	.196	7	.179	8
253-	254	K24	.288	7	.0	-7.36	-5.71	1.59	-1.76	-5.68	10.7	10.7	.286	6	.264	8
254-	261	K24	.311	7	40.6	-9.68	1.76	-.12	-.70	.92	58.3	58.3	.297	6	.284	8
255-	271	K24	.223	6	40.6	7.67	-2.01	1.11	-1.53	3.29	58.3	58.3	.213	7	.177	8
331-	346	L20	.128	6	43.0	1.27	-.92	5.25	.49	.82	74.8	74.8	.093	7	.076	8
346-	371	L20	.321	8	27.9	1.07	15.99	.90	.30	-12.39	48.5	48.5	.284	7	.214	6
311-	361	L24	.173	6	.0	3.47	-4.70	-.12	.57	-3.75	127.1	127.1	.161	7	.153	8
331-	381	L24	.369	6	.0	-4.10	-6.79	.49	.46	-4.79	127.1	127.1	.338	7	.290	8
321-	343	L25	.144	6	35.5	-.84	-1.04	6.32	2.74	1.66	51.2	51.2	.087	7	.042	8
343-	361	L25	.190	6	.0	-1.04	-3.65	7.74	-4.26	-4.46	51.2	51.2	.144	7	.121	8
111-	211	L62	.454	6	5.0	-10.07	6.19	-6.29	10.67	21.47	42.7	42.7	.264	7	.101	8
141-	241	L62	.175	8	52.6	-.55	-6.03	4.46	2.83	4.11	42.7	42.7	.154	7	.149	6

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum	Load	Dist	Axial	Bending Stress		Shear Force		KLV/RV	KLZ/RZ	Second-Highest	Third-Highest
JA -JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz			Unity	Load
		CK	NO.	End(Ft)	/----	(KSI)	---/	/-- (Kips)	/-			Check	Case
												Check	Case
151-	251	.111	6	52.6	.04	-1.24	-5.03	-1.14	.81	42.7	42.7	.110	8
												.102	7
181-	281	.368	6	5.0	9.18	-4.94	5.41	-9.54	-18.46	42.7	42.7	.215	7
												.091	8
281-	381	.461	6	5.0	14.92	1.05	-5.36	12.36	-5.57	38.6	38.6	.419	7
												.345	8
121-	101	.465	6	5.0	-10.13	3.24	-10.11	30.29	13.35	26.0	26.0	.256	7
												.091	8
131-	102	.341	6	5.0	-5.76	3.01	-9.29	37.93	16.90	26.0	26.0	.214	7
												.108	8
161-	103	.294	6	5.0	6.20	-.04	7.07	-31.85	-7.09	26.0	26.0	.171	7
												.081	8
171-	104	.433	6	5.0	10.43	.81	8.97	-28.02	-1.82	26.0	26.0	.211	7
												.055	8
251-	351	.455	8	5.0	14.53	-3.47	4.38	-16.41	-14.24	38.6	38.6	.313	7
												.179	6
261-	207	.322	8	5.0	10.09	-3.96	-1.27	8.29	-19.57	22.3	22.3	.217	7
												.140	6
271-	208	.444	8	5.0	15.16	-4.24	-1.12	8.49	-14.70	22.3	22.3	.379	7
												.266	6
101-	221	.463	6	17.1	-9.40	-6.22	9.75	27.80	27.08	16.2	16.2	.330	7
												.154	8
102-	231	.395	6	17.1	-5.13	-2.80	12.04	20.83	2.57	16.2	16.2	.265	7
												.173	8
103-	261	.402	6	17.1	6.39	2.79	-11.61	-20.08	-1.44	16.2	16.2	.251	7
												.133	8
207-	361	.439	8	16.6	10.42	7.18	5.94	16.05	-18.31	15.8	15.8	.302	7
												.153	6
208-	371	.438	8	16.6	15.34	1.13	3.76	6.73	-2.64	15.8	15.8	.360	7
												.227	6
341-	441	.484	8	.0	-14.91	-2.97	2.55	4.85	5.94	34.8	34.8	.289	7
												.093	6
351-	451	.420	8	.0	14.67	2.62	-2.74	-3.22	-2.44	34.8	34.8	.262	7
												.100	6
202-	205	.244	8	.0	-6.83	-4.57	-.48	-12.38	-23.29	3.2	3.2	.215	7
												.154	6
205-	321	.232	8	.0	-6.87	-3.80	-.88	-8.78	-18.34	16.3	16.3	.209	7
												.150	6
203-	206	.173	8	.0	-4.38	3.62	-1.07	-15.61	47.71	3.2	3.2	.112	7
												.087	6
206-	331	.247	8	21.6	-4.36	-5.75	-4.91	-19.77	42.26	16.3	16.3	.177	7
												.140	6
221-	202	.307	8	.0	-7.25	7.16	2.06	-12.63	71.57	19.5	19.5	.243	7
												.172	6
231-	203	.178	8	.0	-4.97	2.29	2.01	-15.46	5.95	19.5	19.5	.100	7
												.062	6
611-	712	.481	6	2.6	-19.03	-2.01	.79	-13.01	9.11	2.0	2.0	.431	7
												.318	8

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum	Load	Dist	Axial	Bending	Stress	Shear	Force			Second-Highest	Third-Highest			
JA -JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz	KLY/RV	KLZ/RZ	Unity	Load			
		CK	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips) -/				Check	Case			
621-	722	LG7	.444	8	.0	-14.57	5.08	2.53	-29.19	103.44	2.0	2.0	.407	7	.303	6
631-	732	LG7	.392	8	.0	-14.15	1.17	3.26	-39.95	61.23	2.0	2.0	.373	7	.293	6
651-	752	LG7	.436	8	.0	14.21	-3.54	4.50	-53.14	-20.64	2.0	2.0	.290	7	.119	6
661-	762	LG7	.377	8	.0	14.02	2.43	-1.43	19.56	45.07	2.0	2.0	.354	7	.276	6
671-	772	LG7	.416	8	.0	15.38	-2.49	-2.00	24.50	-10.34	2.0	2.0	.379	7	.279	6
424-	446	MO8	.304	8	18.9	-7.09	3.71	2.02	.82	-.55	77.2	77.2	.283	7	.227	6
443-	423	MO8	.311	7	.0	-7.64	1.37	3.37	-1.40	.10	77.2	77.2	.293	8	.283	6
443-	463	MO8	.238	8	.0	7.33	-2.97	2.15	-.83	-.49	77.2	77.2	.209	7	.157	6
446-	464	MO8	.236	7	18.9	7.77	-1.67	-2.57	-1.27	.22	77.2	77.2	.236	6	.214	8
423-	507	MO9	.169	8	.0	-.30	-4.26	-7.40	2.37	-1.72	96.5	96.5	.128	7	.082	6
424-	506	MO9	.194	7	.0	-.62	-6.31	6.74	-3.15	-1.59	96.5	96.5	.192	8	.180	6
463-	508	MO9	.199	7	.0	.93	6.58	-6.94	3.08	1.43	96.5	96.5	.191	6	.190	8
464-	505	MO9	.135	8	.0	.48	2.78	6.11	-1.93	1.19	96.5	96.5	.085	6	.084	7
421-	423	M10	.415	6	.0	12.66	1.29	6.43	-1.12	.49	69.8	69.8	.372	7	.303	8
423-	425	M10	.229	6	19.5	-4.58	.16	5.10	2.40	-.51	63.8	63.8	.119	7	.117	8
424-	431	M10	.294	8	.0	5.32	-9.11	1.34	-.88	-1.73	69.8	69.8	.251	6	.177	7
425-	424	M10	.162	6	19.5	4.37	-3.06	1.17	.32	.49	63.8	63.8	.161	8	.111	7
461-	463	M10	.388	8	21.4	-7.31	9.17	1.60	.96	-1.50	69.8	69.8	.232	7	.217	6
463-	465	M10	.206	6	19.5	-4.85	-1.36	-3.15	-.76	.60	63.8	63.8	.151	8	.126	7
465-	464	M10	.221	6	.0	5.04	-.04	5.61	-2.45	-.58	63.8	63.8	.120	8	.107	7
421-	425	M11	.293	7	.0	-5.11	3.16	7.13	-3.87	1.46	62.3	62.3	.282	6	.266	8
425-	431	M11	.275	6	22.5	-6.88	2.35	-3.61	.17	-1.01	62.3	62.3	.225	7	.192	8
461-	465	M11	.235	6	.0	6.13	-1.88	-4.67	.07	-.82	62.3	62.3	.163	7	.119	8
465-	471	M11	.264	6	22.5	2.98	-2.54	10.21	3.99	1.03	62.3	62.3	.254	7	.216	8

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum Unity	Load CK	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y KSI)	Z ---/	Shear Force Fy /--- (Kips)	Fz -/-	KLY/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
JA -JB	ID		NO.												
423- 424	M12	.104	8	19.2	-2.51	-1.51	1.02	2.20	.46	53.8	53.8	.089	7	.074	6
463- 464	M12	.088	8	.0	2.25	1.61	1.04	-2.19	1.08	53.8	53.8	.076	7	.059	6
411- 421	M14	.225	8	48.3	1.05	.52	10.82	6.13	-.34	120.3	120.3	.212	6	.210	7
471- 481	M14	.333	6	48.3	-2.11	-2.07	12.25	4.06	1.64	120.3	120.3	.315	7	.250	8
411- 451	M18	.133	8	.0	-.47	-2.42	-5.42	1.73	-.60	119.4	119.4	.126	6	.114	7
421- 443	M18	.208	8	.0	5.94	-3.13	2.14	-.99	-1.07	59.7	59.7	.182	7	.136	6
431- 446	M18	.128	8	.0	-3.21	-1.28	1.48	-.91	-.13	59.7	59.7	.111	7	.091	6
441- 481	M18	.093	8	.0	.25	-1.03	4.59	-1.37	-.56	119.4	119.4	.091	6	.079	7
443- 461	M18	.135	6	30.8	-1.06	1.81	5.37	.64	-.12	59.7	59.7	.119	8	.107	7
446- 471	M18	.229	8	30.8	-6.48	1.13	2.31	1.00	-.20	59.7	59.7	.227	7	.191	6
421- 451	M20	.375	6	.0	1.55	-1.58	-17.62	13.21	-.56	135.4	135.4	.341	8	.317	7
441- 471	M20	.451	6	78.3	-2.07	-6.79	-15.50	-12.37	5.04	135.4	135.4	.289	7	.173	8
463- 423	M21	.069	6	.0	-1.47	1.53	.90	-2.33	2.31	48.7	48.7	.054	8	.048	7
464- 424	M21	.063	8	27.6	-.89	-2.10	-.04	-.19	1.84	48.7	48.7	.059	6	.042	7
521- 561	M16	.310	6	.0	-2.61	-1.34	-10.11	6.68	-.10	115.8	115.8	.236	7	.218	8
531- 571	M16	.245	6	.0	2.45	-3.95	-9.35	6.63	-1.91	115.8	115.8	.166	7	.140	8
511- 561	M20	.256	8	69.2	2.03	-2.83	10.52	8.45	3.07	119.7	119.7	.187	6	.180	7
531- 581	M20	.431	6	69.2	-6.19	-3.40	4.56	.18	3.78	119.7	119.7	.361	7	.303	8
626- 643	PO8	.360	7	16.2	-9.13	.50	-4.80	-1.75	-.30	66.4	66.4	.341	8	.307	6
628- 646	PO8	.345	8	.0	-7.98	6.03	-.35	-.71	.94	66.4	66.4	.313	7	.236	6
643- 666	PO8	.286	8	.0	9.27	-.64	3.83	-1.36	.09	66.4	66.4	.242	7	.160	6
646- 668	PO8	.298	8	16.2	8.37	5.07	-2.42	-1.08	-.72	66.4	66.4	.295	7	.248	6
621- 626	P10	.354	6	.0	9.57	3.83	6.02	-1.43	1.47	60.0	60.0	.342	7	.284	8
623- 625	P10	.105	6	13.2	-2.15	.69	2.49	1.54	-.36	43.1	43.1	.072	8	.057	7

