

211D (COPY 2)

**STRUCTURAL ASSESSMENT
BOOK 4 OF 4**

**PUSHOVER STRENGTH ANALYSES
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

STRUCTURAL ASSESSMENT BOOK INDEX

ASSESSMENT CALCULATIONS BOOK #1

DESIGN LEVEL ANALYSIS OUTPUT BOOK #2

ULTIMATE STRENGTH ANALYSIS OUTPUT BOOK #3

PUSHOVER STRENGTH ANALYSIS OUTPUT BOOK #4

PERFORMED BY:



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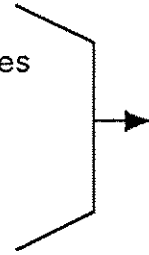


8.3 PUSHOVER STRENGTH ANALYSIS I OUTPUT

8.3.1 WDPUSH.0T1

Input Echo..... pp. 1 - 32

Tubular Member Properties
Wide Flange Member Properties
Soil Curves
Pile Data Report
Pile Group Report
End of Prep Module
Load Generation



Not printed - same
as Ultimate
Strength Analysis
L.C.6
See Section 8.2.1

Applied Load Summary..... p. 76

NOAH Load Case Report p. 77

End of Load Module..... p. 78

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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 18:48: 6

*** Program Options ***

Soil Structure Interaction

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

```

Load

```

No. Of Basic Load Cases 4
No. Of Comb. Load Cases 1

```

Print Options

```

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

```

Joint Equilibrium Check Edit Values:

```

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

```

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 70 KT, WAVE 62.4 FT/12.5 SEC, CURR 1.8 KT @ 45.0 DEGR
- LC 4 : PUSHOVER SIMULATION PILE 182 IS REPLACED BY REACTION

COMBINED LDS:

- LC 5 : LC 1*100% + LC 2*100% + LC3=100% (H=62.4', 45.0 DGR)

A
B
C
D
1
1
1
E
1
1
1
1
F
1
1
1
1
1
1
1
1
1
G

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

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

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1  PUSHOVER ANALYSIS WD103A PILE 182 @ ULTIMATE CAPACITY Z23' WATER 8-BATTRED
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 & +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 JNT (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 2&3 ONLY
12     EL -26'6"   511 THRU 581 PILE JNTS 512  "  582  "  599-600
13     EL -46'     505,506,507,508 ROW 2&3 ONLY
14     EL -68'     411 THRU 481 PILE JNTS 412  "  482  "  499-500
15     EL -91'3"   301,302,303,304 ROW 2&3 ONLY
16     EL -114'6"  311 THRU 381 PILE JNTS 312  "  382  "  399-400
17     EL -136'    205,206,207,208 ROW 2&3 ONLY
18     EL -140'3"  201,202,203,204 ROW 2&3 ONLY
19     EL -166'    211 THRU 281 PILE JNTS 212  "  282  "  299-300
20     EL -188'    101,102,103,104 ROW 2&3 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 70 KT,WAVE 62.4 FT/12.5 SEC,CURR 1.8 KT @ 45.0 DEGR
29     LC 4 : PUSHOVER SIMULATION PILE 182 IS REPLACED BY REACTION
30  COMBINED LDS:
31     LC 5 : LC 1*100% + LC 2*100% + LC3*100% (H=62.4',45.0 DGR)
32  OPTIONS      EM  SI  SDPAZO 1 1 4 1      PTPPTPTPTPT
33  LDOPT SF      MF      64.20  490.00  -223.00  223.00
34  LDCASE      5
35  UNITI
36  AMOD      S  2.00
37  GRUP 165      16.000  0.500  29.0011.6036.00  1      1.001.00      0.50  490.00
38  GRUP 185      18.000  0.500  29.0011.6036.00  1      1.001.00      0.50  490.00
39  GRUP 203      20.000  0.375  29.0011.6036.00  1      1.001.00      0.50  490.00
40  GRUP 205      20.000  0.500  29.0011.6036.00  1      1.001.00      0.50  490.00
41  GRUP 243      24.000  0.375  29.0011.6036.00  1      1.001.00      0.50  490.00
42  GRUP 245      24.000  0.500  29.0011.6036.00  1      1.001.00      0.50  490.00
43  GRUP 263      26.000  0.375  29.0011.6036.00  1      1.001.00      0.50  490.00
44  GRUP 265      26.000  0.500  29.0011.6036.00  1      1.001.00      0.50  490.00
45  GRUP J08      8.625  0.500  29.0011.6036.00  1      1.001.00      0.50  490.00
46  GRUP J11      12.750  0.500  29.0011.6036.00  1      1.001.00      0.50  490.00
47  GRUP J12      12.750  0.687  29.0011.6036.00  1      1.001.00      0.50  490.00
48  GRUP J16      16.000  0.500  29.0011.6036.00  1      1.001.00      0.50  490.00
49  GRUP J20      20.000  0.812  29.0011.6036.00  1      1.001.00      0.50  490.00
50  GRUP J24      24.000  0.687  29.0011.6036.00  1      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
51	GRUP	J25	24.000	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
52	GRUP	K08	8.625	0.322	29.0011.6036.00	1	1.001.00		0.50	490.00					
53	GRUP	K11	12.750	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
54	GRUP	K12	12.750	0.687	29.0011.6036.00	1	1.001.00		0.50	490.00					
55	GRUP	K13	12.750	0.375	29.0011.6036.00	1	1.001.00		0.50	490.00					
56	GRUP	K18	18.000	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
57	GRUP	K20	20.000	0.812	29.0011.6036.00	1	1.001.00		0.50	490.00					
58	GRUP	K24	24.000	0.375	29.0011.6036.00	1	1.001.00		0.50	490.00					
59	GRUP	L20	20.000	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
60	GRUP	L24	24.000	0.375	29.0011.6036.00	1	1.001.00		0.50	490.00					
61	GRUP	L25	24.000	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
62	GRUP	LG2	46.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.005.00						
63	GRUP	LG2	46.000	0.500	29.0011.6036.00	1	1.001.00		0.50F490.00						
64	GRUP	LG2	46.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.005.00						
65	GRUP	LG3	46.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.005.00						
66	GRUP	LG3	46.000	0.500	29.0011.6036.00	1	1.001.00		0.50F490.00						
67	GRUP	LG4	46.000	0.500	29.0011.6036.00	1	1.001.00		0.50F490.00						
68	GRUP	LG4	46.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.005.00						
69	GRUP	LGS	46.000	0.500	29.0011.6036.00	1	1.001.00		0.50F490.00						
70	GRUP	LC7	46.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.00						
71	GRUP	M08	8.625	0.322	29.0011.6036.00	1	1.001.00		0.50	490.00					
72	GRUP	M09	10.750	0.375	29.0011.6036.00	1	1.001.00		0.50	490.00					
73	GRUP	M10	10.750	0.365	29.0011.6036.00	1	1.001.00		0.50	490.00					
74	GRUP	M11	12.750	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
75	GRUP	M12	12.750	0.687	29.0011.6036.00	1	1.001.00		0.50	490.00					
76	GRUP	M14	14.000	0.375	29.0011.6036.00	1	1.001.00		0.50	490.00					
77	GRUP	M18	18.000	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
78	GRUP	M20	20.000	0.375	29.0011.6036.00	1	1.001.00		0.50	490.00					
79	GRUP	M21	20.000	0.812	29.0011.6036.00	1	1.001.00		0.50	490.00					
80	GRUP	M16	16.000	0.375	29.0011.6036.00	1	1.001.00		0.50	490.00					
81	GRUP	M20	20.000	0.375	29.0011.6036.00	1	1.001.00		0.50	490.00					
82	GRUP	P08	8.625	0.322	29.0011.6036.00	1	1.001.00		0.50	490.00					
83	GRUP	P10	10.750	0.365	29.0011.6036.00	1	1.001.00		0.50	490.00					
84	GRUP	P12	12.750	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
85	GRUP	P14	14.000	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
86	GRUP	P16	16.000	0.500	29.0011.6036.00	1	1.001.00		0.50	490.00					
87	GRUP	P18	18.000	0.375	29.0011.6036.00	1	1.001.00		0.50	490.00					
88	GRUP	P21	20.000	0.812	29.0011.6036.00	1	1.001.00		0.50	490.00					
89	GRUP	PL2	42.000	1.750	29.0011.6036.00	1	1.001.00		0.50F490.0027.3						
90	GRUP	PL2	42.000	1.500	29.0011.6036.00	1	1.001.00		0.50F490.0020.0						
91	GRUP	PL2	42.000	1.250	29.0011.6036.00	1	1.001.00		0.50F490.00						
92	GRUP	PL3	42.000	1.250	29.0011.6036.00	1	1.001.00		0.50F490.004.80						
93	GRUP	PL3	42.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.00						
94	GRUP	PL4	42.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.00						
95	GRUP	PL5	42.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.00						
96	GRUP	PL6	42.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.00						
97	GRUP	PL7	42.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.00						
98	GRUP	PL8	42.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.00						
99	GRUP	SLH	12.750	0.687	29.0011.6036.00	1	1.001.00		0.50	490.00					
100	GRUP	W.8	42.000	1.000	29.0011.6036.00	1	1.001.00		0.50F490.00						

*** 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

- 301 MEMBER 121 155 J24
- 302 MEMBER 131 146 J24
- 303 MEMBER 141 148 J24
- 304 MEMBER 145 151 J24
- 305 MEMBER 146 171 J24
- 306 MEMBER 148 181 J24
- 307 MEMBER 155 161 J24
- 308 MEMBER 121 145 J25
- 309 MEMBER 145 161 J25
- 310 MEMBER 148 131 J25
- 311 MEMBER 171 148 J25
- 312 MEMBER 223 254 K08
- 313 MEMBER 224 255 K08
- 314 MEMBER 244 255 K08
- 315 MEMBER 254 243 K08
- 316 MEMBER 254 263 K08
- 317 MEMBER 255 264 K08
- 318 MEMBER 221 225 K11
- 319 MEMBER 225 231 K11
- 320 MEMBER 261 265 K11
- 321 MEMBER 265 271 K11
- 322 MEMBER 223 224 K12
- 323 MEMBER 263 264 K12
- 324 MEMBER 221 223 K13
- 325 MEMBER 223 205 K13
- 326 MEMBER 223 225 K13
- 327 MEMBER 224 206 K13
- 328 MEMBER 224 231 K13
- 329 MEMBER 225 224 K13
- 330 MEMBER 261 263 K13
- 331 MEMBER 263 207 K13
- 332 MEMBER 263 265 K13
- 333 MEMBER 264 208 K13
- 334 MEMBER 264 271 K13
- 335 MEMBER 265 264 K13
- 336 MEMBER 211 221 K18
- 337 MEMBER 271 281 K18
- 338 MEMBER 223 243 K20
- 339 MEMBER 224 244 K20
- 340 MEMBER 243 263 K20
- 341 MEMBER 244 264 K20
- 342 MEMBER 211 251 K24
- 343 MEMBER 221 251 K24
- 344 MEMBER 221 253 K24
- 345 MEMBER 231 255 K24
- 346 MEMBER 241 271 K24
- 347 MEMBER 241 281 K24
- 348 MEMBER 253 254 K24
- 349 MEMBER 254 261 K24
- 350 MEMBER 255 271 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

- 351 MEMBER 331 346 L20
- 352 MEMBER 346 371 L20
- 353 MEMBER 311 361 L24
- 354 MEMBER 331 381 L24
- 355 MEMBER 321 343 L25
- 356 MEMBER 343 361 L25
- 357 MEMBER 111 211 LG2
- 358 MEMBER 141 241 LG2
- 359 MEMBER 151 251 LG2
- 360 MEMBER 181 281 LG2
- 361 MEMBER 211 311 LG2
- 362 MEMBER 281 381 LG2
- 363 MEMBER 311 411 LG2
- 364 MEMBER 361 461 LG2
- 365 MEMBER 371 471 LG2
- 366 MEMBER 381 481 LG2
- 367 MEMBER 411 511 LG2
- 368 MEMBER 481 581 LG2
- 369 MEMBER 511 611 LG2
- 370 MEMBER 581 681 LG2
- 371 MEMBER 121 101 LG3
- 372 MEMBER 131 102 LG3
- 373 MEMBER 161 103 LG3
- 374 MEMBER 171 104 LG3
- 375 MEMBER 241 341 LG3
- 376 MEMBER 251 351 LG3
- 377 MEMBER 261 207 LG3
- 378 MEMBER 271 208 LG3
- 379 MEMBER 321 302 LG3
- 380 MEMBER 331 303 LG3
- 381 MEMBER 421 507 LG3
- 382 MEMBER 431 506 LG3
- 383 MEMBER 441 541 LG3
- 384 MEMBER 451 551 LG3
- 385 MEMBER 461 508 LG3
- 386 MEMBER 471 505 LG3
- 387 MEMBER 521 503 LG3
- 388 MEMBER 531 502 LG3
- 389 MEMBER 561 504 LG3
- 390 MEMBER 571 501 LG3
- 391 MEMBER 101 221 LG4
- 392 MEMBER 102 231 LG4
- 393 MEMBER 103 251 LG4
- 394 MEMBER 104 271 LG4
- 395 MEMBER 207 361 LG4
- 396 MEMBER 208 371 LG4
- 397 MEMBER 302 421 LG4
- 398 MEMBER 303 431 LG4
- 399 MEMBER 341 441 LG4
- 400 MEMBER 351 451 LG4

*** 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
401	MEMBER	501	671	LG4											
402	MEMBER	502	631	LG4											
403	MEMBER	503	621	LG4											
404	MEMBER	504	661	LG4											
405	MEMBER	505	571	LG4											
406	MEMBER	506	531	LG4											
407	MEMBER	507	521	LG4											
408	MEMBER	508	561	LG4											
409	MEMBER	541	641	LG4											
410	MEMBER	551	651	LG4											
411	MEMBER	202	205	LG7											
412	MEMBER	205	321	LG7											
413	MEMBER	203	206	LG7											
414	MEMBER	206	331	LG7											
415	MEMBER	221	202	LG7											
416	MEMBER	231	203	LG7											
417	MEMBER	611	712	LG7											
418	MEMBER	621	722	LG7											
419	MEMBER	631	732	LG7											
420	MEMBER	641	742	LG7											
421	MEMBER	651	752	LG7											
422	MEMBER	661	762	LG7											
423	MEMBER	671	772	LG7											
424	MEMBER	681	782	LG7											
425	MEMBER1	121	101	SKD											
426	MEMBER	OFFSETS							-29.00						-29.00
427	MEMBER1	101	221	SKD											
428	MEMBER	OFFSETS							-29.00						-29.00
429	MEMBER1	221	202	SKD											
430	MEMBER	OFFSETS							-29.00						-29.00
431	MEMBER1	202	321	SKD											
432	MEMBER	OFFSETS							-29.00						-29.00
433	MEMBER1	321	302	SKD											
434	MEMBER	OFFSETS							-29.00						-29.00
435	MEMBER1	302	421	SKD											
436	MEMBER	OFFSETS							-29.00						-29.00
437	MEMBER1	421	507	SKD											
438	MEMBER	OFFSETS							-29.00						-29.00
439	MEMBER1	507	521	SKD											
440	MEMBER	OFFSETS							-29.00						-29.00
441	MEMBER1	521	503	SKD											
442	MEMBER	OFFSETS							-29.00						-29.00
443	MEMBER1	131	102	SKD											
444	MEMBER	OFFSETS							-29.00						-29.00
445	MEMBER1	102	231	SKD											
446	MEMBER	OFFSETS							-29.00						-29.00
447	MEMBER1	231	203	SKD											
448	MEMBER	OFFSETS							-29.00						-29.00
449	MEMBER1	203	331	SKD											
450	MEMBER	OFFSETS							-29.00						-29.00

*** 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

- S01 MEMBER 643 666 P08
- S02 MEMBER 646 668 P08
- S03 MEMBER 621 626 P10
- S04 MEMBER 623 625 P10
- S05 MEMBER 625 624 P10
- S06 MEMBER 626 503 P10
- S07 MEMBER 628 502 P10
- S08 MEMBER 631 628 P10
- S09 MEMBER 663 665 P10
- S10 MEMBER 665 664 P10
- S11 MEMBER 666 504 P10
- S12 MEMBER 666 661 P10
- S13 MEMBER 668 501 P10
- S14 MEMBER 668 671 P10
- S15 MEMBER 611 621 P12
- S16 MEMBER 621 625 P12
- S17 MEMBER 625 631 P12
- S18 MEMBER 631 641 P12
- S19 MEMBER 651 661 P12
- S20 MEMBER 661 665 P12
- S21 MEMBER 665 671 P12
- S22 MEMBER 671 681 P12
- S23 MEMBER 611 651 P14
- S24 MEMBER 621 643 P14
- S25 MEMBER 631 646 P14
- S26 MEMBER 641 681 P14
- S27 MEMBER 643 661 P14
- S28 MEMBER 646 671 P14
- S29 MEMBER 623 624 P16
- S30 MEMBER 626 628 P16
- S31 MEMBER 663 664 P16
- S32 MEMBER 666 668 P16
- S33 MEMBER 621 651 P18
- S34 MEMBER 641 671 P18
- S35 MEMBER 623 626 P21
- S36 MEMBER 624 628 P21
- S37 MEMBER 626 666 P21
- S38 MEMBER 628 668 P21
- S39 MEMBER 666 663 P21
- S40 MEMBER 668 664 P21
- S41 MEMBER 112 212 PL2
- S42 MEMBER 122 222 PL2
- S43 MEMBER 132 232 PL2
- S44 MEMBER 142 242 PL2
- S45 MEMBER 152 252 PL2
- S46 MEMBER 162 262 PL2
- S47 MEMBER 172 272 PL2
- S48 MEMBER 182 282 PL2
- S49 MEMBER 212 312 PL3
- S50 MEMBER 222 322 PL3

*** 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

- 551 MEMBER 232 332 PL3
- 552 MEMBER 242 342 PL3
- 553 MEMBER 252 352 PL3
- 554 MEMBER 262 362 PL3
- 555 MEMBER 272 372 PL3
- 556 MEMBER 282 382 PL3
- 557 MEMBER 312 412 PL4
- 558 MEMBER 322 422 PL4
- 559 MEMBER 332 432 PL4
- 560 MEMBER 342 442 PL4
- 561 MEMBER 352 452 PL4
- 562 MEMBER 362 462 PL4
- 563 MEMBER 372 472 PL4
- 564 MEMBER 382 482 PL4
- 565 MEMBER 412 512 PL5
- 566 MEMBER 422 522 PL5
- 567 MEMBER 432 532 PL5
- 568 MEMBER 442 542 PL5
- 569 MEMBER 452 552 PL5
- 570 MEMBER 462 562 PL5
- 571 MEMBER 472 572 PL5
- 572 MEMBER 482 582 PL5
- 573 MEMBER 512 612 PL6
- 574 MEMBER 522 622 PL6
- 575 MEMBER 532 632 PL6
- 576 MEMBER 542 642 PL6
- 577 MEMBER 552 652 PL6
- 578 MEMBER 562 662 PL6
- 579 MEMBER 572 672 PL6
- 580 MEMBER 582 682 PL6
- 581 MEMBER 612 712 PL7
- 582 MEMBER 622 722 PL7
- 583 MEMBER 632 732 PL7
- 584 MEMBER 642 742 PL7
- 585 MEMBER 652 752 PL7
- 586 MEMBER 662 762 PL7
- 587 MEMBER 672 772 PL7
- 588 MEMBER 682 782 PL7
- 589 MEMBER 712 811 PL8
- 590 MEMBER 722 821 PL8
- 591 MEMBER 732 831 PL8
- 592 MEMBER 742 841 PL8
- 593 MEMBER 752 851 PL8
- 594 MEMBER 762 861 PL8
- 595 MEMBER 772 871 PL8
- 596 MEMBER 782 881 PL8
- 597 MEMBER 123 199 SIM
- 598 MEMBER 124 199 SIM
- 599 MEMBER 199 163 SIM
- 600 MEMBER 199 164 SIM

*** 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 47 43 WF3SK
- 702 MEMBER 43 48 WF3SK
- 703 MEMBER 48 50 WF3SK
- 704 MEMBER 50 24 WF3SK
- 705 MEMBER 24 56 WF3SK
- 706 MEMBER 56 37 WF3SK
- 707 MEMBER 37 58 WF3SK
- 708 MEMBER 58 25 WF3SK
- 709 MEMBER 25 60 WF3SK
- 710 MEMBER 60 68 WF3SK
- 711 MEMBER 68 69 WF3SK
- 712 MEMBER 69 70 WF3SK
- 713 MEMBER 70 26 WF3SK
- 714 MEMBER 54 34 WF6SK
- 715 MEMBER 34 40 WF6SK
- 716 MEMBER 40 35 WF6SK
- 717 MEMBER 35 64 WF6SK
- 718 MEMBER 53 31 WF6SK
- 719 MEMBER 31 39 WF6SK
- 720 MEMBER 39 33 WF6SK
- 721 MEMBER 33 63 WF6SK
- 722 MEMBER 18 27 WFOSK
- 723 MEMBER 27 23 WFOSK
- 724 MEMBER 21 30 WFOSK
- 725 MEMBER 30 26 WFOSK
- 726 MEMBER 53 49 WFOSK
- 727 MEMBER 49 51 V32SK
- 728 MEMBER 51 50 V32SK
- 729 MEMBER 50 54 WFOSK
- 730 MEMBER 63 59 WFOSK
- 731 MEMBER 59 61 WF3SK
- 732 MEMBER 61 60 WF3SK
- 733 MEMBER 60 64 WFOSK
- 734 MEMBER 20 29 WF3SK
- 735 MEMBER 29 25 WF3SK
- 736 MEMBER 19 28 WF3SK
- 737 MEMBER 28 24 WF3SK
- 738 MEMBER 39 36 V24SK
- 739 MEMBER 36 38 V24SK
- 740 MEMBER 38 37 V24SK
- 741 MEMBER 37 40 V24SK
- 742 MEMBER 81 113 WF4SK
- 743 MEMBER 113 114 WF4SK
- 744 MEMBER 114 116 WF4SK
- 745 MEMBER 116 83 WF4SK
- 746 MEMBER 83 117 WF4SK
- 747 MEMBER 117 118 WF4SK
- 748 MEMBER 118 119 WF4SK
- 749 MEMBER 119 84 WF4SK
- 750 MEMBER 84 120 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

- 751 MEMBER 120 126 WF4SK
- 752 MEMBER 126 127 WF4SK
- 753 MEMBER 127 85 WF4SK
- 754 MEMBER 86 128 WF4SK
- 755 MEMBER 128 129 WF4SK
- 756 MEMBER 129 130 WF4SK
- 757 MEMBER 130 87 WF4SK
- 758 MEMBER 87 133 WF4SK
- 759 MEMBER 133 134 WF4SK
- 760 MEMBER 134 136 WF4SK
- 761 MEMBER 136 88 WF4SK
- 762 MEMBER 88 137 WF4SK
- 763 MEMBER 137 138 WF4SK
- 764 MEMBER 138 139 WF4SK
- 765 MEMBER 139 89 WF4SK
- 766 MEMBER 81 90 YZSSK
- 767 MEMBER 90 94 YZSSK
- 768 MEMBER 94 98 YZSSK
- 769 MEMBER 98 86 YZSSK
- 770 MEMBER 85 93 YZSSK
- 771 MEMBER 93 97 YZSSK
- 772 MEMBER 97 106 YZSSK
- 773 MEMBER 106 89 YZSSK
- 774 MEMBER 91 95 Y33
- 775 MEMBER 95 99 Y33
- 776 MEMBER 92 96 Y33
- 777 MEMBER 96 105 Y33
- 778 MEMBER 811 1 IL1
- 779 MEMBER 821 2 IL1
- 780 MEMBER 831 3 IL1
- 781 MEMBER 841 4 IL1
- 782 MEMBER 1 9 IL2
- 783 MEMBER 2 10 IL2
- 784 MEMBER 3 11 IL2
- 785 MEMBER 4 13 IL2
- 786 MEMBER 9 18 IL3
- 787 MEMBER 18 73 IL3
- 788 MEMBER 73 81 IL2
- 789 MEMBER 10 19 IL3
- 790 MEMBER 19 74 IL3
- 791 MEMBER 74 83 IL2
- 792 MEMBER 11 20 IL3
- 793 MEMBER 20 75 IL3
- 794 MEMBER 75 84 IL2
- 795 MEMBER 13 21 IL3
- 796 MEMBER 21 76 IL3
- 797 MEMBER 76 85 IL2
- 798 MEMBER 45 113 D10
- 799 MEMBER 46 116 D10
- 800 MEMBER 65 120 D10

*** 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

- 801 MEMBER 67 127 D10
- 802 MEMBER 55 117 D10
- 803 MEMBER 36 118 D10
- 804 MEMBER 57 119 D10
- 805 MEMBER 41 114 D16
- 806 MEMBER 41 113 D16
- 807 MEMBER 41 116 D16
- 808 MEMBER 66 126 D16
- 809 MEMBER 66 120 D16
- 810 MEMBER 66 127 D16
- 811 MEMBER 18 113 D24
- 812 MEMBER 19 116 D24
- 813 MEMBER 20 120 D24
- 814 MEMBER 21 127 D24
- 815 MEMBER 19 117 D11
- 816 MEMBER 36 117 D11
- 817 MEMBER 36 119 D11
- 818 MEMBER 20 119 D11
- 819 MEMBER 24 133 D11
- 820 MEMBER 37 133 D11
- 821 MEMBER 37 134 D11
- 822 MEMBER 37 136 D11
- 823 MEMBER 25 136 D11
- 824 MEMBER 23 128 D24
- 825 MEMBER 24 130 D24
- 826 MEMBER 25 137 D24
- 827 MEMBER 26 139 D24
- 828 MEMBER 47 128 D10
- 829 MEMBER 48 130 D10
- 830 MEMBER 56 133 D10
- 831 MEMBER 58 136 D10
- 832 MEMBER 68 137 D10
- 833 MEMBER 70 139 D10
- 834 MEMBER 43 129 D16
- 835 MEMBER 43 128 D16
- 836 MEMBER 43 130 D16
- 837 MEMBER 69 138 D16
- 838 MEMBER 69 137 D16
- 839 MEMBER 69 139 D16
- 840 MEMBER 851 5 TL1
- 841 MEMBER 861 6 TL1
- 842 MEMBER 871 7 TL1
- 843 MEMBER 881 8 TL1
- 844 MEMBER 5 14 TL2
- 845 MEMBER 6 15 TL2
- 846 MEMBER 7 16 TL2
- 847 MEMBER 8 17 TL2
- 848 MEMBER 14 23 TL3
- 849 MEMBER 23 77 TL3
- 850 MEMBER 77 86 TL2

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

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

- 851 MEMBER 15 24 TL3
- 852 MEMBER 24 78 TL3
- 853 MEMBER 78 87 TL2
- 854 MEMBER 15 25 TL3
- 855 MEMBER 25 79 TL3
- 856 MEMBER 79 88 TL2
- 857 MEMBER 17 26 TL3
- 858 MEMBER 26 80 TL3
- 859 MEMBER 80 89 TL2
- 860 MEMBER 18 90 D10
- 861 MEMBER 90 27 D10
- 862 MEMBER 27 98 D10
- 863 MEMBER 98 23 D10
- 864 MEMBER 27 94 D83
- 865 MEMBER 30 97 D83
- 866 MEMBER 21 93 D10
- 867 MEMBER 93 30 D10
- 868 MEMBER 30 106 D10
- 869 MEMBER 106 26 D10
- 870 MEMBER 33 108 D85
- 871 MEMBER 35 110 D85
- 872 MEMBER 20 108 D17
- 873 MEMBER 20 92 D17
- 874 MEMBER 25 105 D17
- 875 MEMBER 25 110 D17
- 876 MEMBER 29 96 D12
- 877 MEMBER 29 92 D12
- 878 MEMBER 29 105 D12
- 879 MEMBER 28 95 D12
- 880 MEMBER 28 91 D12
- 881 MEMBER 28 99 D12
- 882 MEMBER 19 91 D17
- 883 MEMBER 24 99 D17
- 884 MEMBER 19 107 D17
- 885 MEMBER 24 109 D17
- 886 MEMBER 31 107 D85
- 887 MEMBER 34 109 D85
- 888 MEMBER 107 140 V33
- 889 MEMBER 140 91 V33
- 890 MEMBER 83 140 TL2
- 891 MEMBER 87 147 TL2
- 892 MEMBER 99 147 V33
- 893 MEMBER 147 109 V33
- 894 MEMBER 108 149 V33
- 895 MEMBER 149 92 V33
- 896 MEMBER 105 150 V33
- 897 MEMBER 150 110 V33
- 898 MEMBER 84 149 TL2
- 899 MEMBER 88 150 TL2
- 900 MEMBER 66 71 V24SK

*** 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

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901 MEMBER 71 69 V24SK
902 MEMBER 41 44 V76SK
903 MEMBER 44 43 V76SK
904 MEMBER 81 153 V2SSK
905 MEMBER 153 87 V2SSK
906 MEMBER 83 153 V2SSK
907 MEMBER 153 86 V2SSK
908 MEMBER 88 154 V2SSK
909 MEMBER 154 83 V2SSK
910 MEMBER 87 154 V2SSK
911 MEMBER 154 84 V2SSK
912 MEMBER 85 156 V2SSK
913 MEMBER 156 88 V2SSK
914 MEMBER 84 156 V2SSK
915 MEMBER 156 89 V2SSK
916 PILOPT PAZO135 490. PIPITPIPIPI
917 PGRP P42 42.0 1.75 170.0
918 PGRP P42 42.0 1.50 10.0
919 PGRP P42 42.0 1.25 10.0
920 PGRP P42 42.0 1.00 80.0
921 PGRP P33 33.0 16.49 163.0
922 PILE 200 300 P33 81SSOL1
923 PILE 112 212 P42 13SSOL1
924 PILE 122 222 P42 13SSOL1
925 PILE 132 232 P42 13SSOL1
926 PILE 142 242 P42 13SSOL1
927 PILE 152 252 P42 13SSOL1
928 PILE 162 262 P42 13SSOL1
929 PILE 172 272 P42 13SSOL1
930 SOIL SOL1 1.
931 I-Z 7 0.0 .07336 42. S
932 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
933 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
934 I-Z 7 33.0 .07336 42. S
935 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
936 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
937 I-Z 7 33.1 .38528 42. S
938 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
939 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
940 I-Z 7 100.0 .38528 42. S
941 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
942 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
943 I-Z 2 100.1 2.4278 42. S
944 TVAL 0.0 1.00
945 ZVAL 0.0 0.01
946 I-Z 2 150.0 2.4278 42. S
947 TVAL 0.0 1.00
948 ZVAL 0.0 0.01
949 I-Z 2 150.1 2.6023 42. S
950 TVAL 0.0 1.00

```


*** 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

Line	1	2	3	4	5	6	7	8
1001	PGRUP	PLTZ	.375					12.
1002	PLATE	18	41	44	27PLTSK	.3750		
1003	PLATE	41	49	51	44PLTSK	.3750		
1004	PLATE	27	44	43	23PLTSK	.3750		
1005	PLATE	44	51	50	43PLTSK	.3750		
1006	PLATE	53	39	36	49PLTSK	.3750		
1007	PLATE	49	36	38	51PLTSK	.3750		
1008	PLATE	51	38	37	50PLTSK	.3750		
1009	PLATE	50	37	40	54PLTSK	.3750		
1010	PLATE	39	63	59	36PLTSK	.3750		
1011	PLATE	36	59	61	38PLTSK	.3750		
1012	PLATE	38	61	60	37PLTSK	.3750		
1013	PLATE	37	60	64	40PLTSK	.3750		
1014	PLATE	59	66	71	61PLTSK	.3750		
1015	PLATE	61	71	69	60PLTSK	.3750		
1016	PLATE	66	21	30	71PLTSK	.3750		
1017	PLATE	71	30	26	69PLTSK	.3750		
1018	JOINT	101	-22.500	-42.802	-188.00			
1019	JOINT	102	22.500	-42.802	-188.00			
1020	JOINT	103	-22.500	42.802	-188.00			
1021	JOINT	104	22.500	42.802	-188.00			
1022	JOINT	111	-86.302	-46.302	-223.00			
1023	JOINT	112	-86.302	-46.302	-223.00			ZZZZZZ
1024	JOINT	115	-52.906	-46.302	-223.00			
1025	JOINT	121	-22.500	-46.302	-223.00			
1026	JOINT	122	-22.500	-46.302	-223.00			ZZZZZZ
1027	JOINT	123	-9.583	-13.781	-223.00			
1028	JOINT	124	9.583	-13.781	-223.00			
1029	JOINT	125	.000	-46.302	-223.00			
1030	JOINT	131	22.500	-46.302	-223.00			
1031	JOINT	132	22.500	-46.302	-223.00			ZZZZZZ
1032	JOINT	135	52.906	-46.302	-223.00			
1033	JOINT	141	86.302	-46.302	-223.00			
1034	JOINT	142	86.302	-46.302	-223.00			ZZZZZZ
1035	JOINT	143	-9.583	.000	-223.00			
1036	JOINT	144	9.583	.000	-223.00			
1037	JOINT	145	-86.302	.000	-223.00			
1038	JOINT	146	22.500	.000	-223.00			
1039	JOINT	148	86.302	.000	-223.00			
1040	JOINT	151	-86.302	46.302	-223.00			
1041	JOINT	152	-86.302	46.302	-223.00			ZZZZZZ
1042	JOINT	155	-22.500	.000	-223.00			
1043	JOINT	159	-52.906	46.302	-223.00			
1044	JOINT	161	-22.500	46.302	-223.00			
1045	JOINT	162	-22.500	46.302	-223.00			ZZZZZZ
1046	JOINT	163	-9.583	13.781	-223.00			
1047	JOINT	164	9.583	13.781	-223.00			
1048	JOINT	165	.000	46.302	-223.00			
1049	JOINT	171	22.500	46.302	-223.00			
1050	JOINT	172	22.500	46.302	-223.00			ZZZZZZ

*** 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	175	52.906	46.302	-223.00											
1052	JOINT	181	86.302	46.302	-223.00											
1053	JOINT	182	86.302	46.302	-223.00											
1054	JOINT	199	.000	.000	-223.00											
1055	JOINT	200	.000	.000	-223.00											
1056	JOINT	201	-22.500	-2.575	-140.25											
1057	JOINT	202	-22.500	-38.027	-140.25											
1058	JOINT	203	22.500	-38.027	-140.25											
1059	JOINT	204	22.500	2.575	-140.25											
1060	JOINT	205	-22.500	-37.602	-136.00											
1061	JOINT	206	22.500	-37.602	-136.00											
1062	JOINT	207	-22.500	37.602	-136.00											
1063	JOINT	208	22.500	37.602	-136.00											
1064	JOINT	211	-80.602	-40.602	-166.00											
1065	JOINT	212	-80.602	-40.602	-166.00											
1066	JOINT	221	-22.500	-40.602	-166.00											
1067	JOINT	222	-22.500	-40.602	-166.00											
1068	JOINT	223	-9.583	-13.781	-166.00											
1069	JOINT	224	9.583	-13.781	-166.00											
1070	JOINT	225	.000	-40.599	-166.00											
1071	JOINT	231	22.500	-40.602	-166.00											
1072	JOINT	232	22.500	-40.602	-166.00											
1073	JOINT	241	80.602	-40.602	-166.00											
1074	JOINT	242	80.602	-40.602	-166.00											
1075	JOINT	243	-9.583	.000	-166.00											
1076	JOINT	244	9.583	.000	-166.00											
1077	JOINT	251	-80.602	40.602	-166.00											
1078	JOINT	252	-80.602	40.602	-166.00											
1079	JOINT	253	-22.500	-7.469	-166.00											
1080	JOINT	254	-22.500	.000	-166.00											
1081	JOINT	255	22.500	.000	-166.00											
1082	JOINT	261	-22.500	40.602	-166.00											
1083	JOINT	262	-22.500	40.602	-166.00											
1084	JOINT	263	-9.583	13.781	-166.00											
1085	JOINT	264	9.583	13.781	-166.00											
1086	JOINT	265	.000	40.599	-166.00											
1087	JOINT	271	22.500	40.602	-166.00											
1088	JOINT	272	22.500	40.602	-166.00											
1089	JOINT	281	80.602	40.602	-166.00											
1090	JOINT	282	80.602	40.602	-166.00											
1091	JOINT	299	.000	.000	-166.00											
1092	JOINT	300	.000	.000	-166.00											
1093	JOINT	301	-22.500	2.325	-91.250											
1094	JOINT	302	-22.500	-33.127	-91.250											
1095	JOINT	303	22.500	-33.127	-91.250											
1096	JOINT	304	22.500	-2.325	-91.250											
1097	JOINT	311	-75.452	-35.452	-114.50											
1098	JOINT	312	-75.452	-35.452	-114.50											
1099	JOINT	321	-22.500	-35.452	-114.50											
1100	JOINT	322	-22.500	-35.452	-114.50											

77777

*** 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...

1201	JOINT	772	22.500	22.802	12.000
1202	JOINT	782	62.802	22.802	12.000
1203	JOINT	811	-62.500	-22.500	15.000
1204	JOINT	821	-22.500	-22.500	15.000
1205	JOINT	831	22.500	-22.500	15.000
1206	JOINT	841	62.500	-22.500	15.000
1207	JOINT	851	-62.500	22.500	15.000
1208	JOINT	861	-22.500	22.500	15.000
1209	JOINT	871	22.500	22.500	15.000
1210	JOINT	881	62.500	22.500	15.000
1211	JOINT	900	.000	.000	19.000
1212	JOINT	1	-62.500	-22.500	19.500
1213	JOINT	2	-22.500	-22.500	19.500
1214	JOINT	3	22.500	-22.500	19.500
1215	JOINT	4	62.500	-22.500	19.500
1216	JOINT	5	-62.500	22.500	19.500
1217	JOINT	6	-22.500	22.500	19.500
1218	JOINT	7	22.500	22.500	19.500
1219	JOINT	8	62.500	22.500	19.500
1220	JOINT	9	-62.500	-22.500	33.875
1221	JOINT	10	-22.500	-22.500	33.875
1222	JOINT	11	22.500	-22.500	33.875
1223	JOINT	13	62.500	-22.500	33.875
1224	JOINT	14	-62.500	22.500	33.875
1225	JOINT	15	-22.500	22.500	33.875
1226	JOINT	16	22.500	22.500	33.875
1227	JOINT	17	62.500	22.500	33.875
1228	JOINT	18	-62.500	-22.500	41.000
1229	JOINT	19	-22.500	-22.500	41.000
1230	JOINT	20	22.500	-22.500	41.000
1231	JOINT	21	62.500	-22.500	41.000
1232	JOINT	23	-62.500	22.500	41.000
1233	JOINT	24	-22.500	22.500	41.000
1234	JOINT	25	22.500	22.500	41.000
1235	JOINT	26	62.500	22.500	41.000
1236	JOINT	27	-62.500	.000	41.000
1237	JOINT	28	-22.500	.000	41.000
1238	JOINT	29	22.500	.000	41.000
1239	JOINT	30	62.500	.000	41.000
1240	JOINT	31	-22.500	-42.500	41.000
1241	JOINT	33	22.500	-42.500	41.000
1242	JOINT	34	-22.500	42.500	41.000
1243	JOINT	35	22.500	42.500	41.000
1244	JOINT	36	.000	-22.500	41.000
1245	JOINT	37	.000	22.500	41.000
1246	JOINT	38	.000	.000	41.000
1247	JOINT	39	.000	-42.500	41.000
1248	JOINT	40	.000	42.500	41.000
1249	JOINT	41	-42.500	-22.500	41.000
1250	JOINT	43	-42.500	22.500	41.000

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

Line	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
1301	JOINT	98	-62.500	11.250	55.000										
1302	JOINT	99	-22.500	11.250	57.380										
1303	JOINT	105	22.500	11.250	57.380										
1304	JOINT	106	62.500	11.250	55.000										
1305	JOINT	107	-22.500	-29.000	57.380										
1306	JOINT	108	22.500	-29.000	57.380										
1307	JOINT	109	-22.500	29.000	57.380										
1308	JOINT	110	22.500	29.000	57.380										
1309	JOINT	113	-52.500	-22.500	55.000										
1310	JOINT	114	-42.500	-22.500	55.000										
1311	JOINT	116	-32.500	-22.500	55.000										
1312	JOINT	117	-11.250	-22.500	55.000										
1313	JOINT	118	.000	-22.500	55.000										
1314	JOINT	119	11.250	-22.500	55.000										
1315	JOINT	120	32.500	-22.500	55.000										
1316	JOINT	126	42.500	-22.500	55.000										
1317	JOINT	127	52.500	-22.500	55.000										
1318	JOINT	128	-52.500	22.500	55.000										
1319	JOINT	129	-42.500	22.500	55.000										
1320	JOINT	130	-32.500	22.500	55.000										
1321	JOINT	133	-11.250	22.500	55.000										
1322	JOINT	134	.000	22.500	55.000										
1323	JOINT	136	11.250	22.500	55.000										
1324	JOINT	137	32.500	22.500	55.000										
1325	JOINT	138	42.500	22.500	55.000										
1326	JOINT	139	52.500	22.500	55.000										
1327	JOINT	140	-22.500	-22.500	57.380										
1328	JOINT	147	-22.500	22.500	57.380										
1329	JOINT	149	22.500	-22.500	57.380										
1330	JOINT	150	22.500	22.500	57.380										
1331	JOINT	153	-42.500	.000	55.000										
1332	JOINT	154	.000	.000	55.000										
1333	JOINT	156	42.500	.000	55.000										
1334	AREABL	33.	480.	120.	42.5	-26.3	2.5	1.05	631	641					D
1335	AREABL	1440.	1440.	1440.	42.5	-26.3	2.5	1.4	631	641					I
1336	AREABB	62.	62.	14.4	-63.064	-28.064	1.0	0.7	611						D
1337	AREABB151.27151.27151.27	-63.064	-28.064				1.0	1.45	611						I
1338	AREABB	62.	62.	14.4	-22.5	-28.064	1.0	0.7	621						D
1339	AREABB151.27151.27151.27	-22.5	-28.064				1.0	1.45	621						I
1340	AREABB	62.	62.	14.4	-63.064	-28.064	1.0	0.7	651						D
1341	AREABB151.27151.27151.27	-63.064	-28.064				1.0	1.45	651						I
1342	AREABB	62.	62.	14.4	-22.5	-28.064	1.0	0.7	661						D
1343	AREABB151.27151.27151.27	-22.5	-28.064				1.0	1.45	661						I
1344	AREABB	62.	62.	14.4	22.5	-28.064	1.0	0.7	671						D
1345	AREABB151.27151.27151.27	22.5	-28.064				1.0	1.45	671						I
1346	AREABB	62.	62.	14.4	63.064	-28.064	1.0	0.7	681						D
1347	AREABB151.27151.27151.27	63.064	-28.064				1.0	1.45	681						I
1348	AREAW1	672.	1792.		0.	0.	47.		19	20	24	25			
1349	AREAW2	642.	1713.		0.	0.	60.69		83	84	87	88			
1350	AREADD		450.0	-52.5	-11.25		41.0	1.	18	27	41	44			D

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

Line	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
1351	AREADD		450.0	-52.5	11.25	41.0	1.	23	27	43	44				D
1352	AREADD		450.0	52.5	-11.25	41.0	1.	21	30	66	71				D
1353	AREADD		450.0	52.5	11.25	41.0	1.	26	30	69	71				D
1354	AREADD		450.0	-32.5	-11.25	41.0	1.	19	28	41	44				D
1355	AREADD		450.0	-32.5	11.25	41.0	1.	24	28	43	44				D
1356	AREADD		450.0	32.5	-11.25	41.0	1.	20	29	66	71				D
1357	AREADD		450.0	32.5	11.25	41.0	1.	25	29	69	71				D
1358	AREADD		506.3	-11.25	-11.25	41.0	1.	19	28	36	38				D
1359	AREADD		506.3	-11.25	11.25	41.0	1.	24	28	37	38				D
1360	AREADD		506.3	11.25	-11.25	41.0	1.	20	29	36	38				D
1361	AREADD		506.3	11.25	11.25	41.0	1.	25	29	37	38				D
1362	AREADD		523.4	-13.085	-32.5	41.0	1.	19	31	36	39				D
1363	AREADD		523.4	-13.085	32.5	41.0	1.	24	34	37	40				D
1364	AREADD		516.6	13.085	-32.5	41.0	1.	20	33	36	39				D
1365	AREADD		516.6	13.085	32.5	41.0	1.	25	35	37	40				D
1366	HGROU	0.0	57.0	1.00				1.05	1.05	1.2	1.2				
1367	HGROU	57.0	156.0	1.50				1.05	1.05	1.2	1.2				
1368	HGROU	156.0	224.0	2.00				1.05	1.05	1.2	1.2				
1369	GRPOU	Y76 F	490.	156.8		30.	30.	1.841	1.84						
1370	GRPOU	Y32 F	490.	116.7		35.	35.	1.971	1.97						
1371	GRPOU	Y24 F	490.	153.2		30.	30.	1.841	1.84						
1372	GRPOU	SKDNF	490.	19.24		12.75	12.75	4.0	4.0	1.4	1.4				
1373	GRPOU	ON1NN	490.	854.9	855.3	33.0	33.0	9.2	9.2	7.6	7.6				
1374	GRPOU	ON2NN	490.	442.9	683.5	29.5	29.5	10.310	3.9	9.5	9.5				
1375	GRPOU	PL2NF	490.	221.29		.0001	.0001	.001	.001	.001	.001	.0	.0		
1376	GRPOU	PL2NF	490.	190.85		.0001	.0001	.001	.001	.001	.001	.0	.0		
1377	GRPOU	PL2NF	490.	160.02		.0001	.0001	.001	.001	.001	.001	.0	.0		
1378	GRPOU	PL3NF	490.	160.02		.0001	.0001	.001	.001	.001	.001	.0	.0		
1379	GRPOU	PL3NF	490.	128.81		.0001	.0001	.001	.001	.001	.001	.0	.0		
1380	GRPOU	PL4NF	490.	128.81		.0001	.0001	.001	.001	.001	.001	.0	.0		
1381	GRPOU	PL5NF	490.	128.81		.0001	.0001	.001	.001	.001	.001	.0	.0		
1382	GRPOU	PL6NF	490.	128.81		.0001	.0001	.001	.001	.001	.001	.0	.0		
1383	GRPOU	PL7NF	490.	128.81		.0001	.0001	.001	.001	.001	.001	.0	.0		
1384	LOADCN	1													
1385	DEAD	-Z													
1386	LOAD	611			-9.000				GLOB JOIN		BUMPER				
1387	LOAD	611			-3.000				GLOB JOIN		WALK10'				
1388	LOAD	621			-9.000				GLOB JOIN		BUMPER				
1389	LOAD	621			-3.000				GLOB JOIN		WALK10'				
1390	LOAD	631			-20.000				GLOB JOIN		BOATLN				
1391	LOAD	631			-3.000				GLOB JOIN		WALK10'				
1392	LOAD	641			-20.000				GLOB JOIN		BOATLN				
1393	LOAD	641			-3.000				GLOB JOIN		WALK10'				
1394	LOAD	651			-9.000				GLOB JOIN		BUMPER				
1395	LOAD	651			-3.000				GLOB JOIN		WALK10'				
1396	LOAD	661			-9.000				GLOB JOIN		BUMPER				
1397	LOAD	661			-3.000				GLOB JOIN		WALK10'				
1398	LOAD	671			-9.000				GLOB JOIN		BUMPER				
1399	LOAD	671			-3.000				GLOB JOIN		WALK10'				
1400	LOAD	681			-9.000				GLOB JOIN		BUMPER				