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum	Load	Dist	Axial	Bending	Stress	Shear	Force			Second-Highest	Third-Highest			
JA-JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz	KL _V /R _V	KL _Z /R _Z	Unity	Load			
		CK	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips)	--/			Check	Case			
625-	624	P10	.131	8	13.2	-2.12	2.31	3.33	1.69	-1.31	43.1	43.1	.097	6	.068	7
626-	503	P10	.159	8	27.4	-.49	5.60	-5.21	-3.08	-3.18	89.6	89.6	.151	7	.148	6
628-	502	P10	.212	7	27.4	-1.47	1.23	8.56	5.11	-1.45	89.6	89.6	.200	6	.199	8
631-	628	P10	.255	6	18.4	-5.92	3.53	-3.57	-2.58	-1.11	60.0	60.0	.165	7	.091	8
663-	665	P10	.155	6	13.2	-1.87	1.18	-5.56	-1.35	-.25	43.1	43.1	.141	8	.102	7
665-	664	P10	.185	6	.0	2.16	-2.90	6.72	-2.74	-1.03	43.1	43.1	.130	8	.117	7
666-	504	P10	.177	8	27.4	-.33	-5.88	-6.75	-3.76	3.56	89.6	89.6	.164	6	.154	7
666-	661	P10	.358	8	18.4	-10.90	1.16	2.20	-.53	-.39	60.0	60.0	.313	7	.235	6
668-	501	P10	.229	7	27.4	-.86	-8.74	6.24	1.97	4.57	89.6	89.6	.222	6	.214	8
611-	621	P12	.242	6	.0	-2.65	1.32	6.63	-3.38	2.04	112.3	112.3	.228	7	.221	8
621-	625	P12	.371	8	.0	-9.01	1.94	5.82	-4.28	1.80	62.3	62.3	.342	7	.280	6
625-	631	P12	.297	8	22.5	-7.46	4.14	1.95	3.10	-1.93	62.3	62.3	.279	7	.239	6
651-	661	P12	.399	6	40.6	4.38	2.91	15.82	5.72	-1.49	112.3	112.3	.340	7	.227	8
661-	665	P12	.266	6	.0	4.17	1.71	-9.01	.84	1.03	62.3	62.3	.206	7	.130	8
665-	671	P12	.373	7	22.5	4.85	-.73	14.07	6.12	.39	62.3	62.3	.349	6	.321	8
611-	651	P14	.398	8	46.1	-5.36	4.01	6.09	1.35	-2.23	115.9	115.9	.378	7	.307	6
621-	643	P14	.228	8	.0	7.28	1.86	2.64	-1.10	1.91	57.9	57.9	.190	7	.116	6
631-	646	P14	.335	8	23.1	-10.24	-.38	-2.47	-1.09	-.82	57.9	57.9	.300	7	.229	6
641-	681	P14	.223	6	.0	-2.80	-2.66	-4.33	4.41	-.64	115.9	115.9	.190	7	.155	8
643-	661	P14	.279	6	23.1	-1.81	4.04	11.61	2.64	-2.30	57.9	57.9	.218	7	.189	8
623-	624	P16	.094	8	19.3	-.54	.96	4.19	5.23	-1.59	42.2	42.2	.078	6	.045	7
626-	628	P16	.171	8	19.3	-3.80	1.60	3.51	4.90	-1.97	42.2	42.2	.129	6	.126	7
663-	664	P16	.099	8	.0	.41	-.30	4.84	-5.93	.07	42.2	42.2	.074	6	.042	7
666-	668	P16	.122	8	.0	1.90	-.81	4.12	-5.51	-.30	42.2	42.2	.075	6	.075	7

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum	Load	Dist	Axial	Bending	Stress	Shear	Force			Second-Highest	Third-Highest		
JA -JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz	KLY/RV	KLZ/RZ	Unity	Load	Unity	Load
		CK	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips	) -/			Check	Case	Check	Case
641- 671	P18	.346	7	.0	4.61	-.17	-12.69	10.35	.64	118.3	118.3	.346	6	.279	8
623- 626	P21	.086	6	4.1	-.46	.51	4.03	26.12	-2.21	7.3	7.3	.047	7	.012	8
624- 628	P21	.097	8	4.1	-.48	.94	-4.55	-30.48	-3.81	7.3	7.3	.044	7	.022	6
626- 666	P21	.049	8	19.9	.40	.10	-2.12	-2.28	-1.95	35.1	35.1	.046	6	.028	7
628- 668	P21	.078	8	.0	-1.46	1.08	-1.90	1.39	3.06	35.1	35.1	.048	7	.026	6
666- 663	P21	.103	8	.0	.62	.39	-4.77	33.08	.96	7.3	7.3	.039	7	.038	6
668- 664	P21	.085	6	.0	.44	.59	3.99	-24.43	1.90	7.3	7.3	.031	7	.028	8
222- 322	PL3	.375	8	4.8	8.70	9.36	-.13	.58	17.27	42.6	42.6	.343	7	.266	6
232- 332	PL3	.403	7	4.8	8.36	10.15	-4.94	8.67	18.57	42.6	42.6	.393	8	.358	6
242- 342	PL3	.491	6	4.8	-10.47	-.89	-12.75	20.83	1.39	42.8	42.8	.337	8	.249	7
312- 412	PL4	.494	6	47.0	17.41	-4.89	.09	1.64	16.03	38.9	38.9	.443	7	.316	8
322- 422	PL4	.285	8	46.7	8.97	-4.15	.37	.58	13.72	38.7	38.7	.247	7	.152	6
332- 432	PL4	.297	7	46.7	8.64	-4.50	2.62	8.67	15.02	38.7	38.7	.291	8	.240	6
342- 442	PL4	.356	6	47.0	-10.20	.10	5.51	20.83	-3.63	38.9	38.9	.237	8	.123	7
412- 512	PL5	.494	6	.0	17.41	-4.89	.09	-.37	-6.91	34.7	34.7	.443	7	.316	8
422- 522	PL5	.285	8	.0	8.97	-4.15	.37	-1.88	-2.96	34.5	34.5	.247	7	.152	6
432- 532	PL5	.297	7	.0	8.64	-4.50	2.62	-6.53	-3.88	34.5	34.5	.291	8	.240	6
442- 542	PL5	.351	6	.0	-10.20	.10	5.51	-8.32	.33	34.7	34.7	.237	8	.123	7
512- 612	PL6	.438	6	.0	17.53	-1.76	-.06	-.37	-8.94	30.0	30.0	.387	7	.259	8
522- 622	PL6	.261	8	.0	9.09	-2.69	-.36	-1.88	-4.47	29.8	29.8	.213	7	.105	6
532- 632	PL6	.262	8	.0	8.88	-2.95	-.77	-3.71	-5.33	29.8	29.8	.253	7	.179	6
542- 642	PL6	.290	6	.0	-10.07	.41	2.27	-8.32	-2.03	30.0	30.0	.197	8	.067	7
612- 712	PL7	.438	6	.0	17.64	1.59	-.18	4.78	47.46	2.2	2.2	.387	7	.258	8
622- 722	PL7	.239	8	.0	9.20	-.96	-.99	19.92	5.23	2.2	2.2	.192	7	.082	6

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum	Load	Dist	Axial	Bending	Stress	Shear	Force			Second-Highest	Third-Highest			
JA -JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz	KL _V /RV	KL _Z /RZ	Unity	Load			
		CK	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips	) --/			Check	Case			
												Check	Case			
632-	732	PL7	.249	8	.0	8.99	-.93	-2.01	33.11	19.22	2.2	2.2	.246	7	.177	6
642-	742	PL7	.259	6	.0	-9.96	1.42	-.54	-15.28	59.80	2.2	2.2	.170	8	.035	7
652-	752	PL7	.490	8	.0	-19.71	1.71	.63	5.75	49.58	2.2	2.2	.311	7	.094	6
712-	811	PL8	.142	6	3.0	-3.23	-3.56	.65	-8.23	53.49	2.5	2.5	.138	7	.135	8
722-	821	PL8	.220	7	.0	-7.47	2.30	1.05	-.37	110.86	2.5	2.5	.218	6	.215	8
732-	831	PL8	.223	8	3.0	-6.50	-3.57	1.57	-6.83	74.04	2.5	2.5	.196	7	.170	6
742-	841	PL8	.373	7	.0	-9.39	3.10	-7.83	67.67	172.64	2.5	2.5	.365	6	.356	8
752-	851	PL8	.209	7	.0	-3.83	-1.76	6.20	-56.73	40.61	2.5	2.5	.205	8	.198	6
762-	861	PL8	.206	6	3.0	-7.88	-1.21	-.33	-9.19	82.37	2.5	2.5	.205	7	.198	8
772-	871	PL8	.210	8	3.0	-6.53	-3.05	-.93	3.40	49.28	2.5	2.5	.188	7	.165	6
782-	881	PL8	.296	8	3.0	-8.95	-4.74	-.59	19.58	112.59	2.5	2.5	.290	7	.287	6
123-	199	SIM	.424	6	.0	-10.49	-8.28	.79	-.69	-3.47	47.2	47.2	.349	7	.242	8
124-	199	SIM	.224	8	.0	-5.75	-4.15	.71	-.50	-1.45	47.2	47.2	.124	6	.096	7
199-	163	SIM	.223	8	16.8	5.98	4.49	.75	.53	-2.01	47.2	47.2	.147	6	.083	7
199-	164	SIM	.441	6	16.8	11.37	9.55	.68	.64	-5.03	47.2	47.2	.378	7	.260	8
223-	299	SIM	.223	6	.0	8.29	-1.23	-1.17	.95	-.30	47.2	47.2	.180	7	.118	8
224-	299	SIM	.141	8	.0	4.54	-1.71	-.96	.99	.03	47.2	47.2	.102	6	.078	7
299-	263	SIM	.186	8	16.8	-4.60	3.24	-1.01	-1.02	-2.28	47.2	47.2	.110	7	.094	6
299-	264	SIM	.245	6	16.8	-7.89	1.50	-1.28	-1.01	-.79	47.2	47.2	.200	7	.140	8
423-	499	SIM	.211	6	16.8	8.45	-.19	.81	.48	-.26	47.2	47.2	.175	7	.136	8
424-	499	SIM	.146	8	.0	4.87	-1.52	-.94	1.13	-.17	47.2	47.2	.089	6	.084	7
463-	499	SIM	.185	8	.0	-5.22	2.22	.91	-1.12	1.40	47.2	47.2	.102	7	.092	6
499-	464	SIM	.261	6	16.8	-9.09	.61	-.74	-.67	-.66	47.2	47.2	.217	7	.158	8
626-	699	SIM	.196	6	.0	6.68	.40	2.22	-1.55	1.19	38.9	38.9	.176	7	.132	8