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
			Midline 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
			Midline 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
			Midline Moments (Ft-Kips)	-461026.200	441961.300	11542.420
4	-567.710	-555.260	4141.900	-43982.000	47860.000	754.000
C.G. X (Ft)	86.302	86.302	86.302			
C.G. Y (Ft)	46.302	46.302	46.302			
C.G. Z (Ft)	-223.000	-223.000	-223.000			
			Global Moments (Ft-Kips)	64290.080	-226866.600	-21571.110
			Midline Moments (Ft-Kips)	188113.100	-353465.900	-21571.110
5	2340.619	2308.293	-4092.306	-33379.600	40100.460	35122.020
C.G. X (Ft)	-21.691	-19.570	-69.984			
C.G. Y (Ft)	-13.765	-14.579	-49.158			
C.G. Z (Ft)	-28.670	-20.598	275.497			
			Global Moments (Ft-Kips)	245932.400	-350160.600	-10028.690
			Midline Moments (Ft-Kips)	-268816.900	171797.400	-10028.690

*** NDAH Load Case Report ***

Load Case	Type	Anal. Opt.	Print Opt.	AFMOD 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	COMB	YES	YES	2.000		1 100.00	2 100.00	3 100.00	4 100.00		

Friday 7/22/94 19: 4:14

Input File Name:\STRUCAD\WDpush\WDPUSH
Output File Name:\STRUCAD\WDpush\WDPUSH.011

*** Problem Description ***

Number Of Joints 316
Number Of Beams (Steel) 672
Number Of Piles 8
Number Of Plates 16
No. Of Basic Load Cases 4
No. Of Combined Load Cases ... 1

Time For PREP Module = 0: 3:49
Time For LOAD Module = 0:12: 9

Total Processing Time = 0:15:59

8.3.2 WDPUSH.OT2

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Reduced Superstructure Loads	p. 2
Pile Head Forces & Displacements in Pile Coordinates During Iteration.....	pp. 3 - 7

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122.....	p. 20
132.....	p. 27
142.....	p. 34
152.....	p. 41
162.....	p. 48
172.....	p. 55

Pile Critical Load Case Report	pp. 62 - 84
Pile Head Unity Check Report.....	p. 85
Pile Critical Section Unity Check Report	p. 86
Pile Group Summary Report.....	pp. 87 - 88
Group Critical Pile Report.....	pp. 89 - 102
Pile Head & Structure Force Comparison	
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End Page	p. 105

***** Soil Structure Interaction Program Options *****

Number Of Piles 8

Pile Code Check API-4SD 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

*** Pile Head Forces and Displacements In Pile Coordinates During Iterations - Load Case 5 ***

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	-6.7150	5.9227	.00000	.00896	.01016
		Diff Displ.	-.0915	6.7150	-5.9227	.00000	-.00896	-.01016
112	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.4943	1.5195	-8.5842	-.00004	-.01297	-.00188
		Diff Displ.	.4943	-1.5195	8.5842	.00004	.01297	.00188
122	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.1199	7.3395	-5.6562	.00081	-.00898	-.01070
		Diff Displ.	.1199	-7.3395	5.6562	-.00081	.00898	.01070
132	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.0493	7.2198	-6.0511	.00052	-.00923	-.01060
		Diff Displ.	.0493	-7.2198	6.0511	-.00052	.00923	.01060
142	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.3547	9.3829	.4315	.00334	.00023	-.01393
		Diff Displ.	-.3547	-9.3829	-.4315	-.00334	-.00023	.01393
152	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.2126	-8.3593	-1.0028	-.00740	-.00101	.01264
		Diff Displ.	-.2126	8.3593	1.0028	.00740	.00101	-.01264
162	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.6225	-6.7172	5.6176	-.00546	.00863	.00998
		Diff Displ.	-.6225	6.7172	-5.6176	.00546	-.00863	-.00998
172	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.6922	-6.8487	5.7134	-.00586	.00907	.01007
		Diff Displ.	-.6922	6.8487	-5.7134	.00586	-.00907	-.01007
200	2	Old Forces	371.287	-70.071	61.792	.000	-6211.334	-7050.114
		Old Displ.	.0915	-6.7150	5.9227	.00000	.00896	.01016
		New Displ.	.0920	-20.4728	16.9392	.00000	.01282	.01592
		Diff Displ.	-.0005	13.7578	-11.0164	.00000	-.00386	-.00576
112	2	Old Forces	-1652.779	23.599	-110.052	.000	10638.770	4272.280
		Old Displ.	-.4943	1.5195	-8.5842	-.00004	-.01297	-.00188
		New Displ.	-.6320	4.7852	-25.8049	-.00128	-.02072	-.00371
		Diff Displ.	.1377	-3.2657	17.2206	.00125	.00775	.00182

*** Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 5 ***

Pile Joint	Iter. No.		Force or Displ.			Moment or Rotation		
			X	Y	Z	X	Y	Z
			/----- (Kips) or (In) -----/			/----- (In-Kips) or (Rad) -----/		
122	2	Old Forces	-484.621	87.285	-60.030	.001	5104.951	11998.629
		Old Displ.	-.1199	7.3395	-5.6562	.00081	-.00898	-.01070
		New Displ.	-.0734	21.7569	-16.4245	-.00028	-.01354	-.01734
		Diff Displ.	-.0465	-14.4174	10.7682	.00109	.00455	.00663
132	2	Old Forces	-243.649	82.623	-65.913	.001	7677.136	11434.060
		Old Displ.	-.0493	7.2198	-6.0511	.00052	-.00923	-.01060
		New Displ.	-.1413	21.6192	-17.3859	-.00051	-.01394	-.01727
		Diff Displ.	.0921	-14.3994	11.3348	.00103	.00472	.00667
142	2	Old Forces	1077.238	94.408	8.399	.003	-2997.489	16069.190
		Old Displ.	.3547	9.3829	.4315	.00334	.00023	-.01393
		New Displ.	.4346	28.1193	1.9935	.00243	.00138	-.02270
		Diff Displ.	-.0798	-18.7364	-1.5620	.00091	-.00115	.00877
152	2	Old Forces	633.829	-90.954	-16.011	-.007	4481.397	-13815.445
		Old Displ.	.2126	-8.3593	-1.0028	-.00740	-.00101	.01264
		New Displ.	.1879	-24.6118	-3.3808	-.00878	-.00252	.02046
		Diff Displ.	.0247	16.2525	2.3779	.00138	.00151	-.00782
162	2	Old Forces	1876.674	-65.208	51.642	-.005	-9344.804	-13052.795
		Old Displ.	.6225	-6.7172	5.6176	-.00546	.00863	.00998
		New Displ.	.8188	-19.9211	16.3329	-.00675	.01365	.01680
		Diff Displ.	-.1964	13.2040	-10.7153	.00129	-.00502	-.00682
172	2	Old Forces	2071.110	-65.653	48.066	-.006	-8010.987	-13958.656
		Old Displ.	.6922	-6.8487	5.7134	-.00586	.00907	.01007
		New Displ.	.7851	-20.0792	17.0604	-.00712	.01459	.01684
		Diff Displ.	-.0929	13.2305	-11.3471	.00126	-.00552	-.00676
200	3	Old Forces	375.235	-215.834	181.527	.000	-65594.613	-76766.905
		Old Displ.	.0920	-20.4728	16.9392	.00000	.01282	.01592
		New Displ.	.0920	-25.8923	21.2129	.00000	.01378	.01755
		Diff Displ.	.0000	5.4194	-4.2737	.00000	-.00096	-.00163
112	3	Old Forces	-2051.558	58.604	-310.743	-.001	81960.507	15883.193
		Old Displ.	-.6320	4.7852	-25.8049	-.00128	-.02072	-.00371
		New Displ.	-.6645	5.9727	-32.6066	-.00163	-.02221	-.00408
		Diff Displ.	.0325	-1.1875	6.8018	.00035	.00149	.00038
122	3	Old Forces	-326.811	228.955	-169.635	.000	52313.431	72160.468
		Old Displ.	-.0734	21.7569	-16.4245	-.00028	-.01354	-.01734
		New Displ.	-.0510	27.3747	-20.6409	-.00056	-.01443	-.01874
		Diff Displ.	-.0223	-5.6179	4.2164	.00028	.00090	.00140
132	3	Old Forces	-555.855	229.553	-184.225	-.001	56539.589	70626.057
		Old Displ.	-.1413	21.6192	-17.3859	-.00051	-.01394	-.01727
		New Displ.	-.1787	27.2339	-21.7541	-.00077	-.01474	-.01861
		Diff Displ.	.0374	-5.6147	4.3682	.00027	.00080	.00134

*** Pile Head Load And Deformation Report For Pile Joint 200 Load Case No. 5 ***

		Allowable Modifier	2.000		
			X	Y	Z
Specified Springs:	Translational (Kips/In)				
	Rotational (In-Kips/Rad)		1.00		
Calculated Loads:	Force (Kips)		375.235	-269.984	226.081
	Moment (In-Kips)		.000	-90242.020	-105839.600
Calculated Displacements:	Translational (In)		.0920	-26.0721	21.3623
	Rotational (Rad)		.00000	.01382	.01761

*** Pile Head Load And Deformation Report For Pile Joint 112 Load Case No. 5 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	-2146.124	71.176	-389.791
	Moment (In-Kips)	-.002	114805.600	20935.110
Calculated Displacements:	Translational (In)	-.6658	6.0016	-32.8373
	Rotational (Rad)	-.00164	-.02226	-.00408

*** Pile Head Load And Deformation Report For Pile Joint 122 Load Case No. 5 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/In)

Rotational (In-Kips/Rad) 1.00

Calculated Loads: Force (Kips)

-247.619 290.919 -209.891

Moment (In-Kips)

-.001 73001.410 98639.550

Calculated Displacements:

Translational (In)

-.0504 27.5582 -20.7902

Rotational (Rad)

-.00056 -.01448 -.01880

*** Pile Head Load And Deformation Report For Pile Joint 132 Load Case No. 5 ***

Allowable Modifier 2.000

X Y Z

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

Calculated Loads: Force (Kips) -682.811 287.817 -230.877
 Moment (In-Kips) -.001 78301.810 97191.200

Calculated Displacements: Translational (In) -.1802 27.4167 -21.9042
 Rotational (Rad) -.00078 -.01476 -.01864

*** Pile Head Load And Deformation Report For Pile Joint 142 Load Case No. 5 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	1376.566	308.015	24.290
	Moment (In-Kips)	.002	-10351.670	129109.100
Calculated Displacements:	Translational (In)	.4532	35.5797	2.7277
	Rotational (Rad)	.00222	.00175	-.02410

*** Pile Head Load And Deformation Report For Pile Joint 152 Load Case No. 5 ***

		Allowable Modifier	2.000		
			X	Y	Z
Specified Springs:	Translational (Kips/In)				
	Rotational (In-Kips/Rad)	1.00			
Calculated Loads:	Force (Kips)	515.551	-304.791	-43.435	
	Moment (In-Kips)	-.009	16482.130	-113283.500	
Calculated Displacements:	Translational (In)	.1755	-31.3589	-4.3545	
	Rotational (Rad)	-.00921	-.00288	.02190	

*** Pile Head Load And Deformation Report For Pile Joint 162 Load Case No. 5 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	2557.818	-196.662	162.465
	Moment (In-Kips)	-.007	-77173.250	-92958.310
Calculated Displacements:	Translational (In)	.8718	-25.3874	20.6848
	Rotational (Rad)	-.00713	.01444	.01813

*** Pile Head Load And Deformation Report For Pile Joint 172 Load Case No. 5 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	2300.890	-203.494	170.827
	Moment (In-Kips)	-.007	-78326.140	-93564.780
Calculated Displacements:	Translational (In)	.7763	-25.5489	21.5933
	Rotational (Rad)	-.00749	.01541	.01803

*** Pile Critical Load Case Report For Pile Joint Z00 - Critical Load Case 5 ***

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 (LBS)	Fy (KSI)			Axial	Bend. Total	
.00	33.71	140	-374.9	0.	351.5	140	139088.	139	33.00	16.49	36.0	-.44	39.42	.01	.73	.74
2.01	33.14	140	-380.1	0.	350.0	140	130390.	139	33.00	16.49	36.0	-.44	36.96	.01	.68	.69
4.02	32.53	140	-385.3	0.	348.4	140	121707.	139	33.00	16.49	36.0	-.45	34.50	.01	.64	.65
6.04	31.88	140	-390.5	0.	346.6	140	113044.	139	33.00	16.49	36.0	-.46	32.04	.01	.59	.60
8.05	31.19	140	-395.7	0.	344.7	140	104406.	139	33.00	16.49	36.0	-.46	29.59	.01	.55	.56
10.06	30.47	140	-400.9	0.	342.6	140	95796.	139	33.00	16.49	36.0	-.47	27.15	.01	.50	.51
12.07	29.71	140	-406.1	0.	340.4	140	87220.	139	33.00	16.49	36.0	-.47	24.72	.01	.46	.47
14.09	28.92	140	-411.3	0.	338.0	140	78682.	139	33.00	16.49	36.0	-.48	22.30	.01	.41	.42
16.10	28.10	140	-416.5	0.	335.5	140	70185.	139	33.00	16.49	36.0	-.49	19.89	.01	.37	.38
18.11	27.26	140	-421.7	0.	332.9	140	61734.	138	33.00	16.49	36.0	-.49	17.50	.01	.32	.34
20.12	26.40	140	-426.9	0.	330.2	140	53334.	138	33.00	16.49	36.0	-.50	15.12	.01	.28	.29
22.14	25.52	140	-432.1	0.	327.3	140	44988.	138	33.00	16.49	36.0	-.51	12.75	.01	.24	.25
24.15	24.62	140	-437.3	0.	324.3	140	36701.	138	33.00	16.49	36.0	-.51	10.40	.01	.19	.20
26.16	23.71	140	-442.5	0.	321.2	140	28479.	137	33.00	16.49	36.0	-.52	8.07	.01	.15	.16
28.17	22.79	140	-447.7	0.	318.0	140	20328.	136	33.00	16.49	36.0	-.52	5.76	.01	.11	.12
30.19	21.87	140	-452.9	0.	314.7	140	12260.	134	33.00	16.49	36.0	-.53	3.48	.01	.06	.08
32.20	20.94	140	-456.8	0.	305.4	139	4362.	123	33.00	16.49	36.0	-.53	1.24	.01	.02	.04
34.21	20.01	140	-459.4	0.	290.3	139	3839.	-20	33.00	16.49	36.0	-.54	1.09	.01	.02	.03
36.22	19.08	140	-461.9	0.	275.5	139	11134.	-33	33.00	16.49	36.0	-.54	3.16	.01	.06	.07
38.23	18.15	140	-464.5	0.	261.0	139	18187.	-36	33.00	16.49	36.0	-.54	5.16	.01	.10	.11
40.25	17.23	140	-467.0	0.	246.7	139	24904.	-37	33.00	16.49	36.0	-.55	7.06	.01	.13	.14
42.26	16.32	140	-469.6	0.	232.6	139	31279.	-37	33.00	16.49	36.0	-.55	8.87	.01	.16	.18
44.27	15.42	140	-472.2	0.	218.8	139	37314.	-38	33.00	16.49	36.0	-.55	10.58	.01	.20	.21
46.28	14.53	140	-474.8	0.	205.3	139	43014.	-38	33.00	16.49	36.0	-.56	12.19	.01	.23	.24
48.30	13.66	140	-477.5	0.	192.0	139	48382.	-38	33.00	16.49	36.0	-.56	13.71	.01	.25	.27
50.31	12.80	140	-480.1	0.	179.0	139	53426.	-38	33.00	16.49	36.0	-.56	15.14	.01	.28	.29
52.32	11.97	140	-482.8	0.	166.4	139	58150.	-38	33.00	16.49	36.0	-.56	16.48	.01	.31	.32
54.33	11.15	140	-485.4	0.	154.0	139	62561.	-38	33.00	16.49	36.0	-.57	17.73	.01	.33	.34
56.35	10.35	140	-488.1	0.	141.9	139	66665.	-39	33.00	16.49	36.0	-.57	18.90	.01	.35	.36
58.36	9.58	140	-490.8	0.	130.1	139	70468.	-39	33.00	16.49	36.0	-.57	19.97	.01	.37	.38
60.37	8.83	140	-493.5	0.	118.7	139	73977.	-39	33.00	16.49	36.0	-.58	20.97	.01	.39	.40
62.38	8.11	140	-496.3	0.	107.6	139	77199.	-39	33.00	16.49	36.0	-.58	21.88	.01	.41	.42
64.40	7.41	140	-499.0	0.	96.8	139	80142.	-39	33.00	16.49	36.0	-.58	22.72	.01	.42	.43
66.41	6.74	140	-501.8	0.	86.3	139	82811.	-39	33.00	16.49	36.0	-.59	23.47	.01	.43	.45
68.42	6.10	140	-504.5	0.	76.2	138	85215.	-39	33.00	16.49	36.0	-.59	24.15	.01	.45	.46
70.43	5.49	140	-507.3	0.	66.4	138	87362.	-39	33.00	16.49	36.0	-.59	24.76	.01	.46	.47
72.44	4.91	140	-510.1	0.	57.0	138	89260.	-39	33.00	16.49	36.0	-.60	25.30	.01	.47	.48
74.46	4.36	140	-512.9	0.	48.0	138	90916.	-39	33.00	16.49	36.0	-.60	25.77	.01	.48	.49
76.47	3.84	140	-515.8	0.	39.3	137	92339.	-39	33.00	16.49	36.0	-.60	26.17	.01	.48	.50
78.48	3.36	140	-518.6	0.	31.0	136	93539.	-39	33.00	16.49	36.0	-.61	26.51	.01	.49	.51
80.49	2.90	140	-521.5	0.	23.2	135	94523.	-39	33.00	16.49	36.0	-.61	26.79	.01	.50	.51
82.51	2.48	140	-524.3	0.	15.8	133	95301.	-39	33.00	16.49	36.0	-.61	27.01	.01	.50	.51
84.52	2.09	140	-527.2	0.	8.9	128	95885.	-39	33.00	16.49	36.0	-.62	27.18	.01	.50	.52
86.53	1.74	140	-530.1	0.	2.7	99	96283.	-39	33.00	16.49	36.0	-.62	27.29	.01	.51	.52
88.54	1.41	140	-533.0	0.	4.4	-16	96505.	-39	33.00	16.49	36.0	-.62	27.35	.01	.51	.52
90.56	1.12	140	-536.0	0.	9.9	-29	96560.	-39	33.00	16.49	36.0	-.63	27.37	.01	.51	.52
92.57	.87	140	-538.9	0.	15.1	-33	96461.	-39	33.00	16.49	36.0	-.63	27.34	.01	.51	.52
94.58	.65	140	-541.9	0.	19.9	-34	96218.	-39	33.00	16.49	36.0	-.63	27.27	.01	.51	.52
96.59	.46	140	-544.9	0.	24.1	-35	95843.	-39	33.00	16.49	36.0	-.64	27.17	.01	.50	.52
98.60	.30	140	-547.9	0.	27.7	-36	95348.	-39	33.00	16.49	36.0	-.64	27.03	.01	.50	.52

*** Pile Critical Load Case Report For Pile Joint 200 - Critical Load Case 5 ***

Dist. Along Pile (Ft)	Deflection		Axial		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
100.62	.18	140	-547.5	0.	340.1	-39	94747.	-39	33.00	16.49	36.0	-.64	26.86	.01	.50	.51
102.63	.09	140	-543.8	0.	652.1	-39	86584.	-39	33.00	16.49	36.0	-.64	24.54	.01	.45	.47
104.64	.03	139	-540.2	0.	745.1	-39	70870.	-39	33.00	16.49	36.0	-.63	20.09	.01	.37	.39
106.65	.01	-39	-536.6	0.	701.5	-39	52896.	-39	33.00	16.49	36.0	-.63	14.99	.01	.28	.29
108.67	.03	-39	-533.1	0.	585.9	-39	35965.	-39	33.00	16.49	36.0	-.62	10.19	.01	.19	.20
110.68	.04	-39	-529.7	0.	444.4	-39	21820.	-39	33.00	16.49	36.0	-.62	6.18	.01	.11	.13
112.69	.03	-39	-526.4	0.	306.8	-39	11086.	-39	33.00	16.49	36.0	-.62	3.14	.01	.06	.07
114.70	.03	-39	-523.1	0.	189.4	-39	3674.	-40	33.00	16.49	36.0	-.61	1.04	.01	.02	.03
116.72	.02	-39	-519.9	0.	98.9	-39	902.	140	33.00	16.49	36.0	-.61	.26	.01	.00	.02
118.73	.02	-39	-516.8	0.	35.4	-40	3293.	140	33.00	16.49	36.0	-.60	.93	.01	.02	.03
120.74	.01	-39	-513.7	0.	4.4	141	4151.	140	33.00	16.49	36.0	-.60	1.18	.01	.02	.04
122.75	.00	-39	-510.8	0.	25.7	140	4047.	140	33.00	16.49	36.0	-.60	1.15	.01	.02	.04
124.77	.00	-40	-507.8	0.	33.8	140	3428.	140	33.00	16.49	36.0	-.59	.97	.01	.02	.03
126.78	.00	0	-505.0	0.	33.6	140	2613.	140	33.00	16.49	36.0	-.59	.74	.01	.01	.03
128.79	.00	140	-502.2	0.	28.7	140	1803.	140	33.00	16.49	36.0	-.59	.51	.01	.01	.02
130.80	.00	140	-499.5	0.	22.0	140	1109.	140	33.00	16.49	36.0	-.58	.31	.01	.01	.02
132.81	.00	140	-496.9	0.	15.3	140	577.	140	33.00	16.49	36.0	-.58	.16	.01	.00	.02
134.83	.00	140	-494.3	0.	9.4	140	208.	139	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	139	139.	-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	179.	-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	113.	-39	33.00	16.49	36.0	-.56	.03	.01	.00	.01
148.91	.00	0	-478.1	0.	1.3	-39	76.	-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.	-40	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 5 ***

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
.00	33.38	-79	2145.4	0.	395.5	-79	116698.	-79	42.00	1.75	36.0	9.70	54.58	.22	1.01	1.24
2.00	32.81	-79	2142.4	0.	393.8	-79	108426.	-79	42.00	1.75	36.0	9.68	50.72	.22	.94	1.16
4.00	32.20	-79	2139.5	0.	391.9	-79	100297.	-79	42.00	1.75	36.0	9.67	46.91	.22	.87	1.09
6.00	31.54	-79	2136.5	0.	389.8	-79	92306.	-79	42.00	1.75	36.0	9.65	43.18	.22	.80	1.02
8.00	30.83	-79	2133.5	0.	387.6	-79	84449.	-79	42.00	1.75	36.0	9.64	39.50	.22	.73	.95
10.00	30.10	-79	2130.5	0.	385.2	-79	76723.	-79	42.00	1.75	36.0	9.63	35.89	.22	.66	.89
12.00	29.32	-79	2127.4	0.	382.7	-79	69124.	-79	42.00	1.75	36.0	9.61	32.33	.22	.60	.82
14.00	28.52	-79	2124.4	0.	380.1	-79	61648.	-79	42.00	1.75	36.0	9.60	28.84	.22	.53	.76
16.00	27.69	-79	2121.4	0.	377.2	-79	54291.	-79	42.00	1.75	36.0	9.59	25.39	.22	.47	.69
18.00	26.83	-79	2118.3	0.	374.3	-79	47051.	-79	42.00	1.75	36.0	9.57	22.01	.22	.41	.63
20.00	25.96	-79	2115.3	0.	371.2	-79	39923.	-79	42.00	1.75	36.0	9.56	18.67	.22	.35	.57
22.00	25.07	-79	2112.2	0.	368.0	-79	32904.	-79	42.00	1.75	36.0	9.55	15.39	.22	.29	.51
24.00	24.16	-79	2109.1	0.	364.6	-79	25990.	-79	42.00	1.75	36.0	9.53	12.16	.22	.23	.45
26.00	23.24	-79	2106.0	0.	361.2	-79	19178.	-79	42.00	1.75	36.0	9.52	8.97	.22	.17	.39
28.00	22.31	-79	2102.9	0.	357.6	-79	12464.	-79	42.00	1.75	36.0	9.50	5.83	.22	.11	.33
30.00	21.38	-79	2099.8	0.	353.9	-79	5844.	-79	42.00	1.75	36.0	9.49	2.73	.22	.05	.27
32.00	20.44	-79	2096.7	0.	350.2	-79	684.	101	42.00	1.75	36.0	9.48	.32	.22	.01	.23
34.00	19.51	-79	2090.1	0.	339.5	-79	7126.	100	42.00	1.75	36.0	9.45	3.33	.22	.06	.28
36.00	18.57	-79	2080.1	0.	322.4	-79	13325.	100	42.00	1.75	36.0	9.40	6.23	.22	.12	.33
38.00	17.65	-79	2069.9	0.	305.5	-79	19135.	100	42.00	1.75	36.0	9.35	8.95	.22	.17	.38
40.00	16.73	-79	2059.8	0.	289.0	-79	24567.	100	42.00	1.75	36.0	9.31	11.49	.22	.21	.43
42.00	15.82	-79	2049.5	0.	272.7	-79	29633.	100	42.00	1.75	36.0	9.26	13.86	.21	.26	.47
44.00	14.93	-79	2039.3	0.	256.8	-79	34346.	100	42.00	1.75	36.0	9.22	16.07	.21	.30	.51
46.00	14.05	-79	2028.9	0.	241.2	-79	38716.	100	42.00	1.75	36.0	9.17	18.11	.21	.34	.55
48.00	13.19	-79	2018.6	0.	225.9	-79	42756.	100	42.00	1.75	36.0	9.12	20.00	.21	.37	.58
50.00	12.34	-79	2008.1	0.	211.0	-79	46476.	100	42.00	1.75	36.0	9.07	21.74	.21	.40	.61
52.00	11.52	-79	1997.7	0.	196.4	-79	49887.	100	42.00	1.75	36.0	9.03	23.33	.21	.43	.64
54.00	10.72	-79	1987.1	0.	182.1	-79	53001.	100	42.00	1.75	36.0	8.98	24.79	.21	.46	.67
56.00	9.94	-79	1976.6	0.	168.2	-79	55827.	100	42.00	1.75	36.0	8.93	26.11	.21	.48	.69
58.00	9.19	-79	1965.9	0.	154.7	-79	58376.	100	42.00	1.75	36.0	8.88	27.31	.21	.51	.71
60.00	8.46	-79	1955.3	0.	141.5	-79	60660.	100	42.00	1.75	36.0	8.84	28.37	.20	.53	.73
62.00	7.76	-79	1944.6	0.	128.7	-79	62686.	100	42.00	1.75	36.0	8.79	29.32	.20	.54	.75
64.00	7.09	-79	1933.8	0.	116.3	-79	64468.	100	42.00	1.75	36.0	8.74	30.15	.20	.56	.76
66.00	6.45	-79	1923.2	0.	104.2	-79	66013.	100	42.00	1.75	36.0	8.69	30.88	.20	.57	.77
68.00	5.83	-79	1912.6	0.	92.6	-79	67333.	100	42.00	1.75	36.0	8.64	31.49	.20	.58	.78
70.00	5.25	-79	1902.1	0.	81.4	-79	68437.	100	42.00	1.75	36.0	8.60	32.01	.20	.59	.79
72.00	4.69	-79	1891.7	0.	70.6	-79	69336.	100	42.00	1.75	36.0	8.55	32.43	.20	.60	.80
74.00	4.17	-79	1881.4	0.	60.2	-79	70040.	100	42.00	1.75	36.0	8.50	32.76	.20	.61	.80
76.00	3.68	-79	1871.1	0.	50.3	-79	70558.	100	42.00	1.75	36.0	8.46	33.00	.20	.61	.81
78.00	3.22	-79	1860.9	0.	40.8	-79	70901.	100	42.00	1.75	36.0	8.41	33.16	.19	.61	.81
80.00	2.79	-79	1850.8	0.	31.8	-79	71080.	100	42.00	1.75	36.0	8.36	33.25	.19	.62	.81
82.00	2.39	-79	1840.8	0.	23.3	-79	71107.	100	42.00	1.75	36.0	8.32	33.26	.19	.62	.81
84.00	2.02	-79	1830.9	0.	15.1	-79	70969.	100	42.00	1.75	36.0	8.27	33.20	.19	.61	.81
86.00	1.69	-79	1821.0	0.	7.5	-79	70736.	100	42.00	1.75	36.0	8.23	33.09	.19	.61	.80
88.00	1.38	-79	1811.2	0.	.4	-83	70361.	100	42.00	1.75	36.0	8.18	32.91	.19	.61	.80
90.00	1.11	-79	1801.5	0.	6.3	100	69875.	100	42.00	1.75	36.0	8.14	32.68	.19	.61	.79
92.00	.86	-79	1791.9	0.	12.4	100	69286.	100	42.00	1.75	36.0	8.10	32.41	.19	.60	.79
94.00	.65	-79	1782.4	0.	18.0	100	68609.	100	42.00	1.75	36.0	8.05	32.09	.19	.59	.78
96.00	.47	-79	1773.0	0.	23.0	100	67854.	100	42.00	1.75	36.0	8.01	31.74	.19	.59	.77
98.00	.32	-79	1763.7	0.	27.3	100	67035.	100	42.00	1.75	36.0	7.97	31.36	.18	.58	.77

*** File Critical Load Case Report For Pile Joint 112 - Critical Load Case 5 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Value (In)	Angle (Deg)	(Kips)	(In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.20	-79	1754.5	0.	30.5	100	66164.	100	42.00	1.75	36.0	7.93	30.95	.18	.57	.76
102.00	.11	-79	1713.2	0.	398.9	100	65270.	100	42.00	1.75	36.0	7.74	30.53	.18	.57	.74
104.00	.04	-79	1672.8	0.	544.4	100	55587.	100	42.00	1.75	36.0	7.56	26.00	.17	.48	.66
106.00	.00	-79	1633.2	0.	546.8	100	42453.	100	42.00	1.75	36.0	7.38	19.96	.17	.37	.54
108.00	.02	100	1594.5	0.	470.2	100	29295.	100	42.00	1.75	36.0	7.21	13.70	.17	.25	.42
110.00	.03	100	1556.7	0.	361.2	100	17996.	100	42.00	1.75	36.0	7.03	8.42	.16	.16	.32
112.00	.03	100	1519.6	0.	250.1	100	9327.	100	42.00	1.75	36.0	6.87	4.36	.16	.08	.24
114.00	.02	100	1483.3	0.	153.8	100	3332.	100	42.00	1.75	36.0	6.70	1.56	.16	.03	.18
116.00	.02	100	1447.8	0.	79.6	100	350.	-79	42.00	1.75	36.0	6.54	.16	.15	.00	.15
118.00	.01	100	1413.1	0.	28.1	100	2252.	-79	42.00	1.75	36.0	6.39	1.05	.15	.02	.17
120.00	.01	100	1379.1	0.	3.5	-79	2920.	-79	42.00	1.75	36.0	6.23	1.37	.14	.03	.17
122.00	.00	100	1345.8	0.	19.8	-79	2830.	-79	42.00	1.75	36.0	6.08	1.32	.14	.02	.17
124.00	.00	100	1313.2	0.	25.4	-79	2352.	-79	42.00	1.75	36.0	5.93	1.10	.14	.02	.16
126.00	.00	-90	1281.3	0.	24.5	-79	1741.	-79	42.00	1.75	36.0	5.79	.81	.13	.02	.15
128.00	.00	-79	1250.0	0.	20.2	-79	1152.	-79	42.00	1.75	36.0	5.65	.54	.13	.01	.14
130.00	.00	-79	1219.4	0.	14.9	-79	666.	-79	42.00	1.75	36.0	5.51	.31	.13	.01	.13
132.00	.00	-79	1189.4	0.	9.8	-79	309.	-79	42.00	1.75	36.0	5.38	.14	.12	.00	.13
134.00	.00	-79	1160.1	0.	5.6	-79	75.	-79	42.00	1.75	36.0	5.24	.04	.12	.00	.12
136.00	.00	-79	1131.3	0.	2.5	-79	57.	100	42.00	1.75	36.0	5.11	.03	.12	.00	.12
138.00	.00	-90	1103.2	0.	.5	-79	117.	100	42.00	1.75	36.0	4.99	.05	.12	.00	.12
140.00	.00	-90	1075.6	0.	.6	100	129.	100	42.00	1.75	36.0	4.86	.06	.11	.00	.11
142.00	.00	0	1048.5	0.	1.1	100	114.	100	42.00	1.75	36.0	4.74	.05	.11	.00	.11
144.00	.00	0	1022.0	0.	1.2	100	88.	100	42.00	1.75	36.0	4.62	.04	.11	.00	.11
146.00	.00	0	996.1	0.	1.0	100	60.	100	42.00	1.75	36.0	4.50	.03	.10	.00	.10
148.00	.00	0	970.6	0.	.8	100	36.	100	42.00	1.75	36.0	4.39	.02	.10	.00	.10
150.00	.00	0	945.7	0.	.5	100	17.	100	42.00	1.75	36.0	4.27	.01	.10	.00	.10
152.00	.00	0	920.4	0.	.3	100	5.	100	42.00	1.75	36.0	4.16	.00	.10	.00	.10
154.00	.00	0	894.8	0.	.1	100	2.	-79	42.00	1.75	36.0	4.04	.00	.09	.00	.09
156.00	.00	0	869.7	0.	.0	100	5.	-79	42.00	1.75	36.0	3.93	.00	.09	.00	.09
158.00	.00	0	845.1	0.	.0	-79	6.	-79	42.00	1.75	36.0	3.82	.00	.09	.00	.09
160.00	.00	0	821.0	0.	.1	-79	5.	-79	42.00	1.75	36.0	3.71	.00	.09	.00	.09
162.00	.00	0	797.3	0.	.1	-79	3.	-79	42.00	1.75	36.0	3.60	.00	.08	.00	.08
164.00	.00	0	774.1	0.	.0	-79	2.	-79	42.00	1.75	36.0	3.50	.00	.08	.00	.08
166.00	.00	0	751.3	0.	.0	-79	1.	-79	42.00	1.75	36.0	3.39	.00	.08	.00	.08
168.00	.00	0	728.9	0.	.0	-79	0.	-79	42.00	1.75	36.0	3.29	.00	.08	.00	.08
170.00	.00	0	707.0	0.	.0	-79	0.	-79	42.00	1.50	36.0	3.70	.00	.09	.00	.09
172.00	.00	0	685.7	0.	.0	-79	0.	100	42.00	1.50	36.0	3.59	.00	.08	.00	.08
174.00	.00	0	664.8	0.	.0	100	0.	100	42.00	1.50	36.0	3.48	.00	.08	.00	.08
176.00	.00	0	644.3	0.	.0	100	0.	100	42.00	1.50	36.0	3.38	.00	.08	.00	.08
178.00	.00	0	624.3	0.	.0	100	0.	100	42.00	1.50	36.0	3.27	.00	.08	.00	.08
180.00	.00	0	604.8	0.	.0	100	0.	100	42.00	1.25	36.0	3.78	.00	.09	.00	.09
182.00	.00	0	585.8	0.	.0	100	0.	100	42.00	1.25	36.0	3.66	.00	.08	.00	.08
184.00	.00	0	567.3	0.	.0	100	0.	100	42.00	1.25	36.0	3.55	.00	.08	.00	.08
186.00	.00	0	549.2	0.	.0	90	0.	-79	42.00	1.25	36.0	3.43	.00	.08	.00	.08
188.00	.00	0	531.6	0.	.0	0	0.	-79	42.00	1.25	36.0	3.32	.00	.08	.00	.08
190.00	.00	0	514.5	0.	.0	0	0.	-79	42.00	1.00	36.0	3.99	.00	.09	.00	.09
192.00	.00	0	497.9	0.	.0	-90	0.	-79	42.00	1.00	36.0	3.87	.00	.09	.00	.09
194.00	.00	0	481.9	0.	.0	0	0.	-79	42.00	1.00	36.0	3.74	.00	.09	.00	.09
196.00	.00	0	466.3	0.	.0	0	0.	-79	42.00	1.00	36.0	3.62	.00	.08	.00	.08
198.00	.00	0	451.1	0.	.0	0	0.	-79	42.00	1.00	36.0	3.50	.00	.08	.00	.08

*** Pile Critical Load Case Report For Pile Joint 122 - Critical Load Case 5 ***

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)	(KSI)	(KSI)	Axial	Bend.	Total
.00	34.52	-37	247.4	0.	349.9	-36	122714.	-36	42.00	1.75	36.0	1.12	57.40	.03	1.06	1.09
2.00	33.92	-37	245.5	0.	348.2	-36	114465.	-36	42.00	1.75	36.0	1.11	53.54	.03	.99	1.02
4.00	33.28	-37	243.6	0.	346.3	-36	106268.	-36	42.00	1.75	36.0	1.10	49.71	.03	.92	.95
6.00	32.58	-37	241.8	0.	344.2	-36	98127.	-36	42.00	1.75	36.0	1.09	45.90	.03	.85	.88
8.00	31.85	-36	239.9	0.	342.0	-36	90045.	-36	42.00	1.75	36.0	1.08	42.12	.03	.78	.81
10.00	31.07	-36	238.0	0.	339.6	-36	82025.	-36	42.00	1.75	36.0	1.08	38.37	.02	.71	.74
12.00	30.26	-36	236.2	0.	337.0	-36	74069.	-36	42.00	1.75	36.0	1.07	34.65	.02	.64	.67
14.00	29.41	-36	234.3	0.	334.3	-36	66181.	-36	42.00	1.75	36.0	1.06	30.96	.02	.57	.60
16.00	28.54	-36	232.5	0.	331.5	-36	58363.	-36	42.00	1.75	36.0	1.05	27.30	.02	.51	.53
18.00	27.64	-36	230.6	0.	328.5	-36	50617.	-36	42.00	1.75	36.0	1.04	23.68	.02	.44	.46
20.00	26.71	-36	228.8	0.	325.4	-36	42947.	-36	42.00	1.75	36.0	1.03	20.09	.02	.37	.40
22.00	25.77	-36	227.0	0.	322.1	-36	35355.	-35	42.00	1.75	36.0	1.03	16.54	.02	.31	.33
24.00	24.81	-36	225.1	0.	318.8	-36	27842.	-35	42.00	1.75	36.0	1.02	13.02	.02	.24	.26
26.00	23.84	-36	223.3	0.	315.3	-36	20412.	-35	42.00	1.75	36.0	1.01	9.55	.02	.18	.20
28.00	22.86	-36	221.5	0.	311.7	-36	13068.	-34	42.00	1.75	36.0	1.00	6.11	.02	.11	.14
30.00	21.88	-36	219.7	0.	308.0	-36	5819.	-31	42.00	1.75	36.0	.99	2.72	.02	.05	.07
32.00	20.89	-36	217.9	0.	304.2	-36	1467.	123	42.00	1.75	36.0	.98	.69	.02	.01	.04
34.00	19.90	-36	215.6	0.	299.5	-36	8476.	139	42.00	1.75	36.0	.97	3.96	.02	.07	.10
36.00	18.92	-36	212.6	0.	276.2	-36	15300.	141	42.00	1.75	36.0	.96	7.16	.02	.13	.15
38.00	17.94	-36	209.7	0.	259.3	-36	21718.	141	42.00	1.75	36.0	.95	10.16	.02	.19	.21
40.00	16.97	-36	206.8	0.	242.6	-36	27736.	142	42.00	1.75	36.0	.93	12.97	.02	.24	.26
42.00	16.02	-36	204.0	0.	226.3	-36	33361.	142	42.00	1.75	36.0	.92	15.60	.02	.29	.31
44.00	15.08	-36	201.2	0.	210.3	-36	38600.	142	42.00	1.75	36.0	.91	18.06	.02	.33	.36
46.00	14.16	-36	198.4	0.	194.7	-36	43462.	142	42.00	1.75	36.0	.90	20.33	.02	.38	.40
48.00	13.25	-36	195.6	0.	179.4	-36	47955.	142	42.00	1.75	36.0	.88	22.43	.02	.42	.44
50.00	12.37	-36	192.9	0.	164.4	-36	52087.	142	42.00	1.75	36.0	.87	24.36	.02	.45	.47
52.00	11.51	-36	190.2	0.	149.8	-36	55867.	142	42.00	1.75	36.0	.86	26.13	.02	.48	.50
54.00	10.67	-36	187.5	0.	135.6	-36	59304.	142	42.00	1.75	36.0	.85	27.74	.02	.51	.53
56.00	9.86	-36	184.9	0.	121.7	-36	62406.	142	42.00	1.75	36.0	.84	29.19	.02	.54	.56
58.00	9.08	-36	182.3	0.	108.2	-36	65183.	142	42.00	1.75	36.0	.82	30.49	.02	.56	.58
60.00	8.33	-36	179.7	0.	95.1	-36	67643.	142	42.00	1.75	36.0	.81	31.64	.02	.59	.60
62.00	7.61	-36	177.2	0.	82.4	-36	69796.	142	42.00	1.75	36.0	.80	32.65	.02	.60	.62
64.00	6.92	-36	174.6	0.	70.1	-36	71651.	142	42.00	1.75	36.0	.79	33.51	.02	.62	.64
66.00	6.26	-36	172.1	0.	58.2	-36	73217.	142	42.00	1.75	36.0	.78	34.25	.02	.63	.65
68.00	5.63	-36	169.7	0.	46.7	-35	74505.	142	42.00	1.75	36.0	.77	34.85	.02	.65	.66
70.00	5.03	-36	167.2	0.	35.7	-35	75525.	143	42.00	1.75	36.0	.76	35.33	.02	.65	.67
72.00	4.47	-36	164.8	0.	25.0	-35	76287.	143	42.00	1.75	36.0	.74	35.68	.02	.66	.68
74.00	3.95	-36	162.4	0.	14.8	-34	76800.	143	42.00	1.75	36.0	.73	35.92	.02	.67	.68
76.00	3.45	-36	160.0	0.	5.2	-28	77076.	143	42.00	1.75	36.0	.72	36.05	.02	.67	.68
78.00	2.99	-36	157.7	0.	4.1	133	77126.	143	42.00	1.75	36.0	.71	36.07	.02	.67	.68
80.00	2.57	-36	155.4	0.	12.8	140	76961.	143	42.00	1.75	36.0	.70	36.00	.02	.67	.68
82.00	2.18	-36	153.1	0.	21.2	141	76593.	143	42.00	1.75	36.0	.69	35.83	.02	.66	.68
84.00	1.82	-36	150.8	0.	29.0	141	76029.	143	42.00	1.75	36.0	.68	35.56	.02	.66	.67
86.00	1.49	-36	148.6	0.	36.3	142	75284.	143	42.00	1.75	36.0	.67	35.21	.02	.65	.67
88.00	1.20	-36	146.3	0.	43.2	142	74369.	143	42.00	1.75	36.0	.66	34.79	.02	.64	.66
90.00	.95	-36	144.1	0.	49.5	142	73296.	143	42.00	1.75	36.0	.65	34.28	.02	.63	.65
92.00	.72	-36	142.0	0.	55.2	142	72076.	143	42.00	1.75	36.0	.64	33.71	.01	.62	.64
94.00	.53	-36	139.8	0.	60.4	142	70724.	143	42.00	1.75	36.0	.63	33.08	.01	.61	.63
96.00	.36	-36	137.7	0.	65.0	142	69251.	143	42.00	1.75	36.0	.62	32.39	.01	.60	.61
98.00	.23	-36	135.5	0.	68.7	142	67674.	143	42.00	1.75	36.0	.61	31.65	.01	.59	.60