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum Combined	Load Case	Dist From End	Axial Stress	Bending Stress	Shear Force					Second-Highest	Third-Highest			
JA -JB	ID	Unity CK	NO.	End(Ft)	/---- (	Y Z	Fy Fz	KLY/RV	KLZ/RZ	Unity Check	Load Case	Unity Check	Load Case			
					----- (	KSI)	---/	--- (Kips) -/								
628-	699	SIM	.168	8	.0	3.81	1.63	-3.96	3.73	1.79	38.9	38.9	.102	7	.059	6
699-	666	SIM	.228	8	13.8	-6.42	.01	-3.77	-3.51	-.79	38.9	38.9	.151	7	.038	6
699-	668	SIM	.242	6	13.8	-8.03	1.18	1.66	1.16	-1.46	38.9	38.9	.209	7	.159	8
811-	1	TL1	.177	6	2.3	-3.80	2.89	-3.76	11.28	-.37	3.9	3.9	.172	7	.166	8
821-	2	TL1	.259	6	4.5	-9.50	2.03	-.61	-1.63	.20	3.9	3.9	.240	7	.223	8
831-	3	TL1	.269	8	2.3	-7.64	4.59	-1.95	6.83	12.80	3.9	3.9	.237	7	.208	6
841-	4	TL1	.411	6	2.3	-11.44	-1.65	7.72	-55.21	-29.56	3.9	3.9	.391	7	.354	8
1-	9	TL2	.173	6	.0	-3.79	2.88	-3.42	12.59	.95	13.9	13.9	.170	7	.165	8
2-	10	TL2	.260	6	.0	-9.50	2.03	-.61	-1.63	.20	13.9	13.9	.241	7	.222	8
3-	11	TL2	.261	8	.0	-7.63	4.19	-1.75	6.83	15.02	13.9	13.9	.232	7	.207	6
4-	13	TL2	.380	6	.0	-11.43	-.82	6.15	-53.73	-28.08	13.9	13.9	.360	7	.329	8
9-	18	TL3	.128	8	7.1	-3.37	2.15	1.54	16.82	5.37	7.0	7.0	.116	7	.100	6
18-	73	TL3	.095	8	.0	-2.59	1.56	.97	-7.42	11.01	7.8	7.8	.092	7	.087	6
73-	81	TL2	.091	8	.0	-3.18	.78	.43	-7.42	11.01	5.8	5.8	.088	7	.084	6
10-	19	TL3	.192	6	7.1	-7.59	-.13	.87	11.21	13.05	7.0	7.0	.185	7	.173	8
19-	74	TL3	.096	8	.0	-3.28	.71	.71	-5.04	9.76	7.8	7.8	.091	6	.091	7
74-	83	TL2	.120	6	6.0	-4.17	-.83	.89	3.88	4.95	5.8	5.8	.115	7	.110	8
11-	20	TL3	.189	8	7.1	-6.09	-2.49	.11	6.83	33.86	7.0	7.0	.158	7	.136	6
20-	75	TL3	.093	8	.0	-2.68	-1.61	.00	-1.88	-8.75	7.8	7.8	.079	7	.067	6
75-	84	TL2	.097	8	.0	-3.30	-1.07	-.19	-1.88	-8.75	5.8	5.8	.089	7	.084	6
13-	21	TL3	.342	6	7.1	-9.15	4.22	-5.64	-44.69	-19.04	7.0	7.0	.337	7	.312	8
21-	76	TL3	.272	7	.0	-7.66	3.98	-3.23	28.43	25.49	7.8	7.8	.267	6	.263	8
76-	85	TL2	.265	7	.0	-9.48	2.26	-1.04	28.43	25.49	5.8	5.8	.262	8	.261	6
851-	5	TL1	.229	8	2.3	-4.77	-6.35	-.21	-1.19	-56.87	3.9	3.9	.225	7	.209	6

*** Member Group Summary Report ***

Group III - Unity Checks Greater Than .00 And Less Than .50

Member	Group	Maximum	Load	Dist	Axial	Bending	Stress	Shear	Force			Second-Highest	Third-Highest		
JA-JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz	KLY/RV	KLZ/RZ	Unity	Load		
		CK	NO.	End(Ft)	/---- (	KSII	) ---/	/-- (Kips)	-/			Check	Case		
					/---- (	KSII	) ---/	/-- (Kips)	-/			Check	Case		
861-	6	.235	6	2.3	-9.25	-1.12	-.23	-7.35	-17.81	3.9	3.9	.208	7	.199	8
871-	7	.240	8	2.3	-7.65	-3.22	-1.02	3.40	-32.70	3.9	3.9	.212	7	.189	6
881-	8	.338	8	2.3	-10.52	-3.75	3.44	-22.23	-47.42	3.9	3.9	.332	7	.331	6
5-	14	.202	8	.0	-4.77	-4.74	-.25	-1.19	-54.73	13.9	13.9	.197	7	.184	6
6-	15	.242	6	14.4	-9.19	1.34	-.46	5.67	-4.80	13.9	13.9	.226	7	.206	8
7-	16	.223	8	.0	-7.64	-2.31	-.92	3.40	-30.56	13.9	13.9	.197	7	.179	6
8-	17	.338	7	14.4	-10.74	4.59	-1.48	-22.10	-30.52	13.9	13.9	.334	6	.330	8
14-	23	.205	8	7.1	-3.78	6.29	-.47	-1.19	-40.59	7.0	7.0	.195	7	.172	6
23-	77	.149	8	.0	-2.62	4.68	-.55	4.39	31.17	7.8	7.8	.141	7	.125	6
77-	86	.122	8	.0	-3.21	2.53	-.22	4.39	31.17	5.8	5.8	.118	7	.110	6
15-	24	.196	6	7.1	-7.38	1.36	.14	7.07	-3.39	7.0	7.0	.180	7	.168	8
24-	78	.103	6	.0	-3.39	1.23	-.16	5.46	7.46	7.8	7.8	.092	7	.085	8
78-	87	.113	6	.0	-4.18	.73	.37	5.46	7.46	5.8	5.8	.106	7	.101	8
16-	25	.195	8	7.1	-6.09	2.83	.01	3.40	-16.42	7.0	7.0	.182	7	.163	6
25-	79	.093	8	.0	-2.50	1.82	.21	-4.37	10.94	7.8	7.8	.088	7	.081	6
79-	88	.093	8	.0	-3.07	1.11	-.19	-4.37	10.94	5.8	5.8	.091	7	.088	6
17-	26	.323	7	7.1	-8.63	6.02	-2.86	-22.10	-30.52	7.0	7.0	.318	6	.317	8
26-	80	.274	7	.0	-7.69	4.91	-1.70	16.35	34.21	7.8	7.8	.271	8	.268	6
80-	89	.267	7	.0	-9.51	2.50	-.40	16.35	34.21	5.8	5.8	.264	8	.264	6
83-	140	.012	6	.0	.25	.33	-.03	-2.80	8.76	2.3	2.3	.008	7	.007	8
87-	147	.035	6	.0	.26	-.89	-.13	1.57	-27.35	2.3	2.3	.030	7	.020	8
84-	149	.015	8	.0	.18	.59	-.04	-.39	2.85	2.3	2.3	.012	7	.009	6
88-	150	.026	6	.0	.15	-.15	-.06	1.54	13.82	2.3	2.3	.017	8	.015	7

* * * Global Equilibrium Check * * *

Load Case	Total Force(X) (Kips)	Total Force(Y) (Kips)	Total Force(Z) (Kips)	Total Moment(X) (In-Kips)	Total Moment(Y) (In-Kips)	Total Moment(Z) (In-Kips)
6-Loads	2908.329	2863.553	-8234.206	2179708.000	-1479528.000	138509.000
Reactions	-2908.320	-2863.475	8243.116	-2179442.000	1479464.000	-138496.200
Difference	.010	.078	8.910	266.500	-64.625	12.875
7-Loads	1588.247	3785.662	-8238.362	2877273.000	-303879.400	124308.300
Reactions	-1588.426	-3785.517	8247.299	-2876800.000	304398.900	-124144.500
Difference	-.180	.145	8.937	473.000	519.563	163.859
8-Loads	57.520	4072.240	-8251.754	3129719.000	989207.800	81432.510
Reactions	-57.464	-4072.177	8260.664	-3129526.000	-989375.800	-81433.830
Difference	.056	.063	8.910	193.000	-167.938	-1.320
Max. Difference	-.180	.145	8.937	473.000	519.563	163.859
Load Case No.	7	7	7	7	7	7

Friday 7/22/94 15:14:13

Input File Name:\STRUCAD\WD103US\WD103US
Output File Name:\STRUCAD\WD103US\WD103US.OT3

Time For PREP Module	=	0: 3:58
Time For LOAD Module	=	0:29: 2
Time For SOLVE Module	=	1:10:46
Time For STRESS Module	=	0: 9:29

Total Processing Time	=	1:53:16

*** Equation Parameters ***

Total Number Of Equations 1896
Number Of Stiffness Blocks ... 40
Number Of Load Blocks 1