*** Pile Critical Load Case Report For Pile Joint 122 - Critical Load Case 5 ***

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)	(Kips)	(In-Kips)	(Kips)	(Deg)	(In-Kips)	(Deg)	OD /-- (In)	WT --/----- ()	Fy (KSI)	-----/	-----/	Axial /-----/	Bend. /-----/	Total /-----/
100.00	.13	-36	132.8	0.	300.4	143	66012.	143	42.00	1.75	36.0	.60	30.88	.01	.57	.59
102.00	.06	-36	129.3	0.	510.7	143	58793.	143	42.00	1.75	36.0	.58	27.50	.01	.51	.52
104.00	.01	-36	126.0	0.	553.2	143	46529.	143	42.00	1.75	36.0	.57	21.76	.01	.40	.42
106.00	.02	143	122.7	0.	497.5	143	33249.	143	42.00	1.75	36.0	.55	15.55	.01	.29	.30
108.00	.03	143	119.5	0.	395.8	143	21308.	143	42.00	1.75	36.0	.54	9.97	.01	.18	.20
110.00	.03	143	116.3	0.	283.6	143	11809.	143	42.00	1.75	36.0	.53	5.52	.01	.10	.11
112.00	.03	143	113.2	0.	181.8	143	5003.	143	42.00	1.75	36.0	.51	2.34	.01	.04	.06
114.00	.02	143	110.2	0.	100.5	143	639.	143	42.00	1.75	36.0	.50	.30	.01	.01	.02
116.00	.01	143	107.2	0.	42.1	143	1771.	-36	42.00	1.75	36.0	.48	.83	.01	.02	.03
118.00	.01	143	104.3	0.	4.7	143	2781.	-36	42.00	1.75	36.0	.47	1.30	.01	.02	.04
120.00	.00	143	101.4	0.	15.9	-36	2893.	-36	42.00	1.75	36.0	.46	1.35	.01	.03	.04
122.00	.00	143	98.6	0.	24.4	-36	2511.	-36	42.00	1.75	36.0	.45	1.17	.01	.02	.03
124.00	.00	143	95.8	0.	25.2	-36	1926.	-36	42.00	1.75	36.0	.43	.90	.01	.02	.03
126.00	.00	-36	93.1	0.	21.7	-36	1322.	-36	42.00	1.75	36.0	.42	.62	.01	.01	.02
128.00	.00	-36	90.5	0.	16.5	-36	801.	-36	42.00	1.75	36.0	.41	.37	.01	.01	.02
130.00	.00	-36	87.8	0.	11.2	-36	405.	-36	42.00	1.75	36.0	.40	.19	.01	.00	.01
132.00	.00	-36	85.3	0.	6.7	-36	135.	-36	42.00	1.75	36.0	.39	.06	.01	.00	.01
134.00	.00	-36	82.7	0.	3.3	-36	25.	142	42.00	1.75	36.0	.37	.01	.01	.00	.01
136.00	.00	-36	80.2	0.	1.0	-36	104.	143	42.00	1.75	36.0	.36	.05	.01	.00	.01
138.00	.00	-36	77.8	0.	.3	142	128.	143	42.00	1.75	36.0	.35	.06	.01	.00	.01
140.00	.00	-36	75.4	0.	1.0	143	120.	143	42.00	1.75	36.0	.34	.06	.01	.00	.01
142.00	.00	0	73.0	0.	1.2	143	96.	143	42.00	1.75	36.0	.33	.05	.01	.00	.01
144.00	.00	0	70.7	0.	1.1	143	68.	143	42.00	1.75	36.0	.32	.03	.01	.00	.01
146.00	.00	0	68.4	0.	.9	143	43.	143	42.00	1.75	36.0	.31	.02	.01	.00	.01
148.00	.00	0	66.1	0.	.6	143	22.	143	42.00	1.75	36.0	.30	.01	.01	.00	.01
150.00	.00	0	63.9	0.	.4	143	8.	143	42.00	1.75	36.0	.29	.00	.01	.00	.01
152.00	.00	0	61.6	0.	.2	143	0.	-37	42.00	1.75	36.0	.28	.00	.01	.00	.01
154.00	.00	0	59.4	0.	.0	143	5.	-36	42.00	1.75	36.0	.27	.00	.01	.00	.01
156.00	.00	0	57.3	0.	.0	-36	6.	-36	42.00	1.75	36.0	.26	.00	.01	.00	.01
158.00	.00	0	55.1	0.	.1	-36	5.	-36	42.00	1.75	36.0	.25	.00	.01	.00	.01
160.00	.00	0	53.0	0.	.1	-36	4.	-36	42.00	1.75	36.0	.24	.00	.01	.00	.01
162.00	.00	0	50.9	0.	.0	-36	2.	-36	42.00	1.75	36.0	.23	.00	.01	.00	.01
164.00	.00	0	48.9	0.	.0	-36	1.	-36	42.00	1.75	36.0	.22	.00	.01	.00	.01
166.00	.00	0	46.9	0.	.0	-36	0.	-36	42.00	1.75	36.0	.21	.00	.00	.00	.00
168.00	.00	0	44.9	0.	.0	-36	0.	-36	42.00	1.75	36.0	.20	.00	.00	.00	.00
170.00	.00	0	43.0	0.	.0	-36	0.	143	42.00	1.50	36.0	.23	.00	.01	.00	.01
172.00	.00	0	41.2	0.	.0	142	0.	143	42.00	1.50	36.0	.22	.00	.01	.00	.01
174.00	.00	0	39.5	0.	.0	143	0.	143	42.00	1.50	36.0	.21	.00	.00	.00	.00
176.00	.00	0	37.8	0.	.0	143	0.	143	42.00	1.50	36.0	.20	.00	.00	.00	.00
178.00	.00	0	36.2	0.	.0	143	0.	143	42.00	1.50	36.0	.19	.00	.00	.00	.00
180.00	.00	0	34.6	0.	.0	143	0.	143	42.00	1.25	36.0	.22	.00	.01	.00	.01
182.00	.00	0	33.2	0.	.0	143	0.	143	42.00	1.25	36.0	.21	.00	.00	.00	.00
184.00	.00	0	31.9	0.	.0	143	0.	143	42.00	1.25	36.0	.20	.00	.00	.00	.00
186.00	.00	0	30.5	0.	.0	0	0.	-36	42.00	1.25	36.0	.19	.00	.00	.00	.00
188.00	.00	0	29.2	0.	.0	0	0.	-36	42.00	1.25	36.0	.18	.00	.00	.00	.00
190.00	.00	0	28.0	0.	.0	0	0.	-36	42.00	1.00	36.0	.22	.00	.01	.00	.01
192.00	.00	0	26.9	0.	.0	0	0.	-36	42.00	1.00	36.0	.21	.00	.00	.00	.00
194.00	.00	0	25.9	0.	.0	0	0.	-36	42.00	1.00	36.0	.20	.00	.00	.00	.00
196.00	.00	0	24.9	0.	.0	0	0.	-36	42.00	1.00	36.0	.19	.00	.00	.00	.00
198.00	.00	0	23.9	0.	.0	0	0.	-36	42.00	1.00	36.0	.19	.00	.00	.00	.00

*** Pile Critical Load Case Report For Pile Joint 122 - Critical Load Case 5 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bonding Stress	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	
200.00	.00	0	22.9	0.	.0	0	0.	143	42.00	1.00	36.0	.18	.00	.00	.00	.00
202.00	.00	0	21.9	0.	.0	0	0.	143	42.00	1.00	36.0	.17	.00	.00	.00	.00
204.00	.00	0	21.0	0.	.0	0	0.	143	42.00	1.00	36.0	.16	.00	.00	.00	.00
206.00	.00	0	20.1	0.	.0	0	0.	143	42.00	1.00	36.0	.16	.00	.00	.00	.00
208.00	.00	0	19.2	0.	.0	0	0.	-180	42.00	1.00	36.0	.15	.00	.00	.00	.00
210.00	.00	0	18.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.14	.00	.00	.00	.00
212.00	.00	0	17.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.14	.00	.00	.00	.00
214.00	.00	0	16.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.13	.00	.00	.00	.00
216.00	.00	0	15.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.12	.00	.00	.00	.00
218.00	.00	0	15.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.12	.00	.00	.00	.00
220.00	.00	0	14.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.11	.00	.00	.00	.00
222.00	.00	0	13.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.11	.00	.00	.00	.00
224.00	.00	0	12.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.10	.00	.00	.00	.00
226.00	.00	0	12.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
228.00	.00	0	11.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
230.00	.00	0	10.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.08	.00	.00	.00	.00
232.00	.00	0	10.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.08	.00	.00	.00	.00
234.00	.00	0	9.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.07	.00	.00	.00	.00
236.00	.00	0	8.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.07	.00	.00	.00	.00
238.00	.00	0	8.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.06	.00	.00	.00	.00
240.00	.00	0	7.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.06	.00	.00	.00	.00
242.00	.00	0	7.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
244.00	.00	0	6.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
246.00	.00	0	5.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
248.00	.00	0	5.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.04	.00	.00	.00	.00
250.00	.00	0	4.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.04	.00	.00	.00	.00
252.00	.00	0	4.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.03	.00	.00	.00	.00
254.00	.00	0	3.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.03	.00	.00	.00	.00
256.00	.00	0	3.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.02	.00	.00	.00	.00
258.00	.00	0	2.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.02	.00	.00	.00	.00
260.00	.00	0	2.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.02	.00	.00	.00	.00
262.00	.00	0	1.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.01	.00	.00	.00	.00
264.00	.00	0	1.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.01	.00	.00	.00	.00
266.00	.00	0	.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.00	.00	.00	.00	.00
268.00	.00	0	-.1	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 5 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		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
.00	35.09	-38	682.3	0.	368.2	-38	124809.	-38	42.00	1.75	36.0	3.08	58.38	.07	1.08	1.15
2.00	34.49	-38	679.7	0.	366.5	-38	116380.	-38	42.00	1.75	36.0	3.07	54.44	.07	1.01	1.08
4.00	33.85	-38	677.1	0.	364.5	-38	108026.	-38	42.00	1.75	36.0	3.06	50.53	.07	.94	1.01
6.00	33.15	-38	674.6	0.	362.5	-38	99749.	-38	42.00	1.75	36.0	3.05	46.66	.07	.86	.93
8.00	32.41	-38	672.0	0.	360.2	-38	91550.	-38	42.00	1.75	36.0	3.04	42.82	.07	.79	.86
10.00	31.63	-38	669.5	0.	357.8	-38	83431.	-38	42.00	1.75	36.0	3.03	39.02	.07	.72	.79
12.00	30.81	-38	667.0	0.	355.2	-38	75391.	-38	42.00	1.75	36.0	3.01	35.26	.07	.65	.72
14.00	29.96	-38	664.4	0.	352.5	-38	67434.	-38	42.00	1.75	36.0	3.00	31.54	.07	.58	.65
16.00	29.07	-38	661.9	0.	349.7	-38	59559.	-38	42.00	1.75	36.0	2.99	27.86	.07	.52	.59
18.00	28.17	-38	659.4	0.	346.7	-38	51768.	-39	42.00	1.75	36.0	2.98	24.21	.07	.45	.52
20.00	27.24	-38	657.0	0.	343.5	-38	44062.	-39	42.00	1.75	36.0	2.97	20.61	.07	.38	.45
22.00	26.29	-38	654.5	0.	340.3	-38	36442.	-39	42.00	1.75	36.0	2.96	17.05	.07	.32	.38
24.00	25.32	-38	652.0	0.	336.9	-38	28909.	-39	42.00	1.75	36.0	2.95	13.52	.07	.25	.32
26.00	24.34	-38	649.5	0.	333.4	-38	21463.	-39	42.00	1.75	36.0	2.94	10.04	.07	.19	.25
28.00	23.35	-38	647.1	0.	329.7	-38	14106.	-39	42.00	1.75	36.0	2.92	6.60	.07	.12	.19
30.00	22.36	-38	644.7	0.	326.0	-38	6838.	-40	42.00	1.75	36.0	2.91	3.20	.07	.06	.13
32.00	21.36	-38	642.2	0.	322.2	-38	411.	174	42.00	1.75	36.0	2.90	.19	.07	.00	.07
34.00	20.36	-38	637.9	0.	311.4	-38	7439.	142	42.00	1.75	36.0	2.88	3.48	.07	.06	.13
36.00	19.36	-38	631.6	0.	294.0	-38	14276.	142	42.00	1.75	36.0	2.85	6.68	.07	.12	.19
38.00	18.38	-38	625.4	0.	276.9	-38	20707.	141	42.00	1.75	36.0	2.83	9.69	.07	.18	.24
40.00	17.40	-38	619.3	0.	260.2	-38	26740.	141	42.00	1.75	36.0	2.80	12.51	.06	.23	.30
42.00	16.43	-38	613.2	0.	243.7	-38	32384.	141	42.00	1.75	36.0	2.77	15.15	.06	.28	.34
44.00	15.48	-38	607.2	0.	227.6	-38	37648.	141	42.00	1.75	36.0	2.74	17.61	.06	.33	.39
46.00	14.54	-38	601.2	0.	211.8	-38	42541.	141	42.00	1.75	36.0	2.72	19.90	.06	.37	.43
48.00	13.62	-38	595.3	0.	196.3	-38	47072.	141	42.00	1.75	36.0	2.69	22.02	.06	.41	.47
50.00	12.73	-38	589.5	0.	181.2	-38	51250.	141	42.00	1.75	36.0	2.66	23.97	.06	.44	.51
52.00	11.85	-38	583.8	0.	166.5	-38	55084.	141	42.00	1.75	36.0	2.64	25.77	.06	.48	.54
54.00	11.00	-38	578.1	0.	152.1	-38	58584.	141	42.00	1.75	36.0	2.61	27.40	.06	.51	.57
56.00	10.18	-38	572.4	0.	138.1	-38	61758.	141	42.00	1.75	36.0	2.59	28.89	.06	.53	.59
58.00	9.38	-38	566.9	0.	124.5	-38	64616.	141	42.00	1.75	36.0	2.56	30.22	.06	.56	.62
60.00	8.61	-38	561.4	0.	111.2	-38	67168.	141	42.00	1.75	36.0	2.54	31.42	.06	.58	.64
62.00	7.87	-38	555.9	0.	98.3	-38	69422.	141	42.00	1.75	36.0	2.51	32.47	.06	.60	.66
64.00	7.17	-38	550.6	0.	85.9	-38	71389.	141	42.00	1.75	36.0	2.49	33.39	.06	.62	.68
66.00	6.49	-38	545.2	0.	73.8	-38	73078.	141	42.00	1.75	36.0	2.46	34.18	.06	.63	.69
68.00	5.85	-38	540.0	0.	62.2	-38	74498.	141	42.00	1.75	36.0	2.44	34.85	.06	.65	.70
70.00	5.23	-38	534.8	0.	51.0	-39	75661.	141	42.00	1.75	36.0	2.42	35.39	.06	.66	.71
72.00	4.66	-38	529.6	0.	40.2	-39	76576.	141	42.00	1.75	36.0	2.39	35.82	.06	.66	.72
74.00	4.11	-38	524.5	0.	29.9	-39	77254.	141	42.00	1.75	36.0	2.37	36.13	.05	.67	.72
76.00	3.60	-38	519.5	0.	20.1	-39	77704.	141	42.00	1.75	36.0	2.35	36.35	.05	.67	.73
78.00	3.13	-38	514.5	0.	10.7	-40	77938.	141	42.00	1.75	36.0	2.33	36.45	.05	.68	.73
80.00	2.69	-38	509.6	0.	1.8	-48	77968.	141	42.00	1.75	36.0	2.30	36.47	.05	.68	.73
82.00	2.28	-38	504.8	0.	6.7	143	77804.	141	42.00	1.75	36.0	2.28	36.39	.05	.67	.73
84.00	1.91	-38	500.0	0.	14.6	142	77457.	141	42.00	1.75	36.0	2.26	36.23	.05	.67	.72
86.00	1.57	-38	495.2	0.	22.1	142	76936.	141	42.00	1.75	36.0	2.24	35.99	.05	.67	.72
88.00	1.27	-38	490.5	0.	29.0	141	76256.	141	42.00	1.75	36.0	2.22	35.67	.05	.66	.71
90.00	1.00	-38	485.9	0.	35.5	141	75428.	141	42.00	1.75	36.0	2.20	35.28	.05	.65	.70
92.00	.76	-38	481.3	0.	41.3	141	74462.	141	42.00	1.75	36.0	2.18	34.83	.05	.64	.70
94.00	.56	-38	476.8	0.	46.6	141	73373.	141	42.00	1.75	36.0	2.15	34.32	.05	.64	.69
96.00	.39	-38	472.3	0.	51.3	141	72172.	141	42.00	1.75	36.0	2.13	33.76	.05	.63	.67
98.00	.25	-38	467.9	0.	55.2	141	70876.	141	42.00	1.75	36.0	2.11	33.15	.05	.61	.66

*** Pile Critical Load Case Report For Pile Joint 132 - Critical Load Case 5 ***

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 (LBS)	Fy (KSI)			Axial	Bend.	Total
100.00	.14	-38	460.0	0.	304.1	141	69501.	141	42.00	1.75	36.0	2.08	32.51	.05	.60	.65
102.00	.06	-38	449.0	0.	532.6	141	62167.	141	42.00	1.75	36.0	2.03	29.08	.05	.54	.59
104.00	.01	-38	438.2	0.	581.8	141	49363.	141	42.00	1.75	36.0	1.98	23.09	.05	.43	.47
106.00	.02	141	427.6	0.	525.7	141	35386.	141	42.00	1.75	36.0	1.93	16.55	.04	.31	.35
108.00	.03	141	417.2	0.	419.8	141	22764.	141	42.00	1.75	36.0	1.89	10.65	.04	.20	.24
110.00	.03	141	407.1	0.	301.8	141	12688.	141	42.00	1.75	36.0	1.84	5.93	.04	.11	.15
112.00	.03	141	397.1	0.	194.3	141	5446.	141	42.00	1.75	36.0	1.79	2.55	.04	.05	.09
114.00	.02	141	387.4	0.	108.0	141	785.	141	42.00	1.75	36.0	1.75	.37	.04	.01	.05
116.00	.02	141	377.9	0.	45.9	141	1804.	-38	42.00	1.75	36.0	1.71	.84	.04	.02	.06
118.00	.01	141	368.5	0.	5.9	141	2904.	-38	42.00	1.75	36.0	1.67	1.36	.04	.03	.06
120.00	.01	141	359.4	0.	16.2	-38	3045.	-38	42.00	1.75	36.0	1.62	1.42	.04	.03	.06
122.00	.00	141	350.4	0.	25.5	-38	2655.	-38	42.00	1.75	36.0	1.58	1.24	.04	.02	.06
124.00	.00	141	341.6	0.	26.5	-38	2044.	-38	42.00	1.75	36.0	1.54	.96	.04	.02	.05
126.00	.00	-38	333.0	0.	22.9	-38	1408.	-38	42.00	1.75	36.0	1.51	.66	.03	.01	.05
128.00	.00	-38	324.6	0.	17.5	-38	857.	-38	42.00	1.75	36.0	1.47	.40	.03	.01	.04
130.00	.00	-38	316.4	0.	12.0	-38	436.	-38	42.00	1.75	36.0	1.43	.20	.03	.00	.04
132.00	.00	-38	308.3	0.	7.2	-38	149.	-38	42.00	1.75	36.0	1.39	.07	.03	.00	.03
134.00	.00	-38	300.3	0.	3.6	-38	22.	141	42.00	1.75	36.0	1.36	.01	.03	.00	.03
136.00	.00	-38	292.5	0.	1.1	-38	108.	141	42.00	1.75	36.0	1.32	.05	.03	.00	.03
138.00	.00	-38	284.9	0.	.3	141	134.	141	42.00	1.75	36.0	1.29	.06	.03	.00	.03
140.00	.00	-38	277.4	0.	1.0	141	125.	141	42.00	1.75	36.0	1.25	.06	.03	.00	.03
142.00	.00	0	270.1	0.	1.2	141	102.	141	42.00	1.75	36.0	1.22	.05	.03	.00	.03
144.00	.00	0	262.9	0.	1.1	141	73.	141	42.00	1.75	36.0	1.19	.03	.03	.00	.03
146.00	.00	0	255.9	0.	.9	141	45.	141	42.00	1.75	36.0	1.16	.02	.03	.00	.03
148.00	.00	0	248.9	0.	.6	141	24.	141	42.00	1.75	36.0	1.12	.01	.03	.00	.03
150.00	.00	0	241.9	0.	.4	141	8.	141	42.00	1.75	36.0	1.09	.00	.03	.00	.03
152.00	.00	0	234.9	0.	.2	141	0.	-38	42.00	1.75	36.0	1.06	.00	.02	.00	.02
154.00	.00	0	228.0	0.	.0	141	5.	-38	42.00	1.75	36.0	1.03	.00	.02	.00	.02
156.00	.00	0	221.2	0.	.0	-38	6.	-38	42.00	1.75	36.0	1.00	.00	.02	.00	.02
158.00	.00	0	214.5	0.	.1	-38	5.	-38	42.00	1.75	36.0	.97	.00	.02	.00	.02
160.00	.00	0	208.0	0.	.1	-38	4.	-38	42.00	1.75	36.0	.94	.00	.02	.00	.02
162.00	.00	0	201.6	0.	.1	-38	2.	-38	42.00	1.75	36.0	.91	.00	.02	.00	.02
164.00	.00	0	195.3	0.	.0	-38	1.	-38	42.00	1.75	36.0	.88	.00	.02	.00	.02
166.00	.00	0	189.0	0.	.0	-38	0.	-38	42.00	1.75	36.0	.85	.00	.02	.00	.02
168.00	.00	0	182.9	0.	.0	-38	0.	-38	42.00	1.75	36.0	.83	.00	.02	.00	.02
170.00	.00	0	177.1	0.	.0	-38	0.	141	42.00	1.50	36.0	.93	.00	.02	.00	.02
172.00	.00	0	171.4	0.	.0	141	0.	141	42.00	1.50	36.0	.90	.00	.02	.00	.02
174.00	.00	0	165.8	0.	.0	141	0.	141	42.00	1.50	36.0	.87	.00	.02	.00	.02
176.00	.00	0	160.3	0.	.0	141	0.	141	42.00	1.50	36.0	.84	.00	.02	.00	.02
178.00	.00	0	155.0	0.	.0	141	0.	141	42.00	1.50	36.0	.81	.00	.02	.00	.02
180.00	.00	0	149.8	0.	.0	141	0.	141	42.00	1.25	36.0	.94	.00	.02	.00	.02
182.00	.00	0	144.9	0.	.0	141	0.	141	42.00	1.25	36.0	.91	.00	.02	.00	.02
184.00	.00	0	140.1	0.	.0	141	0.	141	42.00	1.25	36.0	.88	.00	.02	.00	.02
186.00	.00	0	135.4	0.	.0	0	0.	-38	42.00	1.25	36.0	.85	.00	.02	.00	.02
188.00	.00	0	130.8	0.	.0	0	0.	-38	42.00	1.25	36.0	.82	.00	.02	.00	.02
190.00	.00	0	126.4	0.	.0	0	0.	-38	42.00	1.00	36.0	.98	.00	.02	.00	.02
192.00	.00	0	122.2	0.	.0	0	0.	-38	42.00	1.00	36.0	.95	.00	.02	.00	.02
194.00	.00	0	118.1	0.	.0	0	0.	-38	42.00	1.00	36.0	.92	.00	.02	.00	.02
196.00	.00	0	114.2	0.	.0	0	0.	-38	42.00	1.00	36.0	.89	.00	.02	.00	.02
198.00	.00	0	110.3	0.	.0	0	0.	-38	42.00	1.00	36.0	.86	.00	.02	.00	.02

*** Pile Critical Load Case Report For Pile Joint 132 - Critical Load Case 5 ***

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)	OO (In)	WI	Fy			Axial	Bend.	Total
200.00	.00	0	106.6	0.	.0	0	0.	141	42.00	1.00	36.0	.83	.00	.02	.00	.02
202.00	.00	0	103.0	0.	.0	0	0.	141	42.00	1.00	36.0	.80	.00	.02	.00	.02
204.00	.00	0	99.5	0.	.0	0	0.	141	42.00	1.00	36.0	.77	.00	.02	.00	.02
206.00	.00	0	96.0	0.	.0	0	0.	141	42.00	1.00	36.0	.75	.00	.02	.00	.02
208.00	.00	0	92.7	0.	.0	0	0.	-180	42.00	1.00	36.0	.72	.00	.02	.00	.02
210.00	.00	0	89.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.69	.00	.02	.00	.02
212.00	.00	0	85.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.67	.00	.02	.00	.02
214.00	.00	0	81.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.64	.00	.01	.00	.01
216.00	.00	0	78.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.61	.00	.01	.00	.01
218.00	.00	0	74.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.58	.00	.01	.00	.01
220.00	.00	0	70.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.55	.00	.01	.00	.01
222.00	.00	0	67.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.52	.00	.01	.00	.01
224.00	.00	0	63.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.49	.00	.01	.00	.01
226.00	.00	0	60.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.47	.00	.01	.00	.01
228.00	.00	0	56.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.44	.00	.01	.00	.01
230.00	.00	0	53.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.42	.00	.01	.00	.01
232.00	.00	0	50.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.39	.00	.01	.00	.01
234.00	.00	0	47.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.37	.00	.01	.00	.01
236.00	.00	0	44.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.34	.00	.01	.00	.01
238.00	.00	0	41.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.32	.00	.01	.00	.01
240.00	.00	0	38.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.30	.00	.01	.00	.01
242.00	.00	0	35.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.28	.00	.01	.00	.01
244.00	.00	0	32.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.25	.00	.01	.00	.01
246.00	.00	0	29.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.23	.00	.01	.00	.01
248.00	.00	0	27.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.21	.00	.00	.00	.00
250.00	.00	0	24.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.19	.00	.00	.00	.00
252.00	.00	0	21.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.17	.00	.00	.00	.00
254.00	.00	0	19.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.15	.00	.00	.00	.00
256.00	.00	0	16.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.13	.00	.00	.00	.00
258.00	.00	0	14.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.11	.00	.00	.00	.00
260.00	.00	0	11.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
262.00	.00	0	8.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.07	.00	.00	.00	.00
264.00	.00	0	6.3	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

*** Pile Critical Load Case Report For Pile Joint 142 - Critical Load Case 5 ***

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	
0.00	35.68	4	-1375.7	0.	308.2	4	129523.	4	42.00	1.75	36.0	-6.22	60.58	.14	1.12	1.27
2.00	35.08	4	-1375.5	0.	306.4	4	121290.	4	42.00	1.75	36.0	-6.22	56.73	.14	1.05	1.19
4.00	34.41	4	-1375.3	0.	304.5	4	113026.	4	42.00	1.75	36.0	-6.21	52.87	.14	.98	1.12
6.00	33.70	4	-1375.0	0.	302.4	4	104739.	4	42.00	1.75	36.0	-6.21	48.99	.14	.91	1.05
8.00	32.94	4	-1374.8	0.	300.2	4	96439.	4	42.00	1.75	36.0	-6.21	45.11	.14	.84	.98
10.00	32.14	4	-1374.5	0.	297.7	4	88135.	4	42.00	1.75	36.0	-6.21	41.22	.14	.76	.91
12.00	31.30	4	-1374.3	0.	295.2	4	79835.	4	42.00	1.75	36.0	-6.21	37.34	.14	.69	.84
14.00	30.43	4	-1374.0	0.	292.4	4	71548.	4	42.00	1.75	36.0	-6.21	33.47	.14	.62	.76
16.00	29.52	4	-1373.8	0.	289.6	4	63294.	4	42.00	1.75	36.0	-6.21	29.60	.14	.55	.69
18.00	28.59	4	-1373.6	0.	286.6	4	55051.	4	42.00	1.75	36.0	-6.21	25.75	.14	.48	.62
20.00	27.63	4	-1373.4	0.	283.4	4	46857.	4	42.00	1.75	36.0	-6.21	21.92	.14	.41	.55
22.00	26.65	4	-1373.2	0.	280.1	4	38710.	4	42.00	1.75	36.0	-6.21	18.11	.14	.34	.48
24.00	25.65	4	-1373.0	0.	276.7	4	30619.	4	42.00	1.75	36.0	-6.20	14.32	.14	.27	.41
26.00	24.64	4	-1372.8	0.	273.2	4	22592.	5	42.00	1.75	36.0	-6.20	10.57	.14	.20	.34
28.00	23.62	4	-1372.6	0.	269.5	4	14636.	5	42.00	1.75	36.0	-6.20	6.85	.14	.13	.27
30.00	22.60	4	-1372.4	0.	265.8	4	6759.	6	42.00	1.75	36.0	-6.20	3.16	.14	.06	.20
32.00	21.57	4	-1372.3	0.	262.0	4	1059.	172	42.00	1.75	36.0	-6.20	.50	.14	.01	.15
34.00	20.54	4	-1368.6	0.	251.1	4	8738.	-176	42.00	1.75	36.0	-6.18	4.09	.14	.08	.22
36.00	19.51	4	-1361.6	0.	233.7	4	16167.	-176	42.00	1.75	36.0	-6.15	7.56	.14	.14	.28
38.00	18.49	4	-1354.5	0.	216.6	4	23162.	-176	42.00	1.75	36.0	-6.12	10.83	.14	.20	.34
40.00	17.48	4	-1347.5	0.	199.8	4	29725.	-175	42.00	1.75	36.0	-6.09	13.90	.14	.26	.40
42.00	16.49	4	-1340.6	0.	183.3	4	35861.	-175	42.00	1.75	36.0	-6.06	16.77	.14	.31	.45
44.00	15.51	4	-1333.8	0.	167.2	4	41573.	-175	42.00	1.75	36.0	-6.03	19.45	.14	.36	.50
46.00	14.55	4	-1327.0	0.	151.4	4	46867.	-175	42.00	1.75	36.0	-6.00	21.92	.14	.41	.54
48.00	13.61	4	-1320.2	0.	136.0	4	51748.	-175	42.00	1.75	36.0	-5.97	24.20	.14	.45	.59
50.00	12.69	4	-1313.5	0.	120.9	4	56222.	-175	42.00	1.75	36.0	-5.94	26.30	.14	.49	.62
52.00	11.80	4	-1307.0	0.	106.2	4	60294.	-175	42.00	1.75	36.0	-5.91	28.20	.14	.52	.66
54.00	10.93	4	-1300.4	0.	91.8	4	63973.	-175	42.00	1.75	36.0	-5.88	29.92	.14	.55	.69
56.00	10.10	4	-1294.0	0.	77.8	4	67266.	-175	42.00	1.75	36.0	-5.85	31.46	.14	.58	.72
58.00	9.29	4	-1287.6	0.	64.2	4	70178.	-175	42.00	1.75	36.0	-5.82	32.83	.13	.61	.74
60.00	8.51	4	-1281.3	0.	51.0	4	72720.	-175	42.00	1.75	36.0	-5.79	34.01	.13	.63	.76
62.00	7.77	4	-1275.0	0.	38.2	4	74898.	-175	42.00	1.75	36.0	-5.76	35.03	.13	.65	.78
64.00	7.06	4	-1268.8	0.	25.8	5	76722.	-175	42.00	1.75	36.0	-5.73	35.89	.13	.66	.80
66.00	6.38	4	-1262.7	0.	13.8	5	78202.	-175	42.00	1.75	36.0	-5.71	36.58	.13	.68	.81
68.00	5.73	4	-1256.7	0.	2.3	13	79346.	-175	42.00	1.75	36.0	-5.68	37.11	.13	.69	.82
70.00	5.13	4	-1250.7	0.	8.8	182	80164.	-175	42.00	1.75	36.0	-5.65	37.50	.13	.69	.83
72.00	4.55	4	-1244.8	0.	19.5	183	80668.	-175	42.00	1.75	36.0	-5.63	37.73	.13	.70	.83
74.00	4.02	4	-1238.9	0.	29.8	183	80868.	-175	42.00	1.75	36.0	-5.60	37.83	.13	.70	.83
76.00	3.52	4	-1233.2	0.	39.5	183	80774.	-175	42.00	1.75	36.0	-5.57	37.78	.13	.70	.83
78.00	3.05	4	-1227.5	0.	48.8	184	80399.	-175	42.00	1.75	36.0	-5.55	37.61	.13	.70	.82
80.00	2.62	4	-1221.8	0.	57.6	184	79755.	-175	42.00	1.75	36.0	-5.52	37.30	.13	.69	.82
82.00	2.23	4	-1216.2	0.	66.0	184	78855.	-175	42.00	1.75	36.0	-5.50	36.88	.13	.68	.81
84.00	1.87	4	-1210.7	0.	73.9	184	77707.	-175	42.00	1.75	36.0	-5.47	36.35	.13	.67	.80
86.00	1.54	4	-1205.3	0.	81.3	184	76326.	-175	42.00	1.75	36.0	-5.45	35.70	.13	.66	.79
88.00	1.25	4	-1199.9	0.	88.2	184	74726.	-175	42.00	1.75	36.0	-5.42	34.95	.13	.65	.77
90.00	.99	4	-1194.6	0.	94.7	184	72919.	-175	42.00	1.75	36.0	-5.40	34.11	.12	.63	.76
92.00	.76	4	-1189.5	0.	100.5	184	70917.	-175	42.00	1.75	36.0	-5.38	33.17	.12	.61	.74
94.00	.57	4	-1184.4	0.	105.8	184	68737.	-175	42.00	1.75	36.0	-5.35	32.15	.12	.60	.72
96.00	.41	4	-1179.4	0.	110.6	184	66392.	-175	42.00	1.75	36.0	-5.33	31.05	.12	.58	.70
98.00	.27	4	-1174.5	0.	114.7	184	63898.	-175	42.00	1.75	36.0	-5.31	29.89	.12	.55	.68

*** Pile Critical Load Case Report For Pile Joint 142 - Critical Load Case 5 ***

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
100.00	.16	4	-1169.7	0.	117.3	184	61270.	-175	42.00	1.75	36.0	-5.29	28.66	.12	.53	.65
102.00	.08	4	-1142.7	0.	408.3	184	58548.	-175	42.00	1.75	36.0	-5.16	27.39	.12	.51	.63
104.00	.03	4	-1116.4	0.	510.3	184	48812.	-175	42.00	1.75	36.0	-5.04	22.83	.12	.42	.54
106.00	.00	184	-1090.6	0.	493.8	184	36603.	-175	42.00	1.75	36.0	-4.93	17.12	.11	.32	.43
108.00	.02	184	-1065.3	0.	414.5	184	24770.	-175	42.00	1.75	36.0	-4.81	11.59	.11	.21	.33
110.00	.03	184	-1040.7	0.	311.9	184	14829.	-175	42.00	1.75	36.0	-4.70	6.94	.11	.13	.24
112.00	.03	184	-1016.5	0.	211.4	184	7342.	-175	42.00	1.75	36.0	-4.59	3.43	.11	.06	.17
114.00	.02	184	-992.9	0.	126.4	184	2264.	-175	42.00	1.75	36.0	-4.49	1.06	.10	.02	.12
116.00	.02	184	-969.8	0.	62.2	184	774.	4	42.00	1.75	36.0	-4.38	.36	.10	.01	.11
118.00	.01	184	-947.2	0.	18.6	184	2272.	4	42.00	1.75	36.0	-4.28	1.06	.10	.02	.12
120.00	.01	184	-925.1	0.	7.4	4	2724.	4	42.00	1.75	36.0	-4.18	1.27	.10	.02	.12
122.00	.00	184	-903.5	0.	20.1	4	2550.	4	42.00	1.75	36.0	-4.08	1.19	.09	.02	.12
124.00	.00	184	-882.3	0.	23.8	4	2070.	4	42.00	1.75	36.0	-3.99	.97	.09	.02	.11
126.00	.00	4	-861.6	0.	22.1	4	1500.	4	42.00	1.75	36.0	-3.89	.70	.09	.01	.10
128.00	.00	4	-841.4	0.	17.8	4	970.	4	42.00	1.75	36.0	-3.80	.45	.09	.01	.10
130.00	.00	4	-821.6	0.	12.8	4	543.	4	42.00	1.75	36.0	-3.71	.25	.09	.00	.09
132.00	.00	4	-802.2	0.	8.2	4	235.	4	42.00	1.75	36.0	-3.63	.11	.08	.00	.09
134.00	.00	4	-783.2	0.	4.5	4	38.	4	42.00	1.75	36.0	-3.54	.02	.08	.00	.08
136.00	.00	4	-764.7	0.	1.9	4	69.	-175	42.00	1.75	36.0	-3.46	.03	.08	.00	.08
138.00	.00	4	-746.5	0.	.2	4	114.	-175	42.00	1.75	36.0	-3.37	.05	.08	.00	.08
140.00	.00	4	-728.7	0.	.7	184	119.	-175	42.00	1.75	36.0	-3.29	.06	.08	.00	.08
142.00	.00	0	-711.3	0.	1.0	184	102.	-175	42.00	1.75	36.0	-3.21	.05	.07	.00	.07
144.00	.00	0	-694.3	0.	1.1	184	77.	-175	42.00	1.75	36.0	-3.14	.04	.07	.00	.07
146.00	.00	0	-677.6	0.	.9	184	51.	-175	42.00	1.75	36.0	-3.06	.02	.07	.00	.07
148.00	.00	0	-661.3	0.	.7	184	30.	-175	42.00	1.75	36.0	-2.99	.01	.07	.00	.07
150.00	.00	0	-645.3	0.	.5	184	13.	-175	42.00	1.75	36.0	-2.92	.01	.07	.00	.07
152.00	.00	0	-629.0	0.	.3	184	3.	-175	42.00	1.75	36.0	-2.84	.00	.07	.00	.07
154.00	.00	0	-612.5	0.	.1	184	3.	4	42.00	1.75	36.0	-2.77	.00	.06	.00	.06
156.00	.00	0	-596.3	0.	.0	185	5.	4	42.00	1.75	36.0	-2.69	.00	.06	.00	.06
158.00	.00	0	-580.5	0.	.0	4	5.	4	42.00	1.75	36.0	-2.62	.00	.06	.00	.06
160.00	.00	0	-565.0	0.	.1	4	4.	4	42.00	1.75	36.0	-2.55	.00	.06	.00	.06
162.00	.00	0	-549.7	0.	.1	4	3.	4	42.00	1.75	36.0	-2.48	.00	.06	.00	.06
164.00	.00	0	-534.8	0.	.0	4	1.	4	42.00	1.75	36.0	-2.42	.00	.06	.00	.06
166.00	.00	0	-520.2	0.	.0	4	0.	4	42.00	1.75	36.0	-2.35	.00	.05	.00	.05
168.00	.00	0	-505.9	0.	.0	4	0.	4	42.00	1.75	36.0	-2.29	.00	.05	.00	.05
170.00	.00	0	-491.7	0.	.0	4	0.	-175	42.00	1.50	36.0	-2.58	.00	.06	.00	.06
172.00	.00	0	-477.8	0.	.0	4	0.	-175	42.00	1.50	36.0	-2.50	.00	.06	.00	.06
174.00	.00	0	-464.2	0.	.0	184	0.	-175	42.00	1.50	36.0	-2.43	.00	.06	.00	.06
176.00	.00	0	-450.9	0.	.0	184	0.	-175	42.00	1.50	36.0	-2.36	.00	.05	.00	.05
178.00	.00	0	-437.8	0.	.0	184	0.	-175	42.00	1.50	36.0	-2.29	.00	.05	.00	.05
180.00	.00	0	-425.0	0.	.0	184	0.	-175	42.00	1.25	36.0	-2.66	.00	.06	.00	.06
182.00	.00	0	-412.3	0.	.0	184	0.	-175	42.00	1.25	36.0	-2.58	.00	.06	.00	.06
184.00	.00	0	-400.0	0.	.0	184	0.	-175	42.00	1.25	36.0	-2.50	.00	.06	.00	.06
186.00	.00	0	-388.0	0.	.0	184	0.	4	42.00	1.25	36.0	-2.42	.00	.06	.00	.06
188.00	.00	0	-376.3	0.	.0	0	0.	4	42.00	1.25	36.0	-2.35	.00	.05	.00	.05
190.00	.00	0	-364.8	0.	.0	0	0.	4	42.00	1.00	36.0	-2.83	.00	.07	.00	.07
192.00	.00	0	-353.5	0.	.0	4	0.	4	42.00	1.00	36.0	-2.74	.00	.06	.00	.06
194.00	.00	0	-342.5	0.	.0	0	0.	4	42.00	1.00	36.0	-2.66	.00	.06	.00	.06
196.00	.00	0	-331.9	0.	.0	0	0.	4	42.00	1.00	36.0	-2.58	.00	.06	.00	.06
198.00	.00	0	-321.6	0.	.0	0	0.	0	42.00	1.00	36.0	-2.50	.00	.06	.00	.06

*** Pile Critical Load Case Report For Pile Joint 142 - Critical Load Case 5 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal Value (In)	To 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	-311.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.42	.00	.06	.00	.06
202.00	.00	0	-301.9	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.34	.00	.05	.00	.05
204.00	.00	0	-292.5	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.27	.00	.05	.00	.05
206.00	.00	0	-283.4	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.20	.00	.05	.00	.05
208.00	.00	0	-274.5	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.13	.00	.05	.00	.05
210.00	.00	0	-265.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.06	.00	.05	.00	.05
212.00	.00	0	-257.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.00	.00	.05	.00	.05
214.00	.00	0	-248.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.91	.00	.04	.00	.04
216.00	.00	0	-239.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.82	.00	.04	.00	.04
218.00	.00	0	-229.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.74	.00	.04	.00	.04
220.00	.00	0	-219.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.65	.00	.04	.00	.04
222.00	.00	0	-209.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.57	.00	.04	.00	.04
224.00	.00	0	-199.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.49	.00	.03	.00	.03
226.00	.00	0	-189.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.41	.00	.03	.00	.03
228.00	.00	0	-179.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.34	.00	.03	.00	.03
230.00	.00	0	-169.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.27	.00	.03	.00	.03
232.00	.00	0	-158.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.19	.00	.03	.00	.03
234.00	.00	0	-148.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.12	.00	.03	.00	.03
236.00	.00	0	-138.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.06	.00	.02	.00	.02
238.00	.00	0	-129.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.99	.00	.02	.00	.02
240.00	.00	0	-119.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.92	.00	.02	.00	.02
242.00	.00	0	-110.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.86	.00	.02	.00	.02
244.00	.00	0	-102.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.79	.00	.02	.00	.02
246.00	.00	0	-94.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.73	.00	.02	.00	.02
248.00	.00	0	-86.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.67	.00	.02	.00	.02
250.00	.00	0	-78.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.61	.00	.01	.00	.01
252.00	.00	0	-70.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.55	.00	.01	.00	.01
254.00	.00	0	-63.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.49	.00	.01	.00	.01
256.00	.00	0	-55.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.43	.00	.01	.00	.01
258.00	.00	0	-48.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.37	.00	.01	.00	.01
260.00	.00	0	-40.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.32	.00	.01	.00	.01
262.00	.00	0	-33.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.26	.00	.01	.00	.01
264.00	.00	0	-26.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.20	.00	.00	.00	.00
266.00	.00	0	-19.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.15	.00	.00	.00	.00
268.00	.00	0	-11.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.09	.00	.00	.00	.00

*** Pile Critical Load Case Report For Pile Joint 152 - Critical Load Case 5 ***

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
.00	31.66	187	-515.0	0.	307.1	188	114476.	-171	42.00	1.75	36.0	-2.33	53.55	.05	.99	1.05
2.00	31.11	187	-515.5	0.	305.4	188	106820.	-171	42.00	1.75	36.0	-2.33	49.96	.05	.93	.98
4.00	30.50	187	-515.9	0.	303.6	188	99179.	-171	42.00	1.75	36.0	-2.33	46.39	.05	.86	.91
6.00	29.86	187	-516.4	0.	301.6	188	91560.	-171	42.00	1.75	36.0	-2.33	42.83	.05	.79	.85
8.00	29.17	187	-516.9	0.	299.4	188	83969.	-171	42.00	1.75	36.0	-2.34	39.28	.05	.73	.78
10.00	28.45	187	-517.4	0.	297.1	188	76409.	-171	42.00	1.75	36.0	-2.34	35.74	.05	.66	.72
12.00	27.69	187	-517.8	0.	294.6	188	68888.	-171	42.00	1.75	36.0	-2.34	32.22	.05	.60	.65
14.00	26.90	187	-518.3	0.	292.0	188	61410.	-171	42.00	1.75	36.0	-2.34	28.72	.05	.53	.59
16.00	26.09	187	-518.8	0.	289.2	188	53980.	-171	42.00	1.75	36.0	-2.34	25.25	.05	.47	.52
18.00	25.25	187	-519.4	0.	286.3	188	46604.	-171	42.00	1.75	36.0	-2.35	21.80	.05	.40	.46
20.00	24.39	187	-519.9	0.	283.3	188	39286.	-171	42.00	1.75	36.0	-2.35	18.38	.05	.34	.39
22.00	23.51	187	-520.4	0.	280.2	188	32032.	-171	42.00	1.75	36.0	-2.35	14.98	.05	.28	.33
24.00	22.62	187	-520.9	0.	276.9	188	24845.	-171	42.00	1.75	36.0	-2.35	11.62	.05	.22	.27
26.00	21.72	187	-521.5	0.	273.5	188	17731.	-170	42.00	1.75	36.0	-2.36	8.29	.05	.15	.21
28.00	20.81	187	-522.0	0.	270.0	188	10695.	-169	42.00	1.75	36.0	-2.36	5.00	.05	.09	.15
30.00	19.89	187	-522.6	0.	266.4	188	3748.	-166	42.00	1.75	36.0	-2.36	1.75	.05	.03	.09
32.00	18.98	187	-523.2	0.	262.7	188	3161.	1	42.00	1.75	36.0	-2.36	1.48	.05	.03	.08
34.00	18.06	187	-521.8	0.	252.4	188	9931.	6	42.00	1.75	36.0	-2.36	4.65	.05	.09	.14
36.00	17.15	187	-518.4	0.	235.7	188	16461.	6	42.00	1.75	36.0	-2.34	7.70	.05	.14	.20
38.00	16.25	187	-515.1	0.	219.3	188	22584.	7	42.00	1.75	36.0	-2.33	10.56	.05	.20	.25
40.00	15.36	188	-511.9	0.	203.2	188	28307.	7	42.00	1.75	36.0	-2.31	13.24	.05	.25	.30
42.00	14.47	188	-508.7	0.	187.5	188	33634.	7	42.00	1.75	36.0	-2.30	15.73	.05	.29	.34
44.00	13.61	188	-505.5	0.	172.0	188	38573.	7	42.00	1.75	36.0	-2.28	18.04	.05	.33	.39
46.00	12.76	188	-502.4	0.	156.9	188	43130.	7	42.00	1.75	36.0	-2.27	20.17	.05	.37	.43
48.00	11.93	188	-499.3	0.	142.1	188	47312.	7	42.00	1.75	36.0	-2.26	22.13	.05	.41	.46
50.00	11.12	188	-496.2	0.	127.7	188	51126.	7	42.00	1.75	36.0	-2.24	23.91	.05	.44	.49
52.00	10.33	188	-493.3	0.	113.6	188	54580.	7	42.00	1.75	36.0	-2.23	25.53	.05	.47	.52
54.00	9.57	188	-490.3	0.	99.9	188	57682.	7	42.00	1.75	36.0	-2.22	26.98	.05	.50	.55
56.00	8.84	188	-487.5	0.	86.5	188	60440.	7	42.00	1.75	36.0	-2.20	28.27	.05	.52	.57
58.00	8.13	188	-484.7	0.	73.5	188	62862.	7	42.00	1.75	36.0	-2.19	29.40	.05	.54	.60
60.00	7.44	188	-481.9	0.	60.9	188	64956.	7	42.00	1.75	36.0	-2.18	30.38	.05	.56	.61
62.00	6.79	188	-479.2	0.	48.6	188	66732.	7	42.00	1.75	36.0	-2.17	31.21	.05	.58	.63
64.00	6.17	188	-476.5	0.	36.8	188	68198.	7	42.00	1.75	36.0	-2.15	31.90	.05	.59	.64
66.00	5.57	188	-473.9	0.	25.4	189	69364.	7	42.00	1.75	36.0	-2.14	32.44	.05	.60	.65
68.00	5.01	188	-471.4	0.	14.3	190	70239.	7	42.00	1.75	36.0	-2.13	32.85	.05	.61	.66
70.00	4.48	188	-468.9	0.	3.7	196	70834.	7	42.00	1.75	36.0	-2.12	33.13	.05	.61	.66
72.00	3.97	188	-466.4	0.	6.5	3	71157.	7	42.00	1.75	36.0	-2.11	33.28	.05	.62	.67
74.00	3.51	188	-464.0	0.	16.3	6	71219.	7	42.00	1.75	36.0	-2.10	33.31	.05	.62	.67
76.00	3.07	188	-461.7	0.	25.5	6	71032.	7	42.00	1.75	36.0	-2.09	33.22	.05	.62	.66
78.00	2.66	188	-459.4	0.	34.4	7	70607.	7	42.00	1.75	36.0	-2.08	33.03	.05	.61	.66
80.00	2.29	188	-457.1	0.	42.9	7	69953.	7	42.00	1.75	36.0	-2.07	32.72	.05	.61	.65
82.00	1.94	188	-454.9	0.	50.9	7	69081.	7	42.00	1.75	36.0	-2.06	32.31	.05	.60	.65
84.00	1.63	188	-452.8	0.	58.4	7	68002.	8	42.00	1.75	36.0	-2.05	31.81	.05	.59	.64
86.00	1.34	188	-450.7	0.	65.5	7	66728.	8	42.00	1.75	36.0	-2.04	31.21	.05	.58	.63
88.00	1.09	188	-448.7	0.	72.1	7	65271.	8	42.00	1.75	36.0	-2.03	30.53	.05	.57	.61
90.00	.86	188	-446.7	0.	78.2	7	63641.	8	42.00	1.75	36.0	-2.02	29.77	.05	.55	.60
92.00	.67	188	-444.7	0.	83.8	7	61851.	8	42.00	1.75	36.0	-2.01	28.93	.05	.54	.58
94.00	.50	188	-442.8	0.	88.9	7	59915.	8	42.00	1.75	36.0	-2.00	28.02	.05	.52	.57
96.00	.35	188	-441.0	0.	93.4	7	57844.	8	42.00	1.75	36.0	-1.99	27.06	.05	.50	.55
98.00	.24	188	-439.2	0.	97.2	7	55653.	8	42.00	1.75	36.0	-1.98	26.03	.05	.48	.53