*** Problem Description ***

Number Of Joints 316
Number Of Beams (Steel) 672
Number Of Piles 9
Number Of Plates 16
No. Of Basic Load Cases 5
No. Of Combined Load Cases 3



8.2.4 WD103US.OT4

Tubular Can Analysis pp. 1 - 3
Actual Member & Punching Allowable Stresses
for Members with U.C. > 1
..... pp. 5, 9, 13, 14, 18, 28, 38, 39, 60, 61
Joint Can Summary pp. 84 - 87
End Page p. 88

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*****
*          STRUCAD*3D          *
*  STRUCTURAL SOFTWARE INC.  *
*      HOUSTON TEXAS        *
*  VERSION 3.50-E JAN 1994   *
*****

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Friday 7/22/94 15:14:17

*** Tubular Joint Can Analysis ***

```

Selected Code          =
Type Of Analysis      = Punching Shear
Minimum Gap Allowed (In) = -100.00
Maximum Gap Allowed (In) = 1000.00
Brace Stresses at Member End Used for Analysis

```

Local Coordinate System Convention:

```

Chord: X Axis - Positive From Common Joint To Chord Joint
       Y Axis - Positive towards Brace Joint
       Z Axis - Defined By Right Hand Rule

```

```

Brace: X Axis - Positive From Common Joint To Brace Joint
       Z Axis - Same as Chord Z Axis
       Y Axis - Defined By Right Hand Rule

```

```

In Plane      Force Fy      Moment Mz
Out of Plane  Force Fz      Moment My

```

* * * Units Definition * * *

* Description *	* Input Units *	* Output Units *
A. Joint Information		
1. Joint Coordinates	Ft	Ft
2. Joint Settlements	In	In
Joint Translations		
B. Structure Description		
3. All Lengths, Heights & Depths .. Joint Thickness, Area Centroids	Ft	Ft
4. Projected Areas	Ft ²	Ft ²
5. Volumes	Ft ³	Ft ³
C. Element Properties		
6. Element Offsets	In	In
7. Element Dimensions	In	In
Rebar Area and Spacing		
Marine Growth Thickness		
8. Element Cross Section Areas	In ²	In ²
9. Element Moment of Inertia	In ⁴	In ⁴
D. Material Properties & Stresses		
10. Steel E & G Modulus	1000KSI	1000KSI
11. All Stresses	KSI	KSI
Steel And Concrete Strength		
12. Material Density	PCF	PCF
E. Spring Constants		
13. Rotational Spring Constant	In-Kips/Rad	In-Kips/Rad
14. Translational Spring Constant ..	Kips/In	Kips/In
F. Load Data		
15. Concentrated Loads & Weights ...	Kips	Kips
16. Uniform Loads & Weights	Kips/Ft	Kips/Ft
17. Concentrated Moments	In-Kips	In-Kips
18. Uniform Moments	In-Kips/Ft	In-Kips/Ft
19. Weight Moment of Inertia	Kips-Ft ²	Kips-Ft ²
20. Load Distances	Ft	Ft
21. Pressures	PSF	PSF
22. Wind & Current Velocity	Knots	Knots
23. Wave Velocity	Ft/Sec	Ft/Sec
24. Wave Acceleration	Ft/Sec ²	Ft/Sec ²
25. Kinematic Viscosity	Ft ² /Sec	Ft ² /Sec
26. Response Curve Acceleration	G's	G's
27. Response Curve Velocities	In/Sec	In/Sec
28. Response Curve Displacements ...	In	In
G. Soil Data And Pile Forces		
29. Soil Friction, Soil Force	Kips/In	Kips/In
30. Soil Moments	In-Kips/In	In-Kips/In
31. Undrained Shear Strength	KSF	KSF

*** List Of Input Data ***

	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
Line	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...5...	0

1	LDCASE	6	7	8			
2	AMOD	6	1.75	7	1.75	8	1.75
3	END						

Common Chord Brace			Chord		Comp.		Gap		Brace		Chord		Actual Stresses			Punching Shear			Unity
Joint	Joint	Joint	O.D.	WT	Fy	Alpha	O.D.	WT	Angle	Case	Fa+Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Check	
(In)	(In)	(In)	(In)	(In)	(KSI)	()	(In)	(In)	(In)	(Deg)	()	()	()	()	(KSI)	()	()	()	
111	211	115	46.00	1.000	36.0	1.0	-20.32	20.00	.812	84.32	6	10.56	-3.30	.63	-.07	8.00	13.04	23.05	.359
											7	6.24	-2.07	.29	-.05	5.47	13.20	23.68	.317
											8	1.43	-.46	-.04	.15	5.52	13.28	24.00	.070
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.286																			
111	211	145	46.00	1.000	36.0	1.0		24.00	.687	84.32	6	10.56	6.42	-1.16	-3.99	8.00	11.89	21.92	.639
											7	6.24	8.50	-2.64	-5.80	6.71	12.04	22.52	1.015
											8	1.43	8.99	-3.71	-6.79	6.77	12.11	22.83	1.096
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																			
111	211	115																	
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.286																			
121	101	231	46.00	1.000	36.0	1.0	-19.68	26.00	.500	36.68	6	11.91	26.80	3.57	3.84	7.93	11.38	21.22	1.078
							1.0	-19.68			7	6.66	14.89	3.67	1.77	8.13	11.58	22.03	.609
							1.0	-19.68			8	1.70	.87	3.34	-.82	8.21	11.66	22.36	.086
Member Unity Check Based On 50% Of The Brace Effective Strength = .503																			
121	101	123	46.00	1.000	36.0	1.0		16.00	.500	84.69	6	11.91	-4.95	2.99	9.42	7.93	14.68	24.43	.450
							1.0				7	6.66	-1.84	2.15	8.48	8.13	14.93	25.20	.229
							2.4				8	1.70	1.19	1.07	6.22	7.64	15.04	25.20	.159
Member Unity Check Based On 50% Of The Brace Effective Strength = .748																			
121	101	115	46.00	1.000	36.0	2.4		20.00	.812	90.00	6	11.91	-3.30	-.61	.92	5.33	12.96	22.76	.535
							2.4				7	6.66	-2.07	-1.76	.82	5.46	13.19	23.63	.379
							2.4				8	1.70	-.46	-2.54	.61	5.52	13.28	23.98	.167
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																			
121	101	125	46.00	1.000	36.0	1.7	-19.68	20.00	.812	90.00	6	11.91	-8.34	1.65	-1.01	7.06	12.96	22.76	1.030
							2.4				7	6.66	-5.10	1.86	.06	5.49	13.19	23.63	.828
							2.4				8	1.70	-.98	1.84	1.21	5.52	13.28	23.98	.221
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																			

Common Chord Brace			Chord				Comp. Gap				Brace				Chord				Actual Stresses			Punching Shear			Unity
Joint	Joint	Joint	O.D.	WT	Fy	Alpha	O.D.	WT	Angle	Case	Fa+Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Check				
(In)	(In)	(In)	(In)	(In)	(KSI)	(Deg)	(In)	(In)	(In)	(Deg)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)					
131	102	125	46.00	1.000	36.0	2.2	20.00	.812	90.00	6	9.59	-7.10	-1.31	5.40	5.82	13.05	23.10	1.122							
						2.4				7	6.01	-4.52	-2.49	4.50	5.46	13.19	23.63	.812							
						2.4				8	1.93	-1.10	-3.00	2.82	5.51	13.27	23.96	.295							
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																									
131	102	135	46.00	1.000	36.0	2.1	20.00	.812	90.00	6	9.59	-7.94	1.79	-3.58	6.11	13.05	23.10	1.163							
						2.4				7	6.01	-4.66	1.97	-2.18	5.46	13.19	23.63	.784							
						2.4				8	1.93	-.30	1.70	-.29	5.51	13.27	23.96	.111							
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																									
131	102	146	46.00	1.000	36.0	2.4	24.00	.687	84.29	6	9.59	3.95	.84	-3.86	6.60	11.90	21.97	.491							
						2.2				7	6.01	7.11	-.16	-6.09	6.70	12.02	22.47	.845							
						1.9				8	1.93	9.06	-1.17	-7.36	6.76	12.10	22.79	1.064							
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																									
131	102	148	46.00	1.000	36.0	1.0	24.00	.500	86.65	6	9.59	.79	-.65	-6.67	8.01	11.90	21.97	.148							
						1.0				7	6.01	.64	.11	-6.44	8.13	12.02	22.47	.131							
						2.4				8	1.93	.00	1.54	-5.63	5.17	12.10	22.79	.089							
Member Unity Check Based On 50% Of The Brace Effective Strength = .827																									
131	102	125	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.292																						
141	241	135	46.00	1.000	36.0	2.3	20.00	.812	84.32	6	1.35	-7.94	1.66	4.88	5.81	13.28	23.99	1.229							
						2.4				7	1.57	-4.66	.30	2.74	5.52	13.28	23.98	.742							
						2.4				8	1.76	-.30	-.81	.21	5.52	13.28	23.98	.076							
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.286																									
141	241	148	46.00	1.000	36.0	2.4	24.00	.687	84.32	6	1.35	6.34	3.74	-5.64	6.77	12.11	22.82	.815							
						2.1				7	1.57	8.65	3.54	-7.14	6.77	12.11	22.81	1.063							
						1.7				8	1.76	9.64	2.74	-7.55	6.76	12.11	22.81	1.150							
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																									