*** Pile Critical Load Case Report For Pile Joint 152 - Critical Load Case 5 ***

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
100.00	.14	188	-437.4	0.	99.4	7	53362.	8	42.00	1.75	36.0	-1.98	24.96	.05	.46	.51
102.00	.07	188	-427.5	0.	353.8	8	51007.	8	42.00	1.75	36.0	-1.93	23.86	.04	.44	.49
104.00	.03	188	-417.9	0.	443.4	8	42535.	8	42.00	1.75	36.0	-1.89	19.90	.04	.37	.41
106.00	.00	7	-408.4	0.	429.6	8	31905.	8	42.00	1.75	36.0	-1.85	14.92	.04	.28	.32
108.00	.02	8	-399.2	0.	360.9	8	21600.	8	42.00	1.75	36.0	-1.80	10.10	.04	.19	.23
110.00	.02	8	-390.1	0.	271.8	8	12940.	8	42.00	1.75	36.0	-1.76	6.05	.04	.11	.15
112.00	.02	8	-381.3	0.	184.4	8	6416.	8	42.00	1.75	36.0	-1.72	3.00	.04	.06	.10
114.00	.02	8	-372.7	0.	110.4	8	1989.	8	42.00	1.75	36.0	-1.68	.93	.04	.02	.06
116.00	.01	8	-364.3	0.	54.5	8	661.	-172	42.00	1.75	36.0	-1.65	.31	.04	.01	.04
118.00	.01	8	-356.0	0.	16.5	8	1970.	-171	42.00	1.75	36.0	-1.61	.92	.04	.02	.05
120.00	.01	8	-347.9	0.	6.2	187	2366.	-171	42.00	1.75	36.0	-1.57	1.11	.04	.02	.06
122.00	.00	8	-340.1	0.	17.4	188	2218.	-171	42.00	1.75	36.0	-1.54	1.04	.04	.02	.05
124.00	.00	8	-332.4	0.	20.6	188	1802.	-171	42.00	1.75	36.0	-1.50	.84	.03	.02	.05
126.00	.00	187	-324.8	0.	19.2	188	1307.	-171	42.00	1.75	36.0	-1.47	.61	.03	.01	.05
128.00	.00	188	-317.5	0.	15.5	188	846.	-171	42.00	1.75	36.0	-1.43	.40	.03	.01	.04
130.00	.00	188	-310.3	0.	11.2	188	474.	-171	42.00	1.75	36.0	-1.40	.22	.03	.00	.04
132.00	.00	188	-303.2	0.	7.1	188	206.	-171	42.00	1.75	36.0	-1.37	.10	.03	.00	.03
134.00	.00	188	-296.4	0.	3.9	188	34.	-171	42.00	1.75	36.0	-1.34	.02	.03	.00	.03
136.00	.00	188	-289.6	0.	1.6	188	59.	8	42.00	1.75	36.0	-1.31	.03	.03	.00	.03
138.00	.00	188	-283.1	0.	.2	188	98.	8	42.00	1.75	36.0	-1.28	.05	.03	.00	.03
140.00	.00	188	-276.6	0.	.6	8	103.	8	42.00	1.75	36.0	-1.25	.05	.03	.00	.03
142.00	.00	0	-270.3	0.	.9	8	88.	8	42.00	1.75	36.0	-1.22	.04	.03	.00	.03
144.00	.00	0	-264.2	0.	.9	8	67.	8	42.00	1.75	36.0	-1.19	.03	.03	.00	.03
146.00	.00	0	-258.2	0.	.8	8	45.	8	42.00	1.75	36.0	-1.17	.02	.03	.00	.03
148.00	.00	0	-252.3	0.	.6	8	26.	8	42.00	1.75	36.0	-1.14	.01	.03	.00	.03
150.00	.00	0	-246.6	0.	.4	8	12.	8	42.00	1.75	36.0	-1.11	.01	.03	.00	.03
152.00	.00	0	-240.7	0.	.2	8	2.	8	42.00	1.75	36.0	-1.09	.00	.03	.00	.03
154.00	.00	0	-234.7	0.	.1	8	2.	-171	42.00	1.75	36.0	-1.06	.00	.02	.00	.02
156.00	.00	0	-228.8	0.	.0	9	4.	-171	42.00	1.75	36.0	-1.03	.00	.02	.00	.02
158.00	.00	0	-223.1	0.	.0	188	4.	-171	42.00	1.75	36.0	-1.01	.00	.02	.00	.02
160.00	.00	0	-217.5	0.	.0	188	4.	-171	42.00	1.75	36.0	-.98	.00	.02	.00	.02
162.00	.00	0	-212.0	0.	.0	188	2.	-171	42.00	1.75	36.0	-.96	.00	.02	.00	.02
164.00	.00	0	-206.6	0.	.0	188	1.	-171	42.00	1.75	36.0	-.93	.00	.02	.00	.02
166.00	.00	0	-201.4	0.	.0	188	0.	-171	42.00	1.75	36.0	-.91	.00	.02	.00	.02
168.00	.00	0	-196.2	0.	.0	188	0.	-171	42.00	1.75	36.0	-.89	.00	.02	.00	.02
170.00	.00	0	-191.1	0.	.0	188	0.	7	42.00	1.50	36.0	-1.00	.00	.02	.00	.02
172.00	.00	0	-186.0	0.	.0	188	0.	8	42.00	1.50	36.0	-.97	.00	.02	.00	.02
174.00	.00	0	-181.0	0.	.0	8	0.	8	42.00	1.50	36.0	-.95	.00	.02	.00	.02
176.00	.00	0	-176.1	0.	.0	8	0.	8	42.00	1.50	36.0	-.92	.00	.02	.00	.02
178.00	.00	0	-171.3	0.	.0	8	0.	8	42.00	1.50	36.0	-.90	.00	.02	.00	.02
180.00	.00	0	-166.5	0.	.0	8	0.	8	42.00	1.25	36.0	-1.04	.00	.02	.00	.02
182.00	.00	0	-161.8	0.	.0	8	0.	8	42.00	1.25	36.0	-1.01	.00	.02	.00	.02
184.00	.00	0	-157.2	0.	.0	8	0.	8	42.00	1.25	36.0	-.98	.00	.02	.00	.02
186.00	.00	0	-152.7	0.	.0	8	0.	-172	42.00	1.25	36.0	-.95	.00	.02	.00	.02
188.00	.00	0	-148.3	0.	.0	0	0.	-171	42.00	1.25	36.0	-.93	.00	.02	.00	.02
190.00	.00	0	-143.9	0.	.0	0	0.	-171	42.00	1.00	36.0	-1.12	.00	.03	.00	.03
192.00	.00	0	-139.6	0.	.0	0	0.	-171	42.00	1.00	36.0	-1.08	.00	.03	.00	.03
194.00	.00	0	-135.4	0.	.0	0	0.	-171	42.00	1.00	36.0	-1.05	.00	.02	.00	.02
196.00	.00	0	-131.3	0.	.0	0	0.	-171	42.00	1.00	36.0	-1.02	.00	.02	.00	.02
198.00	.00	0	-127.4	0.	.0	0	0.	-180	42.00	1.00	36.0	-.99	.00	.02	.00	.02

*** File Critical Load Case Report For Pile Joint 152 - Critical Load Case 5 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
200.00	.00	0	-123.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.96	.00	.02	.00	.02
202.00	.00	0	-119.8	0.	.0	0	0.	0	42.00	1.00	36.0	-.93	.00	.02	.00	.02
204.00	.00	0	-116.2	0.	.0	0	0.	0	42.00	1.00	36.0	-.90	.00	.02	.00	.02
206.00	.00	0	-112.7	0.	.0	0	0.	0	42.00	1.00	36.0	-.88	.00	.02	.00	.02
208.00	.00	0	-109.4	0.	.0	0	0.	0	42.00	1.00	36.0	-.85	.00	.02	.00	.02
210.00	.00	0	-106.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.82	.00	.02	.00	.02
212.00	.00	0	-102.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.80	.00	.02	.00	.02
214.00	.00	0	-98.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.76	.00	.02	.00	.02
216.00	.00	0	-93.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.73	.00	.02	.00	.02
218.00	.00	0	-89.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.69	.00	.02	.00	.02
220.00	.00	0	-85.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.66	.00	.02	.00	.02
222.00	.00	0	-80.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.63	.00	.01	.00	.01
224.00	.00	0	-76.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.60	.00	.01	.00	.01
226.00	.00	0	-72.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.57	.00	.01	.00	.01
228.00	.00	0	-69.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.54	.00	.01	.00	.01
230.00	.00	0	-65.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.51	.00	.01	.00	.01
232.00	.00	0	-61.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.48	.00	.01	.00	.01
234.00	.00	0	-58.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.45	.00	.01	.00	.01
236.00	.00	0	-54.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.42	.00	.01	.00	.01
238.00	.00	0	-51.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.40	.00	.01	.00	.01
240.00	.00	0	-47.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.37	.00	.01	.00	.01
242.00	.00	0	-44.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.34	.00	.01	.00	.01
244.00	.00	0	-41.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.32	.00	.01	.00	.01
246.00	.00	0	-37.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.29	.00	.01	.00	.01
248.00	.00	0	-34.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.27	.00	.01	.00	.01
250.00	.00	0	-31.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.25	.00	.01	.00	.01
252.00	.00	0	-28.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.22	.00	.01	.00	.01
254.00	.00	0	-25.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.20	.00	.00	.00	.00
256.00	.00	0	-22.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.18	.00	.00	.00	.00
258.00	.00	0	-19.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.15	.00	.00	.00	.00
260.00	.00	0	-16.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.13	.00	.00	.00	.00
262.00	.00	0	-13.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.11	.00	.00	.00	.00
264.00	.00	0	-10.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.08	.00	.00	.00	.00
266.00	.00	0	-8.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.06	.00	.00	.00	.00
268.00	.00	0	-5.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.04	.00	.00	.00	.00

*** Pile Critical Load Case Report For Pile Joint 162 - Critical Load Case 5 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Bending		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 (/--- (KSI)	Fy (KSI)	Stress	Stress	Axial	Bend.	Total
.00	32.75	140	-2557.2	0.	254.3	140	120817.	140	42.00	1.75	36.0	-11.56	56.51	.27	1.05	1.31
2.00	32.16	140	-2557.5	0.	252.6	140	113225.	140	42.00	1.75	36.0	-11.56	52.96	.27	.98	1.25
4.00	31.53	140	-2557.8	0.	250.7	140	105545.	140	42.00	1.75	36.0	-11.56	49.37	.27	.91	1.18
6.00	30.85	140	-2558.1	0.	248.7	140	97790.	140	42.00	1.75	36.0	-11.56	45.74	.27	.85	1.11
8.00	30.13	140	-2558.4	0.	246.5	140	89973.	140	42.00	1.75	36.0	-11.56	42.08	.27	.78	1.05
10.00	29.37	140	-2558.6	0.	244.2	140	82107.	140	42.00	1.75	36.0	-11.56	38.40	.27	.71	.98
12.00	28.57	140	-2558.8	0.	241.7	140	74204.	140	42.00	1.75	36.0	-11.56	34.71	.27	.64	.91
14.00	27.74	140	-2559.1	0.	239.0	140	66277.	140	42.00	1.75	36.0	-11.56	31.00	.27	.57	.84
16.00	26.88	140	-2559.3	0.	236.2	140	58339.	139	42.00	1.75	36.0	-11.57	27.29	.27	.51	.77
18.00	25.99	140	-2559.5	0.	233.3	140	50401.	139	42.00	1.75	36.0	-11.57	23.57	.27	.44	.70
20.00	25.08	140	-2559.7	0.	230.3	140	42476.	139	42.00	1.75	36.0	-11.57	19.87	.27	.37	.64
22.00	24.16	140	-2559.9	0.	227.1	140	34576.	139	42.00	1.75	36.0	-11.57	16.17	.27	.30	.57
24.00	23.21	140	-2560.0	0.	223.8	140	26714.	139	42.00	1.75	36.0	-11.57	12.50	.27	.23	.50
26.00	22.26	140	-2560.2	0.	220.4	140	18902.	138	42.00	1.75	36.0	-11.57	8.84	.27	.16	.43
28.00	21.29	140	-2560.3	0.	216.9	140	11154.	137	42.00	1.75	36.0	-11.57	5.22	.27	.10	.36
30.00	20.33	140	-2560.5	0.	213.3	140	3505.	130	42.00	1.75	36.0	-11.57	1.64	.27	.03	.30
32.00	19.36	140	-2560.6	0.	209.5	140	4186.	-31	42.00	1.75	36.0	-11.57	1.96	.27	.04	.30
34.00	18.39	140	-2557.7	0.	199.1	140	11666.	-36	42.00	1.75	36.0	-11.56	5.46	.27	.10	.37
36.00	17.43	140	-2551.8	0.	182.3	140	18900.	-37	42.00	1.75	36.0	-11.53	8.84	.27	.16	.43
38.00	16.47	140	-2545.9	0.	165.9	140	25708.	-38	42.00	1.75	36.0	-11.50	12.03	.27	.22	.49
40.00	15.53	140	-2539.9	0.	149.7	140	32088.	-38	42.00	1.75	36.0	-11.48	15.01	.27	.28	.54
42.00	14.60	140	-2533.8	0.	133.9	140	38039.	-38	42.00	1.75	36.0	-11.45	17.79	.27	.33	.59
44.00	13.69	140	-2527.6	0.	118.4	140	43563.	-38	42.00	1.75	36.0	-11.42	20.38	.26	.38	.64
46.00	12.80	140	-2521.4	0.	103.3	140	48661.	-38	42.00	1.75	36.0	-11.39	22.76	.26	.42	.69
48.00	11.93	140	-2515.2	0.	88.5	139	53337.	-38	42.00	1.75	36.0	-11.37	24.95	.26	.46	.73
50.00	11.08	140	-2508.8	0.	74.1	139	57593.	-38	42.00	1.75	36.0	-11.34	26.94	.26	.50	.76
52.00	10.26	140	-2502.4	0.	60.1	139	61434.	-38	42.00	1.75	36.0	-11.31	28.74	.26	.53	.79
54.00	9.46	140	-2496.0	0.	46.4	139	64865.	-39	42.00	1.75	36.0	-11.28	30.34	.26	.56	.82
56.00	8.69	140	-2489.5	0.	33.1	138	67891.	-39	42.00	1.75	36.0	-11.25	31.76	.26	.59	.85
58.00	7.96	140	-2482.9	0.	20.2	137	70518.	-39	42.00	1.75	36.0	-11.22	32.98	.26	.61	.87
60.00	7.25	140	-2476.2	0.	7.8	133	72753.	-39	42.00	1.75	36.0	-11.19	34.03	.26	.63	.89
62.00	6.58	140	-2469.5	0.	4.5	-26	74604.	-39	42.00	1.75	36.0	-11.16	34.90	.26	.65	.90
64.00	5.94	140	-2462.8	0.	16.2	-35	76078.	-39	42.00	1.75	36.0	-11.13	35.59	.26	.66	.92
66.00	5.33	140	-2455.9	0.	27.4	-37	77185.	-39	42.00	1.75	36.0	-11.10	36.10	.26	.67	.93
68.00	4.76	140	-2449.1	0.	38.2	-37	77933.	-39	42.00	1.75	36.0	-11.07	36.45	.26	.68	.93
70.00	4.22	140	-2442.1	0.	48.7	-38	78332.	-39	42.00	1.75	36.0	-11.04	36.64	.26	.68	.93
72.00	3.72	140	-2435.1	0.	58.6	-38	78392.	-39	42.00	1.75	36.0	-11.00	36.67	.25	.68	.93
74.00	3.25	140	-2428.0	0.	68.1	-38	78126.	-39	42.00	1.75	36.0	-10.97	36.54	.25	.68	.93
76.00	2.82	140	-2420.9	0.	77.1	-38	77545.	-39	42.00	1.75	36.0	-10.94	36.27	.25	.67	.92
78.00	2.42	140	-2413.7	0.	85.8	-38	76661.	-39	42.00	1.75	36.0	-10.91	35.86	.25	.66	.92
80.00	2.05	140	-2406.5	0.	94.0	-38	75486.	-39	42.00	1.75	36.0	-10.88	35.31	.25	.65	.91
82.00	1.72	140	-2399.2	0.	101.6	-38	74031.	-39	42.00	1.75	36.0	-10.84	34.63	.25	.64	.89
84.00	1.42	140	-2391.8	0.	108.8	-38	72311.	-39	42.00	1.75	36.0	-10.81	33.82	.25	.63	.88
86.00	1.15	140	-2384.4	0.	115.6	-38	70340.	-39	42.00	1.75	36.0	-10.78	32.90	.25	.61	.86
88.00	.91	140	-2376.9	0.	121.8	-38	68131.	-39	42.00	1.75	36.0	-10.74	31.87	.25	.59	.84
90.00	.71	140	-2369.4	0.	127.5	-39	65699.	-39	42.00	1.75	36.0	-10.71	30.73	.25	.57	.82
92.00	.53	140	-2361.8	0.	132.7	-39	63060.	-39	42.00	1.75	36.0	-10.67	29.50	.25	.55	.79
94.00	.38	140	-2354.1	0.	137.3	-39	60228.	-39	42.00	1.75	36.0	-10.64	28.17	.25	.52	.77
96.00	.26	140	-2346.4	0.	141.4	-39	57221.	-39	42.00	1.75	36.0	-10.60	26.76	.25	.50	.74
98.00	.16	140	-2338.7	0.	143.9	-39	54057.	-39	42.00	1.75	36.0	-10.57	25.28	.24	.47	.71

*** Pile Critical Load Case Report For Pile Joint 162 - Critical Load Case 5 ***

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	Angle			Value	Angle	Value	Angle	OD	WT	Fy			Axial	Bend.	Total
	Value (In)	(Deg)			(Kips)	(Deg)	(In-Kips)	(Deg)	(In)	(KSI)						
100.00	.09	140	-2307.5	0.	295.9	-39	50775.	-39	42.00	1.75	36.0	-10.43	23.75	.24	.44	.68
102.00	.03	140	-2253.8	0.	420.1	-39	43791.	-39	42.00	1.75	36.0	-10.19	20.48	.24	.38	.62
104.00	.00	138	-2201.3	0.	428.5	-39	33781.	-39	42.00	1.75	36.0	-9.95	15.80	.23	.29	.52
106.00	.02	-39	-2150.0	0.	372.0	-39	23536.	-39	42.00	1.75	36.0	-9.72	11.01	.22	.20	.43
108.00	.02	-39	-2099.7	0.	287.9	-39	14623.	-39	42.00	1.75	36.0	-9.49	6.84	.22	.13	.35
110.00	.02	-39	-2050.6	0.	200.8	-39	7714.	-39	42.00	1.75	36.0	-9.27	3.61	.21	.07	.28
112.00	.02	-39	-2002.5	0.	124.5	-39	2889.	-39	42.00	1.75	36.0	-9.05	1.35	.21	.03	.23
114.00	.01	-39	-1955.5	0.	65.3	-39	108.	144	42.00	1.75	36.0	-8.84	.05	.20	.00	.20
116.00	.01	-39	-1909.4	0.	23.9	-39	1684.	140	42.00	1.75	36.0	-8.63	.79	.20	.01	.21
118.00	.01	-39	-1864.4	0.	1.7	142	2266.	140	42.00	1.75	36.0	-8.43	1.06	.20	.02	.21
120.00	.00	-39	-1820.3	0.	15.1	140	2230.	140	42.00	1.75	36.0	-8.23	1.04	.19	.02	.21
122.00	.00	-39	-1777.2	0.	19.9	140	1871.	140	42.00	1.75	36.0	-8.03	.88	.19	.02	.20
124.00	.00	0	-1735.0	0.	19.4	140	1395.	140	42.00	1.75	36.0	-7.84	.65	.18	.01	.19
126.00	.00	140	-1693.7	0.	16.2	140	931.	140	42.00	1.75	36.0	-7.65	.44	.18	.01	.19
128.00	.00	140	-1653.3	0.	12.0	140	543.	140	42.00	1.75	36.0	-7.47	.25	.17	.00	.18
130.00	.00	140	-1613.7	0.	7.9	140	256.	140	42.00	1.75	36.0	-7.29	.12	.17	.00	.17
132.00	.00	140	-1575.0	0.	4.5	140	67.	140	42.00	1.75	36.0	-7.12	.03	.16	.00	.16
134.00	.00	140	-1537.1	0.	2.1	140	41.	-39	42.00	1.75	36.0	-6.95	.02	.16	.00	.16
136.00	.00	140	-1500.0	0.	.4	140	91.	-39	42.00	1.75	36.0	-6.78	.04	.16	.00	.16
138.00	.00	140	-1463.6	0.	.5	-39	102.	-39	42.00	1.75	36.0	-6.61	.05	.15	.00	.15
140.00	.00	0	-1428.0	0.	.9	-39	91.	-39	42.00	1.75	36.0	-6.45	.04	.15	.00	.15
142.00	.00	0	-1393.2	0.	.9	-39	71.	-39	42.00	1.75	36.0	-6.30	.03	.15	.00	.15
144.00	.00	0	-1359.1	0.	.8	-39	49.	-39	42.00	1.75	36.0	-6.14	.02	.14	.00	.14
146.00	.00	0	-1325.7	0.	.6	-39	29.	-39	42.00	1.75	36.0	-5.99	.01	.14	.00	.14
148.00	.00	0	-1293.0	0.	.4	-39	14.	-39	42.00	1.75	36.0	-5.84	.01	.14	.00	.14
150.00	.00	0	-1259.7	0.	.3	-39	4.	-39	42.00	1.75	36.0	-5.69	.00	.13	.00	.13
152.00	.00	0	-1225.9	0.	.1	-39	1.	140	42.00	1.75	36.0	-5.54	.00	.13	.00	.13
154.00	.00	0	-1192.9	0.	.0	-40	4.	140	42.00	1.75	36.0	-5.39	.00	.12	.00	.12
156.00	.00	0	-1160.4	0.	.0	140	4.	140	42.00	1.75	36.0	-5.24	.00	.12	.00	.12
158.00	.00	0	-1128.7	0.	.0	140	4.	140	42.00	1.75	36.0	-5.10	.00	.12	.00	.12
160.00	.00	0	-1097.5	0.	.0	140	3.	140	42.00	1.75	36.0	-4.96	.00	.11	.00	.11
162.00	.00	0	-1067.0	0.	.0	140	1.	140	42.00	1.75	36.0	-4.82	.00	.11	.00	.11
164.00	.00	0	-1037.1	0.	.0	140	1.	140	42.00	1.75	36.0	-4.69	.00	.11	.00	.11
166.00	.00	0	-1007.7	0.	.0	140	0.	140	42.00	1.75	36.0	-4.55	.00	.11	.00	.11
168.00	.00	0	-978.9	0.	.0	140	0.	138	42.00	1.75	36.0	-4.42	.00	.10	.00	.10
170.00	.00	0	-950.5	0.	.0	140	0.	-39	42.00	1.50	36.0	-4.38	.00	.12	.00	.12
172.00	.00	0	-922.7	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.83	.00	.11	.00	.11
174.00	.00	0	-895.4	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.69	.00	.11	.00	.11
176.00	.00	0	-868.7	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.55	.00	.11	.00	.11
178.00	.00	0	-842.6	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.42	.00	.10	.00	.10
180.00	.00	0	-816.9	0.	.0	-39	0.	-39	42.00	1.25	36.0	-5.11	.00	.12	.00	.12
182.00	.00	0	-791.8	0.	.0	-39	0.	-39	42.00	1.25	36.0	-4.95	.00	.11	.00	.11
184.00	.00	0	-767.2	0.	.0	-39	0.	-48	42.00	1.25	36.0	-4.79	.00	.11	.00	.11
186.00	.00	0	-743.3	0.	.0	0	0.	140	42.00	1.25	36.0	-4.64	.00	.11	.00	.11
188.00	.00	0	-719.9	0.	.0	0	0.	140	42.00	1.25	36.0	-4.50	.00	.10	.00	.10
190.00	.00	0	-696.9	0.	.0	0	0.	140	42.00	1.00	36.0	-5.41	.00	.13	.00	.13
192.00	.00	0	-674.6	0.	.0	0	0.	140	42.00	1.00	36.0	-5.24	.00	.12	.00	.12
194.00	.00	0	-652.8	0.	.0	0	0.	140	42.00	1.00	36.0	-5.07	.00	.12	.00	.12
196.00	.00	0	-631.7	0.	.0	0	0.	140	42.00	1.00	36.0	-4.90	.00	.11	.00	.11
198.00	.00	0	-611.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.75	.00	.11	.00	.11

*** File Critical Load Case Report For Pile Joint 162 - Critical Load Case 5 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Value (In)	Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD	WT	Fy			Axial	Bend.	Axial	Bend.	Total
200.00	.00	0	-591.3	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.59	.00	.11	.00	.11
202.00	.00	0	-571.9	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.44	.00	.10	.00	.10
204.00	.00	0	-553.1	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.29	.00	.10	.00	.10
206.00	.00	0	-534.8	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.15	.00	.10	.00	.10
208.00	.00	0	-517.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.01	.00	.09	.00	.09
210.00	.00	0	-499.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.88	.00	.09	.00	.09
212.00	.00	0	-481.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.73	.00	.09	.00	.09
214.00	.00	0	-460.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.58	.00	.08	.00	.08
216.00	.00	0	-440.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.42	.00	.08	.00	.08
218.00	.00	0	-421.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.27	.00	.08	.00	.08
220.00	.00	0	-402.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.12	.00	.07	.00	.07
222.00	.00	0	-383.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.98	.00	.07	.00	.07
224.00	.00	0	-365.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.84	.00	.07	.00	.07
226.00	.00	0	-347.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.70	.00	.06	.00	.06
228.00	.00	0	-329.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.56	.00	.06	.00	.06
230.00	.00	0	-312.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.43	.00	.06	.00	.06
232.00	.00	0	-295.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.29	.00	.05	.00	.05
234.00	.00	0	-278.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.16	.00	.05	.00	.05
236.00	.00	0	-262.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.04	.00	.05	.00	.05
238.00	.00	0	-246.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.91	.00	.04	.00	.04
240.00	.00	0	-230.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.79	.00	.04	.00	.04
242.00	.00	0	-214.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.66	.00	.04	.00	.04
244.00	.00	0	-198.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.54	.00	.04	.00	.04
246.00	.00	0	-183.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.42	.00	.03	.00	.03
248.00	.00	0	-168.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.31	.00	.03	.00	.03
250.00	.00	0	-153.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.19	.00	.03	.00	.03
252.00	.00	0	-138.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.07	.00	.02	.00	.02
254.00	.00	0	-123.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.96	.00	.02	.00	.02
256.00	.00	0	-109.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.85	.00	.02	.00	.02
258.00	.00	0	-94.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.73	.00	.02	.00	.02
260.00	.00	0	-80.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.62	.00	.01	.00	.01
262.00	.00	0	-65.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.51	.00	.01	.00	.01
264.00	.00	0	-51.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.40	.00	.01	.00	.01
266.00	.00	0	-37.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.29	.00	.01	.00	.01
268.00	.00	0	-22.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.18	.00	.00	.00	.00

*** Pile Critical Load Case Report For Pile Joint 172 - Critical Load Case 5 ***

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)	Value (in-Kips)	Angle (Deg)	OD (in)			WT (KSI)	Fy (KSI)	Axial	Bend.	Total
.00	33.45	139	-2300.2	0.	264.9	139	122021.	140	42.00	1.75	36.0	-10.39	57.07	.24	1.06	1.30
2.00	32.86	139	-2300.4	0.	263.2	139	114293.	140	42.00	1.75	36.0	-10.40	53.46	.24	.99	1.23
4.00	32.21	139	-2300.6	0.	261.3	139	106490.	140	42.00	1.75	36.0	-10.40	49.81	.24	.92	1.16
6.00	31.52	139	-2300.7	0.	259.3	139	98623.	140	42.00	1.75	36.0	-10.40	46.13	.24	.85	1.09
8.00	30.78	139	-2300.9	0.	257.1	139	90705.	140	42.00	1.75	36.0	-10.40	42.43	.24	.79	1.03
10.00	30.00	139	-2301.0	0.	254.7	139	82748.	140	42.00	1.75	36.0	-10.40	38.70	.24	.72	.96
12.00	29.19	139	-2301.2	0.	252.2	139	74763.	140	42.00	1.75	36.0	-10.40	34.97	.24	.65	.89
14.00	28.34	139	-2301.3	0.	249.5	139	66763.	140	42.00	1.75	36.0	-10.40	31.23	.24	.58	.82
16.00	27.47	139	-2301.4	0.	246.7	140	58758.	140	42.00	1.75	36.0	-10.40	27.48	.24	.51	.75
18.00	26.56	139	-2301.5	0.	243.8	140	50760.	140	42.00	1.75	36.0	-10.40	23.74	.24	.44	.68
20.00	25.64	139	-2301.6	0.	240.7	140	42782.	140	42.00	1.75	36.0	-10.40	20.01	.24	.37	.61
22.00	24.69	139	-2301.6	0.	237.5	140	34834.	140	42.00	1.75	36.0	-10.40	16.29	.24	.30	.54
24.00	23.74	139	-2301.7	0.	234.2	140	26927.	140	42.00	1.75	36.0	-10.40	12.60	.24	.23	.47
26.00	22.76	139	-2301.8	0.	230.7	140	19073.	140	42.00	1.75	36.0	-10.40	8.92	.24	.17	.41
28.00	21.79	139	-2301.8	0.	227.2	140	11283.	141	42.00	1.75	36.0	-10.40	5.28	.24	.10	.34
30.00	20.80	139	-2301.8	0.	223.6	140	3573.	144	42.00	1.75	36.0	-10.40	1.67	.24	.03	.27
32.00	19.81	139	-2301.9	0.	219.8	140	4085.	-44	42.00	1.75	36.0	-10.40	1.91	.24	.04	.28
34.00	18.83	139	-2298.7	0.	209.3	140	11618.	-41	42.00	1.75	36.0	-10.39	5.43	.24	.10	.34
36.00	17.85	139	-2292.3	0.	192.4	140	18890.	-40	42.00	1.75	36.0	-10.36	8.84	.24	.16	.40
38.00	16.88	139	-2285.8	0.	175.8	140	25732.	-40	42.00	1.75	36.0	-10.33	12.04	.24	.22	.46
40.00	15.92	139	-2279.3	0.	159.5	140	32143.	-40	42.00	1.75	36.0	-10.30	15.03	.24	.28	.52
42.00	14.98	139	-2272.7	0.	143.6	140	38126.	-40	42.00	1.75	36.0	-10.27	17.83	.24	.33	.57
44.00	14.05	139	-2266.1	0.	128.0	140	43681.	-40	42.00	1.75	36.0	-10.24	20.43	.24	.38	.62
46.00	13.14	139	-2259.4	0.	112.7	140	48811.	-40	42.00	1.75	36.0	-10.21	22.83	.24	.42	.66
48.00	12.25	139	-2252.6	0.	97.8	140	53521.	-40	42.00	1.75	36.0	-10.18	25.03	.24	.46	.70
50.00	11.39	139	-2245.8	0.	83.2	140	57813.	-40	42.00	1.75	36.0	-10.15	27.04	.23	.50	.74
52.00	10.55	139	-2239.0	0.	69.0	140	61693.	-40	42.00	1.75	36.0	-10.12	28.86	.23	.53	.77
54.00	9.74	139	-2232.1	0.	55.2	140	65166.	-40	42.00	1.75	36.0	-10.09	30.48	.23	.56	.80
56.00	8.95	139	-2225.1	0.	41.8	140	68238.	-40	42.00	1.75	36.0	-10.06	31.92	.23	.59	.82
58.00	8.20	139	-2218.1	0.	28.8	140	70914.	-40	42.00	1.75	36.0	-10.02	33.17	.23	.61	.85
60.00	7.48	139	-2211.0	0.	16.1	141	73203.	-40	42.00	1.75	36.0	-9.99	34.24	.23	.63	.87
62.00	6.79	139	-2203.8	0.	3.9	147	75112.	-40	42.00	1.75	36.0	-9.96	35.13	.23	.65	.88
64.00	6.14	139	-2196.7	0.	8.0	-43	76649.	-40	42.00	1.75	36.0	-9.93	35.85	.23	.66	.89
66.00	5.52	139	-2189.4	0.	19.4	-41	77823.	-40	42.00	1.75	36.0	-9.89	36.40	.23	.67	.90
68.00	4.93	139	-2182.1	0.	30.3	-41	78644.	-40	42.00	1.75	36.0	-9.86	36.78	.23	.68	.91
70.00	4.38	139	-2174.8	0.	40.9	-40	79121.	-40	42.00	1.75	36.0	-9.83	37.01	.23	.69	.91
72.00	3.86	139	-2167.4	0.	51.0	-40	79264.	-40	42.00	1.75	36.0	-9.79	37.08	.23	.69	.91
74.00	3.38	139	-2159.9	0.	60.6	-40	79066.	-40	42.00	1.75	36.0	-9.76	36.99	.23	.69	.91
76.00	2.93	139	-2152.4	0.	69.7	-40	78597.	-40	42.00	1.75	36.0	-9.73	36.76	.23	.68	.91
78.00	2.52	139	-2144.8	0.	78.4	-40	77812.	-40	42.00	1.75	36.0	-9.69	36.40	.22	.67	.90
80.00	2.14	139	-2137.2	0.	86.8	-40	76740.	-40	42.00	1.75	36.0	-9.66	35.89	.22	.66	.89
82.00	1.80	139	-2129.5	0.	94.6	-40	75393.	-40	42.00	1.75	36.0	-9.62	35.26	.22	.65	.88
84.00	1.49	139	-2121.8	0.	101.9	-40	73785.	-40	42.00	1.75	36.0	-9.59	34.51	.22	.64	.86
86.00	1.21	139	-2114.1	0.	108.7	-40	71930.	-40	42.00	1.75	36.0	-9.55	33.64	.22	.62	.84
88.00	.96	139	-2106.5	0.	115.0	-40	69842.	-40	42.00	1.75	36.0	-9.52	32.67	.22	.60	.83
90.00	.75	139	-2099.0	0.	120.8	-40	67535.	-40	42.00	1.75	36.0	-9.49	31.59	.22	.58	.80
92.00	.56	139	-2091.6	0.	126.2	-40	65024.	-40	42.00	1.75	36.0	-9.45	30.41	.22	.56	.78
94.00	.40	139	-2084.3	0.	130.9	-40	62325.	-40	42.00	1.75	36.0	-9.42	29.15	.22	.54	.76
96.00	.27	139	-2077.0	0.	135.1	-40	59453.	-40	42.00	1.75	36.0	-9.39	27.81	.22	.51	.73
98.00	.17	140	-2069.9	0.	137.8	-40	56426.	-40	42.00	1.75	36.0	-9.35	26.39	.22	.49	.71

*** Pile Critical Load Case Report For Pile Joint 17Z - Critical Load Case 5 ***

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	.09	140	-2042.1	0.	301.1	-40	53281.	-40	42.00	1.75	36.0	-9.23	24.92	.21	.46	.68
102.00	.04	140	-1994.7	0.	437.0	-40	46166.	-40	42.00	1.75	36.0	-9.01	21.59	.21	.40	.61
104.00	.00	140	-1948.4	0.	449.3	-40	35747.	-40	42.00	1.75	36.0	-8.80	16.72	.20	.31	.51
106.00	.02	-40	-1903.0	0.	392.0	-40	25000.	-40	42.00	1.75	36.0	-8.60	11.69	.20	.22	.42
108.00	.02	-40	-1858.7	0.	304.6	-40	15607.	-39	42.00	1.75	36.0	-8.40	7.30	.19	.14	.33
110.00	.02	-40	-1815.3	0.	213.3	-40	8297.	-39	42.00	1.75	36.0	-8.20	3.88	.19	.07	.26
112.00	.02	-40	-1772.8	0.	133.0	-39	3173.	-39	42.00	1.75	36.0	-8.01	1.48	.19	.03	.21
114.00	.02	-40	-1731.3	0.	70.3	-39	25.	131	42.00	1.75	36.0	-7.82	.01	.18	.00	.18
116.00	.01	-40	-1690.7	0.	26.3	-39	1720.	139	42.00	1.75	36.0	-7.64	.80	.18	.01	.19
118.00	.01	-39	-1650.9	0.	1.0	138	2360.	139	42.00	1.75	36.0	-7.46	1.10	.17	.02	.19
120.00	.00	-39	-1612.0	0.	15.4	139	2340.	139	42.00	1.75	36.0	-7.28	1.09	.17	.02	.19
122.00	.00	-39	-1574.0	0.	20.7	139	1973.	139	42.00	1.75	36.0	-7.11	.92	.16	.02	.18
124.00	.00	0	-1536.7	0.	20.4	139	1477.	139	42.00	1.75	36.0	-6.94	.69	.16	.01	.17
126.00	.00	139	-1500.3	0.	17.0	139	990.	139	42.00	1.75	36.0	-6.78	.46	.16	.01	.17
128.00	.00	139	-1464.6	0.	12.7	139	581.	140	42.00	1.75	36.0	-6.62	.27	.15	.01	.16
130.00	.00	139	-1429.7	0.	8.4	139	277.	140	42.00	1.75	36.0	-6.46	.13	.15	.00	.15
132.00	.00	139	-1395.6	0.	4.8	140	76.	140	42.00	1.75	36.0	-6.31	.04	.15	.00	.15
134.00	.00	139	-1362.1	0.	2.2	140	40.	-40	42.00	1.75	36.0	-6.16	.02	.14	.00	.14
136.00	.00	139	-1329.4	0.	.5	140	94.	-40	42.00	1.75	36.0	-6.01	.04	.14	.00	.14
138.00	.00	140	-1297.3	0.	.5	-40	106.	-40	42.00	1.75	36.0	-5.86	.05	.14	.00	.14
140.00	.00	0	-1266.0	0.	.9	-40	96.	-40	42.00	1.75	36.0	-5.72	.04	.13	.00	.13
142.00	.00	0	-1235.3	0.	1.0	-40	75.	-40	42.00	1.75	36.0	-5.58	.04	.13	.00	.13
144.00	.00	0	-1205.2	0.	.8	-40	52.	-40	42.00	1.75	36.0	-5.45	.02	.13	.00	.13
146.00	.00	0	-1175.7	0.	.7	-40	31.	-39	42.00	1.75	36.0	-5.31	.01	.12	.00	.12
148.00	.00	0	-1146.9	0.	.5	-40	15.	-39	42.00	1.75	36.0	-5.18	.01	.12	.00	.12
150.00	.00	0	-1117.6	0.	.3	-39	4.	-39	42.00	1.75	36.0	-5.05	.00	.12	.00	.12
152.00	.00	0	-1087.8	0.	.1	-39	1.	139	42.00	1.75	36.0	-4.92	.00	.11	.00	.11
154.00	.00	0	-1058.7	0.	.0	-39	4.	139	42.00	1.75	36.0	-4.78	.00	.11	.00	.11
156.00	.00	0	-1030.1	0.	.0	139	5.	139	42.00	1.75	36.0	-4.66	.00	.11	.00	.11
158.00	.00	0	-1002.1	0.	.0	139	4.	139	42.00	1.75	36.0	-4.53	.00	.10	.00	.10
160.00	.00	0	-974.7	0.	.0	139	3.	139	42.00	1.75	36.0	-4.40	.00	.10	.00	.10
162.00	.00	0	-947.8	0.	.0	139	2.	139	42.00	1.75	36.0	-4.28	.00	.10	.00	.10
164.00	.00	0	-921.4	0.	.0	139	1.	140	42.00	1.75	36.0	-4.16	.00	.10	.00	.10
166.00	.00	0	-895.6	0.	.0	139	0.	140	42.00	1.75	36.0	-4.05	.00	.09	.00	.09
168.00	.00	0	-870.2	0.	.0	140	0.	140	42.00	1.75	36.0	-3.93	.00	.09	.00	.09
170.00	.00	0	-845.3	0.	.0	140	0.	-40	42.00	1.50	36.0	-4.43	.00	.10	.00	.10
172.00	.00	0	-820.7	0.	.0	-40	0.	-40	42.00	1.50	36.0	-4.30	.00	.10	.00	.10
174.00	.00	0	-796.7	0.	.0	-40	0.	-40	42.00	1.50	36.0	-4.17	.00	.10	.00	.10
176.00	.00	0	-773.2	0.	.0	-40	0.	-40	42.00	1.50	36.0	-4.05	.00	.09	.00	.09
178.00	.00	0	-750.3	0.	.0	-40	0.	-40	42.00	1.50	36.0	-3.93	.00	.09	.00	.09
180.00	.00	0	-727.6	0.	.0	-40	0.	-39	42.00	1.25	36.0	-4.55	.00	.11	.00	.11
182.00	.00	0	-705.5	0.	.0	-40	0.	-39	42.00	1.25	36.0	-4.41	.00	.10	.00	.10
184.00	.00	0	-683.9	0.	.0	-39	0.	-38	42.00	1.25	36.0	-4.27	.00	.10	.00	.10
186.00	.00	0	-662.8	0.	.0	0	0.	139	42.00	1.25	36.0	-4.14	.00	.10	.00	.10
188.00	.00	0	-642.2	0.	.0	0	0.	139	42.00	1.25	36.0	-4.01	.00	.09	.00	.09
190.00	.00	0	-622.0	0.	.0	0	0.	139	42.00	1.00	36.0	-4.83	.00	.11	.00	.11
192.00	.00	0	-602.3	0.	.0	0	0.	139	42.00	1.00	36.0	-4.68	.00	.11	.00	.11
194.00	.00	0	-583.2	0.	.0	0	0.	139	42.00	1.00	36.0	-4.53	.00	.10	.00	.10
196.00	.00	0	-564.6	0.	.0	0	0.	140	42.00	1.00	36.0	-4.38	.00	.10	.00	.10
198.00	.00	0	-546.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.24	.00	.10	.00	.10

*** Pile Critical Load Case Report For Pile Joint 172 - Critical Load Case 5 ***

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	-529.1	0.	.0	0	0.	-40	42.00	1.00	36.0	-4.11	.00	.10	.00	.10
202.00	.00	0	-512.1	0.	.0	0	0.	-40	42.00	1.00	36.0	-3.98	.00	.09	.00	.09
204.00	.00	0	-495.6	0.	.0	0	0.	-40	42.00	1.00	36.0	-3.85	.00	.09	.00	.09
206.00	.00	0	-479.5	0.	.0	0	0.	-40	42.00	1.00	36.0	-3.72	.00	.09	.00	.09
208.00	.00	0	-463.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.60	.00	.08	.00	.08
210.00	.00	0	-448.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.48	.00	.08	.00	.08
212.00	.00	0	-432.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.35	.00	.08	.00	.08
214.00	.00	0	-413.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.21	.00	.07	.00	.07
216.00	.00	0	-396.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.07	.00	.07	.00	.07
218.00	.00	0	-378.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.94	.00	.07	.00	.07
220.00	.00	0	-361.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.81	.00	.06	.00	.06
222.00	.00	0	-344.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.67	.00	.06	.00	.06
224.00	.00	0	-328.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.55	.00	.06	.00	.06
226.00	.00	0	-311.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.42	.00	.06	.00	.06
228.00	.00	0	-296.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.30	.00	.05	.00	.05
230.00	.00	0	-280.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.18	.00	.05	.00	.05
232.00	.00	0	-265.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.06	.00	.05	.00	.05
234.00	.00	0	-250.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.94	.00	.04	.00	.04
236.00	.00	0	-235.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.83	.00	.04	.00	.04
238.00	.00	0	-220.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.71	.00	.04	.00	.04
240.00	.00	0	-206.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.60	.00	.04	.00	.04
242.00	.00	0	-192.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.49	.00	.03	.00	.03
244.00	.00	0	-178.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.38	.00	.03	.00	.03
246.00	.00	0	-164.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.28	.00	.03	.00	.03
248.00	.00	0	-150.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.17	.00	.03	.00	.03
250.00	.00	0	-137.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.06	.00	.02	.00	.02
252.00	.00	0	-123.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.96	.00	.02	.00	.02
254.00	.00	0	-110.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.86	.00	.02	.00	.02
256.00	.00	0	-97.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.75	.00	.02	.00	.02
258.00	.00	0	-84.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.65	.00	.02	.00	.02
260.00	.00	0	-71.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.55	.00	.01	.00	.01
262.00	.00	0	-58.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.45	.00	.01	.00	.01
264.00	.00	0	-45.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.35	.00	.01	.00	.01
266.00	.00	0	-32.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.25	.00	.01	.00	.01
268.00	.00	0	-20.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.16	.00	.00	.00	.00