Common Chord Brace			Chord				Comp. Gap				Brace				Chord				Actual Stresses			Punching Shear			Unity
Joint	Joint	Joint	O.D.	WT	Fy	Alpha	O.D.	WT	Angle	Case	Fa+Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Check				
(In)	(In)	(In)	(In)	(In)	(KSI)	(In)	(In)	(In)	(Deg)		(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)					
Maximum Unity Check Based On 50% Of The Brace Effective Strength =																						.823			
151	251	159	46.00	1.000	36.0	2.2	20.00	.812	84.32	6	1.08	7.86	-1.61	-4.07	7.12	13.28	24.00	1.000							
						2.4				7	1.15	3.72	-.28	-1.84	7.12	13.28	24.00	.464							
						1.0				8	1.30	-.41	.68	.55	8.21	13.28	24.00	.069							
Member Unity Check Based On 50% Of The Brace Effective Strength =																						1.286			
151	251	145	46.00	1.000	36.0	2.4	24.00	.687	84.32	6	1.08	-5.69	-3.98	3.67	5.17	12.11	22.83	.913							
						2.1				7	1.15	-7.13	-3.73	5.07	5.96	12.11	22.83	.986							
						1.7				8	1.30	-7.32	-2.70	5.50	6.77	12.11	22.83	.883							
Member Unity Check Based On 50% Of The Brace Effective Strength =																						1.133			
Maximum Unity Check Based On 50% Of The Brace Effective Strength =																						1.286			
155	121	221	24.00	.687	36.0	1.3	-12.58	24.00	.375	55.32	6	11.62	-23.41	-3.15	5.71	17.52	22.03	25.20	.677						
						1.3	-12.58			7	11.20	-30.11	-1.58	7.46	17.19	22.03	25.20	.873							
						1.3	-12.58			8	10.44	-31.95	.10	8.41	16.97	22.03	25.20	.941							
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.627			
155	161	261	24.00	.687	36.0	1.3	-12.58	24.00	.375	55.32	6	7.18	23.34	3.62	-1.71	16.79	21.88	25.20	.675						
						1.3	-12.58			7	9.55	30.01	1.86	-3.12	16.92	21.75	25.20	.839							
						1.3	-12.58			8	11.03	31.82	.01	-3.76	16.97	21.63	25.20	.884							
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.627			
155	121	123	24.00	.687	36.0	2.4	8.63	.500	43.15	6	11.62	6.10	-8.91	-.86	9.96	19.44	25.20	.452							
						2.4				7	11.20	9.12	-10.76	-1.02	9.96	19.44	25.20	.634							
						2.4				8	10.44	10.70	-10.86	-1.12	9.96	19.44	25.20	.714							
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.573			
155	121	143	24.00	.687	36.0	1.8	8.63	.500	90.00	6	11.62	-.90	-3.07	-2.32	9.68	19.44	25.20	.153							
						1.6	2.18			7	11.20	-.47	-2.36	-3.20	10.66	19.44	25.20	.114							
						2.4				8	10.44	.01	-1.14	-3.65	9.96	19.44	25.20	.073							
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.838			

Common Chord Brace			Chord				Comp.				Gap			Brace			Chord				Actual Stresses			Punching Shear			Unity
Joint	Joint	Joint	O.D.	WT	Fy	Alpha	O.D.	WT	Angle	Case	Fa	Fb	Fa	Out-P1	In-P1	Fa	Out-P1	In-P1	Allowable	Unity	Check						
(In)	(In)	(In)	(KSI)	(In)	(In)	(In)	(In)	(In)	(Deg)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)						
155	161	143	24.00	.687	36.0	1.8		8.63	.500	90.00	6	7.18	-.90	3.07	2.32	9.59	19.31	25.20			.154						
						1.6	2.18				7	9.55	-.47	2.36	3.20	10.47	19.20	25.20			.115						
						2.4					8	11.03	.01	1.14	3.65	9.70	19.09	25.20			.074						
Member Unity Check Based On 50% Of The Brace Effective Strength = .838																											
155	161	163	24.00	.687	36.0	2.4		8.63	.500	43.15	6	7.18	-6.57	-4.93	.30	7.78	19.31	25.20			.502						
						2.4					7	9.55	-9.26	-7.73	.88	7.71	19.20	25.20			.726						
						2.4					8	11.03	-10.67	-9.35	1.13	7.65	19.09	25.20			.852						
Member Unity Check Based On 50% Of The Brace Effective Strength = .573																											
155	121	143	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .838																								
161	103	251	46.00	1.000	36.0	1.0	-19.39	26.00	.375	44.23	6	8.03	-19.30	-5.76	-3.86	8.08	11.53	21.85			.713						
						1.0	-19.39				7	3.98	-7.88	-6.67	-2.85	8.18	11.63	22.26			.350						
						2.4					8	.65	4.37	-6.31	-1.61	6.64	11.66	22.39			.264						
Member Unity Check Based On 50% Of The Brace Effective Strength = .441																											
161	103	163	46.00	1.000	36.0	2.4		16.00	.500	84.69	6	8.03	-5.48	-.14	-.87	5.95	14.88	25.14			.470						
						2.4					7	3.98	-2.75	.86	-3.54	6.02	15.00	25.20			.275						
						1.0					8	.65	.59	1.81	-5.65	8.22	15.05	25.20			.117						
Member Unity Check Based On 50% Of The Brace Effective Strength = .748																											
161	103	159	46.00	1.000	36.0	2.3		20.00	.812	90.00	6	8.03	7.86	-1.60	4.82	7.01	13.14	23.43			1.035						
						2.4					7	3.98	3.72	-1.78	3.34	7.09	13.25	23.87			.527						
						1.0	-19.39				8	.65	-.41	-1.53	1.54	8.22	13.29	24.01			.109						
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																											
161	103	165	46.00	1.000	36.0	2.3		20.00	.812	90.00	6	8.03	7.72	1.10	-5.52	7.01	13.14	23.43			1.025						
						2.4					7	3.98	4.39	2.09	-4.74	7.09	13.25	23.87			.635						
						2.4					8	.65	.79	2.55	-3.35	7.12	13.29	24.01			.214						
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																											

Common Chord Brace			Chord				Comp. Gap				Brace				Actual Stresses				Punching Shear			Unity
Joint	Joint	Joint	O.D.	WT	Fy	Alpha	Gap	O.D.	WT	Angle	Case	Fa+Fb	Fa	Out-PI	In-PI	Fa	Out-PI	In-PI	Check			
(In)	(In)	(In)	(In)	(In)	(KSI)	(Deg)	(In)	(In)	(In)	(Deg)		(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)				
171	104	165	46.00	1.000	36.0	1.9		20.00	.812	90.00	6	11.00	9.21	-2.05	1.70	6.91	13.02	22.96	1.172			
						2.4					7	5.33	5.19	-2.10	.65	7.12	13.29	24.02	.675			
						2.4					8	1.07	.72	-1.94	-.37	7.12	13.29	24.00	.158			
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																						
171	104	175	46.00	1.000	36.0	2.4		20.00	.812	90.00	6	11.00	6.09	.47	-.82	6.91	13.02	22.96	.742			
						2.4					7	5.33	3.73	1.44	-.68	7.12	13.29	24.02	.484			
						2.4					8	1.07	1.03	2.09	-.38	7.12	13.29	24.00	.199			
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																						
171	104	146	46.00	1.000	36.0	1.9		24.00	.687	84.29	6	11.00	-8.52	-2.49	4.03	6.07	11.87	21.84	1.082			
						1.9					7	5.33	-8.59	-1.78	5.85	6.31	12.12	22.85	1.060			
						1.9					8	1.07	-7.43	-.65	6.70	6.27	12.11	22.83	.940			
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																						
171	104	148	46.00	1.000	36.0	1.0		24.00	.500	86.65	6	11.00	-.24	3.29	-2.49	7.98	11.87	21.84	.110			
						1.0					7	5.33	-.33	3.14	-1.22	8.22	12.12	22.85	.105			
						2.4					8	1.07	.02	2.07	-.24	6.77	12.11	22.83	.056			
Member Unity Check Based On 50% Of The Brace Effective Strength = .827																						
171	104	165	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.292																			
181	281	271	46.00	1.000	36.0	1.1	-20.32	26.00	.500	41.34	6	9.18	-21.84	-4.36	-5.06	21.17	11.67	22.39	.433			
						1.0	-20.32				7	5.10	-12.02	-4.88	-3.80	8.22	11.67	22.39	.578			
						1.0	-20.32				8	.95	-.77	-4.95	-2.06	8.22	11.66	22.39	.123			
Member Unity Check Based On 50% Of The Brace Effective Strength = .556																						
181	281	175	46.00	1.000	36.0	1.2	-20.32	20.00	.812	84.32	6	9.18	6.09	-.47	1.83	21.14	13.29	24.02	.276			
						2.0					7	5.10	3.73	-.17	1.72	7.12	13.29	24.02	.461			
						2.4					8	.95	1.03	.06	1.42	7.12	13.29	24.01	.147			
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.286																						

Common Chord Brace			Chord				Comp. Gap				Brace			Actual Stresses				Punching Shear			Unit
Joint	Joint	Joint	O.D.	WT	Fy	Alpha	O.D.	WT	Angle	Case	Fa-Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Check			
(In)	(In)	(In)	(In)	(In)	(KSI)	(Deg)	(In)	(In)	(In)	(Deg)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)				
241	341	331	46.00	1.000	36.0	1.0 -17.22	24.00	.375	41.45	6	5.65	-14.80	-.43	-6.23	8.10	12.00	22.36	.498			
						1.0 -17.22				7	9.66	-7.66	-4.48	-4.21	8.03	11.92	22.05	.304			
						2.4				8	13.07	.80	-7.04	-1.57	6.48	11.76	21.39	.126			
Member Unity Check Based On 50% Of The Brace Effective Strength = .412																					
241	141	131	46.00	1.000	36.0	1.7 -17.22	26.00	.375	49.91	6	3.74	21.90	-3.88	.71	6.68	11.61	22.18	1.002			
						2.2				7	3.83	10.73	-1.20	1.19	6.59	11.61	22.17	.488			
						1.0 -17.22				8	4.30	-1.97	.95	2.25	8.15	11.60	22.13	.093			
Member Unity Check Based On 50% Of The Brace Effective Strength = .483																					
241	341	381	46.00	1.000	36.0	1.0 -17.21	26.00	.500	49.25	6	5.65	11.90	-1.77	-1.05	8.10	11.55	21.92	.595			
						1.0 -17.21				7	9.66	14.78	1.01	-4.47	8.03	11.48	21.62	.719			
						1.0 -17.21				8	13.07	15.20	3.12	.00	7.87	11.32	20.97	.798			
Member Unity Check Based On 50% Of The Brace Effective Strength = .638																					
241	341	271	46.00	1.000	36.0	2.4	24.00	.375	82.06	6	5.65	-1.33	-7.90	-6.74	5.10	12.00	22.36	.270			
						1.0				7	9.66	.24	-6.07	-6.48	8.03	11.92	22.05	.151			
						1.0				8	13.07	1.88	-2.74	-6.25	7.87	11.76	21.39	.178			
Member Unity Check Based On 50% Of The Brace Effective Strength = .616																					
241	341	281	46.00	1.000	36.0	2.4	24.00	.375	84.32	6	5.65	-5.98	-.01	-4.36	5.10	12.00	22.36	.484			
						1.9				7	9.66	-8.10	2.30	-4.41	6.08	11.92	22.05	.563			
						1.6 -19.02				8	13.07	-8.85	2.91	-4.42	9.13	11.76	21.39	.438			
Member Unity Check Based On 50% Of The Brace Effective Strength = .619																					
241	341	381																			
Maximum Unity Check Based On 50% Of The Brace Effective Strength = .638																					
243	223	254	20.00	.812	36.0	1.7	8.63	.322	90.00	6	3.94	.61	4.98	-.39	13.30	24.88	25.20	.069			
						1.7				7	3.38	.53	5.46	-.58	13.31	24.89	25.20	.072			
						1.7				8	2.31	.37	5.43	-.64	13.32	24.91	25.20	.067			
Member Unity Check Based On 50% Of The Brace Effective Strength = .337																					