*** Pile Head Unity Check Report ***

Pile Joint	Group ID	Load Case	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check
			Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			
200	P33	5	33.71	140	-374.9	0.	351.5	140	139088.	139	33.00	16.49	36.0	-0.44	39.42	.74
112	P42	5	33.38	-79	2145.4	0.	395.5	-79	116698.	-79	42.00	1.75	36.0	9.70	54.58	1.24
122	P42	5	34.52	-37	247.4	0.	349.9	-36	122714.	-36	42.00	1.75	36.0	1.12	57.40	1.09
132	P42	5	35.09	-38	682.3	0.	368.2	-38	124809.	-38	42.00	1.75	36.0	3.08	58.38	1.15
142	P42	5	35.68	4	-1375.7	0.	308.2	4	129523.	4	42.00	1.75	36.0	-6.22	60.58	1.27
152	P42	5	31.66	187	-515.0	0.	307.1	188	114476.	-171	42.00	1.75	36.0	-2.33	53.55	1.05
162	P42	5	32.75	140	-2557.2	0.	254.3	140	120817.	140	42.00	1.75	36.0	-11.56	56.51	1.31
172	P42	5	33.45	139	-2300.2	0.	264.9	139	122021.	140	42.00	1.75	36.0	-10.39	57.07	1.30

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

Joint	Group ID	Load Case	Dist. Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check	
			Along Pile (Ft)	Normal To Pile (In)			Value (Kips)	Angle (Deg)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)				WT (In)	Fy (KSI)
200	P33	5	.0033	71	140	-374.9	0.	351.5	140	139088.	139	33.00	16.49	36.0	-44	39.42	.74
112	P42	5	.0033	38	-79	2145.4	0.	395.5	-79	116698.	-79	42.00	1.75	36.0	9.70	54.58	1.24
122	P42	5	.0034	52	-37	247.4	0.	349.9	-36	122714.	-36	42.00	1.75	36.0	1.12	57.40	1.09
132	P42	5	.0035	09	-38	682.3	0.	368.2	-38	124809.	-38	42.00	1.75	36.0	3.08	58.38	1.15
142	P42	5	.0035	68	4	-1375.7	0.	308.2	4	129523.	4	42.00	1.75	36.0	-6.22	60.58	1.27
152	P42	5	.0031	66	187	-515.0	0.	307.1	188	114476.	-171	42.00	1.75	36.0	-2.33	53.55	1.05
162	P42	5	.0032	75	140	-2557.2	0.	254.3	140	120817.	140	42.00	1.75	36.0	-11.56	56.51	1.31
172	P42	5	.0033	45	139	-2300.2	0.	264.9	139	122021.	140	42.00	1.75	36.0	-10.39	57.07	1.30

*** File Group Summary Report - Group P33 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Load Case	Pile Joint	Unity Check
	Normal Value (In)	To Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD	WT	Fy					
.00	33.71	140	-374.9	0.	351.5	140	139088.	139	33.00	16.49	36.0	-.44	39.42	5	200	.74
2.01	33.14	140	-380.1	0.	350.0	140	130390.	139	33.00	16.49	36.0	-.44	36.96	5	200	.69
4.02	32.53	140	-385.3	0.	348.4	140	121707.	139	33.00	16.49	36.0	-.45	34.50	5	200	.65
6.04	31.88	140	-390.5	0.	346.6	140	113044.	139	33.00	16.49	36.0	-.46	32.04	5	200	.60
8.05	31.19	140	-395.7	0.	344.7	140	104406.	139	33.00	16.49	36.0	-.46	29.59	5	200	.56
10.06	30.47	140	-400.9	0.	342.6	140	95796.	139	33.00	16.49	36.0	-.47	27.15	5	200	.51
12.07	29.71	140	-406.1	0.	340.4	140	87220.	139	33.00	16.49	36.0	-.47	24.72	5	200	.47
14.09	28.92	140	-411.3	0.	338.0	140	78682.	139	33.00	16.49	36.0	-.48	22.30	5	200	.42
16.10	28.10	140	-416.5	0.	335.5	140	70185.	139	33.00	16.49	36.0	-.49	19.89	5	200	.38
18.11	27.26	140	-421.7	0.	332.9	140	61734.	138	33.00	16.49	36.0	-.49	17.50	5	200	.34
20.12	26.40	140	-426.9	0.	330.2	140	53334.	138	33.00	16.49	36.0	-.50	15.12	5	200	.29
22.14	25.52	140	-432.1	0.	327.3	140	44988.	138	33.00	16.49	36.0	-.51	12.75	5	200	.25
24.15	24.62	140	-437.3	0.	324.3	140	36701.	138	33.00	16.49	36.0	-.51	10.40	5	200	.20
26.16	23.71	140	-442.5	0.	321.2	140	28479.	137	33.00	16.49	36.0	-.52	8.07	5	200	.16
28.17	22.79	140	-447.7	0.	318.0	140	20328.	136	33.00	16.49	36.0	-.52	5.76	5	200	.12
30.19	21.87	140	-452.9	0.	314.7	140	12260.	134	33.00	16.49	36.0	-.53	3.48	5	200	.08
32.20	20.94	140	-458.8	0.	305.4	139	4362.	123	33.00	16.49	36.0	-.53	1.24	5	200	.04
34.21	20.01	140	-459.4	0.	290.3	139	3839.	-20	33.00	16.49	36.0	-.54	1.09	5	200	.03
36.22	19.08	140	-461.9	0.	275.5	139	11134.	-33	33.00	16.49	36.0	-.54	3.16	5	200	.07
38.23	18.15	140	-464.5	0.	261.0	139	18187.	-36	33.00	16.49	36.0	-.54	5.16	5	200	.11
40.25	17.23	140	-467.0	0.	246.7	139	24904.	-37	33.00	16.49	36.0	-.55	7.06	5	200	.14
42.26	16.32	140	-469.6	0.	232.6	139	31279.	-37	33.00	16.49	36.0	-.55	8.87	5	200	.18
44.27	15.42	140	-472.2	0.	218.8	139	37314.	-38	33.00	16.49	36.0	-.55	10.58	5	200	.21
46.28	14.53	140	-474.8	0.	205.3	139	43014.	-38	33.00	16.49	36.0	-.56	12.19	5	200	.24
48.30	13.66	140	-477.5	0.	192.0	139	48382.	-38	33.00	16.49	36.0	-.56	13.71	5	200	.27
50.31	12.80	140	-480.1	0.	179.0	139	53426.	-38	33.00	16.49	36.0	-.56	15.14	5	200	.29
52.32	11.97	140	-482.8	0.	166.4	139	58150.	-38	33.00	16.49	36.0	-.56	16.48	5	200	.32
54.33	11.15	140	-485.4	0.	154.0	139	62561.	-38	33.00	16.49	36.0	-.57	17.73	5	200	.34
56.35	10.35	140	-488.1	0.	141.9	139	66665.	-39	33.00	16.49	36.0	-.57	18.90	5	200	.36
58.36	9.58	140	-490.8	0.	130.1	139	70468.	-39	33.00	16.49	36.0	-.57	19.97	5	200	.38
60.37	8.83	140	-493.5	0.	118.7	139	73977.	-39	33.00	16.49	36.0	-.58	20.97	5	200	.40
62.38	8.11	140	-496.3	0.	107.6	139	77199.	-39	33.00	16.49	36.0	-.58	21.88	5	200	.42
64.40	7.41	140	-499.0	0.	96.8	139	80142.	-39	33.00	16.49	36.0	-.58	22.72	5	200	.43
66.41	6.74	140	-501.8	0.	86.3	139	82811.	-39	33.00	16.49	36.0	-.59	23.47	5	200	.45
68.42	6.10	140	-504.5	0.	76.2	138	85215.	-39	33.00	16.49	36.0	-.59	24.15	5	200	.46
70.43	5.49	140	-507.3	0.	66.4	138	87362.	-39	33.00	16.49	36.0	-.59	24.76	5	200	.47
72.44	4.91	140	-510.1	0.	57.0	138	89260.	-39	33.00	16.49	36.0	-.60	25.30	5	200	.48
74.46	4.36	140	-512.9	0.	48.0	138	90916.	-39	33.00	16.49	36.0	-.60	25.77	5	200	.49
76.47	3.84	140	-515.8	0.	39.3	137	92339.	-39	33.00	16.49	36.0	-.60	26.17	5	200	.50
78.48	3.36	140	-518.6	0.	31.0	136	93539.	-39	33.00	16.49	36.0	-.61	26.51	5	200	.51
80.49	2.90	140	-521.5	0.	23.2	135	94523.	-39	33.00	16.49	36.0	-.61	26.79	5	200	.51
82.51	2.48	140	-524.3	0.	15.8	133	95301.	-39	33.00	16.49	36.0	-.61	27.01	5	200	.51
84.52	2.09	140	-527.2	0.	8.9	128	95885.	-39	33.00	16.49	36.0	-.62	27.18	5	200	.52
86.53	1.74	140	-530.1	0.	2.7	99	96283.	-39	33.00	16.49	36.0	-.62	27.29	5	200	.52
88.54	1.41	140	-533.0	0.	4.4	-16	96505.	-39	33.00	16.49	36.0	-.62	27.35	5	200	.52
90.56	1.12	140	-536.0	0.	9.9	-29	96560.	-39	33.00	16.49	36.0	-.63	27.37	5	200	.52
92.57	.87	140	-538.9	0.	15.1	-33	96461.	-39	33.00	16.49	36.0	-.63	27.34	5	200	.52
94.58	.65	140	-541.9	0.	19.9	-34	96218.	-39	33.00	16.49	36.0	-.63	27.27	5	200	.52
96.59	.46	140	-544.9	0.	24.1	-35	95843.	-39	33.00	16.49	36.0	-.64	27.17	5	200	.52
98.60	.30	140	-547.9	0.	27.7	-36	95348.	-39	33.00	16.49	36.0	-.64	27.03	5	200	.52

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

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial		Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Load Case	Pile Joint	Unity Check
	Value (In)	Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD /-- (In)	WT --/-----	Fy (KSI)					
100.62	.18	140	-547.5	0.	340.1	-39	94747.	-39	33.00	16.49	36.0	-.64	26.86	5	200	.51
102.63	.09	140	-543.8	0.	652.1	-39	86584.	-39	33.00	16.49	36.0	-.64	24.54	5	200	.47
104.64	.03	139	-540.2	0.	745.1	-39	70870.	-39	33.00	16.49	36.0	-.63	20.09	5	200	.39
106.65	.01	-39	-536.6	0.	701.5	-39	52896.	-39	33.00	16.49	36.0	-.63	14.99	5	200	.29
108.67	.03	-39	-533.1	0.	585.9	-39	35965.	-39	33.00	16.49	36.0	-.62	10.19	5	200	.20
110.68	.04	-39	-529.7	0.	444.4	-39	21820.	-39	33.00	16.49	36.0	-.62	6.18	5	200	.13
112.69	.03	-39	-526.4	0.	306.8	-39	11086.	-39	33.00	16.49	36.0	-.62	3.14	5	200	.07
114.70	.03	-39	-523.1	0.	189.4	-39	3674.	-40	33.00	16.49	36.0	-.61	1.04	5	200	.03
116.72	.02	-39	-519.9	0.	98.9	-39	902.	140	33.00	16.49	36.0	-.61	.26	5	200	.02
118.73	.02	-39	-516.8	0.	35.4	-40	3293.	140	33.00	16.49	36.0	-.60	.93	5	200	.03
120.74	.01	-39	-513.7	0.	4.4	141	4151.	140	33.00	16.49	36.0	-.60	1.18	5	200	.04
122.75	.00	-39	-510.8	0.	25.7	140	4047.	140	33.00	16.49	36.0	-.60	1.15	5	200	.04
124.77	.00	-40	-507.8	0.	33.8	140	3428.	140	33.00	16.49	36.0	-.59	.97	5	200	.03
126.78	.00	0	-505.0	0.	33.6	140	2613.	140	33.00	16.49	36.0	-.59	.74	5	200	.03
128.79	.00	140	-502.2	0.	28.7	140	1803.	140	33.00	16.49	36.0	-.59	.51	5	200	.02
130.80	.00	140	-499.5	0.	22.0	140	1109.	140	33.00	16.49	36.0	-.58	.31	5	200	.02
132.81	.00	140	-496.9	0.	15.3	140	577.	140	33.00	16.49	36.0	-.58	.16	5	200	.02
134.83	.00	140	-494.3	0.	9.4	140	208.	139	33.00	16.49	36.0	-.58	.06	5	200	.01
136.84	.00	140	-491.8	0.	4.9	140	20.	-38	33.00	16.49	36.0	-.57	.01	5	200	.01
138.85	.00	140	-489.4	0.	1.8	139	139.	-39	33.00	16.49	36.0	-.57	.04	5	200	.01
140.86	.00	140	-487.0	0.	.2	-38	182.	-39	33.00	16.49	36.0	-.57	.05	5	200	.01
142.88	.00	140	-484.7	0.	1.2	-39	179.	-39	33.00	16.49	36.0	-.57	.05	5	200	.01
144.89	.00	0	-482.4	0.	1.6	-39	150.	-39	33.00	16.49	36.0	-.56	.04	5	200	.01
146.90	.00	0	-480.3	0.	1.5	-39	113.	-39	33.00	16.49	36.0	-.56	.03	5	200	.01
148.91	.00	0	-478.1	0.	1.3	-39	76.	-39	33.00	16.49	36.0	-.56	.02	5	200	.01
150.93	.00	0	-475.8	0.	1.0	-39	44.	-39	33.00	16.49	36.0	-.56	.01	5	200	.01
152.94	.00	0	-473.3	0.	.6	-39	21.	-39	33.00	16.49	36.0	-.55	.01	5	200	.01
154.95	.00	0	-470.8	0.	.3	-39	7.	-40	33.00	16.49	36.0	-.55	.00	5	200	.01
156.96	.00	0	-468.4	0.	.1	-40	0.	-46	33.00	16.49	36.0	-.55	.00	5	200	.01
158.98	.00	0	-466.1	0.	.0	140	1.	140	33.00	16.49	36.0	-.54	.00	5	200	.01
160.99	.00	0	-463.8	0.	.0	140	1.	140	33.00	16.49	36.0	-.54	.00	5	200	.01

*** Group Critical Pile Report I - Group P33 - Pile 200 - Load Case 5 ***

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)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
.00	33.71	140	-374.9	0.	351.5	140	139088.	139	33.00	16.49	36.0	-.44	39.42	.01	.73	.74
2.01	33.14	140	-380.1	0.	350.0	140	130390.	139	33.00	16.49	36.0	-.44	36.96	.01	.68	.69
4.02	32.53	140	-385.3	0.	348.4	140	121707.	139	33.00	16.49	36.0	-.45	34.50	.01	.64	.65
6.04	31.88	140	-390.5	0.	346.6	140	113044.	139	33.00	16.49	36.0	-.46	32.04	.01	.59	.60
8.05	31.19	140	-395.7	0.	344.7	140	104406.	139	33.00	16.49	36.0	-.46	29.59	.01	.55	.56
10.06	30.47	140	-400.9	0.	342.6	140	95796.	139	33.00	16.49	36.0	-.47	27.15	.01	.50	.51
12.07	29.71	140	-406.1	0.	340.4	140	87220.	139	33.00	16.49	36.0	-.47	24.72	.01	.46	.47
14.09	28.92	140	-411.3	0.	338.0	140	78682.	139	33.00	16.49	36.0	-.48	22.30	.01	.41	.42
16.10	28.10	140	-416.5	0.	335.5	140	70185.	139	33.00	16.49	36.0	-.49	19.89	.01	.37	.38
18.11	27.25	140	-421.7	0.	332.9	140	61734.	138	33.00	16.49	36.0	-.49	17.50	.01	.32	.34
20.12	26.40	140	-426.9	0.	330.2	140	53334.	138	33.00	16.49	36.0	-.50	15.12	.01	.28	.29
22.14	25.52	140	-432.1	0.	327.3	140	44988.	138	33.00	16.49	36.0	-.51	12.75	.01	.24	.25
24.15	24.62	140	-437.3	0.	324.3	140	36701.	138	33.00	16.49	36.0	-.51	10.40	.01	.19	.20
26.16	23.71	140	-442.5	0.	321.2	140	28479.	137	33.00	16.49	36.0	-.52	8.07	.01	.15	.16
28.17	22.79	140	-447.7	0.	318.0	140	20328.	136	33.00	16.49	36.0	-.52	5.76	.01	.11	.12
30.19	21.87	140	-452.9	0.	314.7	140	12250.	134	33.00	16.49	36.0	-.53	3.48	.01	.06	.08
32.20	20.94	140	-456.8	0.	305.4	139	4362.	123	33.00	16.49	36.0	-.53	1.24	.01	.02	.04
34.21	20.01	140	-459.4	0.	290.3	139	3839.	-20	33.00	16.49	36.0	-.54	1.09	.01	.02	.03
36.22	19.08	140	-461.9	0.	275.5	139	11134.	-33	33.00	16.49	36.0	-.54	3.16	.01	.06	.07
38.23	18.15	140	-464.5	0.	261.0	139	18187.	-36	33.00	16.49	36.0	-.54	5.16	.01	.10	.11
40.25	17.23	140	-467.0	0.	246.7	139	24904.	-37	33.00	16.49	36.0	-.55	7.06	.01	.13	.14
42.26	16.32	140	-469.6	0.	232.6	139	31279.	-37	33.00	16.49	36.0	-.55	8.87	.01	.16	.18
44.27	15.42	140	-472.2	0.	218.8	139	37314.	-38	33.00	16.49	36.0	-.55	10.58	.01	.20	.21
46.28	14.53	140	-474.8	0.	205.3	139	43014.	-38	33.00	16.49	36.0	-.56	12.19	.01	.23	.24
48.30	13.66	140	-477.5	0.	192.0	139	48382.	-38	33.00	16.49	36.0	-.56	13.71	.01	.25	.27
50.31	12.80	140	-480.1	0.	179.0	139	53426.	-38	33.00	16.49	36.0	-.56	15.14	.01	.28	.29
52.32	11.97	140	-482.8	0.	166.4	139	58150.	-38	33.00	16.49	36.0	-.56	16.48	.01	.31	.32
54.33	11.15	140	-485.4	0.	154.0	139	62561.	-38	33.00	16.49	36.0	-.57	17.73	.01	.33	.34
56.35	10.35	140	-488.1	0.	141.9	139	66665.	-39	33.00	16.49	36.0	-.57	18.90	.01	.35	.36
58.36	9.58	140	-490.8	0.	130.1	139	70468.	-39	33.00	16.49	36.0	-.57	19.97	.01	.37	.38
60.37	8.83	140	-493.5	0.	118.7	139	73977.	-39	33.00	16.49	36.0	-.58	20.97	.01	.39	.40
62.38	8.11	140	-496.3	0.	107.6	139	77199.	-39	33.00	16.49	36.0	-.58	21.88	.01	.41	.42
64.40	7.41	140	-499.0	0.	96.8	139	80142.	-39	33.00	16.49	36.0	-.58	22.72	.01	.42	.43
66.41	6.74	140	-501.8	0.	86.3	139	82811.	-39	33.00	16.49	36.0	-.59	23.47	.01	.43	.45
68.42	6.10	140	-504.5	0.	76.2	138	85215.	-39	33.00	16.49	36.0	-.59	24.15	.01	.45	.46
70.43	5.49	140	-507.3	0.	66.4	138	87362.	-39	33.00	16.49	36.0	-.59	24.76	.01	.46	.47
72.44	4.91	140	-510.1	0.	57.0	138	89260.	-39	33.00	16.49	36.0	-.60	25.30	.01	.47	.48
74.46	4.36	140	-512.9	0.	48.0	138	90916.	-39	33.00	16.49	36.0	-.60	25.77	.01	.48	.49
76.47	3.84	140	-515.8	0.	39.3	137	92339.	-39	33.00	16.49	36.0	-.60	26.17	.01	.48	.50
78.48	3.36	140	-518.6	0.	31.0	136	93539.	-39	33.00	16.49	36.0	-.61	26.51	.01	.49	.51
80.49	2.90	140	-521.5	0.	23.2	135	94523.	-39	33.00	16.49	36.0	-.61	26.79	.01	.50	.51
82.51	2.48	140	-524.3	0.	15.8	133	95301.	-39	33.00	16.49	36.0	-.61	27.01	.01	.50	.51
84.52	2.09	140	-527.2	0.	8.9	128	95885.	-39	33.00	16.49	36.0	-.62	27.18	.01	.50	.52
86.53	1.74	140	-530.1	0.	2.7	99	96283.	-39	33.00	16.49	36.0	-.62	27.29	.01	.51	.52
88.54	1.41	140	-533.0	0.	4.4	-16	96505.	-39	33.00	16.49	36.0	-.62	27.35	.01	.51	.52
90.56	1.12	140	-536.0	0.	9.9	-29	96560.	-39	33.00	16.49	36.0	-.63	27.37	.01	.51	.52
92.57	.87	140	-538.9	0.	15.1	-33	96461.	-39	33.00	16.49	36.0	-.63	27.34	.01	.51	.52
94.58	.65	140	-541.9	0.	19.9	-34	96218.	-39	33.00	16.49	36.0	-.63	27.27	.01	.51	.52
96.59	.46	140	-544.9	0.	24.1	-35	95843.	-39	33.00	16.49	36.0	-.64	27.17	.01	.50	.52
98.60	.30	140	-547.9	0.	27.7	-36	95348.	-39	33.00	16.49	36.0	-.64	27.03	.01	.50	.52

*** Group Critical Pile Report 1 - Group P33 - Pile 200 - Load Case 5 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	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 (KSI)			Axial	Bend.	Total
100.62	.18	140	-547.5	0.	340.1	-39	94747.	-39	33.00	16.49	36.0	-.64	26.86	.01	.50	.51
102.63	.09	140	-543.8	0.	652.1	-39	86584.	-39	33.00	16.49	36.0	-.64	24.54	.01	.45	.47
104.64	.03	139	-540.2	0.	745.1	-39	70870.	-39	33.00	16.49	36.0	-.63	20.09	.01	.37	.39
106.65	.01	-39	-536.6	0.	701.5	-39	52896.	-39	33.00	16.49	36.0	-.63	14.99	.01	.28	.29
108.67	.03	-39	-533.1	0.	585.9	-39	35965.	-39	33.00	16.49	36.0	-.62	10.19	.01	.19	.20
110.68	.04	-39	-529.7	0.	444.4	-39	21820.	-39	33.00	16.49	36.0	-.62	6.18	.01	.11	.13
112.69	.03	-39	-526.4	0.	306.8	-39	11086.	-39	33.00	16.49	36.0	-.62	3.14	.01	.06	.07
114.70	.03	-39	-523.1	0.	189.4	-39	3674.	-40	33.00	16.49	36.0	-.61	1.04	.01	.02	.03
116.72	.02	-39	-519.9	0.	96.9	-39	902.	140	33.00	16.49	36.0	-.61	.26	.01	.00	.02
118.73	.02	-39	-516.8	0.	35.4	-40	3293.	140	33.00	16.49	36.0	-.60	.93	.01	.02	.03
120.74	.01	-39	-513.7	0.	4.4	141	4151.	140	33.00	16.49	36.0	-.60	1.18	.01	.02	.04
122.75	.00	-39	-510.8	0.	25.7	140	4047.	140	33.00	16.49	36.0	-.60	1.15	.01	.02	.04
124.77	.00	-40	-507.8	0.	33.8	140	3428.	140	33.00	16.49	36.0	-.59	.97	.01	.02	.03
126.78	.00	0	-505.0	0.	33.6	140	2613.	140	33.00	16.49	36.0	-.59	.74	.01	.01	.03
128.79	.00	140	-502.2	0.	28.7	140	1803.	140	33.00	16.49	36.0	-.59	.51	.01	.01	.02
130.80	.00	140	-499.5	0.	22.0	140	1109.	140	33.00	16.49	36.0	-.58	.31	.01	.01	.02
132.81	.00	140	-496.9	0.	15.3	140	577.	140	33.00	16.49	36.0	-.58	.16	.01	.00	.02
134.83	.00	140	-494.3	0.	9.4	140	208.	139	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	139	139.	-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	179.	-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	113.	-39	33.00	16.49	36.0	-.56	.03	.01	.00	.01
148.91	.00	0	-478.1	0.	1.3	-39	76.	-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.	-40	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 Group Summary Report - Group P42 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Load Case	Pile Joint	Unity Check
	Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT (LBS)	Fy (KSI)					
.00	32.75	140	-2557.2	0.	254.3	140	120817.	140	42.00	1.75	36.0	-11.56	56.51	5	162	1.31
2.00	32.16	140	-2557.5	0.	252.6	140	113225.	140	42.00	1.75	36.0	-11.56	52.96	5	162	1.25
4.00	31.53	140	-2557.8	0.	250.7	140	105545.	140	42.00	1.75	36.0	-11.56	49.37	5	162	1.18
6.00	30.85	140	-2558.1	0.	248.7	140	97790.	140	42.00	1.75	36.0	-11.56	45.74	5	162	1.11
8.00	30.13	140	-2558.4	0.	246.5	140	89973.	140	42.00	1.75	36.0	-11.56	42.08	5	162	1.05
10.00	29.37	140	-2558.6	0.	244.2	140	82107.	140	42.00	1.75	36.0	-11.56	38.40	5	162	.98
12.00	28.57	140	-2558.8	0.	241.7	140	74204.	140	42.00	1.75	36.0	-11.56	34.71	5	162	.91
14.00	27.74	140	-2559.1	0.	239.0	140	66277.	140	42.00	1.75	36.0	-11.56	31.00	5	162	.84
16.00	26.88	140	-2559.3	0.	236.2	140	58339.	139	42.00	1.75	36.0	-11.57	27.29	5	162	.77
18.00	25.99	140	-2559.5	0.	233.3	140	50401.	139	42.00	1.75	36.0	-11.57	23.57	5	162	.70
20.00	25.08	140	-2559.7	0.	230.3	140	42476.	139	42.00	1.75	36.0	-11.57	19.87	5	162	.64
22.00	24.16	140	-2559.9	0.	227.1	140	34576.	139	42.00	1.75	36.0	-11.57	16.17	5	162	.57
24.00	23.21	140	-2560.0	0.	223.8	140	26714.	139	42.00	1.75	36.0	-11.57	12.50	5	162	.50
26.00	22.26	140	-2560.2	0.	220.4	140	18902.	138	42.00	1.75	36.0	-11.57	8.84	5	162	.43
28.00	21.29	140	-2560.3	0.	216.9	140	11154.	137	42.00	1.75	36.0	-11.57	5.22	5	162	.36
30.00	20.33	140	-2560.5	0.	213.3	140	3505.	130	42.00	1.75	36.0	-11.57	1.64	5	162	.30
32.00	19.36	140	-2560.6	0.	209.5	140	4186.	-31	42.00	1.75	36.0	-11.57	1.96	5	162	.30
34.00	18.39	140	-2557.7	0.	199.1	140	11666.	-36	42.00	1.75	36.0	-11.56	5.46	5	162	.37
36.00	17.43	140	-2551.8	0.	182.3	140	18900.	-37	42.00	1.75	36.0	-11.53	8.84	5	162	.43
38.00	16.47	140	-2545.9	0.	165.9	140	25708.	-38	42.00	1.75	36.0	-11.50	12.03	5	162	.49
40.00	15.53	140	-2539.9	0.	149.7	140	32088.	-38	42.00	1.75	36.0	-11.48	15.01	5	162	.54
42.00	14.60	140	-2533.8	0.	133.9	140	38039.	-38	42.00	1.75	36.0	-11.45	17.79	5	162	.59
44.00	13.69	140	-2527.6	0.	118.4	140	43563.	-38	42.00	1.75	36.0	-11.42	20.38	5	162	.64
46.00	12.80	140	-2521.4	0.	103.3	140	48661.	-38	42.00	1.75	36.0	-11.39	22.76	5	162	.69
48.00	11.93	140	-2515.2	0.	88.5	139	53337.	-38	42.00	1.75	36.0	-11.37	24.95	5	162	.73
50.00	11.08	140	-2508.8	0.	74.1	139	57593.	-38	42.00	1.75	36.0	-11.34	26.94	5	162	.76
52.00	10.26	140	-2502.4	0.	60.1	139	61434.	-38	42.00	1.75	36.0	-11.31	28.74	5	162	.79
54.00	9.46	140	-2496.0	0.	46.4	139	64865.	-39	42.00	1.75	36.0	-11.28	30.34	5	162	.82
56.00	8.69	140	-2489.5	0.	33.1	138	67891.	-39	42.00	1.75	36.0	-11.25	31.76	5	162	.85
58.00	7.96	140	-2482.9	0.	20.2	137	70518.	-39	42.00	1.75	36.0	-11.22	32.98	5	162	.87
60.00	7.25	140	-2476.2	0.	7.8	133	72753.	-39	42.00	1.75	36.0	-11.19	34.03	5	162	.89
62.00	6.58	140	-2469.5	0.	4.5	-26	74604.	-39	42.00	1.75	36.0	-11.16	34.90	5	162	.90
64.00	5.94	140	-2462.8	0.	16.2	-35	76078.	-39	42.00	1.75	36.0	-11.13	35.59	5	162	.92
66.00	5.33	140	-2455.9	0.	27.4	-37	77185.	-39	42.00	1.75	36.0	-11.10	36.10	5	162	.93
68.00	4.76	140	-2449.1	0.	38.2	-37	77933.	-39	42.00	1.75	36.0	-11.07	36.45	5	162	.93
70.00	4.22	140	-2442.1	0.	48.7	-38	78332.	-39	42.00	1.75	36.0	-11.04	36.64	5	162	.93
72.00	3.72	140	-2435.1	0.	58.6	-38	78392.	-39	42.00	1.75	36.0	-11.00	36.67	5	162	.93
74.00	3.25	140	-2428.0	0.	68.1	-38	78126.	-39	42.00	1.75	36.0	-10.97	36.54	5	162	.93
76.00	2.82	140	-2420.9	0.	77.1	-38	77545.	-39	42.00	1.75	36.0	-10.94	36.27	5	162	.92
78.00	2.42	140	-2413.7	0.	85.8	-38	76661.	-39	42.00	1.75	36.0	-10.91	35.86	5	162	.92
80.00	2.05	140	-2406.5	0.	94.0	-38	75486.	-39	42.00	1.75	36.0	-10.88	35.31	5	162	.91
82.00	1.72	140	-2399.2	0.	101.6	-38	74031.	-39	42.00	1.75	36.0	-10.84	34.63	5	162	.89
84.00	1.42	140	-2391.8	0.	108.8	-38	72311.	-39	42.00	1.75	36.0	-10.81	33.82	5	162	.88
86.00	1.15	140	-2384.4	0.	115.6	-38	70340.	-39	42.00	1.75	36.0	-10.78	32.90	5	162	.86
88.00	.91	140	-2376.9	0.	121.8	-38	68131.	-39	42.00	1.75	36.0	-10.74	31.87	5	162	.84
90.00	.71	140	-2369.4	0.	127.5	-39	65695.	-39	42.00	1.75	36.0	-10.71	30.73	5	162	.82
92.00	.53	140	-2361.8	0.	132.7	-39	63060.	-39	42.00	1.75	36.0	-10.67	29.50	5	162	.79
94.00	.65	-79	1782.4	0.	18.0	100	68609.	100	42.00	1.75	36.0	8.05	32.09	5	112	.78
96.00	.47	-79	1773.0	0.	23.0	100	67854.	100	42.00	1.75	36.0	8.01	31.74	5	112	.77
98.00	.32	-79	1763.7	0.	27.3	100	67095.	100	42.00	1.75	36.0	7.97	31.36	5	112	.77

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

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Load Case	Pile Joint	Unity Check
	Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT (Lbs)	Fy (KSI)					
100.00	.20	-79	1754.5	0.	30.5	100	66164.	100	42.00	1.75	36.0	7.93	30.95	5	112	.76
102.00	.11	-79	1713.2	0.	398.9	100	65270.	100	42.00	1.75	36.0	7.74	30.53	5	112	.74
104.00	.04	-79	1672.8	0.	544.4	100	55587.	100	42.00	1.75	36.0	7.56	26.00	5	112	.66
106.00	.00	-79	1633.2	0.	546.8	100	42453.	100	42.00	1.75	36.0	7.38	19.86	5	112	.54
108.00	.02	100	1594.5	0.	470.2	100	29295.	100	42.00	1.75	36.0	7.21	13.70	5	112	.42
110.00	.03	100	1555.7	0.	361.2	100	17996.	100	42.00	1.75	36.0	7.03	8.42	5	112	.32
112.00	.03	100	1519.6	0.	250.1	100	9327.	100	42.00	1.75	36.0	6.87	4.36	5	112	.24
114.00	.01	-39	-1955.5	0.	65.3	-39	108.	144	42.00	1.75	36.0	-8.84	.05	5	162	.20
116.00	.01	-39	-1909.4	0.	23.9	-39	1684.	140	42.00	1.75	36.0	-8.63	.79	5	162	.21
118.00	.01	-39	-1864.4	0.	1.7	142	2266.	140	42.00	1.75	36.0	-8.43	1.06	5	162	.21
120.00	.00	-39	-1820.3	0.	15.1	140	2230.	140	42.00	1.75	36.0	-8.23	1.04	5	162	.21
122.00	.00	-39	-1777.2	0.	19.9	140	1871.	140	42.00	1.75	36.0	-8.03	.88	5	162	.20
124.00	.00	0	-1735.0	0.	19.4	140	1395.	140	42.00	1.75	36.0	-7.84	.65	5	162	.19
126.00	.00	140	-1693.7	0.	16.2	140	931.	140	42.00	1.75	36.0	-7.65	.44	5	162	.19
128.00	.00	140	-1653.3	0.	12.0	140	543.	140	42.00	1.75	36.0	-7.47	.25	5	162	.18
130.00	.00	140	-1613.7	0.	7.9	140	256.	140	42.00	1.75	36.0	-7.29	.12	5	162	.17
132.00	.00	140	-1575.0	0.	4.5	140	67.	140	42.00	1.75	36.0	-7.12	.03	5	162	.16
134.00	.00	140	-1537.1	0.	2.1	140	41.	-39	42.00	1.75	36.0	-6.95	.02	5	162	.16
136.00	.00	140	-1500.0	0.	.4	140	91.	-39	42.00	1.75	36.0	-6.78	.04	5	162	.16
138.00	.00	140	-1463.6	0.	.5	-39	102.	-39	42.00	1.75	36.0	-6.61	.05	5	162	.15
140.00	.00	0	-1428.0	0.	.9	-39	91.	-39	42.00	1.75	36.0	-6.45	.04	5	162	.15
142.00	.00	0	-1393.2	0.	.9	-39	71.	-39	42.00	1.75	36.0	-6.30	.03	5	162	.15
144.00	.00	0	-1359.1	0.	.8	-39	49.	-39	42.00	1.75	36.0	-6.14	.02	5	162	.14
146.00	.00	0	-1325.7	0.	.6	-39	29.	-39	42.00	1.75	36.0	-5.99	.01	5	162	.14
148.00	.00	0	-1293.0	0.	.4	-39	14.	-39	42.00	1.75	36.0	-5.84	.01	5	162	.14
150.00	.00	0	-1259.7	0.	.3	-39	4.	-39	42.00	1.75	36.0	-5.69	.00	5	162	.13
152.00	.00	0	-1225.9	0.	.1	-39	1.	140	42.00	1.75	36.0	-5.54	.00	5	162	.13
154.00	.00	0	-1192.9	0.	.0	-40	4.	140	42.00	1.75	36.0	-5.39	.00	5	162	.12
156.00	.00	0	-1160.4	0.	.0	140	4.	140	42.00	1.75	36.0	-5.24	.00	5	162	.12
158.00	.00	0	-1128.7	0.	.0	140	4.	140	42.00	1.75	36.0	-5.10	.00	5	162	.12
160.00	.00	0	-1097.5	0.	.0	140	3.	140	42.00	1.75	36.0	-4.96	.00	5	162	.11
162.00	.00	0	-1067.0	0.	.0	140	1.	140	42.00	1.75	36.0	-4.82	.00	5	162	.11
164.00	.00	0	-1037.1	0.	.0	140	1.	140	42.00	1.75	36.0	-4.69	.00	5	162	.11
166.00	.00	0	-1007.7	0.	.0	140	0.	140	42.00	1.75	36.0	-4.55	.00	5	162	.11
168.00	.00	0	-978.9	0.	.0	140	0.	138	42.00	1.75	36.0	-4.42	.00	5	162	.10
170.00	.00	0	-950.5	0.	.0	140	0.	-39	42.00	1.50	36.0	-4.98	.00	5	162	.12
172.00	.00	0	-922.7	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.83	.00	5	162	.11
174.00	.00	0	-895.4	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.69	.00	5	162	.11
176.00	.00	0	-868.7	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.55	.00	5	162	.11
178.00	.00	0	-842.6	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.42	.00	5	162	.10
180.00	.00	0	-816.9	0.	.0	-39	0.	-39	42.00	1.25	36.0	-5.11	.00	5	162	.12
182.00	.00	0	-791.8	0.	.0	-39	0.	-39	42.00	1.25	36.0	-4.95	.00	5	162	.11
184.00	.00	0	-767.2	0.	.0	-39	0.	-48	42.00	1.25	36.0	-4.79	.00	5	162	.11
186.00	.00	0	-743.3	0.	.0	0	0.	140	42.00	1.25	36.0	-4.64	.00	5	162	.11
188.00	.00	0	-719.9	0.	.0	0	0.	140	42.00	1.25	36.0	-4.50	.00	5	162	.10
190.00	.00	0	-696.9	0.	.0	0	0.	140	42.00	1.00	36.0	-5.41	.00	5	162	.13
192.00	.00	0	-674.6	0.	.0	0	0.	140	42.00	1.00	36.0	-5.24	.00	5	162	.12
194.00	.00	0	-652.8	0.	.0	0	0.	140	42.00	1.00	36.0	-5.07	.00	5	162	.12
196.00	.00	0	-631.7	0.	.0	0	0.	140	42.00	1.00	36.0	-4.90	.00	5	162	.11
198.00	.00	0	-611.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.75	.00	5	162	.11

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

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 To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)					
200.00	.00	0	-591.3	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.59	.00	5	162	.11
202.00	.00	0	-571.9	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.44	.00	5	162	.10
204.00	.00	0	-553.1	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.29	.00	5	162	.10
206.00	.00	0	-534.8	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.15	.00	5	162	.10
208.00	.00	0	-517.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.01	.00	5	162	.09
210.00	.00	0	-499.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.88	.00	5	162	.09
212.00	.00	0	-481.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.73	.00	5	162	.09
214.00	.00	0	-460.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.58	.00	5	162	.08
216.00	.00	0	-440.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.42	.00	5	162	.08
218.00	.00	0	-421.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.27	.00	5	162	.08
220.00	.00	0	-402.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.12	.00	5	162	.07
222.00	.00	0	-383.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.98	.00	5	162	.07
224.00	.00	0	-365.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.84	.00	5	162	.07
226.00	.00	0	-347.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.70	.00	5	162	.06
228.00	.00	0	-329.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.56	.00	5	162	.06
230.00	.00	0	-312.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.43	.00	5	162	.06
232.00	.00	0	-295.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.29	.00	5	162	.05
234.00	.00	0	-278.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.16	.00	5	162	.05
236.00	.00	0	-262.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.04	.00	5	162	.05
238.00	.00	0	-246.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.91	.00	5	162	.04
240.00	.00	0	-230.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.79	.00	5	162	.04
242.00	.00	0	-214.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.66	.00	5	162	.04
244.00	.00	0	-198.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.54	.00	5	162	.04
246.00	.00	0	-183.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.42	.00	5	162	.03
248.00	.00	0	-168.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.31	.00	5	162	.03
250.00	.00	0	-153.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.19	.00	5	162	.03
252.00	.00	0	-138.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.07	.00	5	162	.02
254.00	.00	0	-123.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.96	.00	5	162	.02
256.00	.00	0	-109.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.85	.00	5	162	.02
258.00	.00	0	-94.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.73	.00	5	162	.02
260.00	.00	0	-80.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.62	.00	5	162	.01
262.00	.00	0	-65.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.51	.00	5	162	.01
264.00	.00	0	-51.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.40	.00	5	162	.01
266.00	.00	0	-37.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.29	.00	5	162	.01
268.00	.00	0	-22.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.18	.00	5	162	.00

Group Critical Pile Report 1 - Group P42 - Pile 162 - Load Case 5

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 /-- (In)	WT /-- (In)	Fy /-- (KSI)			Axial /-----	Bend. /-----	Total /-----
.00	32.75	140	-2557.2	0.	254.3	140	120817.	140	42.00	1.75	36.0	-11.56	56.51	.27	1.05	1.31
2.00	32.16	140	-2557.5	0.	252.6	140	113225.	140	42.00	1.75	36.0	-11.56	52.96	.27	.98	1.25
4.00	31.53	140	-2557.8	0.	250.7	140	105545.	140	42.00	1.75	36.0	-11.56	49.37	.27	.91	1.18
6.00	30.85	140	-2558.1	0.	248.7	140	97750.	140	42.00	1.75	36.0	-11.56	45.74	.27	.85	1.11
8.00	30.13	140	-2558.4	0.	246.5	140	89973.	140	42.00	1.75	36.0	-11.56	42.08	.27	.78	1.05
10.00	29.37	140	-2558.6	0.	244.2	140	82107.	140	42.00	1.75	36.0	-11.56	38.40	.27	.71	.98
12.00	28.57	140	-2558.8	0.	241.7	140	74204.	140	42.00	1.75	36.0	-11.56	34.71	.27	.64	.91
14.00	27.74	140	-2559.1	0.	239.0	140	66277.	140	42.00	1.75	36.0	-11.56	31.00	.27	.57	.84
16.00	26.88	140	-2559.3	0.	236.2	140	58339.	139	42.00	1.75	36.0	-11.57	27.29	.27	.51	.77
18.00	25.99	140	-2559.5	0.	233.3	140	50401.	139	42.00	1.75	36.0	-11.57	23.57	.27	.44	.70
20.00	25.08	140	-2559.7	0.	230.3	140	42476.	139	42.00	1.75	36.0	-11.57	19.87	.27	.37	.64
22.00	24.16	140	-2559.9	0.	227.1	140	34576.	139	42.00	1.75	36.0	-11.57	16.17	.27	.30	.57
24.00	23.21	140	-2560.0	0.	223.8	140	26714.	139	42.00	1.75	36.0	-11.57	12.50	.27	.23	.50
26.00	22.26	140	-2560.2	0.	220.4	140	18902.	138	42.00	1.75	36.0	-11.57	8.84	.27	.16	.43
28.00	21.29	140	-2560.3	0.	216.9	140	11154.	137	42.00	1.75	36.0	-11.57	5.22	.27	.10	.36
30.00	20.33	140	-2560.5	0.	213.3	140	3505.	130	42.00	1.75	36.0	-11.57	1.64	.27	.03	.30
32.00	19.36	140	-2560.6	0.	209.5	140	4186.	-31	42.00	1.75	36.0	-11.57	1.96	.27	.04	.30
34.00	18.39	140	-2557.7	0.	199.1	140	11666.	-36	42.00	1.75	36.0	-11.56	5.46	.27	.10	.37
36.00	17.43	140	-2551.8	0.	182.3	140	18900.	-37	42.00	1.75	36.0	-11.53	8.84	.27	.16	.43
38.00	16.47	140	-2545.9	0.	165.9	140	25708.	-38	42.00	1.75	36.0	-11.50	12.03	.27	.22	.49
40.00	15.53	140	-2539.9	0.	149.7	140	32088.	-38	42.00	1.75	36.0	-11.48	15.01	.27	.28	.54
42.00	14.60	140	-2533.8	0.	133.9	140	38039.	-38	42.00	1.75	36.0	-11.45	17.79	.27	.33	.59
44.00	13.69	140	-2527.6	0.	118.4	140	43563.	-38	42.00	1.75	36.0	-11.42	20.38	.26	.38	.64
46.00	12.80	140	-2521.4	0.	103.3	140	48661.	-38	42.00	1.75	36.0	-11.39	22.76	.26	.42	.69
48.00	11.93	140	-2515.2	0.	88.5	139	53337.	-38	42.00	1.75	36.0	-11.37	24.95	.26	.46	.73
50.00	11.08	140	-2508.8	0.	74.1	139	57593.	-38	42.00	1.75	36.0	-11.34	26.94	.26	.50	.76
52.00	10.26	140	-2502.4	0.	60.1	139	61434.	-38	42.00	1.75	36.0	-11.31	28.74	.26	.53	.79
54.00	9.46	140	-2496.0	0.	46.4	139	64865.	-39	42.00	1.75	36.0	-11.28	30.34	.26	.56	.82
56.00	8.69	140	-2489.5	0.	33.1	138	67891.	-39	42.00	1.75	36.0	-11.25	31.76	.26	.59	.85
58.00	7.96	140	-2482.9	0.	20.2	137	70518.	-39	42.00	1.75	36.0	-11.22	32.98	.26	.61	.87
60.00	7.25	140	-2476.2	0.	7.8	133	72753.	-39	42.00	1.75	36.0	-11.19	34.03	.26	.63	.89
62.00	6.58	140	-2469.5	0.	4.5	-26	74604.	-39	42.00	1.75	36.0	-11.16	34.90	.26	.65	.90
64.00	5.94	140	-2462.8	0.	16.2	-35	76078.	-39	42.00	1.75	36.0	-11.13	35.59	.26	.66	.92
66.00	5.33	140	-2455.9	0.	27.4	-37	77185.	-39	42.00	1.75	36.0	-11.10	36.10	.26	.67	.93
68.00	4.76	140	-2449.1	0.	38.2	-37	77933.	-39	42.00	1.75	36.0	-11.07	36.45	.26	.68	.93
70.00	4.22	140	-2442.1	0.	48.7	-38	78332.	-39	42.00	1.75	36.0	-11.04	36.64	.26	.68	.93
72.00	3.72	140	-2435.1	0.	58.6	-38	78392.	-39	42.00	1.75	36.0	-11.00	36.67	.25	.68	.93
74.00	3.25	140	-2428.0	0.	68.1	-38	78126.	-39	42.00	1.75	36.0	-10.97	36.54	.25	.68	.93
76.00	2.82	140	-2420.9	0.	77.1	-38	77545.	-39	42.00	1.75	36.0	-10.94	36.27	.25	.67	.92
78.00	2.42	140	-2413.7	0.	85.8	-38	76661.	-39	42.00	1.75	36.0	-10.91	35.86	.25	.66	.92
80.00	2.05	140	-2406.5	0.	94.0	-38	75486.	-39	42.00	1.75	36.0	-10.88	35.31	.25	.65	.91
82.00	1.72	140	-2399.2	0.	101.6	-38	74031.	-39	42.00	1.75	36.0	-10.84	34.63	.25	.64	.89
84.00	1.42	140	-2391.8	0.	108.8	-38	72311.	-39	42.00	1.75	36.0	-10.81	33.82	.25	.63	.88
86.00	1.15	140	-2384.4	0.	115.6	-38	70340.	-39	42.00	1.75	36.0	-10.78	32.90	.25	.61	.86
88.00	.91	140	-2376.9	0.	121.8	-38	68131.	-39	42.00	1.75	36.0	-10.74	31.87	.25	.59	.84
90.00	.71	140	-2369.4	0.	127.5	-39	65699.	-39	42.00	1.75	36.0	-10.71	30.73	.25	.57	.82
92.00	.53	140	-2361.8	0.	132.7	-39	63060.	-39	42.00	1.75	36.0	-10.67	29.50	.25	.55	.79
94.00	.38	140	-2354.1	0.	137.3	-39	60228.	-39	42.00	1.75	36.0	-10.64	28.17	.25	.52	.77
96.00	.26	140	-2346.4	0.	141.4	-39	57221.	-39	42.00	1.75	36.0	-10.60	26.76	.25	.50	.74
98.00	.16	140	-2338.7	0.	143.9	-39	54057.	-39	42.00	1.75	36.0	-10.57	25.28	.24	.47	.71

*** Group Critical Pile Report I - Group P42 - Pile 162 - Load Case 5 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force (Kips)		Bending Moment (In-Kips)		Pile Properties			Axial Stress	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 (KSI)			Axial	Bend.	Total
100.00	.09	140	-2307.5	0.	295.9	-39	50775.	-39	42.00	1.75	36.0	-10.43	23.75	.24	.44	.68
102.00	.03	140	-2253.8	0.	420.1	-39	43791.	-39	42.00	1.75	36.0	-10.19	20.48	.24	.38	.62
104.00	.00	138	-2201.3	0.	428.5	-39	33781.	-39	42.00	1.75	36.0	-9.95	15.80	.23	.29	.52
106.00	.02	-39	-2150.0	0.	372.0	-39	23536.	-39	42.00	1.75	36.0	-9.72	11.01	.22	.20	.43
108.00	.02	-39	-2099.7	0.	287.9	-39	14623.	-39	42.00	1.75	36.0	-9.49	6.84	.22	.13	.35
110.00	.02	-39	-2050.6	0.	200.8	-39	7714.	-39	42.00	1.75	36.0	-9.27	3.61	.21	.07	.28
112.00	.02	-39	-2002.5	0.	124.5	-39	2889.	-39	42.00	1.75	36.0	-9.05	1.95	.21	.03	.23
114.00	.01	-39	-1955.5	0.	65.3	-39	108.	144	42.00	1.75	36.0	-8.84	.05	.20	.00	.20
116.00	.01	-39	-1909.4	0.	23.9	-39	1684.	140	42.00	1.75	36.0	-8.63	.79	.20	.01	.21
118.00	.01	-39	-1864.4	0.	1.7	142	2266.	140	42.00	1.75	36.0	-8.43	1.06	.20	.02	.21
120.00	.00	-39	-1820.3	0.	15.1	140	2230.	140	42.00	1.75	36.0	-8.23	1.04	.19	.02	.21
122.00	.00	-39	-1777.2	0.	19.9	140	1871.	140	42.00	1.75	36.0	-8.03	.88	.19	.02	.20
124.00	.00	0	-1735.0	0.	19.4	140	1395.	140	42.00	1.75	36.0	-7.84	.65	.18	.01	.19
126.00	.00	140	-1693.7	0.	16.2	140	931.	140	42.00	1.75	36.0	-7.65	.44	.18	.01	.19
128.00	.00	140	-1653.3	0.	12.0	140	543.	140	42.00	1.75	36.0	-7.47	.25	.17	.00	.18
130.00	.00	140	-1613.7	0.	7.9	140	256.	140	42.00	1.75	36.0	-7.29	.12	.17	.00	.17
132.00	.00	140	-1575.0	0.	4.5	140	67.	140	42.00	1.75	36.0	-7.12	.03	.16	.00	.16
134.00	.00	140	-1537.1	0.	2.1	140	41.	-39	42.00	1.75	36.0	-6.95	.02	.16	.00	.16
136.00	.00	140	-1500.0	0.	.4	140	91.	-39	42.00	1.75	36.0	-6.78	.04	.16	.00	.16
138.00	.00	140	-1463.6	0.	.5	-39	102.	-39	42.00	1.75	36.0	-6.61	.05	.15	.00	.15
140.00	.00	0	-1428.0	0.	.9	-39	91.	-39	42.00	1.75	36.0	-6.45	.04	.15	.00	.15
142.00	.00	0	-1393.2	0.	.9	-39	71.	-39	42.00	1.75	36.0	-6.30	.03	.15	.00	.15
144.00	.00	0	-1359.1	0.	.8	-39	49.	-39	42.00	1.75	36.0	-6.14	.02	.14	.00	.14
146.00	.00	0	-1325.7	0.	.6	-39	29.	-39	42.00	1.75	36.0	-5.99	.01	.14	.00	.14
148.00	.00	0	-1293.0	0.	.4	-39	14.	-39	42.00	1.75	36.0	-5.84	.01	.14	.00	.14
150.00	.00	0	-1259.7	0.	.3	-39	4.	-39	42.00	1.75	36.0	-5.69	.00	.13	.00	.13
152.00	.00	0	-1225.9	0.	.1	-39	1.	140	42.00	1.75	36.0	-5.54	.00	.13	.00	.13
154.00	.00	0	-1192.9	0.	.0	-40	4.	140	42.00	1.75	36.0	-5.39	.00	.12	.00	.12
156.00	.00	0	-1160.4	0.	.0	140	4.	140	42.00	1.75	36.0	-5.24	.00	.12	.00	.12
158.00	.00	0	-1128.7	0.	.0	140	4.	140	42.00	1.75	36.0	-5.10	.00	.12	.00	.12
160.00	.00	0	-1097.5	0.	.0	140	3.	140	42.00	1.75	36.0	-4.96	.00	.11	.00	.11
162.00	.00	0	-1067.0	0.	.0	140	1.	140	42.00	1.75	36.0	-4.82	.00	.11	.00	.11
164.00	.00	0	-1037.1	0.	.0	140	1.	140	42.00	1.75	36.0	-4.69	.00	.11	.00	.11
166.00	.00	0	-1007.7	0.	.0	140	0.	140	42.00	1.75	36.0	-4.55	.00	.11	.00	.11
168.00	.00	0	-978.9	0.	.0	140	0.	138	42.00	1.75	36.0	-4.42	.00	.10	.00	.10
170.00	.00	0	-950.5	0.	.0	140	0.	-39	42.00	1.50	36.0	-4.98	.00	.12	.00	.12
172.00	.00	0	-922.7	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.83	.00	.11	.00	.11
174.00	.00	0	-895.4	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.69	.00	.11	.00	.11
176.00	.00	0	-868.7	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.55	.00	.11	.00	.11
178.00	.00	0	-842.6	0.	.0	-39	0.	-39	42.00	1.50	36.0	-4.42	.00	.10	.00	.10
180.00	.00	0	-816.9	0.	.0	-39	0.	-39	42.00	1.25	36.0	-5.11	.00	.12	.00	.12
182.00	.00	0	-791.8	0.	.0	-39	0.	-39	42.00	1.25	36.0	-4.95	.00	.11	.00	.11
184.00	.00	0	-767.2	0.	.0	-39	0.	-48	42.00	1.25	36.0	-4.79	.00	.11	.00	.11
186.00	.00	0	-743.3	0.	.0	0	0.	140	42.00	1.25	36.0	-4.64	.00	.11	.00	.11
188.00	.00	0	-719.9	0.	.0	0	0.	140	42.00	1.25	36.0	-4.50	.00	.10	.00	.10
190.00	.00	0	-696.9	0.	.0	0	0.	140	42.00	1.00	36.0	-5.41	.00	.13	.00	.13
192.00	.00	0	-674.6	0.	.0	0	0.	140	42.00	1.00	36.0	-5.24	.00	.12	.00	.12
194.00	.00	0	-652.8	0.	.0	0	0.	140	42.00	1.00	36.0	-5.07	.00	.12	.00	.12
196.00	.00	0	-631.7	0.	.0	0	0.	140	42.00	1.00	36.0	-4.90	.00	.11	.00	.11
198.00	.00	0	-611.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.75	.00	.11	.00	.11

*** Group Critical Pile Report I - Group P42 - Pile 162 - Load Case 5 ***

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)	(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	-591.3	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.59	.00	.11	.00	.11
202.00	.00	0	-571.9	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.44	.00	.10	.00	.10
204.00	.00	0	-553.1	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.29	.00	.10	.00	.10
206.00	.00	0	-534.8	0.	.0	0	0.	-39	42.00	1.00	36.0	-4.15	.00	.10	.00	.10
208.00	.00	0	-517.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.01	.00	.09	.00	.09
210.00	.00	0	-499.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.88	.00	.09	.00	.09
212.00	.00	0	-481.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.73	.00	.09	.00	.09
214.00	.00	0	-460.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.58	.00	.08	.00	.08
216.00	.00	0	-440.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.42	.00	.08	.00	.08
218.00	.00	0	-421.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.27	.00	.08	.00	.08
220.00	.00	0	-402.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.12	.00	.07	.00	.07
222.00	.00	0	-383.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.98	.00	.07	.00	.07
224.00	.00	0	-365.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.84	.00	.07	.00	.07
226.00	.00	0	-347.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.70	.00	.06	.00	.06
228.00	.00	0	-329.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.56	.00	.06	.00	.06
230.00	.00	0	-312.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.43	.00	.06	.00	.06
232.00	.00	0	-295.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.29	.00	.05	.00	.05
234.00	.00	0	-278.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.16	.00	.05	.00	.05
236.00	.00	0	-262.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.04	.00	.05	.00	.05
238.00	.00	0	-246.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.91	.00	.04	.00	.04
240.00	.00	0	-230.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.79	.00	.04	.00	.04
242.00	.00	0	-214.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.66	.00	.04	.00	.04
244.00	.00	0	-198.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.54	.00	.04	.00	.04
246.00	.00	0	-183.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.42	.00	.03	.00	.03
248.00	.00	0	-168.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.31	.00	.03	.00	.03
250.00	.00	0	-153.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.19	.00	.03	.00	.03
252.00	.00	0	-138.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.07	.00	.02	.00	.02
254.00	.00	0	-123.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.96	.00	.02	.00	.02
256.00	.00	0	-109.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.85	.00	.02	.00	.02
258.00	.00	0	-94.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.73	.00	.02	.00	.02
260.00	.00	0	-80.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.62	.00	.01	.00	.01
262.00	.00	0	-65.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.51	.00	.01	.00	.01
264.00	.00	0	-51.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.40	.00	.01	.00	.01
266.00	.00	0	-37.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.29	.00	.01	.00	.01
268.00	.00	0	-22.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.18	.00	.00	.00	.00

* * * Group Critical Pile Report II - Group P42 - Pile 172 - Load Case 5 * * *

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	WI	Fy			Stress	Stress	Axial	Bend.	Total
.00	33.45	139	-2300.2	0.	264.9	139	122021.	140	42.00	1.75	36.0	-10.39	57.07	.24	1.06	1.30
2.00	32.86	139	-2300.4	0.	263.2	139	114293.	140	42.00	1.75	36.0	-10.40	53.46	.24	.99	1.23
4.00	32.21	139	-2300.6	0.	261.3	139	106490.	140	42.00	1.75	36.0	-10.40	49.81	.24	.92	1.16
6.00	31.52	139	-2300.7	0.	259.3	139	98623.	140	42.00	1.75	36.0	-10.40	46.13	.24	.85	1.09
8.00	30.78	139	-2300.9	0.	257.1	139	90705.	140	42.00	1.75	36.0	-10.40	42.43	.24	.79	1.03
10.00	30.00	139	-2301.0	0.	254.7	139	82748.	140	42.00	1.75	36.0	-10.40	38.70	.24	.72	.96
12.00	29.19	139	-2301.2	0.	252.2	139	74763.	140	42.00	1.75	36.0	-10.40	34.97	.24	.65	.89
14.00	28.34	139	-2301.3	0.	249.5	139	66763.	140	42.00	1.75	36.0	-10.40	31.23	.24	.58	.82
16.00	27.47	139	-2301.4	0.	246.7	140	58758.	140	42.00	1.75	36.0	-10.40	27.48	.24	.51	.75
18.00	26.56	139	-2301.5	0.	243.8	140	50760.	140	42.00	1.75	36.0	-10.40	23.74	.24	.44	.68
20.00	25.64	139	-2301.6	0.	240.7	140	42782.	140	42.00	1.75	36.0	-10.40	20.01	.24	.37	.61
22.00	24.69	139	-2301.6	0.	237.5	140	34834.	140	42.00	1.75	36.0	-10.40	16.29	.24	.30	.54
24.00	23.74	139	-2301.7	0.	234.2	140	26927.	140	42.00	1.75	36.0	-10.40	12.60	.24	.23	.47
26.00	22.76	139	-2301.8	0.	230.7	140	19073.	140	42.00	1.75	36.0	-10.40	8.92	.24	.17	.41
28.00	21.79	139	-2301.8	0.	227.2	140	11283.	141	42.00	1.75	36.0	-10.40	5.28	.24	.10	.34
30.00	20.80	139	-2301.8	0.	223.6	140	3573.	144	42.00	1.75	36.0	-10.40	1.67	.24	.03	.27
32.00	19.81	139	-2301.9	0.	219.8	140	4085.	-44	42.00	1.75	36.0	-10.40	1.91	.24	.04	.28
34.00	18.83	139	-2298.7	0.	209.3	140	11618.	-41	42.00	1.75	36.0	-10.39	5.43	.24	.10	.34
36.00	17.85	139	-2292.3	0.	192.4	140	18890.	-40	42.00	1.75	36.0	-10.36	8.84	.24	.16	.40
38.00	16.88	139	-2285.8	0.	175.8	140	25732.	-40	42.00	1.75	36.0	-10.33	12.04	.24	.22	.46
40.00	15.92	139	-2279.3	0.	159.5	140	32143.	-40	42.00	1.75	36.0	-10.30	15.03	.24	.28	.52
42.00	14.98	139	-2272.7	0.	143.6	140	38126.	-40	42.00	1.75	36.0	-10.27	17.83	.24	.33	.57
44.00	14.05	139	-2266.1	0.	128.0	140	43681.	-40	42.00	1.75	36.0	-10.24	20.43	.24	.38	.62
46.00	13.14	139	-2259.4	0.	112.7	140	48811.	-40	42.00	1.75	36.0	-10.21	22.83	.24	.42	.66
48.00	12.25	139	-2252.6	0.	97.8	140	53521.	-40	42.00	1.75	36.0	-10.18	25.03	.24	.46	.70
50.00	11.39	139	-2245.8	0.	83.2	140	57813.	-40	42.00	1.75	36.0	-10.15	27.04	.23	.50	.74
52.00	10.55	139	-2239.0	0.	69.0	140	61693.	-40	42.00	1.75	36.0	-10.12	28.86	.23	.53	.77
54.00	9.74	139	-2232.1	0.	55.2	140	65166.	-40	42.00	1.75	36.0	-10.09	30.48	.23	.56	.80
56.00	8.95	139	-2225.1	0.	41.8	140	68238.	-40	42.00	1.75	36.0	-10.06	31.92	.23	.59	.82
58.00	8.20	139	-2218.1	0.	28.8	140	70914.	-40	42.00	1.75	36.0	-10.02	33.17	.23	.61	.85
60.00	7.48	139	-2211.0	0.	16.1	141	73203.	-40	42.00	1.75	36.0	-9.99	34.24	.23	.63	.87
62.00	6.79	139	-2203.8	0.	3.9	147	75112.	-40	42.00	1.75	36.0	-9.96	35.13	.23	.65	.88
64.00	6.14	139	-2196.7	0.	8.0	-43	76649.	-40	42.00	1.75	36.0	-9.93	35.85	.23	.66	.89
66.00	5.52	139	-2189.4	0.	19.4	-41	77823.	-40	42.00	1.75	36.0	-9.89	36.40	.23	.67	.90
68.00	4.93	139	-2182.1	0.	30.3	-41	78644.	-40	42.00	1.75	36.0	-9.86	36.78	.23	.68	.91
70.00	4.38	139	-2174.8	0.	40.9	-40	79121.	-40	42.00	1.75	36.0	-9.83	37.01	.23	.69	.91
72.00	3.86	139	-2167.4	0.	51.0	-40	79264.	-40	42.00	1.75	36.0	-9.79	37.08	.23	.69	.91
74.00	3.38	139	-2159.9	0.	60.6	-40	79086.	-40	42.00	1.75	36.0	-9.76	36.99	.23	.69	.91
76.00	2.93	139	-2152.4	0.	69.7	-40	78597.	-40	42.00	1.75	36.0	-9.73	36.76	.23	.68	.91
78.00	2.52	139	-2144.8	0.	78.4	-40	77812.	-40	42.00	1.75	36.0	-9.69	36.40	.22	.67	.90
80.00	2.14	139	-2137.2	0.	86.8	-40	76740.	-40	42.00	1.75	36.0	-9.66	35.89	.22	.66	.89
82.00	1.80	139	-2129.5	0.	94.6	-40	75393.	-40	42.00	1.75	36.0	-9.62	35.26	.22	.65	.88
84.00	1.49	139	-2121.8	0.	101.9	-40	73785.	-40	42.00	1.75	36.0	-9.59	34.51	.22	.64	.86
86.00	1.21	139	-2114.1	0.	108.7	-40	71930.	-40	42.00	1.75	36.0	-9.55	33.64	.22	.62	.84
88.00	.96	139	-2106.5	0.	115.0	-40	69842.	-40	42.00	1.75	36.0	-9.52	32.67	.22	.60	.83
90.00	.75	139	-2099.0	0.	120.8	-40	67535.	-40	42.00	1.75	36.0	-9.49	31.59	.22	.58	.80
92.00	.56	139	-2091.6	0.	126.2	-40	65024.	-40	42.00	1.75	36.0	-9.45	30.41	.22	.56	.78
94.00	.40	139	-2084.3	0.	130.9	-40	62325.	-40	42.00	1.75	36.0	-9.42	29.15	.22	.54	.76
96.00	.27	139	-2077.0	0.	135.1	-40	59453.	-40	42.00	1.75	36.0	-9.39	27.81	.22	.51	.73
98.00	.17	140	-2069.9	0.	137.8	-40	56426.	-40	42.00	1.75	36.0	-9.35	26.39	.22	.49	.71

* * * Group Critical Pile Report II - Group P42 - Pile 172 - Load Case 5 * * *

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)	Value (In-Kips)	Angle (Deg)	OD (In)			WT (KSI)	Fy (KSI)	Axial	Bend.	Total
100.00	.09	140	-2042.1	0.	301.1	-40	53281.	-40	42.00	1.75	36.0	-9.23	24.92	.21	.46	.68
102.00	.04	140	-1994.7	0.	437.0	-40	46166.	-40	42.00	1.75	36.0	-9.01	21.59	.21	.40	.61
104.00	.00	140	-1948.4	0.	449.3	-40	35747.	-40	42.00	1.75	36.0	-8.80	16.72	.20	.31	.51
106.00	.02	-40	-1903.0	0.	392.0	-40	25000.	-40	42.00	1.75	36.0	-8.60	11.69	.20	.22	.42
108.00	.02	-40	-1858.7	0.	304.6	-40	15607.	-39	42.00	1.75	36.0	-8.40	7.30	.19	.14	.33
110.00	.02	-40	-1815.3	0.	213.3	-40	8297.	-39	42.00	1.75	36.0	-8.20	3.88	.19	.07	.26
112.00	.02	-40	-1772.8	0.	133.0	-39	3173.	-39	42.00	1.75	36.0	-8.01	1.48	.19	.03	.21
114.00	.02	-40	-1731.3	0.	70.3	-39	25.	131	42.00	1.75	36.0	-7.82	.01	.18	.00	.18
116.00	.01	-40	-1690.7	0.	26.3	-39	1720.	139	42.00	1.75	36.0	-7.64	.80	.18	.01	.19
118.00	.01	-39	-1650.9	0.	1.0	138	2360.	139	42.00	1.75	36.0	-7.46	1.10	.17	.02	.19
120.00	.00	-39	-1612.0	0.	15.4	139	2340.	139	42.00	1.75	36.0	-7.28	1.09	.17	.02	.19
122.00	.00	-39	-1574.0	0.	20.7	139	1973.	139	42.00	1.75	36.0	-7.11	.92	.16	.02	.18
124.00	.00	0	-1536.7	0.	20.4	139	1477.	139	42.00	1.75	36.0	-6.94	.69	.16	.01	.17
126.00	.00	139	-1500.3	0.	17.0	139	990.	139	42.00	1.75	36.0	-6.78	.46	.16	.01	.17
128.00	.00	139	-1464.6	0.	12.7	139	581.	140	42.00	1.75	36.0	-6.62	.27	.15	.01	.16
130.00	.00	139	-1429.7	0.	8.4	139	277.	140	42.00	1.75	36.0	-6.46	.13	.15	.00	.15
132.00	.00	139	-1395.6	0.	4.8	140	76.	140	42.00	1.75	36.0	-6.31	.04	.15	.00	.15
134.00	.00	139	-1362.1	0.	2.2	140	40.	-40	42.00	1.75	36.0	-6.16	.02	.14	.00	.14
136.00	.00	139	-1329.4	0.	.5	140	94.	-40	42.00	1.75	36.0	-6.01	.04	.14	.00	.14
138.00	.00	140	-1297.3	0.	.5	-40	106.	-40	42.00	1.75	36.0	-5.86	.05	.14	.00	.14
140.00	.00	0	-1266.0	0.	.9	-40	96.	-40	42.00	1.75	36.0	-5.72	.04	.13	.00	.13
142.00	.00	0	-1235.3	0.	1.0	-40	75.	-40	42.00	1.75	36.0	-5.58	.04	.13	.00	.13
144.00	.00	0	-1205.2	0.	.8	-40	52.	-40	42.00	1.75	36.0	-5.45	.02	.13	.00	.13
146.00	.00	0	-1175.7	0.	.7	-40	31.	-39	42.00	1.75	36.0	-5.31	.01	.12	.00	.12
148.00	.00	0	-1146.9	0.	.5	-40	15.	-39	42.00	1.75	36.0	-5.18	.01	.12	.00	.12
150.00	.00	0	-1117.6	0.	.3	-39	4.	-39	42.00	1.75	36.0	-5.05	.00	.12	.00	.12
152.00	.00	0	-1087.8	0.	.1	-39	1.	139	42.00	1.75	36.0	-4.92	.00	.11	.00	.11
154.00	.00	0	-1058.7	0.	.0	-39	4.	139	42.00	1.75	36.0	-4.78	.00	.11	.00	.11
156.00	.00	0	-1030.1	0.	.0	139	5.	139	42.00	1.75	36.0	-4.66	.00	.11	.00	.11
158.00	.00	0	-1002.1	0.	.0	139	4.	139	42.00	1.75	36.0	-4.53	.00	.10	.00	.10
160.00	.00	0	-974.7	0.	.0	139	3.	139	42.00	1.75	36.0	-4.40	.00	.10	.00	.10
162.00	.00	0	-947.8	0.	.0	139	2.	139	42.00	1.75	36.0	-4.28	.00	.10	.00	.10
164.00	.00	0	-921.4	0.	.0	139	1.	140	42.00	1.75	36.0	-4.16	.00	.10	.00	.10
166.00	.00	0	-895.6	0.	.0	139	0.	140	42.00	1.75	36.0	-4.05	.00	.09	.00	.09
168.00	.00	0	-870.2	0.	.0	140	0.	140	42.00	1.75	36.0	-3.93	.00	.09	.00	.09
170.00	.00	0	-845.3	0.	.0	140	0.	-40	42.00	1.50	36.0	-4.43	.00	.10	.00	.10
172.00	.00	0	-820.7	0.	.0	-40	0.	-40	42.00	1.50	36.0	-4.30	.00	.10	.00	.10
174.00	.00	0	-796.7	0.	.0	-40	0.	-40	42.00	1.50	36.0	-4.17	.00	.10	.00	.10
176.00	.00	0	-773.2	0.	.0	-40	0.	-40	42.00	1.50	36.0	-4.05	.00	.09	.00	.09
178.00	.00	0	-750.3	0.	.0	-40	0.	-40	42.00	1.50	36.0	-3.93	.00	.09	.00	.09
180.00	.00	0	-727.6	0.	.0	-40	0.	-39	42.00	1.25	36.0	-4.55	.00	.11	.00	.11
182.00	.00	0	-705.5	0.	.0	-40	0.	-39	42.00	1.25	36.0	-4.41	.00	.10	.00	.10
184.00	.00	0	-683.9	0.	.0	-39	0.	-38	42.00	1.25	36.0	-4.27	.00	.10	.00	.10
186.00	.00	0	-662.8	0.	.0	0	0.	139	42.00	1.25	36.0	-4.14	.00	.10	.00	.10
188.00	.00	0	-642.2	0.	.0	0	0.	139	42.00	1.25	36.0	-4.01	.00	.09	.00	.09
190.00	.00	0	-622.0	0.	.0	0	0.	139	42.00	1.00	36.0	-4.83	.00	.11	.00	.11
192.00	.00	0	-602.3	0.	.0	0	0.	139	42.00	1.00	36.0	-4.68	.00	.11	.00	.11
194.00	.00	0	-583.2	0.	.0	0	0.	139	42.00	1.00	36.0	-4.53	.00	.10	.00	.10
196.00	.00	0	-564.6	0.	.0	0	0.	140	42.00	1.00	36.0	-4.38	.00	.10	.00	.10
198.00	.00	0	-546.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.24	.00	.10	.00	.10

*** Group Critical Pile Report II - Group P42 - Pile 172 - Load Case 5 ***

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 (In)	WT	Fy (KSI)			Axial	Bend.	Total
200.00	.00	0	-529.1	0.	.0	0	0.	-40	42.00	1.00	36.0	-4.11	.00	.10	.00	.10
202.00	.00	0	-512.1	0.	.0	0	0.	-40	42.00	1.00	36.0	-3.98	.00	.09	.00	.09
204.00	.00	0	-495.6	0.	.0	0	0.	-40	42.00	1.00	36.0	-3.85	.00	.09	.00	.09
206.00	.00	0	-479.5	0.	.0	0	0.	-40	42.00	1.00	36.0	-3.72	.00	.09	.00	.09
208.00	.00	0	-463.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.60	.00	.08	.00	.08
210.00	.00	0	-448.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.48	.00	.08	.00	.08
212.00	.00	0	-432.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.35	.00	.08	.00	.08
214.00	.00	0	-413.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.21	.00	.07	.00	.07
216.00	.00	0	-396.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.07	.00	.07	.00	.07
218.00	.00	0	-378.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.94	.00	.07	.00	.07
220.00	.00	0	-361.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.81	.00	.06	.00	.06
222.00	.00	0	-344.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.67	.00	.06	.00	.06
224.00	.00	0	-328.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.55	.00	.06	.00	.06
226.00	.00	0	-311.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.42	.00	.06	.00	.06
228.00	.00	0	-296.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.30	.00	.05	.00	.05
230.00	.00	0	-280.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.18	.00	.05	.00	.05
232.00	.00	0	-265.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.06	.00	.05	.00	.05
234.00	.00	0	-250.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.94	.00	.04	.00	.04
236.00	.00	0	-235.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.83	.00	.04	.00	.04
238.00	.00	0	-220.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.71	.00	.04	.00	.04
240.00	.00	0	-206.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.60	.00	.04	.00	.04
242.00	.00	0	-192.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.49	.00	.03	.00	.03
244.00	.00	0	-178.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.38	.00	.03	.00	.03
246.00	.00	0	-164.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.28	.00	.03	.00	.03
248.00	.00	0	-150.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.17	.00	.03	.00	.03
250.00	.00	0	-137.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.06	.00	.02	.00	.02
252.00	.00	0	-123.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.96	.00	.02	.00	.02
254.00	.00	0	-110.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.86	.00	.02	.00	.02
256.00	.00	0	-97.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.75	.00	.02	.00	.02
258.00	.00	0	-84.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.65	.00	.02	.00	.02
260.00	.00	0	-71.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.55	.00	.01	.00	.01
262.00	.00	0	-58.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.45	.00	.01	.00	.01
264.00	.00	0	-45.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.35	.00	.01	.00	.01
266.00	.00	0	-32.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.25	.00	.01	.00	.01
268.00	.00	0	-20.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.16	.00	.00	.00	.00

*** Group Critical Pile Report III - Group P42 - Pile 142 - Load Case 5 ***

Dist. Along Pile (Ft)	Deflection			Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values			
	Normal Value (In)	To Pile Angle (Deg)	Axial Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT			Fy	Axial	Bend.	Total
.00	35.68	4	-1375.7	0.	308.2	4	129523.	4	42.00	1.75	36.0	-6.22	60.58	.14	1.12	1.27
2.00	35.08	4	-1375.5	0.	306.4	4	121290.	4	42.00	1.75	36.0	-6.22	56.73	.14	1.05	1.19
4.00	34.41	4	-1375.3	0.	304.5	4	113026.	4	42.00	1.75	36.0	-6.21	52.87	.14	.98	1.12
6.00	33.70	4	-1375.0	0.	302.4	4	104739.	4	42.00	1.75	36.0	-6.21	48.99	.14	.91	1.05
8.00	32.94	4	-1374.8	0.	300.2	4	96439.	4	42.00	1.75	36.0	-6.21	45.11	.14	.84	.98
10.00	32.14	4	-1374.5	0.	297.7	4	88135.	4	42.00	1.75	36.0	-6.21	41.22	.14	.76	.91
12.00	31.30	4	-1374.3	0.	295.2	4	79835.	4	42.00	1.75	36.0	-6.21	37.34	.14	.69	.84
14.00	30.43	4	-1374.0	0.	292.4	4	71548.	4	42.00	1.75	36.0	-6.21	33.47	.14	.62	.76
16.00	29.52	4	-1373.8	0.	289.6	4	63284.	4	42.00	1.75	36.0	-6.21	29.60	.14	.55	.69
18.00	28.59	4	-1373.6	0.	286.6	4	55051.	4	42.00	1.75	36.0	-6.21	25.75	.14	.48	.62
20.00	27.63	4	-1373.4	0.	283.4	4	46857.	4	42.00	1.75	36.0	-6.21	21.92	.14	.41	.55
22.00	26.65	4	-1373.2	0.	280.1	4	38710.	4	42.00	1.75	36.0	-6.21	18.11	.14	.34	.48
24.00	25.65	4	-1373.0	0.	276.7	4	30619.	4	42.00	1.75	36.0	-6.20	14.32	.14	.27	.41
26.00	24.64	4	-1372.8	0.	273.2	4	22592.	5	42.00	1.75	36.0	-6.20	10.57	.14	.20	.34
28.00	23.62	4	-1372.6	0.	269.5	4	14636.	5	42.00	1.75	36.0	-6.20	6.85	.14	.13	.27
30.00	22.60	4	-1372.4	0.	265.8	4	6759.	6	42.00	1.75	36.0	-6.20	3.16	.14	.06	.20
32.00	21.57	4	-1372.3	0.	262.0	4	1059.	172	42.00	1.75	36.0	-6.20	.50	.14	.01	.15
34.00	20.54	4	-1368.6	0.	251.1	4	8738.	-176	42.00	1.75	36.0	-6.18	4.09	.14	.08	.22
36.00	19.51	4	-1361.6	0.	233.7	4	16167.	-176	42.00	1.75	36.0	-6.15	7.56	.14	.14	.28
38.00	18.49	4	-1354.5	0.	216.6	4	23162.	-176	42.00	1.75	36.0	-6.12	10.83	.14	.20	.34
40.00	17.48	4	-1347.5	0.	199.8	4	29725.	-175	42.00	1.75	36.0	-6.09	13.90	.14	.25	.40
42.00	16.49	4	-1340.6	0.	183.3	4	35861.	-175	42.00	1.75	36.0	-6.06	16.77	.14	.31	.45
44.00	15.51	4	-1333.8	0.	167.2	4	41573.	-175	42.00	1.75	36.0	-6.03	19.45	.14	.36	.50
46.00	14.55	4	-1327.0	0.	151.4	4	46867.	-175	42.00	1.75	36.0	-6.00	21.92	.14	.41	.54
48.00	13.61	4	-1320.2	0.	136.0	4	51748.	-175	42.00	1.75	36.0	-5.97	24.20	.14	.45	.59
50.00	12.69	4	-1313.5	0.	120.9	4	56222.	-175	42.00	1.75	36.0	-5.94	26.30	.14	.49	.62
52.00	11.80	4	-1307.0	0.	106.2	4	60294.	-175	42.00	1.75	36.0	-5.91	28.20	.14	.52	.66
54.00	10.93	4	-1300.4	0.	91.8	4	63973.	-175	42.00	1.75	36.0	-5.88	29.92	.14	.55	.69
56.00	10.10	4	-1294.0	0.	77.8	4	67266.	-175	42.00	1.75	36.0	-5.85	31.46	.14	.58	.72
58.00	9.29	4	-1287.6	0.	64.2	4	70178.	-175	42.00	1.75	36.0	-5.82	32.83	.13	.61	.74
60.00	8.51	4	-1281.3	0.	51.0	4	72720.	-175	42.00	1.75	36.0	-5.79	34.01	.13	.63	.76
62.00	7.77	4	-1275.0	0.	38.2	4	74898.	-175	42.00	1.75	36.0	-5.76	35.03	.13	.65	.78
64.00	7.06	4	-1268.8	0.	25.8	5	76722.	-175	42.00	1.75	36.0	-5.73	35.89	.13	.66	.80
66.00	6.38	4	-1262.7	0.	13.8	5	78202.	-175	42.00	1.75	36.0	-5.71	36.58	.13	.68	.81
68.00	5.73	4	-1256.7	0.	2.3	13	79346.	-175	42.00	1.75	36.0	-5.68	37.11	.13	.69	.82
70.00	5.13	4	-1250.7	0.	8.8	182	80164.	-175	42.00	1.75	36.0	-5.65	37.50	.13	.69	.83
72.00	4.55	4	-1244.8	0.	19.5	183	80668.	-175	42.00	1.75	36.0	-5.63	37.73	.13	.70	.83
74.00	4.02	4	-1238.9	0.	29.8	183	80868.	-175	42.00	1.75	36.0	-5.60	37.83	.13	.70	.83
76.00	3.52	4	-1233.2	0.	39.5	183	80774.	-175	42.00	1.75	36.0	-5.57	37.78	.13	.70	.83
78.00	3.05	4	-1227.5	0.	48.8	184	80399.	-175	42.00	1.75	36.0	-5.55	37.61	.13	.70	.82
80.00	2.62	4	-1221.8	0.	57.6	184	79755.	-175	42.00	1.75	36.0	-5.52	37.30	.13	.69	.82
82.00	2.23	4	-1216.2	0.	66.0	184	78855.	-175	42.00	1.75	36.0	-5.50	36.88	.13	.68	.81
84.00	1.87	4	-1210.7	0.	73.9	184	77707.	-175	42.00	1.75	36.0	-5.47	36.35	.13	.67	.80
86.00	1.54	4	-1205.3	0.	81.3	184	76326.	-175	42.00	1.75	36.0	-5.45	35.70	.13	.66	.79
88.00	1.25	4	-1199.9	0.	88.2	184	74726.	-175	42.00	1.75	36.0	-5.42	34.95	.13	.65	.77
90.00	.99	4	-1194.6	0.	94.7	184	72919.	-175	42.00	1.75	36.0	-5.40	34.11	.12	.63	.76
92.00	.76	4	-1189.5	0.	100.5	184	70917.	-175	42.00	1.75	36.0	-5.38	33.17	.12	.61	.74
94.00	.57	4	-1184.4	0.	105.8	184	68737.	-175	42.00	1.75	36.0	-5.35	32.15	.12	.60	.72
96.00	.41	4	-1179.4	0.	110.6	184	66392.	-175	42.00	1.75	36.0	-5.33	31.05	.12	.58	.70
98.00	.27	4	-1174.5	0.	114.7	184	63898.	-175	42.00	1.75	36.0	-5.31	29.89	.12	.55	.68

*** Group Critical Pile Report III - Group P42 - Pile 142 - Load Case 5 ***

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)	OO	WT	Fy			Stress	Stress	Axial	Bend.	Total
100.00	.16	4	-1169.7	0.	117.3	184	61270.	-175	42.00	1.75	36.0	-5.29	28.66	.12	.53	.65
102.00	.08	4	-1142.7	0.	408.3	184	58548.	-175	42.00	1.75	36.0	-5.16	27.39	.12	.51	.63
104.00	.03	4	-1116.4	0.	510.3	184	48812.	-175	42.00	1.75	36.0	-5.04	22.83	.12	.42	.54
106.00	.00	184	-1090.6	0.	493.8	184	36603.	-175	42.00	1.75	36.0	-4.93	17.12	.11	.32	.43
108.00	.02	184	-1065.3	0.	414.5	184	24770.	-175	42.00	1.75	36.0	-4.81	11.59	.11	.21	.33
110.00	.03	184	-1040.7	0.	311.9	184	14829.	-175	42.00	1.75	36.0	-4.70	6.94	.11	.13	.24
112.00	.03	184	-1016.5	0.	211.4	184	7342.	-175	42.00	1.75	36.0	-4.59	3.43	.11	.06	.17
114.00	.02	184	-992.9	0.	126.4	184	2264.	-175	42.00	1.75	36.0	-4.49	1.06	.10	.02	.12
116.00	.02	184	-969.8	0.	62.2	184	774.	4	42.00	1.75	36.0	-4.38	.36	.10	.01	.11
118.00	.01	184	-947.2	0.	18.6	184	2272.	4	42.00	1.75	36.0	-4.28	1.06	.10	.02	.12
120.00	.01	184	-925.1	0.	7.4	4	2724.	4	42.00	1.75	36.0	-4.18	1.27	.10	.02	.12
122.00	.00	184	-903.5	0.	20.1	4	2550.	4	42.00	1.75	36.0	-4.08	1.19	.09	.02	.12
124.00	.00	184	-882.3	0.	23.8	4	2070.	4	42.00	1.75	36.0	-3.99	.97	.09	.02	.11
126.00	.00	4	-861.6	0.	22.1	4	1500.	4	42.00	1.75	36.0	-3.89	.70	.09	.01	.10
128.00	.00	4	-841.4	0.	17.8	4	970.	4	42.00	1.75	36.0	-3.80	.45	.09	.01	.10
130.00	.00	4	-821.6	0.	12.8	4	543.	4	42.00	1.75	36.0	-3.71	.25	.09	.00	.09
132.00	.00	4	-802.2	0.	8.2	4	235.	4	42.00	1.75	36.0	-3.63	.11	.08	.00	.09
134.00	.00	4	-783.2	0.	4.5	4	38.	4	42.00	1.75	36.0	-3.54	.02	.08	.00	.08
136.00	.00	4	-764.7	0.	1.9	4	69.	-175	42.00	1.75	36.0	-3.46	.03	.08	.00	.08
138.00	.00	4	-746.5	0.	.2	4	114.	-175	42.00	1.75	36.0	-3.37	.05	.08	.00	.08
140.00	.00	4	-728.7	0.	.7	184	119.	-175	42.00	1.75	36.0	-3.29	.06	.08	.00	.08
142.00	.00	0	-711.3	0.	1.0	184	102.	-175	42.00	1.75	36.0	-3.21	.05	.07	.00	.07
144.00	.00	0	-694.3	0.	1.1	184	77.	-175	42.00	1.75	36.0	-3.14	.04	.07	.00	.07
146.00	.00	0	-677.6	0.	.9	184	51.	-175	42.00	1.75	36.0	-3.06	.02	.07	.00	.07
148.00	.00	0	-661.3	0.	.7	184	30.	-175	42.00	1.75	36.0	-2.99	.01	.07	.00	.07
150.00	.00	0	-645.3	0.	.5	184	13.	-175	42.00	1.75	36.0	-2.92	.01	.07	.00	.07
152.00	.00	0	-629.0	0.	.3	184	3.	-175	42.00	1.75	36.0	-2.84	.00	.07	.00	.07
154.00	.00	0	-612.5	0.	.1	184	3.	4	42.00	1.75	36.0	-2.77	.00	.06	.00	.06
156.00	.00	0	-596.3	0.	.0	185	5.	4	42.00	1.75	36.0	-2.69	.00	.06	.00	.06
158.00	.00	0	-580.5	0.	.0	4	5.	4	42.00	1.75	36.0	-2.62	.00	.06	.00	.06
160.00	.00	0	-565.0	0.	.1	4	4.	4	42.00	1.75	36.0	-2.55	.00	.06	.00	.06
162.00	.00	0	-549.7	0.	.1	4	3.	4	42.00	1.75	36.0	-2.48	.00	.06	.00	.06
164.00	.00	0	-534.8	0.	.0	4	1.	4	42.00	1.75	36.0	-2.42	.00	.06	.00	.06
166.00	.00	0	-520.2	0.	.0	4	0.	4	42.00	1.75	36.0	-2.35	.00	.05	.00	.05
168.00	.00	0	-505.9	0.	.0	4	0.	4	42.00	1.75	36.0	-2.29	.00	.05	.00	.05
170.00	.00	0	-491.7	0.	.0	4	0.	-175	42.00	1.50	36.0	-2.58	.00	.06	.00	.06
172.00	.00	0	-477.8	0.	.0	4	0.	-175	42.00	1.50	36.0	-2.50	.00	.06	.00	.06
174.00	.00	0	-464.2	0.	.0	184	0.	-175	42.00	1.50	36.0	-2.43	.00	.06	.00	.06
176.00	.00	0	-450.9	0.	.0	184	0.	-175	42.00	1.50	36.0	-2.36	.00	.05	.00	.05
178.00	.00	0	-437.8	0.	.0	184	0.	-175	42.00	1.50	36.0	-2.29	.00	.05	.00	.05
180.00	.00	0	-425.0	0.	.0	184	0.	-175	42.00	1.25	36.0	-2.66	.00	.06	.00	.06
182.00	.00	0	-412.3	0.	.0	184	0.	-175	42.00	1.25	36.0	-2.58	.00	.06	.00	.06
184.00	.00	0	-400.0	0.	.0	184	0.	-175	42.00	1.25	36.0	-2.50	.00	.06	.00	.06
186.00	.00	0	-388.0	0.	.0	184	0.	4	42.00	1.25	36.0	-2.42	.00	.06	.00	.06
188.00	.00	0	-376.3	0.	.0	0	0.	4	42.00	1.25	36.0	-2.35	.00	.05	.00	.05
190.00	.00	0	-364.8	0.	.0	0	0.	4	42.00	1.00	36.0	-2.83	.00	.07	.00	.07
192.00	.00	0	-353.5	0.	.0	4	0.	4	42.00	1.00	36.0	-2.74	.00	.06	.00	.06
194.00	.00	0	-342.5	0.	.0	0	0.	4	42.00	1.00	36.0	-2.66	.00	.06	.00	.06
196.00	.00	0	-331.9	0.	.0	0	0.	4	42.00	1.00	36.0	-2.58	.00	.06	.00	.06
198.00	.00	0	-321.6	0.	.0	0	0.	0	42.00	1.00	36.0	-2.50	.00	.06	.00	.06

*** Group Critical Pile Report III - Group P42 - Pile 142 - Load Case 5 ***

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 (KSI)			Axial	Bend. Total	
200.00	.00	0	-311.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.42	.00	.06	.00	.06
202.00	.00	0	-301.9	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.34	.00	.05	.00	.05
204.00	.00	0	-292.5	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.27	.00	.05	.00	.05
206.00	.00	0	-283.4	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.20	.00	.05	.00	.05
208.00	.00	0	-274.5	0.	.0	0	0.	-180	42.00	1.00	36.0	-2.13	.00	.05	.00	.05
210.00	.00	0	-265.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.06	.00	.05	.00	.05
212.00	.00	0	-257.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.00	.00	.05	.00	.05
214.00	.00	0	-245.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.91	.00	.04	.00	.04
216.00	.00	0	-234.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.82	.00	.04	.00	.04
218.00	.00	0	-223.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.74	.00	.04	.00	.04
220.00	.00	0	-212.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.65	.00	.04	.00	.04
222.00	.00	0	-202.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.57	.00	.04	.00	.04
224.00	.00	0	-192.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.49	.00	.03	.00	.03
226.00	.00	0	-182.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.41	.00	.03	.00	.03
228.00	.00	0	-172.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.34	.00	.03	.00	.03
230.00	.00	0	-163.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.27	.00	.03	.00	.03
232.00	.00	0	-153.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.19	.00	.03	.00	.03
234.00	.00	0	-144.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.12	.00	.03	.00	.03
236.00	.00	0	-135.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.06	.00	.02	.00	.02
238.00	.00	0	-127.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.99	.00	.02	.00	.02
240.00	.00	0	-118.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.92	.00	.02	.00	.02
242.00	.00	0	-110.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.86	.00	.02	.00	.02
244.00	.00	0	-102.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.79	.00	.02	.00	.02
246.00	.00	0	-94.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.73	.00	.02	.00	.02
248.00	.00	0	-86.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.67	.00	.02	.00	.02
250.00	.00	0	-78.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.61	.00	.01	.00	.01
252.00	.00	0	-70.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.55	.00	.01	.00	.01
254.00	.00	0	-63.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.49	.00	.01	.00	.01
256.00	.00	0	-55.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.43	.00	.01	.00	.01
258.00	.00	0	-48.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.37	.00	.01	.00	.01
260.00	.00	0	-40.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.32	.00	.01	.00	.01
262.00	.00	0	-33.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.26	.00	.01	.00	.01
264.00	.00	0	-26.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.20	.00	.00	.00	.00
266.00	.00	0	-19.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.15	.00	.00	.00	.00
268.00	.00	0	-11.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.09	.00	.00	.00	.00