Common Chord Brace			Chord				Brace				Actual Stresses			Punching Shear			Unity		
Joint	Joint	Joint	O.D.	WT	Fy	Alpha	Gap	O.D.	WT	Angle	Case	Fa+Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Check
(In)	(In)	(In)	(In)	(In)	(KSI)	()	(In)	(In)	(In)	(Deg)		(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	
			Maximum Unity Check Based On 50% Of The Brace Effective Strength = .771																
299	223	224	12.75	.687	36.0	1.3		12.75	.687	69.63	6	9.66	-1.90	1.07	-2.15	14.71	25.20	25.20	.178
						1.1					7	7.41	1.47	1.10	-1.64	14.71	25.20	25.20	.141
						1.2					8	4.71	4.54	1.02	-.91	14.71	25.20	25.20	.322
			Member Unity Check Based On 50% Of The Brace Effective Strength = .696																
299	264	263	12.75	.687	36.0	1.1		12.75	.687	69.63	6	9.26	1.48	1.41	2.10	14.53	25.20	25.20	.155
						1.3					7	7.35	-1.76	1.93	1.63	14.58	25.20	25.20	.173
						1.2					8	5.32	-4.60	2.21	.93	14.65	25.20	25.20	.351
			Member Unity Check Based On 50% Of The Brace Effective Strength = .696																
299	223	224	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .696																
301	421	321	24.00	.500	36.0	1.4	-15.05	24.00	.375	68.45	6	17.47	.71	-1.68	-.83	13.41	14.87	16.23	.092
						1.3	-15.05				7	19.63	1.11	-1.07	-.90	13.25	14.22	14.54	.102
						1.3	-15.05				8	20.62	1.37	-.36	-.89	13.13	14.02	14.05	.103
			Member Unity Check Based On 50% Of The Brace Effective Strength = 1.339																
301	361	343	24.00	.500	36.0	2.0		24.00	.500	59.68	6	22.81	.24	-.42	2.01	4.89	14.45	15.15	.117
						1.8					7	23.86	.43	-.28	2.35	4.58	13.85	13.61	.177
						1.8					8	23.96	.56	-.11	2.27	4.47	13.63	13.03	.204
			Member Unity Check Based On 50% Of The Brace Effective Strength = 1.657																
301	421	302	24.00	.500	36.0	1.1	-10.79	24.00	.500	36.03	6	17.47	-.93	-3.91	.88	16.28	14.87	16.23	.134
						1.2	-10.79				7	19.63	-1.63	-1.77	1.10	14.46	14.22	14.54	.121
						1.2	-10.79				8	20.62	-2.06	.02	1.14	14.00	14.02	14.05	.117
			Member Unity Check Based On 50% Of The Brace Effective Strength = 1.129																
301	361	343	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.657																
302	421	301	46.00	.500	36.0	1.7		24.00	.500	84.29	6	18.96	-.93	-2.11	-2.39	2.60	5.07	7.44	.705
						1.7					7	20.02	-1.63	-.02	-3.02	2.55	5.01	7.18	.911
						1.7					8	18.47	-2.06	1.18	-3.20	2.74	5.24	8.13	1.047
			Member Unity Check Based On 50% Of The Brace Effective Strength = 3.299																

Common Joint	Chord Joint	Brace Joint	Chord			Comp.			Gap			Brace			Chord Load			Actual Stresses			Punching Shear			Unity Check
			O.D. (In)	WT (In)	Fy (KSI)	Alpha ()	O.D. (In)	WT (In)	Angle (In)	Case (Deg)	Fa+Fb	Fa	Out-PI	In-PI	Fa	Out-PI	In-PI	Fa	Out-PI	In-PI				
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 3.299																								
303	431	304	46.00	.500	36.0	1.7		24.00	.500	84.29	6	17.49	1.57	-3.70	-3.03	2.86	5.39	8.74	1.100					
						1.7					7	22.80	1.90	-1.68	-3.74	2.45	4.89	6.71	1.222					
						1.7					8	24.36	1.91	-.29	-3.94	2.30	4.69	5.91	1.290					
Member Unity Check Based On 50% Of The Brace Effective Strength = 3.299																								
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 3.299																								
304	331	346	24.00	.500	36.0	2.4		20.00	.500	76.98	6	19.35	-.47	-2.31	-5.85	5.10	11.20	19.79	.319					
						2.4					7	21.95	-.63	-.90	-8.08	5.10	11.20	19.79	.387					
						2.4					8	21.78	-.70	.25	-8.85	5.10	11.20	19.79	.421					
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.827																								
304	331	431	24.00	.500	36.0	1.6	-19.14	24.00	.375	76.44	6	19.35	-1.89	.44	.29	9.14	16.03	19.21	.166					
						1.6	-19.14				7	21.95	-2.36	-.41	.16	8.51	16.03	19.21	.214					
						1.6	-19.14				8	21.78	-2.45	-.88	.14	7.85	16.03	19.21	.253					
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.400																								
304	331	303	24.00	.500	36.0	1.0	-19.14	24.00	.500	36.03	6	19.35	1.57	3.65	-1.37	7.87	16.03	19.21	.207					
						1.0	-19.14				7	21.95	1.90	1.55	-1.83	7.87	16.03	19.21	.193					
						1.0	-19.14				8	21.78	1.91	-.17	-1.95	7.87	16.03	19.21	.181					
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.129																								
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.827																								
311	411	421	46.00	1.000	36.0	1.0	-12.90	20.00	.500	41.60	6	20.19	10.74	8.50	5.40	7.26	12.20	19.80	.651					
						1.0	-12.90				7	17.38	5.50	8.74	3.32	7.48	12.46	20.80	.998					
						2.4					8	12.18	-.72	7.91	.12	5.28	12.88	22.42	.176					
Member Unity Check Based On 50% Of The Brace Effective Strength = .528																								
311	211	221	46.00	1.000	36.0	1.1	-12.90	24.00	.375	50.05	6	9.71	-15.94	-6.40	3.98	17.26	11.86	21.82	.370					
						1.0	-12.90				7	9.81	-9.34	-5.48	3.74	8.01	11.90	21.96	.426					
						1.0	-12.90				8	8.41	-1.14	-3.71	2.80	8.08	11.97	22.26	.102					
Member Unity Check Based On 50% Of The Brace Effective Strength = .477																								

Common Chord Brace			Chord				Comp. Gap				Brace				Chord				Actual Stresses			Punching Shear			Unity
Joint	Joint	Joint	O.D.	WT	Fy	Alpha	Gap	O.D.	WT	Angle	Case	Fa+Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Check			
(In)	(In)	(In)	(In)	(In)	(KSI)	(In)	(In)	(In)	(In)	(Deg)		(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)				
Maximum Unity Check Based On 50% Of The Brace Effective Strength =																						.771			
481	581	471	46.00	1.000	36.0	1.4	14.00	.375	84.32	6	17.65	-2.11	-12.39	-.84	8.02	16.30	25.20	8.02	16.30	25.20	.282				
						1.6				7	15.91	-1.94	-11.77	-1.70	8.02	16.30	25.20	8.02	16.30	25.20	.265				
						1.9				8	11.82	-1.55	-9.22	-2.01	7.58	16.30	25.20	7.58	16.30	25.20	.213				
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.539			
481	581	441	46.00	1.000	36.0	1.0	18.00	.500	84.32	6	17.65	-.45	3.72	-.44	8.22	14.07	24.80	8.22	14.07	24.80	.111				
						1.0				7	15.91	-.13	3.09	1.40	8.22	14.07	24.80	8.22	14.07	24.80	.080				
						2.4				8	11.82	.25	3.80	2.59	7.36	14.07	24.80	7.36	14.07	24.80	.109				
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.771			
481	581	441	Maximum Unity Check Based On 50% Of The Brace Effective Strength =																			.771			
499	423	424	12.75	.687	36.0	1.2	12.75	.687	69.63	6	9.29	-1.49	.55	-1.27	14.71	25.20	25.20	14.71	25.20	25.20	.128				
						1.2				7	7.63	1.81	.45	-.95	14.71	25.20	25.20	14.71	25.20	25.20	.140				
						1.2				8	5.87	4.87	.26	-.43	14.71	25.20	25.20	14.71	25.20	25.20	.322				
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.696			
499	464	463	12.75	.687	36.0	1.3	12.75	.687	69.63	6	10.01	1.69	.74	1.25	14.47	25.20	25.20	14.47	25.20	25.20	.144				
						1.3				7	7.93	-1.92	.96	.93	14.54	25.20	25.20	14.54	25.20	25.20	.155				
						1.3				8	5.78	-5.22	1.04	.40	14.63	25.20	25.20	14.63	25.20	25.20	.361				
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.696			
499	423	424	Maximum Unity Check Based On 50% Of The Brace Effective Strength =																			.696			
501	671	668	46.00	.500	36.0	1.7	10.75	.365	41.91	6	24.68	-.92	-5.91	-8.37	4.46	9.67	15.04	4.46	9.67	15.04	.364				
						1.7				7	31.30	-.86	-7.06	-8.10	4.46	9.67	15.04	4.46	9.67	15.04	.385				
						1.7				8	33.23	-.77	-7.52	-6.76	4.46	9.67	15.04	4.46	9.67	15.04	.373				
Member Unity Check Based On 50% Of The Brace Effective Strength =																						1.288			
501	671	668	Maximum Unity Check Based On 50% Of The Brace Effective Strength =																			1.288			
502	631	628	46.00	.500	36.0	1.7	10.75	.365	41.91	6	25.08	-1.04	-8.57	-2.01	2.59	6.84	5.59	2.59	6.84	5.59	.635				
						1.7				7	33.91	-1.47	-8.64	.39	1.20	4.72	-1.44	1.20	4.72	-1.44	200.000				
						1.7				8	36.65	-1.78	-7.02	2.27	.74	4.02	-3.78	.74	4.02	-3.78	200.000				
Member Unity Check Based On 50% Of The Brace Effective Strength =																						1.288			