*** 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
5	200	Pile Head	269.984	226.081	-375.235	90242.013	-105839.636	.000
		Structure	269.978	226.104	-372.307	90256.053	-105838.369	.000
		Difference	-.005	.023	2.928	14.040	1.267	.000
112	112	Pile Head	535.735	435.077	2070.397	66522.261	-95837.350	2931.503
		Structure	535.801	435.171	2071.130	66532.327	-95836.385	2930.400
		Difference	.066	.093	.733	10.066	.966	-1.103
122	122	Pile Head	280.919	233.488	225.505	73001.415	-98150.027	9814.998
		Structure	280.913	233.585	226.281	73012.241	-98148.727	9814.868
		Difference	-.006	.097	.775	10.827	1.300	-.130
132	132	Pile Head	287.817	297.673	656.449	78301.815	-96708.853	9670.881
		Structure	287.811	297.768	657.183	78313.286	-96707.560	9670.752
		Difference	-.006	.094	.733	11.471	1.293	-.129
142	142	Pile Head	371.107	64.493	-1359.602	83074.752	-97714.151	18078.886
		Structure	371.025	64.588	-1358.835	83086.735	-97712.343	18079.903
		Difference	-.081	.096	.767	11.983	1.808	1.017
152	152	Pile Head	194.883	236.156	-516.554	67659.749	-90968.929	-15862.856
		Structure	194.950	236.100	-515.817	67669.819	-90966.107	-15863.581
		Difference	.066	-.056	.737	10.070	2.822	-.725
162	162	Pile Head	196.662	416.171	-2528.958	77173.248	-92496.982	-9249.686
		Structure	196.657	416.110	-2528.187	77184.030	-92493.872	-9249.375
		Difference	-.005	-.061	.771	10.782	3.110	.311
172	172	Pile Head	203.494	398.926	-2272.473	78326.141	-93100.442	-9310.032
		Structure	203.489	398.872	-2271.758	78337.406	-93097.418	-9309.729
		Difference	-.005	-.055	.715	11.266	3.024	.302
Max. Difference			-.081	.097	2.928	14.040	3.110	-1.103
Pile Joint No.			142	122	200	200	162	112
Load Case No.			5	5	5	5	5	5

*** 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
5	200	Pile Head	375.235	-269.984	226.081	.000	-90242.013	-105839.636
		Structure	372.307	-269.978	226.104	.000	-90256.053	-105838.369
		Difference	-2.928	.005	.023	.000	-14.040	1.267
112	Pile Head	Pile Head	-2146.124	71.176	-389.791	-.002	114805.598	20935.112
		Structure	-2146.865	71.156	-389.800	-.002	114812.034	20927.234
		Difference	-.741	-.019	-.009	.000	6.435	-7.878
122	Pile Head	Pile Head	-247.619	280.919	-209.891	-.001	73001.415	98639.556
		Structure	-248.400	280.913	-209.910	-.001	73012.241	98638.249
		Difference	-.781	-.006	-.019	.000	10.827	-1.307
132	Pile Head	Pile Head	-682.811	287.817	-230.877	-.001	78301.815	97191.194
		Structure	-683.550	287.811	-230.898	-.001	78313.286	97189.895
		Difference	-.739	-.006	-.021	.000	11.471	-1.299
142	Pile Head	Pile Head	1376.566	308.015	24.290	.002	-10351.673	129109.100
		Structure	1375.789	308.025	24.274	.002	-10341.921	129116.366
		Difference	-.777	.010	-.017	.000	9.752	7.266
152	Pile Head	Pile Head	515.551	-304.791	-43.435	-.009	16482.127	-113283.529
		Structure	514.809	-304.798	-43.418	-.009	16473.011	-113288.705
		Difference	-.742	-.007	.017	.000	-9.116	-5.175
162	Pile Head	Pile Head	2557.818	-196.662	162.465	-.007	-77173.248	-92958.315
		Structure	2557.044	-196.657	162.481	-.007	-77184.030	-92955.190
		Difference	-.773	.005	.016	.000	-10.782	3.125
172	Pile Head	Pile Head	2300.890	-203.494	170.827	-.007	-78326.141	-93564.785
		Structure	2300.173	-203.489	170.844	-.007	-78337.406	-93561.746
		Difference	-.717	.005	.017	.000	-11.266	3.039
Max. Difference			-2.928	-.019	.023	.000	-14.040	-7.878
Pile Joint No.			200	112	200	112	200	112
Load Case No.			5	5	5	5	5	5

Friday 7/22/94 19:39: 1

Time For PREP Module	=	0: 3:49
Time For LOAD Module	=	0:12: 9
Time For SOLVE Module	=	0:34:37

Total Processing Time	=	0:50:36

8.3.3 WDPUSH.OT3
(Deflection & Stress Unity Check)

Joint Deflection Report	pp. 1 - 13
Group Summary Report - Three Most Restrictive Members	pp. 14 - 16
Report with Element Stress @ Maximum Unity Check	pp. 17 - 34
(Not Printed	pp. 35 - 70)
Member Group Summary Report.....	pp. 71 - 87
Global Equilibrium Check.....	p. 88
End Page.....	p. 89

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
1	5	29.0969950	20.4791883	-2.7594918	.0015936	-.0011336	.0016560
2	5	29.0095886	21.6159212	-1.9342076	.0021523	-.0012778	.0009018
3	5	28.9605121	22.8400808	-1.6141482	.0022857	-.0009038	.0010304
4	5	28.7061398	23.5319084	-.8984599	.0012953	-.0007378	-.0014005
5	5	27.7207547	20.3435565	-1.2409352	.0018967	-.0009580	.0080253
6	5	27.7982242	21.5648139	-.4699129	.0022441	-.0010572	.0063121
7	5	27.8239547	22.6733660	-.0760115	.0021936	-.0012811	.0065713
8	5	27.7522970	23.4427186	.7267977	.0009140	-.0011202	.0082314
9	5	28.8258520	20.1264119	-2.7819967	.0024219	-.0017810	.0018146
10	5	28.7727501	21.1903781	-1.9905456	.0027076	-.0014174	.0014674
11	5	28.7563034	22.3751409	-1.6492217	.0029482	-.0013274	.0015226
13	5	28.6777111	23.2941236	-.9661817	.0017790	-.0002371	-.0001129
14	5	27.5818586	20.0717540	-1.2654706	.0017504	-.0009233	.0057706
15	5	27.5997221	21.1752079	-.5246942	.0024157	-.0012521	.0043673
16	5	27.6035468	22.3103994	-.1125360	.0022582	-.0012875	.0044441
17	5	27.5985882	23.2703774	.6612897	.0014541	-.0009660	.0060167
18	5	28.6737327	19.9094686	-2.7908908	.0026069	-.0016784	.0018788
19	5	28.6528009	20.9539591	-2.0129518	.0027634	-.0013372	.0016965
20	5	28.6430203	22.1200420	-1.6631353	.0029319	-.0012424	.0017219
21	5	28.6384099	23.1205953	-.9931342	.0023711	-.0008858	.0004085
23	5	27.4928213	19.9038907	-1.2751756	.0023121	-.0012180	.0048576
24	5	27.4903885	20.9607707	-.5464786	.0026161	-.0012748	.0035798
25	5	27.4937746	22.1063498	-.1270291	.0025828	-.0012690	.0035828
26	5	27.5052559	23.1203470	.6352213	.0021804	-.0013196	.0051198
27	5	28.0662999	19.9117368	-2.0442110	.0028965	-.0005794	.0016721
28	5	28.1653207	20.9562527	-1.2907301	.0027297	-.0015362	.0019807

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
29	5	28.1641348	22.1139711	-.8963673	.0028760	-.0015323	.0019634
30	5	28.0694695	23.1303956	-.1902698	.0032276	-.0000696	.0018375
31	5	29.1523719	20.9788978	-2.7014867	.0027225	-.0002654	.0026654
33	5	29.1559207	22.1317917	-2.3725868	.0027704	-.0010277	.0017551
34	5	26.9676659	20.9220533	.0720452	.0026716	-.0005068	.0016376
35	5	26.9716315	22.0911868	.5178526	.0028520	-.0012400	.0025359
36	5	28.6368813	21.5318031	-1.8675406	.0028849	-.0004649	.0021428
37	5	27.4824110	21.5301396	-.3726814	.0026746	-.0006209	.0021246
38	5	28.0631962	21.5312461	-1.1466293	.0027541	-.0005320	.0021399
39	5	29.1539526	21.5330011	-2.6167129	.0031645	-.0005612	.0021567
40	5	26.9693640	21.5283914	.2183804	.0024490	-.0007612	.0021468
41	5	28.6684372	20.4302187	-2.3954019	.0022878	-.0017097	.0021920
43	5	27.4972915	20.4341897	-.9132337	.0031545	-.0016214	.0020477
44	5	28.0789293	20.4324273	-1.7487540	.0027487	-.0016523	.0021918
45	5	28.6710981	20.1604613	-2.5972075	.0026041	-.0016300	.0022349
46	5	28.6608272	20.6911810	-2.1949564	.0024273	-.0015723	.0021513
47	5	27.4950706	20.2547724	-1.1039676	.0022916	-.0015321	.0016371
48	5	27.4942824	20.6901820	-.7230743	.0031879	-.0015098	.0022014
49	5	28.6559922	20.8550052	-2.0808004	.0024278	-.0014689	.0021679
50	5	27.4923622	20.8566055	-.6123869	.0029993	-.0014140	.0021482
51	5	28.0762200	20.8559826	-1.4150762	.0027179	-.0014340	.0021534
53	5	29.1521202	20.8570606	-2.7145859	.0026806	-.0003071	.0027175
54	5	26.9673971	20.8545330	.0483597	.0027013	-.0005490	.0015766
55	5	28.6447680	21.2277751	-1.9257536	.0027576	-.0004318	.0022426
56	5	27.4863371	21.2946589	-.4501314	.0028229	-.0005545	.0017576
57	5	28.6399016	21.8400631	-1.7819807	.0028792	-.0007358	.0022944

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
58	5	27.4880549	21.7691368	-.2655963	.0026268	-.0009070	.0017924
59	5	28.6443894	22.1948670	-1.6171357	.0026542	-.0012328	.0020252
60	5	27.4958013	22.2004856	-.0785232	.0031016	-.0013355	.0019762
61	5	28.0682145	22.1971054	-.9582845	.0028539	-.0010483	.0021898
63	5	29.1562175	22.1980329	-2.3325010	.0030315	-.0009885	.0016819
64	5	26.9719746	22.1968865	.5665279	.0026155	-.0011994	.0026384
65	5	28.6449412	22.3604930	-1.5121849	.0027464	-.0013453	.0021090
66	5	28.6465757	22.6190435	-1.3414503	.0023418	-.0014796	.0021703
67	5	28.6425018	22.9238646	-1.1577638	.0022605	-.0015320	.0024516
68	5	27.4999501	22.3687081	.0393439	.0024403	-.0015356	.0021667
69	5	27.5061419	22.6236979	.2326897	.0034768	-.0016521	.0020037
70	5	27.5057100	22.7768677	.4400879	.0031867	-.0017331	.0013994
71	5	28.0751419	22.6216247	-.6664868	.0029097	-.0015434	.0021236
73	5	28.5228216	19.6547452	-2.7993716	.0026806	-.0015237	.0018893
74	5	28.5264449	20.6889071	-2.0241805	.0027329	-.0012756	.0018031
75	5	28.5249858	21.8414635	-1.6715217	.0028690	-.0012087	.0018267
76	5	28.5250985	22.8668242	-1.0184571	.0028107	-.0013185	.0006928
77	5	27.3641952	19.6573626	-1.2837913	.0027200	-.0014114	.0043229
78	5	27.3671585	20.6997945	-.5576702	.0027830	-.0012637	.0031541
79	5	27.3702159	21.8476007	-.1349039	.0027786	-.0012886	.0031500
80	5	27.3664832	22.8743239	.6097837	.0027819	-.0014964	.0045463
81	5	28.4151617	19.4603276	-2.8071982	.0027013	-.0015227	.0018989
83	5	28.4376697	20.4944972	-2.0345650	.0026428	-.0011715	.0019011
84	5	28.4394949	21.6371168	-1.6792605	.0028046	-.0011584	.0019229
85	5	28.4241241	22.6554820	-1.0419606	.0029587	-.0013358	.0009537
86	5	27.2588334	19.4535305	-1.2917434	.0028419	-.0014669	.0038320

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
87	5	27.2780546	20.4958968	-.5680200	.0028444	-.0011837	.0027633
88	5	27.2776669	21.6426161	-.1421666	.0028873	-.0012663	.0027528
89	5	27.2568612	22.6627678	.5861736	.0029376	-.0014764	.0040197
90	5	28.1838225	19.4568355	-2.4223803	.0028526	-.0014153	.0016204
91	5	28.1491356	20.4189547	-1.6561714	.0027809	-.0012189	.0019212
92	5	28.1486671	21.5574947	-1.2820426	.0029218	-.0012225	.0019376
93	5	28.2663701	22.6532593	-.6026050	.0032235	-.0012521	.0014197
94	5	27.9610749	19.4547394	-2.0431513	.0028257	-.0013872	.0017871
95	5	27.8812404	20.4180226	-1.2893585	.0027052	-.0012405	.0020789
96	5	27.8789757	21.5578788	-.8951182	.0028507	-.0012674	.0020885
97	5	28.0382925	22.6545469	-.1868588	.0030521	-.0012561	.0020021
98	5	27.6791758	19.4526534	-1.6605023	.0027645	-.0014135	.0025070
99	5	27.5840499	20.4170865	-.9251860	.0026506	-.0012474	.0023530
101	5	28.5284141	21.7324887	-1.0117871	-.0022183	.0029890	.0006036
102	5	28.6812200	22.7268394	-.9948703	-.0015441	.0027739	.0008070
103	5	26.7380159	21.6987072	-1.1420619	-.0014187	.0024928	.0029503
104	5	26.6088924	22.8927078	-1.1530368	-.0022709	.0026599	.0034311
105	5	27.5810163	21.5582696	-.5124965	.0027713	-.0012991	.0023544
106	5	27.7157697	22.6558566	.2194895	.0028143	-.0013413	.0028345
107	5	28.5520251	20.4179787	-2.2324006	.0025435	-.0011782	.0018948
108	5	28.5557533	21.5563487	-1.8922239	.0027345	-.0011650	.0019142
109	5	27.0333497	20.4169181	-.3378343	.0029470	-.0011757	.0027047
110	5	27.0311666	21.5601309	.0856816	.0029186	-.0012520	.0026990
111	5	27.6450668	19.1590042	-.4962027	-.0020754	.0005905	.0024475
112	5	27.2991868	18.8142843	-3.9389470	-.0127217	.0187553	.0010509
113	5	28.4137139	19.7218024	-2.5980025	.0026199	-.0016889	.0022373

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
114	5	28.4183191	20.0060576	-2.3945040	.0026378	-.0016957	.0023344
115	5	27.6008328	20.1429617	-.6743092	-.0018703	.0002537	.0021549
116	5	28.4230989	20.2669160	-2.1925078	.0027234	-.0014963	.0019634
117	5	28.4548733	20.7655074	-1.9306134	.0027414	-.0005742	.0021137
118	5	28.4535923	21.0587963	-1.8649523	.0027820	-.0005663	.0022114
119	5	28.4521913	21.3574934	-1.7774563	.0028596	-.0006541	.0021843
120	5	28.4313398	21.8993690	-1.5094864	.0027297	-.0013994	.0023071
121	5	27.5605591	20.8204226	-.7845576	-.0016835	.0006060	.0018064
122	5	27.5569587	20.6937177	-2.0186749	-.0144809	.0187591	-.0013124
123	5	26.4680317	21.1806402	-2.1698670	.0016279	-.0023854	.0020356
124	5	26.5015530	21.6434573	-1.0826544	.0024562	-.0027776	.0022547
125	5	27.4842209	21.4163010	-.8027976	-.0028415	-.0005865	.0022128
126	5	28.4264560	22.2264844	-1.3396803	.0023363	-.0014688	.0027713
127	5	28.4217061	22.5185273	-1.1611572	.0027272	-.0012717	.0017181
128	5	27.2578134	19.8407645	-1.1020157	.0028327	-.0015666	.0024744
129	5	27.2614401	20.0074204	-.9124727	.0022501	-.0015887	.0010998
130	5	27.2652311	20.1889522	-.7215758	.0025602	-.0014382	.0024188
131	5	27.4190833	21.9348120	-.8397435	-.0015571	.0017939	.0019222
132	5	27.4154468	21.8152305	-2.0003987	-.0147561	.0186251	-.0010815
133	5	27.2922008	20.8181284	-.4541024	.0028589	-.0006798	.0020432
134	5	27.2903582	21.0731591	-.3708975	.0027426	-.0007128	.0018219
135	5	27.3188658	22.8100821	-.9300075	-.0019150	-.0006376	.0021051
136	5	27.2883846	21.3262267	-.2623968	.0026561	-.0008198	.0020222
137	5	27.2660766	21.9287327	.0412531	.0030189	-.0015487	.0020334
138	5	27.2597300	22.0734876	.2343383	.0031768	-.0016777	.0010814
139	5	27.2535452	22.2761516	.4389294	.0025466	-.0014822	.0029016

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
140	5	28.4042893	20.4185039	-2.0343206	.0026533	-.0011756	.0018935
141	5	27.2087933	23.1151628	-1.0069320	-.0023080	.0021784	-.0007570
142	5	27.1120090	23.2059767	-.0671048	-.0154190	.0178870	-.0055722
143	5	26.1932842	21.1961406	-1.6416928	.0039480	-.0020927	.0017332
144	5	26.1928850	21.6294240	-.4736446	.0042489	-.0021580	.0019714
145	5	26.5218834	19.2825676	-.8025634	-.0004335	.0014185	.0021227
146	5	26.1976836	22.0085884	-.9395421	-.0003586	.0044515	.0016842
147	5	27.2440890	20.4163683	-.5677560	.0028183	-.0011895	.0026939
148	5	26.5280637	23.2377075	-1.2220496	-.0003376	.0028809	.0014151
149	5	28.4064551	21.5567931	-1.6790740	.0028165	-.0011642	.0019144
150	5	27.2414036	21.5597597	-.1420172	.0028676	-.0012680	.0026864
151	5	25.1808428	19.1729815	-1.0486802	-.0018505	.0023547	.0044848
152	5	25.2039836	19.1441976	-.7832531	-.0123829	.0164522	.0121854
153	5	27.8509960	19.9756879	-1.7726045	.0027531	-.0015898	.0019348
154	5	27.8598568	21.0669803	-1.2482220	.0027641	-.0006287	.0020365
155	5	26.1981027	20.9907668	-1.1964563	-.0003846	.0044081	.0018888
156	5	27.8518336	22.1482041	-.6877144	.0029359	-.0014592	.0020099
159	5	25.2896587	20.3958888	-1.2282096	-.0019478	-.0005972	.0017562
161	5	25.3887321	20.9236416	-1.3041779	-.0020363	.0020228	.0018774
162	5	25.3858933	20.6705012	1.1909420	-.0144411	.0173289	.0088971
163	5	25.8898474	21.2115356	-1.0583897	.0024553	-.0028267	.0014400
164	5	25.8575434	21.6152626	.1138618	.0019456	-.0026432	.0016384
165	5	25.4623045	21.4173886	-1.3795796	-.0034540	-.0005831	.0014882
171	5	25.5502618	21.8462710	-1.3968960	-.0027611	.0006998	.0021339
172	5	25.5473555	21.5651153	1.3763202	-.0154109	.0171954	.0092435
175	5	25.6391811	22.6045355	-1.4814262	-.0023510	-.0001524	.0017551

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
181	5	25.7368443	23.1598938	-1.4578368	-.0019006	.0004874	.0013063
182	5	25.2586868	22.6818254	3.3373152	-.0095964	.0092263	.0106095
199	5	26.0740623	21.3668212	-1.0747213	.0040392	-.0052541	.0018679
200	5	26.0706876	21.3639757	-.0920438	-.0138170	.0176109	.0000000
201	5	29.1374306	22.5889064	-1.3131588	-.0004019	.0007348	.0015536
202	5	29.2291944	22.5783531	-1.2207009	-.0007315	.0004683	-.0001010
203	5	28.8392489	23.3139883	-1.0869034	-.0012988	-.0002275	-.0000903
204	5	28.9683872	23.2851097	-1.4271671	-.0002767	.0006139	.0009195
205	5	29.2513432	22.6093432	-1.2314528	-.0005449	.0003953	-.0001188
206	5	28.8280314	23.3885306	-1.0922926	-.0014880	-.0002211	-.0001338
207	5	27.0975593	22.4019622	-1.0297204	-.0014381	.0000021	.0041746
208	5	27.3393093	23.5539571	-.8927281	-.0009070	.0003696	.0041640
211	5	29.1876331	20.2718824	-.9801218	-.0003644	.0020705	.0015469
212	5	28.8940353	19.9779027	-3.9502743	.0027428	-.0040473	.0017848
221	5	29.0423181	22.2276579	-1.1375960	-.0010980	.0005837	.0000998
222	5	29.0437627	22.1290274	-2.1298832	.0028752	-.0043336	.0009969
223	5	28.7829151	22.4817724	-1.5211237	.0019410	.0001765	.0018826
224	5	28.7677558	22.9006066	-1.4443043	.0016242	-.0004597	.0018262
225	5	29.0234570	22.6887178	-1.3013064	-.0014787	-.0002051	.0012693
231	5	28.9576923	23.0205844	-1.0651964	-.0007034	-.0007036	.0003741
232	5	28.9591169	22.9251779	-2.0264900	.0034042	-.0041455	.0011955
241	5	28.3417792	24.2186858	-1.0021032	.0004670	.0000818	-.0024060
242	5	28.2661557	24.2969917	-.2265456	.0040654	-.0050107	-.0013340
243	5	28.4475157	22.4635751	-1.1039017	.0028760	.0000807	.0020197
244	5	28.4436055	22.9185553	-1.1029916	.0022640	-.0002878	.0019214
251	5	26.5671250	20.4643691	-1.0587207	-.0002721	-.0002252	.0062634

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
252	5	26.5890177	20.4448318	-.8522795	.0035961	-.0048351	.0084587
253	5	28.6587673	22.1288627	-1.2242169	-.0003037	.0016889	.0021176
254	5	28.4442751	22.1058964	-1.2031830	.0005895	.0009969	.0024476
255	5	28.4400349	23.1756158	-.8524468	.0004582	-.0009803	.0017319
261	5	27.0647268	21.9493658	-1.0650875	-.0005440	-.0007865	.0033276
262	5	27.0660876	21.7437859	.9915756	.0034613	-.0044615	.0067181
263	5	28.1161376	22.4453567	-.6482664	.0022781	.0002441	.0021404
264	5	28.1301642	22.9364946	-.7530404	.0017764	.0001604	.0020430
265	5	27.1096603	22.6885191	-.8778237	-.0014615	.0001568	.0027109
271	5	27.1090345	23.3012489	-1.0240273	-.0004359	-.0000624	.0039075
272	5	27.1104103	23.0736555	1.2515166	.0032028	-.0046385	.0070601
281	5	27.1766928	23.9579111	-1.0431616	-.0006795	.0015759	.0027012
282	5	26.7694810	23.5506945	3.0630381	.0005589	-.0022288	.0102091
299	5	28.5348796	22.7233054	-1.1284375	.0025889	.0000304	.0019744
300	5	28.5372708	22.7255355	-.1003241	.0024770	-.0020485	.0000000
301	5	29.7218337	22.6944035	-1.3161898	.0002015	.0018123	.0016253
302	5	29.6784103	22.7080637	-1.4153704	-.0004182	.0013432	-.0005711
303	5	29.3182674	24.0475753	-1.2425646	-.0004071	.0022743	-.0006888
304	5	29.6880544	24.0675988	-1.1428518	.0001359	.0012206	.0000288
311	5	29.3561495	20.9002171	-1.3543885	-.0002754	-.0003654	.0013142
312	5	28.5141494	20.1219006	-3.5636678	-.0017639	.0018913	.0016416
321	5	29.3300150	22.6513224	-1.2744282	.0000647	.0002788	-.0002280
322	5	28.6169049	21.9578254	-2.0647544	-.0014045	.0019351	.0003700
331	5	28.8156400	23.7493875	-1.1178741	-.0007263	.0002402	-.0003680
332	5	28.5779062	22.8091583	-1.8954797	-.0018988	.0019331	.0005877
341	5	29.0999042	25.0083390	-.9924935	-.0007918	.0006603	-.0036410

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
342	5	27.7486369	23.9231423	-.4615958	-.0013716	.0017766	-.0025565
343	5	29.3286758	22.6390802	-1.3132290	.0000626	.0010889	.0023100
346	5	29.0361987	23.7720769	-1.2631642	.0001426	.0017057	.0025187
351	5	27.5872216	21.3978965	-1.0843523	-.0002354	.0007552	.0077633
352	5	26.4424609	20.3578955	-.9243333	-.0007113	.0013773	.0095107
361	5	27.2579293	22.6239254	-1.0127124	-.0000436	.0004332	.0047021
362	5	26.8789881	21.5651773	.5613856	-.0018310	.0013604	.0073003
371	5	27.5411086	23.7818328	-.7955407	-.0008758	.0003483	.0043025
372	5	26.9097945	22.8350947	.8574774	-.0015185	.0013942	.0076634
381	5	27.5651696	24.4858564	-.6721316	-.0007829	-.0001609	.0034065
382	5	27.0834807	23.7631357	2.4249700	-.0024328	.0005330	.0098286
411	5	29.7561290	21.3303133	-1.9354851	-.0003463	.0005024	.0009750
412	5	29.6063274	21.1805423	-3.4421461	-.0008101	.0012896	.0016064
421	5	29.7900481	22.8026732	-1.5534657	.0001548	-.0008102	-.0004819
422	5	29.7898694	22.7479707	-2.0968293	-.0007084	.0012740	.0004361
423	5	29.4180227	23.2243725	-1.4102200	.0021176	.0004958	.0020071
424	5	29.4016376	23.6925218	-1.4725023	.0017717	.0001081	.0019106
425	5	29.7524171	23.4548468	-1.5206192	-.0001707	-.0003290	.0026262
431	5	29.6884103	23.9523098	-1.3263001	.0002581	-.0000910	-.0002550
432	5	29.6882167	23.8953804	-1.8915067	-.0010748	.0010965	.0006713
441	5	29.1797349	24.7671695	-.9463507	.0021662	-.0006789	-.0041555
442	5	29.1461019	24.8004627	-.6096710	-.0004003	.0014962	-.0024313
443	5	29.0620872	22.8208194	-1.1043825	.0016936	-.0005947	.0023510
446	5	29.0621689	23.9545777	-.9092980	.0015255	-.0008334	.0016685
451	5	27.8389048	21.3360594	-1.1283680	.0016207	-.0010111	.0086634
452	5	27.8478455	21.3268201	-1.0368913	.0000118	.0008007	.0093808

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
461	5	28.1246761	22.8070898	-.7494830	-.0001042	-.0002978	.0049860
462	5	28.1244953	22.7015781	.2986618	-.0011187	.0006329	.0072276
463	5	28.7009853	23.2075255	-.6265232	.0020835	.0005538	.0023241
464	5	28.7151879	23.7071168	-.7241621	.0022993	.0002281	.0022089
465	5	28.1822555	23.4542003	-.5505756	.0000853	-.0002975	.0013904
471	5	28.2102912	23.9208491	-.4830825	.0008425	-.0010975	.0052994
472	5	28.2101110	23.8101061	.6173700	-.0009827	.0006949	.0075934
481	5	28.1799422	24.7639165	-.0750995	-.0006190	.0002014	.0048441
482	5	27.9774822	24.5614562	1.9619365	-.0014590	-.0000735	.0095368
499	5	29.1332561	23.4935620	-1.0936485	.0024124	.0004472	.0021172
500	5	29.1357565	23.4960449	-.1400600	-.0065951	.0065752	.0000000
501	5	27.9450107	23.4698272	-.1380540	.0014492	-.0002176	.0064931
502	5	29.0478031	23.4032841	-1.4915187	.0004916	.0003970	.0002748
503	5	29.2784445	22.3022659	-1.8231955	.0010177	.0001634	.0008056
504	5	27.8503733	22.2542067	-.5367976	.0011365	-.0003134	.0065283
505	5	28.0063824	23.7802008	-.3512873	.0003455	-.0013945	.0053215
506	5	29.4659114	23.8900037	-1.3830943	.0006710	-.0016221	.0000764
507	5	29.5240872	22.7528065	-1.6698742	.0005098	-.0012109	.0004740
508	5	28.0642000	22.7427533	-.6769344	.0006963	-.0012762	.0053447
511	5	29.3587089	21.0285176	-2.3018462	.0012954	-.0008272	.0009955
512	5	29.6195252	21.1262245	-3.1353443	.0011642	-.0007006	.0016079
521	5	29.2739556	22.5350192	-1.7528144	.0010617	-.0003997	.0010204
522	5	29.7380431	22.5798504	-2.0358631	.0012345	-.0009971	.0006632
531	5	29.0703495	23.6061694	-1.4067674	.0015613	-.0011680	.0000584
532	5	29.5446306	23.8076541	-1.7799855	.0012274	-.0010391	.0008848
541	5	29.4023041	24.4150697	-.8868629	.0012451	-.0004622	-.0031683

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
542	5	29.3548467	24.4571879	-.7307528	.0017723	-.0008630	-.0019782
551	5	28.1287738	21.2815454	-1.1736565	.0015938	-.0008450	.0090099
552	5	28.0921841	21.2113835	-1.1321010	.0020184	-.0013072	.0089694
561	5	27.8538766	22.4772139	-.6336985	.0013481	-.0012956	.0057181
562	5	28.1853799	22.6234167	-.0427971	.0012901	-.0013781	.0070265
571	5	27.8696307	23.6603487	-.2352754	.0005977	-.0006334	.0054733
572	5	28.2964562	23.7356251	.3108676	.0012100	-.0014362	.0073804
581	5	27.9374221	24.3141259	.3048088	.0009794	-.0012464	.0063301
582	5	28.0724662	24.3368648	1.3869689	.0004387	-.0013887	.0093019
611	5	29.2081632	20.6326788	-2.7413213	.0012296	-.0005812	.0015800
612	5	29.2046234	20.6290815	-2.7807088	.0012964	-.0007155	.0015962
621	5	29.1634983	21.8556502	-1.9098260	.0021266	-.0011947	.0006358
622	5	29.1636600	21.8544932	-1.9234576	.0019644	-.0012505	.0006885
623	5	28.9013508	22.2848274	-1.6606623	.0028575	-.0012537	.0015353
624	5	28.8982837	22.7820866	-1.3395706	.0032109	-.0015934	.0018866
625	5	29.1168511	22.5319760	-1.8437852	.0027108	-.0007263	.0026419
626	5	28.8292622	22.2840606	-1.5198996	.0028055	-.0012917	.0017264
628	5	28.8064515	22.7825800	-1.1808644	.0031753	-.0015898	.0018978
631	5	29.0533393	23.0856971	-1.5994678	.0019657	-.0005067	.0007972
632	5	29.0536844	23.0841632	-1.6170990	.0019312	-.0007040	.0008513
641	5	28.8619195	23.6914184	-.8652857	.0019768	-.0018835	-.0020098
642	5	28.8604406	23.6928283	-.8544674	.0017422	-.0017238	-.0018952
643	5	28.5666345	21.8673893	-1.3485337	.0028997	-.0009666	.0018346
646	5	28.5632604	23.0390524	-.8548233	.0030966	-.0001664	.0009800
651	5	27.8057499	20.5673385	-1.2205013	.0028171	-.0016258	.0090895
652	5	27.8062165	20.5668345	-1.2174121	.0026256	-.0014730	.0088921

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
661	5	27.8769792	21.8500255	-.4388268	.0022816	-.0010295	.0072290
662	5	27.8772421	21.8466340	-.4072140	.0023099	-.0011289	.0070515
663	5	28.1653983	22.2767396	-.6764305	.0030252	-.0014315	.0026211
664	5	28.1675876	22.7820098	-.3130438	.0028209	-.0017183	.0027208
665	5	27.9147660	22.5284465	-.2645754	.0021928	-.0008421	.0006176
666	5	28.2962056	22.2772638	-.8271455	.0030817	-.0014532	.0025258
668	5	28.3051130	22.7812438	-.4538531	.0028903	-.0016921	.0025014
671	5	27.9339144	22.9643142	-.0534713	.0025461	-.0013554	.0075738
672	5	27.9341145	22.9610139	-.0234239	.0024295	-.0014111	.0073829
681	5	27.8648779	23.6356142	.7540688	.0010532	-.0014663	.0092660
682	5	27.8590697	23.6297513	.8107462	.0011041	-.0015378	.0091001
699	5	28.5909022	22.5664907	-1.0199553	.0029802	-.0016267	.0021688
700	5	28.5930859	22.5686802	-.1518649	.0179625	-.0173322	.0000000
712	5	29.1813604	20.5971839	-2.7559129	.0012640	-.0006743	.0015953
722	5	29.1233403	21.7936766	-1.9143898	.0019900	-.0012194	.0006854
732	5	29.0316709	23.0250214	-1.6045066	.0019447	-.0006272	.0008436
742	5	28.8110135	23.6453656	-.8655788	.0016869	-.0017221	-.0019008
752	5	27.7888337	20.5115584	-1.2247460	.0026233	-.0014276	.0088969
762	5	27.8662058	21.7744228	-.4352806	.0023390	-.0010590	.0070584
772	5	27.9146850	22.8841681	-.0497754	.0024820	-.0013570	.0073883
782	5	27.8421771	23.5684567	.7676919	.0011094	-.0015093	.0090850
811	5	29.1499594	20.5579120	-2.7529068	.0013512	-.0008224	.0016158
821	5	29.0769136	21.7269382	-1.9178064	.0019837	-.0012320	.0007582
831	5	29.0041874	22.9562501	-1.6039167	.0020294	-.0007231	.0009054
841	5	28.7595705	23.6030203	-.8787559	.0014343	-.0013704	-.0017274
851	5	27.7769420	20.4546376	-1.2337612	.0023297	-.0011957	.0085977

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
861	5	27.8540868	21.6869599	-.4539634	.0023348	-.0010418	.0068059
871	5	27.8934145	22.7950849	-.0653589	.0023835	-.0013148	.0071114
881	5	27.8185021	23.4934589	.7458595	.0010653	-.0013988	.0087938
900	5	26.6296459	20.5325215	-.1520318	.0175939	-.0169637	.0000000
Max. Def.		29.7900481	25.0083390	-3.9502743	.0179625	.0187591	.0121854
Joint No.		421	341	212	700	122	152
Load Case		5	5	5	5	5	5

*** 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					
16S	561- 651	1.01	5	581- 671	.80	5	511- 621	.47	5	6	0	1	1	4
18S	441- 531	1.05	5	421- 511	1.03	5	371- 461	.93	5	8	0	2	3	3
203	361- 451	1.31	5	331- 441	.60	5	0- 0	.00	0	2	0	1	1	0
20S	231- 321	1.00	5	451- 511	.99	5	381- 471	.91	5	14	0	1	5	8
243	146- 231	1.45	5	155- 221	1.37	5	381- 441	1.23	5	18	2	3	6	7
24S	361- 301	.57	5	304- 471	.51	5	331- 304	.48	5	10	0	0	2	8
263	161- 251	1.23	5	131- 241	.63	5	0- 0	.00	0	2	0	1	1	0
26S	181- 271	1.80	5	171- 261	1.12	5	121- 231	.71	5	10	1	1	3	5
J08	146- 164	.47	5	123- 155	.36	5	155- 163	.29	5	6	0	0	0	6
J11	123- 101	.32	5	164- 104	.27	5	124- 102	.22	5	4	0	0	0	4
J12	163- 164	.33	5	123- 124	.29	5	0- 0	.00	0	2	0	0	0	2
J16	164- 171	.44	5	121- 123	.40	5	165- 164	.37	5	8	0	0	0	8
J20	135- 141	.32	5	131- 135	.29	5	161- 165	.28	5	16	0	0	0	16
J24	146- 171	.34	5	141- 148	.27	5	145- 151	.26	5	8	0	0	0	8
J2S	121- 145	.17	5	148- 131	.16	5	145- 161	.13	5	4	0	0	0	4
K08	223- 254	.20	5	254- 263	.20	5	224- 255	.19	5	6	0	0	0	6
K11	225- 231	.25	5	221- 225	.16	5	261- 265	.16	5	4	0	0	0	4
K12	223- 224	.08	5	263- 264	.07	5	0- 0	.00	0	2	0	0	0	2
K13	264- 271	.41	5	223- 225	.40	5	263- 265	.40	5	12	0	0	0	12
K18	211- 221	.40	5	271- 281	.19	5	0- 0	.00	0	2	0	0	0	2
K20	243- 263	.13	5	223- 243	.13	5	224- 244	.12	5	4	0	0	0	4
K24	241- 281	.51	5	231- 255	.30	5	254- 261	.29	5	9	0	0	1	8
L20	346- 371	.21	5	331- 346	.13	5	0- 0	.00	0	2	0	0	0	2
L24	331- 381	.38	5	311- 361	.17	5	0- 0	.00	0	2	0	0	0	2
L2S	343- 361	.19	5	321- 343	.14	5	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	1.15	5	581- 681	1.05	5	311- 411	.95	5	14	0	2	6	6
LG3	531- 502	.65	5	561- 504	.61	5	571- 501	.55	5	20	0	0	5	15
LG4	502- 631	.64	5	503- 621	.62	5	504- 661	.58	5	20	0	0	7	13
LG7	681- 782	.52	5	611- 712	.48	5	621- 722	.30	5	14	0	0	1	13
H08	443- 423	.28	5	446- 464	.24	5	424- 446	.23	5	4	0	0	0	4
H09	463- 508	.19	5	424- 506	.18	5	464- 505	.09	5	4	0	0	0	4
H10	464- 471	.63	5	421- 423	.41	5	424- 431	.25	5	8	0	0	1	7
H11	421- 425	.28	5	425- 431	.27	5	465- 471	.26	5	4	0	0	0	4
H12	423- 424	.07	5	463- 464	.06	5	0- 0	.00	0	2	0	0	0	2
H14	471- 481	.31	5	411- 421	.21	5	0- 0	.00	0	2	0	0	0	2
H18	446- 471	.19	5	421- 443	.14	5	443- 461	.14	5	6	0	0	0	6
H20	441- 471	.45	5	421- 451	.37	5	0- 0	.00	0	2	0	0	0	2
H21	463- 423	.07	5	464- 424	.06	5	0- 0	.00	0	2	0	0	0	2
H16	521- 561	.31	5	531- 571	.25	5	0- 0	.00	0	2	0	0	0	2
H20	531- 581	.44	5	511- 561	.19	5	0- 0	.00	0	2	0	0	0	2
P08	626- 643	.30	5	646- 668	.25	5	628- 646	.24	5	4	0	0	0	4
P10	668- 671	.83	5	621- 626	.35	5	631- 628	.25	5	12	0	0	1	11
P12	631- 641	.72	5	671- 681	.57	5	651- 661	.40	5	8	0	0	2	6
P14	646- 671	.44	5	611- 651	.31	5	643- 661	.28	5	6	0	0	0	6
P16	626- 628	.13	5	623- 624	.08	5	666- 668	.08	5	4	0	0	0	4
P18	621- 651	.50	5	641- 671	.35	5	0- 0	.00	0	2	0	0	0	2
P21	668- 664	.09	5	623- 625	.08	5	626- 666	.05	5	6	0	0	0	6
PL2	162- 252	1.31	5	172- 272	1.30	5	142- 242	1.27	5	8	0	8	0	0
PL3	282- 382	.97	5	262- 362	.72	5	272- 372	.66	5	8	0	0	4	4
PL4	382- 482	.91	5	362- 462	.60	5	372- 472	.54	5	8	0	0	3	5

*** 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	.89	5	462- 562	.59	5	472- 572	.53	5	8	0	0	3	5
PL6	582- 682	.83	5	562- 662	.52	5	572- 672	.47	5	8	0	0	2	6
PL7	682- 782	.76	5	662- 762	.48	5	612- 712	.43	5	8	0	0	1	7
PL8	742- 841	.37	5	782- 881	.28	5	722- 821	.22	5	8	0	0	0	8
SIM	199- 164	.44	5	123- 199	.42	5	499- 464	.26	5	16	0	0	0	16
CH2	300- 500	.69	5	500- 700	.68	5	700- 900	.11	5	3	0	0	2	1
CH1	200- 300	.74	5	0- 0	.00	0	0- 0	.00	0	1	0	0	1	0
TL1	841- 4	.41	5	881- 8	.33	5	821- 2	.26	5	8	0	0	0	8
TL2	4- 13	.38	5	8- 17	.34	5	80- 89	.26	5	20	0	0	0	20
TL3	13- 21	.34	5	17- 26	.32	5	26- 80	.27	5	16	0	0	0	16
Total Active Steel Members										431	3	20	62	346

*** 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	
511-	621	165	.470	.143	.218	.243	5	.00	150.01	9.53	-1079.40	1201.63	.000	0	.000	0
521-	631	165	.363	.096	.157	.216	5	.00	-46.77	13.68	-776.25	1065.58	.000	0	.000	0
531-	641	165	.455	.209	.126	.211	5	.00	220.13	-31.20	-620.98	1040.52	.000	0	.000	0
561-	651	165	1.006	.464	.257	.477	5	.00	-248.00	33.82	819.13	-1522.86	.000	0	.000	0
571-	661	165	.413	.036	.216	.309	5	.00	-17.46	-3.36	1065.54	-1524.87	.000	0	.000	0
581-	671	165	.804	.283	.317	.413	5	.00	-140.07	-9.51	1323.48	-1724.32	.000	0	.000	0
321-	431	185	.443	.267	.087	.153	5	.00	317.05	2.68	-548.05	967.88	.000	0	.000	0
451-	561	185	.515	.232	.065	.276	5	62.07	275.06	-70.60	-411.32	1742.91	.000	0	.000	0
461-	571	185	.362	.109	.062	.245	5	59.67	129.89	29.49	-389.78	1547.48	.000	0	.000	0
471-	581	185	.548	.304	.017	.244	5	59.06	360.83	28.67	-104.81	1539.73	.000	0	.000	0
371-	461	185	.925	.574	.215	.277	5	.00	-312.46	.95	682.97	-880.20	.000	0	.000	0
421-	511	185	1.032	.609	.118	.407	5	59.06	-369.95	7.91	359.86	-1238.26	.000	0	.000	0
431-	521	185	.408	.174	.106	.209	5	59.67	-104.37	9.93	652.04	-1288.06	.000	0	.000	0
441-	531	185	1.055	.554	.210	.454	5	62.07	-311.88	106.05	703.43	-1519.74	.000	0	.000	0
331-	441	203	.598	.385	.060	.204	5	.00	384.42	-23.76	-348.69	1185.37	.000	0	.000	0
361-	451	203	1.308	.664	.319	.560	5	.00	-344.32	57.32	783.02	-1374.43	.000	0	.000	0
253-	201	205	.143	.003	.124	.063	5	.00	-3.72	-78.68	-979.30	-496.56	.000	0	.000	0
311-	421	205	.431	.245	.120	.142	5	.00	324.20	-37.87	-944.67	1120.41	.000	0	.000	0
231-	321	205	1.002	.707	.109	.274	5	67.08	-465.64	-36.76	310.11	-776.33	.000	0	.000	0
346-	304	205	.150	.012	.137	.020	5	.00	-13.69	-234.37	1076.62	153.61	.000	0	.000	0
261-	371	205	.419	.310	.017	.107	5	67.08	410.46	18.91	-131.77	843.02	.000	0	.000	0
421-	561	205	.374	.228	.062	.132	5	.00	301.76	136.40	-489.69	-1041.66	.000	0	.000	0
441-	581	205	.428	.354	.021	.071	5	.00	467.95	241.00	-167.59	-561.32	.000	0	.000	0
451-	511	205	.989	.601	.104	.374	5	69.12	-377.34	-194.37	386.42	1394.64	.000	0	.000	0
381-	471	205	.911	.517	.265	.291	5	.00	-326.46	5.99	1196.68	-1313.55	.000	0	.000	0