Common Joint	Chord Joint	Brace Joint	Chord			Comp.			Gap			Brace			Chord				Actual Stresses			Punching Shear			Unity Check	
			O.D.	WT	Fy	Alpha	O.D.	WT	Angle	Case	Fa+Pb	Fa	Out-PI	In-PI	Fa	Out-PI	In-PI	Allowable Stresses	Unity							
(In)	(In)	(In)	(KSI)	(In)	(In)	(In)	(Deg)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	
502	631	628																								
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.288																										
503	621	626	46.00	.500	36.0	1.7		10.75	.365	41.91	6	26.72	-.89	2.14	5.94	2.64	6.90	5.80								.515
						1.7					7	35.24	-.64	3.68	5.89	1.34	4.93	-.75								200.000
						1.7					8	37.59	-.49	5.73	5.07	.97	4.37	-2.62								200.000
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.288																										
503	621	626																								
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.288																										
504	661	666	46.00	.500	36.0	1.7		10.75	.365	41.91	6	22.53	-.45	5.79	.38	4.46	9.67	15.04								.238
						1.7					7	28.97	-.33	7.17	-2.81	4.46	9.67	15.04								.279
						1.7					8	31.01	-.33	7.29	-5.20	4.46	9.67	15.04								.301
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.288																										
504	661	666																								
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.288																										
505	471	464	46.00	.500	36.0	1.7		10.75	.375	46.21	6	18.67	.37	2.66	-3.16	4.46	9.67	15.04								.165
						1.7					7	24.85	.45	2.36	-3.06	4.46	9.67	15.04								.165
						1.7					8	27.06	.48	2.68	-2.81	4.46	9.67	15.04								.174
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.430																										
505	471	464																								
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.430																										
506	431	424	46.00	.500	36.0	1.7		10.75	.375	46.21	6	12.86	-.36	4.08	-.40	4.09	9.11	13.16								.204
						1.7					7	18.36	-.62	4.37	.65	3.58	8.33	10.56								.278
						1.7					8	21.65	-.77	3.43	1.20	3.11	7.62	8.20								.299
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.430																										
506	431	424																								
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.430																										
507	421	423	46.00	.500	36.0	1.7		10.75	.375	46.21	6	18.14	-.26	-.16	2.98	3.46	8.14	9.95								.145
						1.7					7	23.72	-.32	-.72	2.69	2.73	7.04	6.26								.218
						1.7					8	25.66	-.30	-2.19	2.42	2.46	6.64	4.92								.273
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.430																										

*** Joint Can Summary ***

/---- Joints ----/			Load Case	/----- Chord -----/			/----- Brace -----/			/50% Eff. Strength/		
Conn.	Chord	Brace		Diameter (In)	Thickness (In)	Yld Strs (KSI)	Diameter (In)	Thickness (In)	Yld Strs (KSI)	Unity Check	Brace Joint	Unity Check
101	121	123	6	46.000	.500	36.000	12.750	.500	36.000	.619	123	2.066
102	131	124	8	46.000	.500	36.000	12.750	.500	36.000	.436	124	2.066
103	161	163	8	46.000	.500	36.000	12.750	.500	36.000	.402	163	2.066
104	171	164	6	46.000	.500	36.000	12.750	.500	36.000	.656	164	2.066
✓ 111	211	145	8	46.000	1.000	36.000	24.000	.687	36.000	1.096	115	1.286
✓ 121	101	231	6	46.000	1.000	36.000	26.000	.500	36.000	1.078	115	1.292
123	143	124	7	20.000	.812	36.000	12.750	.687	36.000	.597	124	.780
124	144	123	7	20.000	.812	36.000	12.750	.687	36.000	.577	123	.780
125	121	123	6	20.000	.812	36.000	16.000	.500	36.000	.229	123	.565
125	131	124	6	20.000	.812	36.000	16.000	.500	36.000	.128	123	.565
✓ 131	102	135	6	46.000	1.000	36.000	20.000	.812	36.000	1.163	125	1.292
✓ 141	241	135	6	46.000	1.000	36.000	20.000	.812	36.000	1.229	135	1.286
143	123	155	6	20.000	.812	36.000	8.625	.500	36.000	.261	155	.524
143	163	155	6	20.000	.812	36.000	8.625	.500	36.000	.261	155	.524
144	124	146	6	20.000	.812	36.000	8.625	.500	36.000	.280	146	.524
144	164	146	6	20.000	.812	36.000	8.625	.500	36.000	.280	146	.524
145	151	251	8	24.000	.687	36.000	24.000	.375	36.000	.679	121	.823
145	111	211	8	24.000	.687	36.000	24.000	.375	36.000	.726	121	.823
146	131	231	8	24.000	.687	36.000	24.000	.375	36.000	.948	144	.838
146	171	271	8	24.000	.687	36.000	24.000	.375	36.000	.916	144	.838
148	141	241	8	24.000	.687	36.000	24.000	.375	36.000	.795	131	.823
148	181	281	8	24.000	.687	36.000	24.000	.375	36.000	.719	131	.823
✓ 151	251	159	6	46.000	1.000	36.000	20.000	.812	36.000	1.000	159	1.286
✓ 155	121	221	8	24.000	.687	36.000	24.000	.375	36.000	.941	143	.838
155	161	261	8	24.000	.687	36.000	24.000	.375	36.000	.884	143	.838
✓ 161	103	159	6	46.000	1.000	36.000	20.000	.812	36.000	1.035	159	1.292
163	143	164	6	20.000	.812	36.000	12.750	.687	36.000	.645	164	.780
164	144	163	7	20.000	.812	36.000	12.750	.687	36.000	.619	163	.780
165	161	163	6	20.000	.812	36.000	16.000	.500	36.000	.159	163	.565
165	171	164	6	20.000	.812	36.000	16.000	.500	36.000	.253	163	.565
✓ 171	104	165	6	46.000	1.000	36.000	20.000	.812	36.000	1.172	165	1.292
181	281	148	8	46.000	1.000	36.000	24.000	.687	36.000	.975	175	1.286
199	123	124	8	12.750	.687	36.000	12.750	.687	36.000	.399	124	.696
199	164	163	8	12.750	.687	36.000	12.750	.687	36.000	.411	124	.696
201	221	253	6	26.000	.500	36.000	20.000	.500	36.000	.244	343	1.563
201	361	343	8	26.000	.500	36.000	24.000	.500	36.000	.117	343	1.563
202	205	201	8	46.000	1.000	36.000	24.000	.500	36.000	.215	201	.825
203	206	204	6	46.000	1.000	36.000	24.000	.500	36.000	.211	204	.825
204	331	203	6	26.000	.500	36.000	24.000	.500	36.000	.241	231	1.416
205	202	223	7	46.000	1.000	36.000	12.750	.375	36.000	.038	223	.385
206	203	224	7	46.000	1.000	36.000	12.750	.375	36.000	.059	224	.385
207	261	263	7	46.000	.500	36.000	12.750	.375	36.000	.314	263	1.542
208	271	264	7	46.000	.500	36.000	12.750	.375	36.000	.099	264	1.542
211	111	145	8	46.000	1.000	36.000	24.000	.375	36.000	.472	221	.771
211	311	221	6	46.000	1.000	36.000	18.000	.500	36.000	.556	221	.771
221	101	155	6	46.000	1.000	36.000	24.000	.375	36.000	.957	211	.775
221	202	201	8	46.000	1.000	36.000	26.000	.500	36.000	.855	211	.775
223	243	299	6	20.000	.812	36.000	12.750	.687	36.000	.357	224	.780
224	244	299	8	20.000	.812	36.000	12.750	.687	36.000	.210	223	.780

*** Joint Can Summary ***

----- Joints -----				----- Chord -----			----- Brace -----			----- 50% Eff. Strength -----		
Comm.	Chord	Brace	Case	Diameter (In)	Thickness (In)	Yld Strs (KSI)	Diameter (In)	Thickness (In)	Yld Strs (KSI)	Unity Check	Brace Joint	Unity Check
225	221	223	6	12.750	.500	36.000	12.750	.375	36.000	.398	223	.720
225	231	224	6	12.750	.500	36.000	12.750	.375	36.000	.368	223	.720
231	203	321	6	46.000	1.000	36.000	20.000	.500	36.000	.645	225	.701
231	102	146	6	46.000	1.000	36.000	24.000	.375	36.000	.946	225	.701
241	141	131	6	46.000	1.000	36.000	26.000	.375	36.000	1.002	381	.638
241	341	381	8	46.000	1.000	36.000	26.000	.500	36.000	.798	381	.638
243	223	254	7	20.000	.812	36.000	8.625	.322	36.000	.072	254	.337
243	263	254	7	20.000	.812	36.000	8.625	.322	36.000	.072	254	.337
244	224	255	7	20.000	.812	36.000	8.625	.322	36.000	.073	255	.337
244	264	255	7	20.000	.812	36.000	8.625	.322	36.000	.073	255	.337
251	151	161	6	46.000	1.000	36.000	26.000	.375	36.000	.883	311	.638
251	351	311	8	46.000	1.000	36.000	26.000	.500	36.000	.700	311	.638
253	254	201	6	24.000	.375	36.000	20.000	.500	36.000	.729	201	3.275
254	253	223	7	24.000	.375	36.000	8.625	.322	36.000	.758	243	1.811
254	261	263	8	24.000	.375	36.000	8.625	.322	36.000	.804	243	1.811
255	231	224	8	24.000	.375	36.000	8.625	.322	36.000	.713	244	1.811
255	271	264	7	24.000	.375	36.000	8.625	.322	36.000	.636	244	1.811
261	207	371	6	46.000	1.000	36.000	20.000	.500	36.000	.556	265	.701
261	103	155	6	46.000	1.000	36.000	24.000	.375	36.000	.877	265	.701
263	243	299	8	20.000	.812	36.000	12.750	.687	36.000	.235	264	.780
264	244	299	6	20.000	.812	36.000	12.750	.687	36.000	.943	263	.780
265	261	263	6	12.750	.500	36.000	12.750	.375	36.000	.350	263	.720
265	271	264	6	12.750	.500	36.000	12.750	.375	36.000	.369	263	.720
271	104	146	6	46.000	1.000	36.000	24.000	.375	36.000	.915	281	.775
271	208	204	8	46.000	1.000	36.000	26.000	.500	36.000	.872	281	.775
281	181	148	8	46.000	1.000	36.000	24.000	.375	36.000	.519	271	.771
281	381	271	6	46.000	1.000	36.000	18.000	.500	36.000	.523	271	.771
299	223	224	8	12.750	.687	36.000	12.750	.687	36.000	.322	224	.696
299	264	263	8	12.750	.687	36.000	12.750	.687	36.000	.351	224	.696
301	421	302	6	24.000	.500	36.000	24.000	.500	36.000	.134	343	1.657
301	361	343	8	24.000	.500	36.000	24.000	.500	36.000	.204	343	1.657
302	421	301	8	46.000	.500	36.000	24.000	.500	36.000	1.047	301	3.299
303	431	304	8	46.000	.500	36.000	24.000	.500	36.000	1.290	304	3.299
304	331	346	8	24.000	.500	36.000	20.000	.500	36.000	.421	346	1.827
311	411	421	6	46.000	1.000	36.000	20.000	.500	36.000	.651	251	.734
311	211	251	6	46.000	1.000	36.000	26.000	.500	36.000	.653	251	.734
321	302	431	6	46.000	1.000	36.000	18.000	.500	36.000	.393	343	.825
321	205	231	6	46.000	1.000	36.000	20.000	.500	36.000	.423	343	.825
331	303	441	6	46.000	1.000	36.000	20.000	.375	36.000	.708	346	.792
331	206	204	6	46.000	1.000	36.000	26.000	.500	36.000	.698	346	.792
343	201	321	6	24.000	.500	36.000	24.000	.500	36.000	.372	361	1.910
343	301	361	6	24.000	.500	36.000	24.000	.500	36.000	.496	361	1.910
346	331	304	8	20.000	.500	36.000	20.000	.500	36.000	.396	304	1.473
361	461	451	6	46.000	1.000	36.000	20.000	.375	36.000	.653	343	.825
361	207	201	6	46.000	1.000	36.000	26.000	.500	36.000	.677	343	.825
371	471	461	6	46.000	1.000	36.000	18.000	.500	36.000	.365	346	.792
371	208	261	6	46.000	1.000	36.000	20.000	.500	36.000	.379	346	.792
381	481	471	6	46.000	1.000	36.000	20.000	.500	36.000	.580	241	.734
381	281	241	6	46.000	1.000	36.000	26.000	.500	36.000	.688	241	.734

*** Joint Can Summary ***

/----- Joints -----/				/----- Chord -----/			/----- Brace -----/			/50% Eff. Strength/		
Comm.	Chord	Brace	Load Case	Diameter (In)	Thickness (In)	Yld Strs (KSI)	Diameter (In)	Thickness (In)	Yld Strs (KSI)	Unity Check	Brace Joint	Unity Check
411	511	421	6	46.000	1.000	36.000	14.000	.375	36.000	.236	451	.771
421	507	423	6	46.000	1.000	36.000	10.750	.365	36.000	.611	443	.771
421	302	423	6	46.000	1.000	36.000	10.750	.365	36.000	.618	443	.771
423	463	499	6	20.000	.812	36.000	12.750	.687	36.000	.347	424	.780
424	464	499	8	20.000	.812	36.000	12.750	.687	36.000	.221	423	.780
425	421	423	6	12.750	.500	36.000	10.750	.365	36.000	.236	423	.635
425	431	424	6	12.750	.500	36.000	10.750	.365	36.000	.188	423	.635
431	303	425	6	46.000	1.000	36.000	12.750	.500	36.000	.505	446	.771
431	506	425	6	46.000	1.000	36.000	12.750	.500	36.000	.495	446	.771
441	541	581	8	46.000	1.000	36.000	20.000	.500	36.000	.447	481	.771
441	341	331	6	46.000	1.000	36.000	20.000	.375	36.000	.523	481	.771
443	421	423	7	18.000	.500	36.000	8.625	.322	36.000	.424	423	.561
443	461	463	8	18.000	.500	36.000	8.625	.322	36.000	.422	423	.561
446	431	424	8	18.000	.500	36.000	8.625	.322	36.000	.423	424	.561
446	471	464	7	18.000	.500	36.000	8.625	.322	36.000	.427	424	.561
451	551	511	8	46.000	1.000	36.000	20.000	.500	36.000	.372	411	.771
451	351	361	6	46.000	1.000	36.000	20.000	.375	36.000	.491	411	.771
461	508	463	8	46.000	1.000	36.000	10.750	.365	36.000	.348	443	.771
461	361	463	8	46.000	1.000	36.000	10.750	.365	36.000	.348	443	.771
463	423	499	8	20.000	.812	36.000	12.750	.687	36.000	.244	464	.780
464	424	499	6	20.000	.812	36.000	12.750	.687	36.000	.377	463	.780
465	461	463	6	12.750	.500	36.000	10.750	.365	36.000	.213	463	.635
465	471	464	6	12.750	.500	36.000	10.750	.365	36.000	.259	463	.635
471	505	464	6	46.000	1.000	36.000	10.750	.365	36.000	.715	446	.771
471	371	464	6	46.000	1.000	36.000	10.750	.365	36.000	.715	446	.771
481	581	471	6	46.000	1.000	36.000	14.000	.375	36.000	.282	441	.771
499	423	424	8	12.750	.687	36.000	12.750	.687	36.000	.322	424	.696
499	464	463	8	12.750	.687	36.000	12.750	.687	36.000	.361	424	.696
501	671	668	7	46.000	.500	36.000	10.750	.365	36.000	.385	668	1.288
502	631	628	7	46.000	.500	36.000	10.750	.365	36.000	200.000	628	1.288
503	621	626	7	46.000	.500	36.000	10.750	.365	36.000	200.000	626	1.288
504	661	666	8	46.000	.500	36.000	10.750	.365	36.000	.301	666	1.288
505	471	464	8	46.000	.500	36.000	10.750	.375	36.000	.174	464	1.430
506	431	424	8	46.000	.500	36.000	10.750	.375	36.000	.299	424	1.430
507	421	423	8	46.000	.500	36.000	10.750	.375	36.000	.273	423	1.430
508	461	463	7	46.000	.500	36.000	10.750	.375	36.000	.215	463	1.430
511	611	621	6	46.000	1.000	36.000	16.000	.500	36.000	.611	451	.679
511	411	451	6	46.000	1.000	36.000	20.000	.500	36.000	.928	451	.679
521	503	631	8	46.000	1.000	36.000	16.000	.500	36.000	.385	631	.574
521	507	431	6	46.000	1.000	36.000	18.000	.500	36.000	.340	631	.574
531	502	641	6	46.000	1.000	36.000	16.000	.500	36.000	.643	471	.680
531	506	471	6	46.000	1.000	36.000	20.000	.500	36.000	.737	471	.680
561	504	651	6	46.000	1.000	36.000	16.000	.500	36.000	.744	421	.680
561	508	421	8	46.000	1.000	36.000	20.000	.500	36.000	.503	421	.680
571	501	661	7	46.000	1.000	36.000	16.000	.500	36.000	.353	661	.574
571	505	461	6	46.000	1.000	36.000	18.000	.500	36.000	.347	661	.574
581	681	671	6	46.000	1.000	36.000	16.000	.500	36.000	.556	441	.679
581	481	471	7	46.000	1.000	36.000	18.000	.500	36.000	.586	441	.679
611	712	651	7	46.000	1.000	36.000	14.000	.500	36.000	.467	651	.718

* * * Joint Can Summary * * *

/---- Joints ----/			Load Case	----- Chord -----			----- Brace -----			/50% Eff. Strength/		
Conn.	Chord	Brace		Diameter (In)	Thickness (In)	Yld Strs (KSI)	Diameter (In)	Thickness (In)	Yld Strs (KSI)	Unity Check	Brace Joint	Unity Check
621	503	561	8	46.000	1.000	36.000	20.000	.500	36.000	.793	643	.718
621	722	625	8	46.000	1.000	36.000	12.750	.500	36.000	.736	643	.718
623	626	624	6	20.000	.812	36.000	16.000	.500	36.000	.082	624	.589
624	628	623	8	20.000	.812	36.000	16.000	.500	36.000	.102	623	.589
625	621	623	6	12.750	.500	36.000	10.750	.365	36.000	.105	623	.497
625	631	624	8	12.750	.500	36.000	10.750	.365	36.000	.123	623	.497
626	666	699	6	20.000	.812	36.000	12.750	.687	36.000	.256	628	.589
626	623	621	6	20.000	.812	36.000	10.750	.365	36.000	.280	628	.589
628	668	646	7	20.000	.812	36.000	8.625	.322	36.000	.254	626	.589
628	624	631	6	20.000	.812	36.000	10.750	.365	36.000	.237	626	.589
631	502	641	6	46.000	1.000	36.000	12.750	.500	36.000	.902	646	.718
631	732	641	6	46.000	1.000	36.000	12.750	.500	36.000	.900	646	.718
641	541	581	6	46.000	1.000	36.000	20.000	.500	36.000	.745	681	.718
641	742	631	6	46.000	1.000	36.000	12.750	.500	36.000	.733	681	.718
643	621	625	7	14.000	.500	36.000	8.625	.322	36.000	.382	626	.531
643	661	666	8	14.000	.500	36.000	8.625	.322	36.000	.361	626	.531
646	631	628	8	14.000	.500	36.000	8.625	.322	36.000	.333	628	.531
646	671	668	7	14.000	.500	36.000	8.625	.322	36.000	.353	628	.531
651	551	561	6	46.000	1.000	36.000	16.000	.500	36.000	.597	611	.718
651	752	611	8	46.000	1.000	36.000	14.000	.500	36.000	.450	611	.718
661	504	651	6	46.000	1.000	36.000	12.750	.500	36.000	.564	643	.718
661	762	651	6	46.000	1.000	36.000	12.750	.500	36.000	.564	643	.718
663	666	665	8	20.000	.812	36.000	10.750	.365	36.000	.108	664	.589
664	668	665	6	20.000	.812	36.000	10.750	.365	36.000	.079	663	.589
665	661	663	6	12.750	.500	36.000	10.750	.365	36.000	.128	663	.497
665	671	664	6	12.750	.500	36.000	10.750	.365	36.000	.166	663	.497
666	626	699	8	20.000	.812	36.000	12.750	.687	36.000	.271	668	.589
666	663	661	8	20.000	.812	36.000	10.750	.365	36.000	.283	668	.589
668	628	699	6	20.000	.812	36.000	12.750	.687	36.000	.409	666	.589
668	664	671	6	20.000	.812	36.000	10.750	.365	36.000	.526	666	.589
671	501	668	6	46.000	1.000	36.000	10.750	.365	36.000	.923	646	.718
671	772	646	7	46.000	1.000	36.000	14.000	.500	36.000	.927	646	.718
681	782	671	6	46.000	1.000	36.000	12.750	.500	36.000	.628	641	.718
699	626	666	8	12.750	.687	36.000	12.750	.687	36.000	.489	628	.742
699	668	666	8	12.750	.687	36.000	12.750	.687	36.000	.492	628	.742

Friday 7/22/94 15:21:28

Input File Name:\STRUCAD\WD103US\WD103US

Output File Name:\STRUCAD\WD103US\WD103US.014

* * * Problem Description * * *

Number Of Joints = 316
Number Of Beams = 672
Number Of Plates = 16
No. Of NOAH Basic Load Cases = 5
No. Of NOAH Combined Load Cases = 3
No. Of JCAN Combined Load Cases = 0

Total Solution Time = 0: 7:11