*** 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 Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
471- 531	205	.836	.485	.215	.276	5	69.00	-305.38	-126.39	1033.80	1327.80	.000	0	.000	0
511- 651	205	.438	.155	.164	.231	5	.00	205.54	205.01	-1292.84	-1813.75	.000	0	.000	0
531- 671	205	.474	.255	.056	.212	5	.00	337.56	207.94	-439.30	-1668.93	.000	0	.000	0
561- 621	205	.627	.398	.128	.190	5	.00	-305.40	-149.22	764.13	1129.15	.000	0	.000	0
581- 641	205	.679	.383	.243	.168	5	.00	-293.86	-216.61	1474.48	1016.05	.000	0	.000	0
145- 251	243	.508	.384	.058	.110	5	.00	461.68	133.63	-470.73	-896.26	.000	0	.000	0
146- 231	243	1.454	.920	.432	.314	5	.00	-663.84	100.53	864.96	628.57	.000	0	.000	0
146- 271	243	.627	.544	.056	.061	5	.00	654.21	-40.08	-457.96	-502.09	.000	0	.000	0
155- 221	243	1.369	.894	.415	.231	5	.00	-645.17	38.18	920.29	513.60	.000	0	.000	0
155- 261	243	.613	.535	.033	.071	5	.00	643.23	-96.02	-273.81	-577.53	.000	0	.000	0
201- 321	243	.088	.041	.025	.040	5	40.85	-40.02	-70.70	205.15	325.13	.000	0	.000	0
145- 211	243	.911	.660	.162	.192	5	.00	-474.71	-45.14	668.32	793.71	.000	0	.000	0
231- 204	243	.124	.048	.003	.076	5	.00	58.05	107.33	-24.71	-622.57	.000	0	.000	0
148- 241	243	1.022	.698	.294	.136	5	.00	-501.85	-87.00	1125.59	518.50	.000	0	.000	0
148- 281	243	.463	.410	.013	.052	5	.00	492.95	18.43	-107.10	-423.07	.000	0	.000	0
251- 361	243	.476	.295	.000	.181	5	76.08	354.11	-46.09	.33	1481.62	.000	0	.000	0
304- 431	243	.131	.055	.062	.044	5	35.87	-55.23	85.29	504.62	358.21	.000	0	.000	0
221- 311	243	.930	.635	.119	.270	5	72.39	-438.36	11.47	491.39	-1114.95	.000	0	.000	0
311- 451	243	.491	.279	.069	.200	5	.00	336.00	185.24	-567.15	-1632.59	.000	0	.000	0
321- 301	243	.108	.018	.022	.067	5	.00	22.17	198.11	-181.46	-710.00	.000	0	.000	0
241- 331	243	1.071	.632	.230	.374	5	76.08	-412.19	111.78	901.41	-1467.03	.000	0	.000	0
271- 381	243	.532	.376	.028	.153	5	72.39	452.55	-30.71	225.83	1251.32	.000	0	.000	0
381- 441	243	1.232	.644	.440	.391	5	.00	-398.62	-198.98	1607.25	1427.13	.000	0	.000	0
201- 343	245	.038	.010	.001	.028	5	25.88	15.99	150.06	-9.50	-314.36	.000	0	.000	0
202- 201	245	.080	.017	.020	.060	5	35.45	26.56	37.05	-228.16	677.28	.000	0	.000	0

*** 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 Tx	Moment My	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
203- 204	245	.113	.049	.031	.056	5	.00	-63.45	102.14	349.63	-631.78	.000	0	.000	0
301- 343	245	.076	.007	.050	.049	5	23.37	10.65	-128.54	-561.79	547.02	.000	0	.000	0
301- 421	245	.458	.389	.014	.067	5	.00	-508.92	109.88	153.39	-753.06	.000	0	.000	0
302- 301	245	.101	.026	.016	.074	5	35.45	-34.37	65.21	-185.52	829.77	.000	0	.000	0
303- 304	245	.127	.036	.057	.070	5	.00	57.99	-168.61	646.92	-787.32	.000	0	.000	0
331- 304	245	.480	.352	.003	.128	5	.00	562.04	127.98	-30.72	-1439.26	.000	0	.000	0
304- 471	245	.514	.372	.072	.122	5	.00	593.42	152.88	808.59	1378.54	.000	0	.000	0
361- 301	245	.566	.408	.047	.150	5	39.52	-533.30	-364.79	525.09	-1678.97	.000	0	.000	0
131- 241	263	.628	.500	.028	.125	5	.00	651.65	-107.64	266.27	1185.39	.000	0	.000	0
161- 251	263	1.226	.795	.291	.317	5	.00	-580.51	123.27	902.83	-983.49	.000	0	.000	0
111- 221	265	.605	.537	.032	.060	5	.00	929.10	-65.80	-415.76	791.85	.000	0	.000	0
121- 231	265	.715	.615	.083	.055	5	.00	1063.54	-58.36	-1092.54	727.18	.000	0	.000	0
171- 261	265	1.122	.810	.302	.076	5	.00	-882.40	-22.32	1555.08	-391.23	.000	0	.000	0
181- 271	265	1.796	.913	.737	.486	5	.00	-836.00	54.73	1438.13	-947.45	.000	0	.000	0
271- 204	265	.485	.342	.100	.102	5	44.96	-477.36	-317.28	1327.42	-1348.48	.000	0	.000	0
204- 331	265	.405	.321	.065	.052	5	.00	-449.30	-60.36	871.58	-691.13	.000	0	.000	0
221- 201	265	.300	.255	.019	.041	5	.00	441.35	133.94	245.23	-541.89	.000	0	.000	0
201- 361	265	.369	.251	.054	.104	5	.00	434.27	217.89	713.81	1370.37	.000	0	.000	0
241- 381	265	.332	.280	.009	.051	5	90.08	484.72	223.43	122.44	-673.80	.000	0	.000	0
251- 311	265	.669	.494	.136	.111	5	90.08	-407.46	-189.81	1068.74	873.30	.000	0	.000	0
200- 300	CN1	.745	.014	.474	.556	5	.00	-372.31	.00	-90256.05	-105838.40	.000	0	.000	0
300- 500	CN2	.693	.031	.462	.473	5	98.00	-110.40	.00	27769.15	28435.89	.000	0	.000	0
500- 700	CN2	.685	.024	.462	.473	5	.00	-110.40	.00	27769.15	28435.89	.000	0	.000	0
700- 900	CN2	.108	.002	.075	.075	5	.00	-14.49	.00	4515.61	4515.61	.000	0	.000	0
123- 155	J08	.361	.136	.219	.048	5	.00	75.22	68.53	289.92	-63.23	.000	0	.000	0

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

Member	Group	Maximum Combined Unity CK	Unity Check			Load Case	Dist From	Force Fx	Critical Member Loads	Moment My	Moment Mz	Next Two Highest Cases			
			Axial	Y-Axis	Z-Axis							End(Ft)	Torsion Mx	Combined Unity CK	LD CN
124-146	J08	.277	.174	.103	.013	5	18.89	95.68	36.24	-136.10	-16.59	.000	0	.000	0
144-146	J08	.290	.021	.264	.053	5	.00	11.46	-72.90	-349.77	70.67	.000	0	.000	0
146-164	J08	.475	.224	.245	.052	5	18.89	-88.77	-73.06	-326.41	-69.15	.000	0	.000	0
155-143	J08	.274	.025	.246	.044	5	12.92	-11.51	68.55	325.04	57.99	.000	0	.000	0
155-163	J08	.295	.205	.089	.005	5	.00	-81.21	-36.10	120.45	-6.56	.000	0	.000	0
123-101	J11	.316	.130	.159	.095	5	.00	-43.79	-48.94	487.88	290.16	.000	0	.000	0
124-102	J11	.220	.014	.043	.201	5	.00	-4.60	-82.43	132.24	616.70	.000	0	.000	0
163-103	J11	.214	.006	.050	.201	5	.00	5.13	80.50	-153.92	-616.04	.000	0	.000	0
164-104	J11	.271	.061	.187	.096	5	.00	50.57	50.74	-573.59	-293.01	.000	0	.000	0
123-124	J12	.289	.098	.191	.005	5	.00	110.04	39.70	767.47	-19.72	.000	0	.000	0
163-164	J12	.326	.113	.212	.013	5	19.17	-106.05	-24.43	-854.39	-50.52	.000	0	.000	0
121-123	J16	.402	.150	.247	.047	5	34.99	-115.21	-63.00	1301.02	-249.80	.000	0	.000	0
123-125	J16	.296	.101	.189	.046	5	.00	106.18	-124.75	935.19	225.27	.000	0	.000	0
124-131	J16	.186	.109	.072	.028	5	.00	114.20	-231.72	356.15	138.23	.000	0	.000	0
125-124	J16	.258	.133	.123	.020	5	33.90	-103.89	-25.22	608.26	-96.66	.000	0	.000	0
161-163	J16	.248	.181	.058	.031	5	34.99	-138.86	249.32	-301.84	161.24	.000	0	.000	0
163-165	J16	.244	.126	.115	.024	5	.00	132.96	20.11	-566.39	-118.80	.000	0	.000	0
164-171	J16	.441	.162	.273	.059	5	.00	170.28	55.38	-1349.28	-293.79	.000	0	.000	0
165-164	J16	.372	.174	.192	.046	5	33.90	-135.52	146.18	-1003.54	239.51	.000	0	.000	0
111-115	J20	.104	.091	.004	.012	5	33.40	-156.68	26.80	46.95	-148.39	.000	0	.000	0
115-121	J20	.109	.089	.018	.009	5	30.41	-156.68	26.80	-222.33	113.95	.000	0	.000	0
121-125	J20	.246	.213	.014	.029	5	.00	-401.34	-224.55	194.65	401.89	.000	0	.000	0
123-143	J20	.218	.063	.147	.050	5	.00	133.05	92.65	1788.46	-611.37	.000	0	.000	0
124-144	J20	.189	.061	.116	.054	5	.00	-120.46	196.16	1416.33	-654.53	.000	0	.000	0
125-131	J20	.273	.182	.090	.012	5	22.50	-342.45	249.05	-1244.51	163.99	.000	0	.000	0

*** 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 Mx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
131- 135	J20	.289	.221	.057	.037	5	.00	-389.89	-51.35	760.32	491.33	.000	0	.000	0
135- 141	J20	.316	.227	.080	.038	5	33.40	-389.89	-51.35	-1041.78	-489.17	.000	0	.000	0
143- 163	J20	.182	.062	.107	.054	5	13.78	132.14	-232.39	-1297.86	-662.27	.000	0	.000	0
144- 164	J20	.225	.061	.156	.051	5	13.78	-121.56	-153.61	-1898.51	-623.09	.000	0	.000	0
151- 159	J20	.262	.182	.071	.037	5	.00	385.43	-12.71	867.45	-449.48	.000	0	.000	0
159- 161	J20	.275	.182	.084	.038	5	30.41	385.43	-12.71	-1026.43	464.56	.000	0	.000	0
161- 165	J20	.285	.183	.101	.011	5	.00	386.80	-274.90	1235.57	138.17	.000	0	.000	0
165- 171	J20	.267	.219	.026	.041	5	22.50	462.43	134.37	-316.27	495.04	.000	0	.000	0
171- 175	J20	.181	.164	.014	.010	5	.00	345.93	58.84	172.68	118.70	.000	0	.000	0
175- 181	J20	.194	.164	.029	.009	5	33.40	345.93	58.84	-352.08	113.53	.000	0	.000	0
111- 145	J24	.226	.149	.072	.029	5	.00	324.50	118.28	1102.01	-441.65	.000	0	.000	0
121- 155	J24	.258	.206	.039	.034	5	.00	447.35	543.15	606.81	518.38	.000	0	.000	0
131- 146	J24	.162	.089	.072	.015	5	.00	193.75	379.65	1102.33	231.42	.000	0	.000	0
141- 148	J24	.268	.148	.092	.078	5	.00	321.82	100.36	1410.34	1199.81	.000	0	.000	0
145- 151	J24	.264	.171	.056	.074	5	46.30	-287.79	133.74	-926.91	1230.26	.000	0	.000	0
146- 171	J24	.340	.254	.072	.046	5	46.30	-426.27	-535.95	-1142.71	729.31	.000	0	.000	0
148- 181	J24	.185	.122	.062	.013	5	46.30	-204.35	-341.92	-948.41	-199.40	.000	0	.000	0
155- 161	J24	.192	.105	.085	.020	5	46.30	-176.28	-340.76	-1304.60	305.01	.000	0	.000	0
121- 145	J25	.173	.086	.061	.062	5	78.83	-70.86	-33.41	682.67	-696.70	.000	0	.000	0
145- 161	J25	.131	.033	.098	.004	5	.00	52.94	-58.91	1102.06	48.42	.000	0	.000	0
148- 131	J25	.157	.031	.126	.001	5	78.83	49.92	101.63	1414.08	16.36	.000	0	.000	0
171- 148	J25	.113	.036	.050	.059	5	.00	-29.29	42.54	561.45	662.28	.000	0	.000	0
223- 254	K08	.204	.174	.010	.028	5	18.89	-45.84	11.30	-9.64	-26.40	.000	0	.000	0
224- 255	K08	.185	.096	.089	.007	5	18.89	-25.22	-8.74	-80.94	-6.77	.000	0	.000	0
244- 255	K08	.115	.018	.096	.010	5	.00	-5.61	-19.59	87.51	-9.42	.000	0	.000	0

*** 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 Mx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
254- 243	K08	.131	.014	.117	.007	5	.00	5.09	24.81	105.76	6.74	.000	0	.000	0
254- 263	K08	.197	.069	.127	.016	5	.00	25.01	4.49	115.25	-14.66	.000	0	.000	0
255- 264	K08	.150	.111	.013	.037	5	.00	40.24	-.51	11.45	-33.83	.000	0	.000	0
221- 225	K11	.162	.059	.024	.100	5	.00	-38.85	-11.83	-72.75	306.58	.000	0	.000	0
225- 231	K11	.248	.205	.033	.026	5	.00	-136.01	24.09	109.30	85.89	.000	0	.000	0
261- 265	K11	.158	.111	.041	.022	5	22.50	92.66	-28.51	-126.15	67.23	.000	0	.000	0
265- 271	K11	.110	.002	.039	.101	5	22.50	-1.12	31.86	120.44	310.49	.000	0	.000	0
223- 224	K12	.076	.053	.023	.001	5	.00	-49.77	-15.18	93.42	4.76	.000	0	.000	0
263- 264	K12	.066	.041	.024	.007	5	.00	46.05	-24.05	-95.43	29.29	.000	0	.000	0
221- 223	K13	.322	.219	.102	.014	5	29.77	137.75	17.27	242.50	34.04	.000	0	.000	0
223- 205	K13	.143	.025	.117	.011	5	.00	-8.50	-10.95	276.38	-25.15	.000	0	.000	0
223- 225	K13	.403	.311	.091	.019	5	.00	-140.96	-15.01	202.61	-43.20	.000	0	.000	0
224- 206	K13	.136	.018	.080	.086	5	.00	-6.01	-34.59	189.78	204.45	.000	0	.000	0
224- 231	K13	.162	.069	.093	.005	5	.00	-30.39	-14.33	220.76	-11.79	.000	0	.000	0
225- 224	K13	.299	.223	.067	.037	5	28.48	140.40	15.25	159.11	86.48	.000	0	.000	0
261- 263	K13	.147	.018	.129	.005	5	29.77	11.06	5.37	-306.07	-12.73	.000	0	.000	0
263- 207	K13	.158	.023	.104	.085	5	.00	14.76	34.12	-246.38	-199.96	.000	0	.000	0
263- 265	K13	.401	.299	.096	.035	5	.00	-135.71	-25.42	-216.30	79.94	.000	0	.000	0
264- 208	K13	.089	.011	.078	.013	5	.00	6.63	11.22	-183.84	31.25	.000	0	.000	0
264- 271	K13	.406	.306	.098	.017	5	.00	-135.44	-21.06	-217.13	37.20	.000	0	.000	0
265- 264	K13	.279	.216	.008	.063	5	.00	135.94	20.60	17.88	148.26	.000	0	.000	0
211- 221	K18	.404	.267	.066	.119	5	.00	-166.15	-25.71	366.40	659.40	.000	0	.000	0
271- 281	K18	.189	.065	.025	.122	5	58.10	77.36	-8.54	-158.28	767.85	.000	0	.000	0
223- 243	K20	.131	.079	.050	.017	5	.00	-156.20	-30.34	610.63	205.16	.000	0	.000	0
224- 244	K20	.118	.073	.042	.017	5	.00	154.07	54.41	505.99	208.75	.000	0	.000	0

*** 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 Mx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
243- 263	K20		.132	.079	.051	.016	5	13.78	-156.38	51.73	-626.50	197.07	.000	0	.000	0
244- 264	K20		.111	.073	.033	.018	5	13.78	153.98	141.92	-404.96	220.34	.000	0	.000	0
211- 251	K24		.246	.133	.080	.081	5	.00	159.44	-106.16	654.36	-661.25	.000	0	.000	0
221- 251	K24		.239	.004	.127	.198	5	.00	4.23	-42.81	1042.51	-1620.76	.000	0	.000	0
221- 253	K24		.264	.196	.067	.008	5	.00	-200.56	125.25	613.27	68.92	.000	0	.000	0
231- 255	K24		.297	.214	.084	.001	5	.00	256.83	-25.59	682.88	9.57	.000	0	.000	0
241- 271	K24		.283	.048	.141	.188	5	99.85	-19.39	15.36	1153.51	-1533.69	.000	0	.000	0
241- 281	K24		.509	.362	.111	.097	5	81.20	-216.00	69.09	687.46	-602.56	.000	0	.000	0
253- 254	K24		.285	.172	.097	.058	5	.00	-206.82	-347.89	794.12	476.26	.000	0	.000	0
254- 261	K24		.294	.267	.025	.010	5	.00	-259.31	-164.94	212.51	-90.26	.000	0	.000	0
255- 271	K24		.218	.173	.040	.020	5	40.60	208.13	84.89	327.73	162.51	.000	0	.000	0
331- 346	L20		.128	.030	.017	.097	5	43.00	39.06	95.98	135.40	765.04	.000	0	.000	0
346- 371	L20		.214	.020	.177	.081	5	27.90	25.88	-137.03	-1390.18	-636.70	.000	0	.000	0
311- 361	L24		.172	.079	.093	.002	5	.00	95.45	33.04	760.60	-18.55	.000	0	.000	0
331- 381	L24		.385	.234	.151	.010	5	.00	-120.21	-15.07	1109.84	74.91	.000	0	.000	0
321- 343	L25		.144	.023	.020	.119	5	35.45	-30.81	112.62	220.00	1341.42	.000	0	.000	0
343- 361	L25		.189	.028	.069	.146	5	.00	-38.13	-91.15	772.29	1641.79	.000	0	.000	0
111- 211	LG2		.451	.282	.118	.120	5	5.00	-714.68	-390.47	-4943.63	-5018.56	.000	0	.000	0
141- 241	LG2		.142	.006	.024	.134	5	52.57	17.59	-1434.40	898.28	5075.81	.000	0	.000	0
151- 251	LG2		.111	.001	.026	.106	5	52.57	3.19	1473.53	986.64	-4030.14	.000	0	.000	0
181- 281	LG2		.346	.199	.097	.110	5	5.00	615.40	781.59	3659.25	4155.87	.000	0	.000	0
211- 311	LG2		.542	.417	.011	.124	5	5.00	-1074.75	-350.79	439.77	5103.78	.000	0	.000	0
281- 381	LG2		.435	.327	.004	.107	5	5.00	1010.75	667.47	-166.01	-4062.68	.000	0	.000	0
311- 411	LG2		.950	.778	.162	.058	5	5.00	-2031.16	-218.13	-6392.35	-2292.24	.000	0	.000	0
361- 461	LG2		.487	.327	.031	.157	5	41.73	1011.15	303.15	-1183.04	-5926.31	.000	0	.000	0

*** 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 Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
371- 471	LG2	.604	.399	.080	.189	5	41.73	1231.78	969.46	-3028.74	-7159.30	.000	0	.000	0
381- 481	LG2	.812	.668	.129	.064	5	5.00	2062.74	1164.03	4873.46	2419.42	.000	0	.000	0
411- 511	LG2	.878	.764	.111	.027	5	5.00	-2021.69	49.40	4482.33	1076.13	.000	0	.000	0
481- 581	LG2	.788	.672	.112	.031	5	5.00	2074.49	1404.71	-4243.07	-1184.50	.000	0	.000	0
511- 611	LG2	1.148	1.007	.136	.034	5	5.00	-2702.70	679.27	-5514.28	-1370.60	.000	0	.000	0
581- 681	LG2	1.053	.927	.120	.036	5	5.00	2862.40	3326.48	4560.75	1355.64	.000	0	.000	0
121- 101	LG3	.461	.267	.059	.185	5	5.00	-717.71	-1047.71	-2583.94	-8050.41	.000	0	.000	0
131- 102	LG3	.353	.149	.063	.194	5	5.00	-401.86	-1105.06	-2383.57	-7340.07	.000	0	.000	0
161- 103	LG3	.291	.143	.000	.148	5	5.00	441.81	1114.38	17.47	5606.44	.000	0	.000	0
171- 104	LG3	.421	.236	.017	.185	5	5.00	728.79	1196.22	-626.97	6989.87	.000	0	.000	0
241- 341	LG3	.193	.013	.037	.176	5	5.00	39.44	-750.57	-1396.31	-6677.12	.000	0	.000	0
251- 351	LG3	.178	.025	.033	.150	5	5.00	-63.21	1003.46	-1241.28	5661.95	.000	0	.000	0
261- 207	LG3	.139	.023	.096	.065	5	5.00	-63.74	985.64	3624.71	2474.79	.000	0	.000	0
271- 208	LG3	.267	.212	.036	.040	5	5.00	656.08	273.74	1377.60	1513.47	.000	0	.000	0
321- 302	LG3	.545	.404	.042	.135	5	5.00	-1114.24	-401.97	-1829.75	-5899.49	.000	0	.000	0
331- 303	LG3	.509	.253	.092	.239	5	5.00	-781.95	-199.41	-3491.90	-9041.98	.000	0	.000	0
421- 507	LG3	.442	.383	.057	.014	5	22.11	-1060.27	1654.83	2486.12	635.44	.000	0	.000	0
431- 506	LG3	.294	.200	.022	.092	5	5.00	-553.02	322.22	-968.05	4054.33	.000	0	.000	0
441- 541	LG3	.181	.002	.015	.179	5	5.00	5.15	987.11	-574.39	-6767.03	.000	0	.000	0
451- 551	LG3	.178	.019	.006	.159	5	5.00	-50.56	293.37	-243.57	6017.44	.000	0	.000	0
461- 508	LG3	.297	.225	.054	.048	5	22.11	693.41	824.99	-2060.63	-1825.09	.000	0	.000	0
471- 505	LG3	.481	.413	.060	.032	5	5.00	1275.12	93.62	2282.64	-1203.92	.000	0	.000	0
521- 503	LG3	.487	.399	.009	.087	5	5.00	-1115.29	-388.77	395.70	-3848.89	.000	0	.000	0
531- 502	LG3	.648	.448	.098	.174	5	5.00	-1250.71	915.40	-4342.23	-7690.40	.000	0	.000	0
561- 504	LG3	.606	.459	.060	.134	5	5.00	1417.52	1747.26	2271.84	5089.43	.000	0	.000	0

*** 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)	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	
571-	501	LG3	.551	.448	.052	.089	5	5.00	1382.67	2400.40	-1962.86	3367.29	.000	0	.000	0
101-	221	LG4	.459	.216	.130	.205	5	17.11	-666.26	-1344.93	4937.05	7765.52	.000	0	.000	0
102-	231	LG4	.390	.129	.059	.254	5	17.11	-356.97	-1410.53	2250.64	9618.44	.000	0	.000	0
103-	261	LG4	.395	.148	.058	.240	5	17.11	455.73	1274.36	-2208.22	-9104.44	.000	0	.000	0
104-	271	LG4	.544	.250	.176	.234	5	17.11	772.96	1352.74	-6681.13	-8875.45	.000	0	.000	0
207-	361	LG4	.149	.016	.125	.043	5	16.61	-45.22	898.22	-4729.39	1642.91	.000	0	.000	0
208-	371	LG4	.224	.216	.008	.003	5	.00	666.12	260.69	290.72	105.99	.000	0	.000	0
302-	421	LG4	.540	.383	.077	.136	5	18.37	-1056.53	-214.26	3401.38	5970.86	.000	0	.000	0
303-	431	LG4	.449	.277	.032	.168	5	18.37	-765.57	335.12	-1419.25	7424.03	.000	0	.000	0
341-	441	LG4	.096	.016	.014	.079	5	.00	49.28	-750.57	521.75	2982.91	.000	0	.000	0
351-	451	LG4	.099	.020	.004	.078	5	.00	-53.38	1003.46	-153.04	-2965.88	.000	0	.000	0
501-	671	LG4	.559	.451	.057	.091	5	14.15	1393.42	2540.50	-2139.10	-3457.41	.000	0	.000	0
502-	631	LG4	.642	.517	.085	.091	5	14.15	-1438.43	919.11	3756.15	4010.92	.000	0	.000	0
503-	621	LG4	.624	.487	.134	.030	5	.00	-1354.65	-649.72	5903.14	1311.34	.000	0	.000	0
504-	661	LG4	.582	.462	.094	.074	5	14.15	1427.09	1642.54	-3550.94	-2796.66	.000	0	.000	0
505-	571	LG4	.505	.416	.023	.085	5	14.60	1285.77	156.80	-871.76	3230.99	.000	0	.000	0
506-	531	LG4	.284	.188	.047	.084	5	14.60	-521.42	56.66	2086.79	-3703.95	.000	0	.000	0
507-	521	LG4	.466	.378	.019	.086	5	14.60	-1049.89	1299.75	852.84	-3804.67	.000	0	.000	0
508-	561	LG4	.297	.226	.054	.046	5	.00	698.62	777.36	-2052.72	-1737.27	.000	0	.000	0
541-	641	LG4	.106	.004	.016	.101	5	.00	12.88	987.46	-588.90	3822.44	.000	0	.000	0
551-	651	LG4	.122	.016	.003	.106	5	.00	-42.84	293.00	-108.19	-4009.02	.000	0	.000	0
202-	205	LG7	.153	.100	.049	.019	5	.00	-610.00	-403.62	4055.27	1584.27	.000	0	.000	0
205-	321	LG7	.149	.104	.042	.015	5	.00	-614.59	-385.32	3511.50	1253.94	.000	0	.000	0
203-	206	LG7	.087	.027	.060	.001	5	.00	163.47	-691.41	-4987.24	-98.57	.000	0	.000	0
206-	331	LG7	.140	.028	.103	.044	5	21.61	169.76	-599.55	8517.74	-3688.97	.000	0	.000	0

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

Member JA -JB	Group ID	Maximum Combined Unity CK	/--- Unity Check ---/ Component Values			Load Case No.	Dist From End(Ft)	/----- Critical Member Loads -----/ Force Torsion Moment Moment				Next Two Highest Cases			
			Axial	Y-Axis	Z-Axis			Fx (Kips)	Tx	My (In-Kips)	Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
221- 202	LG7	.172	.107	.062	.018	5	25.88	-625.64	-565.36	5115.45	1512.78	.000	0	.000	0
231- 203	LG7	.061	.016	.015	.043	5	.00	94.89	-1109.24	-1253.24	-3571.28	.000	0	.000	0
611- 712	LG7	.477	.437	.038	.015	5	2.64	-2667.66	245.08	3117.62	1213.69	.000	0	.000	0
621- 722	LG7	.301	.228	.071	.013	5	.00	-1394.13	1234.92	-5928.99	1044.78	.000	0	.000	0
631- 732	LG7	.293	.236	.017	.055	5	.00	-1438.75	900.63	-1387.36	4591.15	.000	0	.000	0
641- 742	LG7	.149	.004	.055	.134	5	.00	24.11	4000.57	-4550.43	-11164.20	.000	0	.000	0
651- 752	LG7	.119	.007	.006	.111	5	.00	-45.57	-6016.89	-510.82	9207.57	.000	0	.000	0
661- 762	LG7	.273	.235	.032	.020	5	.00	1437.88	-4392.52	-2560.07	-1699.90	.000	0	.000	0
671- 772	LG7	.275	.248	.026	.007	5	2.63	1517.39	-4857.53	2149.19	-581.11	.000	0	.000	0
681- 782	LG7	.519	.474	.043	.008	5	.00	2897.29	-4732.97	-3609.45	-662.14	.000	0	.000	0
424- 446	M08	.229	.167	.062	.003	5	.00	-44.01	-6.35	59.26	2.66	.000	0	.000	0
443- 423	M08	.281	.208	.012	.072	5	.00	-54.83	-3.75	-11.40	66.97	.000	0	.000	0
443- 463	M08	.156	.104	.052	.000	5	18.89	37.83	8.20	-46.75	.03	.000	0	.000	0
446- 464	M08	.238	.168	.044	.054	5	18.89	60.97	1.82	40.36	-48.81	.000	0	.000	0
423- 507	M09	.082	.010	.068	.025	5	.00	-3.18	4.51	112.12	-40.74	.000	0	.000	0
424- 506	M09	.179	.013	.065	.152	5	.00	-4.41	-10.58	107.72	252.10	.000	0	.000	0
463- 508	M09	.191	.015	.069	.162	5	.00	7.72	20.94	-114.73	-267.94	.000	0	.000	0
464- 505	M09	.085	.008	.054	.054	5	29.50	4.45	7.02	-90.06	89.34	.000	0	.000	0
421- 423	M10	.412	.291	.024	.119	5	.00	149.53	32.39	-38.32	192.92	.000	0	.000	0
423- 425	M10	.228	.133	.003	.094	5	19.53	-54.19	-6.43	-4.80	152.25	.000	0	.000	0
424- 431	M10	.248	.115	.109	.076	5	.00	-45.23	-11.00	176.53	122.46	.000	0	.000	0
425- 424	M10	.161	.100	.057	.022	5	19.53	51.59	21.22	91.28	34.94	.000	0	.000	0
461- 463	M10	.217	.077	.111	.086	5	21.37	39.61	9.37	-178.83	139.17	.000	0	.000	0
463- 465	M10	.207	.143	.025	.058	5	19.53	-58.25	-27.40	40.33	-94.26	.000	0	.000	0
464- 471	M10	.633	.464	.041	.164	5	21.37	-181.77	-28.16	58.14	233.86	.000	0	.000	0

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

Member JA -JB	Group ID	Maximum Combined Unity CK	/--- Unity Check ---/ Component Values			Load Case No.	Dist From End(Ft)	Force Fx (Kips)	/----- Critical Member Loads -----/ Torsion Moment Moment			Next Two Highest Cases			
			Axial	Y-Axis	Z-Axis				Mx	My	Mz	Combined Unity CK	LD CM	Combined Unity CK	LD CM
465- 464	M10	.221	.118	.001	.104	5	.00	60.51	9.99	.96	167.74	.000	0	.000	0
421- 425	M11	.282	.117	.045	.159	5	.00	-77.77	-10.11	-136.57	485.81	.000	0	.000	0
425- 431	M11	.274	.200	.041	.062	5	22.50	-132.29	13.32	-133.21	-204.70	.000	0	.000	0
461- 465	M11	.236	.143	.034	.086	5	.00	119.00	5.89	104.21	-263.57	.000	0	.000	0
465- 471	M11	.265	.070	.047	.189	5	22.50	57.94	23.52	145.28	579.00	.000	0	.000	0
423- 424	M12	.074	.057	.005	.016	5	.00	-53.79	-16.58	20.95	63.24	.000	0	.000	0
463- 464	M12	.060	.041	.006	.017	5	19.17	46.62	10.34	25.04	68.22	.000	0	.000	0
411- 421	M14	.211	.039	.002	.172	5	.00	27.24	7.48	4.71	493.96	.000	0	.000	0
471- 481	M14	.305	.074	.038	.228	5	48.30	-24.37	-21.81	108.51	655.78	.000	0	.000	0
411- 451	M18	.127	.005	.008	.121	5	.00	6.20	-50.03	51.94	-764.67	.000	0	.000	0
421- 443	M18	.136	.033	.041	.094	5	.00	39.14	14.24	258.42	596.62	.000	0	.000	0
431- 446	M18	.091	.004	.039	.078	5	.00	4.89	-49.08	243.45	494.92	.000	0	.000	0
441- 481	M18	.073	.006	.015	.065	5	61.60	-3.51	29.10	91.70	-413.72	.000	0	.000	0
443- 461	M18	.135	.031	.034	.099	5	30.80	-29.61	19.63	-211.87	624.44	.000	0	.000	0
446- 471	M18	.192	.076	.002	.116	5	30.80	-72.74	-17.46	10.18	732.06	.000	0	.000	0
421- 451	M20	.375	.036	.030	.338	5	.00	35.51	-29.22	176.44	-1962.72	.000	0	.000	0
441- 471	M20	.453	.128	.130	.297	5	78.28	-48.42	13.40	755.49	-1727.11	.000	0	.000	0
463- 423	M21	.069	.040	.028	.006	5	.00	-72.30	9.19	-343.22	67.74	.000	0	.000	0
464- 424	M21	.059	.030	.029	.004	5	27.56	62.64	18.99	351.53	50.72	.000	0	.000	0
521- 561	M16	.310	.120	.025	.188	5	.00	-48.24	-18.27	94.38	-710.54	.000	0	.000	0
531- 571	M16	.245	.057	.073	.174	5	.00	45.22	10.90	277.23	-656.99	.000	0	.000	0
511- 561	M20	.186	.126	.007	.060	5	69.21	125.72	-10.18	40.18	345.79	.000	0	.000	0
531- 581	M20	.436	.300	.080	.110	5	69.21	-143.28	-13.42	386.57	527.26	.000	0	.000	0
626- 643	P08	.304	.207	.007	.097	5	16.25	-58.36	1.07	-6.25	-93.24	.000	0	.000	0
628- 646	P08	.237	.154	.081	.015	5	.00	-43.50	6.95	-80.15	15.00	.000	0	.000	0

*** 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 Ftx	Moment My (In-Kips)	Moment Mtx	Combined Unity CK	LD CN	Combined Unity CK	LD CN
643- 666	PO8	.157	.123	.012	.032	5	.00	44.52	-1.34	-10.64	29.33	.000	0	.000	0
646- 668	PO8	.249	.157	.082	.042	5	16.25	57.06	-6.67	-74.07	-37.92	.000	0	.000	0
621- 626	P10	.350	.218	.070	.112	5	.00	111.99	6.83	-113.66	180.27	.000	0	.000	0
623- 625	P10	.104	.056	.012	.046	5	13.19	-25.18	-10.93	-19.77	74.59	.000	0	.000	0
625- 624	P10	.096	.040	.046	.032	5	.00	20.72	-5.27	74.18	-51.40	.000	0	.000	0
626- 503	P10	.148	.032	.113	.029	5	27.44	-10.78	7.69	-182.23	-46.94	.000	0	.000	0
628- 502	P10	.199	.036	.021	.162	5	27.44	-12.27	-13.83	34.50	260.80	.000	0	.000	0
631- 628	P10	.253	.168	.059	.060	5	18.37	-69.91	-27.44	-104.18	-106.46	.000	0	.000	0
663- 665	P10	.155	.050	.022	.103	5	13.19	-22.74	-4.99	-34.95	-165.81	.000	0	.000	0
665- 664	P10	.186	.051	.054	.124	5	.00	26.14	24.76	87.06	200.75	.000	0	.000	0
666- 504	P10	.164	.015	.012	.149	5	.00	-4.97	-14.03	19.20	-240.91	.000	0	.000	0
666- 661	P10	.234	.042	.063	.181	5	18.37	-17.53	14.74	-101.80	292.65	.000	0	.000	0
668- 501	P10	.222	.032	.165	.094	5	27.44	-11.01	-29.84	266.67	151.69	.000	0	.000	0
668- 671	P10	.833	.484	.085	.339	5	18.37	-200.75	.16	128.19	512.81	.000	0	.000	0
611- 621	P12	.242	.117	.025	.123	5	.00	-51.20	15.46	-77.09	375.37	.000	0	.000	0
621- 625	P12	.281	.146	.074	.113	5	.00	-96.41	18.15	-227.53	345.55	.000	0	.000	0
625- 631	P12	.238	.198	.033	.024	5	22.50	-131.26	-23.15	-107.05	-77.59	.000	0	.000	0
631- 641	P12	.719	.502	.002	.217	5	.00	-219.44	.19	4.36	405.40	.000	0	.000	0
651- 661	P12	.396	.098	.053	.293	5	40.56	81.66	-9.23	-163.03	897.11	.000	0	.000	0
661- 665	P12	.263	.094	.032	.167	5	.00	78.10	-2.76	-97.08	-510.06	.000	0	.000	0
665- 671	P12	.346	.048	.027	.297	5	22.50	39.58	10.98	82.65	909.26	.000	0	.000	0
671- 681	P12	.571	.181	.003	.390	5	40.56	-79.14	-25.73	-9.55	1159.69	.000	0	.000	0
611- 651	P14	.307	.158	.035	.146	5	.00	-72.59	-21.18	-128.25	-541.74	.000	0	.000	0
621- 643	P14	.115	.028	.036	.079	5	23.06	26.08	9.25	133.67	-295.06	.000	0	.000	0
631- 646	P14	.229	.139	.004	.090	5	23.06	-103.64	13.80	-15.75	-336.41	.000	0	.000	0

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

Member JA-JB	Group ID	Maximum Unity CK	/--- Unity Check ---/			Load Case No.	Dist From End(Ft)	/----- Critical Member Loads -----/				Next Two Highest Cases					
			Component Values					Force Fx (Kips)	Torsion Mx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN		
			Axial	V-Axis	Z-Axis												
641- 681	P14	.232	.135	.051	.083	5	.00	-62.00	8.46	191.13	-309.00	.000	0	.000	0		
643- 661	P14	.279	.052	.074	.215	5	23.06	-38.58	-2.55	-277.16	801.26	.000	0	.000	0		
646- 671	P14	.435	.222	.016	.213	5	23.06	-166.06	-48.21	-62.32	851.12	.000	0	.000	0		
623- 624	P16	.077	.010	.005	.067	5	.00	-9.35	25.92	-23.01	330.90	.000	0	.000	0		
626- 628	P16	.129	.075	.001	.053	5	.00	-69.57	27.13	7.10	263.65	.000	0	.000	0		
663- 664	P16	.074	.006	.002	.068	5	19.29	6.68	-14.99	8.95	336.00	.000	0	.000	0		
666- 668	P16	.075	.026	.004	.049	5	19.29	27.17	-14.04	-21.29	243.86	.000	0	.000	0		
621- 651	P18	.497	.132	.102	.350	5	.00	-57.87	-19.79	-485.54	-1662.97	.000	0	.000	0		
641- 671	P18	.351	.061	.047	.287	5	.00	54.57	.52	225.66	-1361.32	.000	0	.000	0		
623- 626	P21	.085	.011	.010	.074	5	4.13	-21.99	-40.27	-117.37	899.01	.000	0	.000	0		
624- 628	P21	.021	.007	.008	.012	5	4.13	14.15	3.79	-98.47	148.81	.000	0	.000	0		
626- 666	P21	.046	.021	.005	.025	5	.00	-40.45	-35.45	-56.81	299.39	.000	0	.000	0		
628- 668	P21	.027	.004	.013	.019	5	19.88	-7.95	-22.46	-158.79	226.97	.000	0	.000	0		
666- 663	P21	.040	.007	.009	.031	5	.00	-15.03	23.02	-109.70	379.48	.000	0	.000	0		
668- 664	P21	.086	.010	.011	.075	5	.00	21.96	-27.68	-134.74	908.91	.000	0	.000	0		
112- 212	PL2	1.235	.225	.994	.181	5	.00	2146.33	.00	114812.00	20927.24	.000	0	.000	0		
122- 222	PL2	1.089	.026	.632	.854	5	.00	248.56	.00	73012.20	98638.20	.000	0	.000	0		
132- 232	PL2	1.153	.072	.678	.842	5	.00	683.73	.00	78313.23	97189.84	.000	0	.000	0		
142- 242	PL2	1.266	.144	.090	1.118	5	.00	-1375.74	.00	-10341.92	129116.40	.000	0	.000	0		
152- 252	PL2	1.055	.064	.143	.981	5	.00	-514.88	.01	16473.01	-113288.70	.000	0	.000	0		
162- 262	PL2	1.314	.268	.669	.805	5	.00	-2557.19	.01	-77183.99	-92955.14	.000	0	.000	0		
172- 272	PL2	1.298	.241	.679	.810	5	.00	-2300.32	.01	-78337.37	-93561.70	.000	0	.000	0		
182- 282	PL2	1.092	.520	.571	.025	5	.00	-4211.99	-362.60	-64942.13	-2820.70	.000	0	.000	0		
212- 312	PL3	.605	.392	.211	.025	5	4.80	2182.45	.00	-14709.39	-1731.38	.000	0	.000	0		
222- 322	PL3	.265	.051	.124	.174	5	4.80	284.46	.00	-8649.03	-12082.18	.000	0	.000	0		

*** 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				
			Component Values					Force Fx (Kips)	Torsion Tz	Moment My (In-Kips)	Moment Mz	Combined LD Unity CK	Combined LD CH			
			Axial	Y-Axis	Z-Axis											
232-	332	PL3	.358	.129	.153	.170	5	4.80	719.62	.00	-10623.96	-11836.84	.000	0	.000	0
242-	342	PL3	.492	.274	.014	.217	5	4.80	-1339.83	.00	1047.24	-16647.56	.000	0	.000	0
252-	352	PL3	.309	.098	.041	.207	5	4.80	-478.92	.01	-2834.18	14423.76	.000	0	.000	0
262-	362	PL3	.724	.516	.138	.157	5	4.80	-2521.15	.01	9953.98	11291.33	.000	0	.000	0
272-	372	PL3	.663	.463	.120	.160	5	4.80	-2264.29	.01	8787.25	11666.50	.000	0	.000	0
282-	382	PL3	.974	.855	.119	.008	5	4.80	-4176.17	-362.60	7774.64	-527.81	.000	0	.000	0
312-	412	PL4	.489	.399	.091	.002	5	46.96	2217.96	.00	6298.37	108.21	.000	0	.000	0
322-	422	PL4	.150	.058	.054	.076	5	46.73	319.97	.00	3729.85	5254.19	.000	0	.000	0
332-	432	PL4	.239	.136	.066	.079	5	46.73	755.13	.00	4624.80	5501.67	.000	0	.000	0
342-	442	PL4	.355	.263	.001	.093	5	46.96	-1304.32	.00	-70.02	7189.04	.000	0	.000	0
352-	452	PL4	.183	.089	.002	.094	5	46.96	-443.41	.01	119.80	-6514.03	.000	0	.000	0
362-	462	PL4	.598	.500	.069	.069	5	46.73	-2485.65	.01	-5079.03	-5115.90	.000	0	.000	0
372-	472	PL4	.539	.448	.058	.069	5	46.73	-2228.78	.01	-4361.95	-5187.72	.000	0	.000	0
382-	482	PL4	.911	.834	.077	.008	5	46.96	-4140.66	-362.60	-5285.89	576.91	.000	0	.000	0
412-	512	PL5	.489	.399	.091	.002	5	.00	2217.94	.00	6298.37	108.21	.000	0	.000	0
422-	522	PL5	.150	.058	.054	.076	5	.00	319.97	-.12	3729.85	5254.19	.000	0	.000	0
432-	532	PL5	.239	.136	.066	.079	5	.00	755.13	-.13	4624.80	5501.67	.000	0	.000	0
442-	542	PL5	.350	.258	.001	.092	5	.00	-1304.32	-.24	-70.01	7189.04	.000	0	.000	0
452-	552	PL5	.181	.088	.002	.094	5	.00	-443.41	.23	119.80	-6514.03	.000	0	.000	0
462-	562	PL5	.587	.492	.067	.068	5	.00	-2485.66	.13	-5079.03	-5115.90	.000	0	.000	0
472-	572	PL5	.530	.441	.057	.068	5	.00	-2228.79	.13	-4361.95	-5187.72	.000	0	.000	0
482-	582	PL5	.895	.820	.074	.008	5	.00	-4140.64	-362.62	-5285.89	576.90	.000	0	.000	0
512-	612	PL6	.434	.401	.033	.001	5	.00	2233.75	-.01	2268.98	-72.89	.000	0	.000	0
522-	622	PL6	.103	.060	.032	.027	5	.00	335.78	.00	2235.75	1908.71	.000	0	.000	0
532-	632	PL6	.178	.139	.035	.018	5	.00	770.94	-.05	2468.44	1234.07	.000	0	.000	0

*** 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)	Force Fx (Kips)	/----- Critical Member Loads -----/			Next Two Highest Cases			
			Component Values						Torsion Tx	Moment My	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
			Axial	Y-Axis	Z-Axis	No.				(In-Kips)					
542- 642	PL6	.288	.251	.007	.037	5	.00	-1288.51	.02	-529.69	2917.93	.000	0	.000	0
552- 652	PL6	.122	.083	.001	.038	5	.00	-427.60	-.02	-83.55	-2662.20	.000	0	.000	0
562- 662	PL6	.518	.481	.034	.016	5	.00	-2469.85	.05	-2612.39	-1226.93	.000	0	.000	0
572- 672	PL6	.470	.431	.034	.020	5	.00	-2212.98	.03	-2651.54	-1533.92	.000	0	.000	0
582- 682	PL6	.831	.803	.027	.008	5	.00	-4124.83	-362.56	-1996.61	594.15	.000	0	.000	0
612- 712	PL7	.433	.404	.029	.003	5	.00	2248.02	.07	-2037.04	-229.52	.000	0	.000	0
622- 722	PL7	.079	.063	.014	.006	5	2.63	351.12	.23	961.90	-572.67	.000	0	.000	0
632- 732	PL7	.176	.141	.000	.035	5	.00	785.14	.52	-15.16	-2456.08	.000	0	.000	0
642- 742	PL7	.258	.229	.027	.011	5	.00	-1274.23	.28	-1889.08	-775.28	.000	0	.000	0
652- 752	PL7	.094	.075	.017	.010	5	.00	-413.36	-.23	-1187.09	668.41	.000	0	.000	0
662- 762	PL7	.476	.441	.017	.031	5	.00	-2455.65	-.45	-1190.11	2195.83	.000	0	.000	0
672- 772	PL7	.431	.395	.027	.023	5	.00	-2198.79	-.35	-1875.91	1625.49	.000	0	.000	0
682- 782	PL7	.755	.742	.013	.006	5	2.64	-4109.43	-362.76	1041.34	457.95	.000	0	.000	0
712- 811	PL8	.142	.075	.066	.012	5	3.03	-417.15	244.40	4584.94	833.30	.000	0	.000	0
722- 821	PL8	.218	.187	.030	.005	5	.00	-1041.70	1235.00	-2116.95	316.66	.000	0	.000	0
732- 831	PL8	.171	.117	.043	.032	5	3.02	-649.87	900.12	2984.57	2195.66	.000	0	.000	0
742- 841	PL8	.366	.224	.020	.141	5	.00	-1247.61	4007.28	-1392.94	-9792.25	.000	0	.000	0
752- 851	PL8	.198	.082	.000	.116	5	.00	-456.49	-6022.40	-20.35	8038.75	.000	0	.000	0
762- 861	PL8	.205	.182	.023	.005	5	3.02	-1014.02	-4392.97	1566.49	-364.84	.000	0	.000	0
772- 871	PL8	.164	.123	.041	.002	5	3.02	-678.92	-4858.12	2881.09	129.59	.000	0	.000	0
782- 881	PL8	.285	.217	.067	.003	5	3.03	-1209.49	-5095.77	4669.04	182.32	.000	0	.000	0
123- 199	SIM	.419	.279	.140	.014	5	.00	-270.13	-53.55	610.14	60.48	.000	0	.000	0
124- 199	SIM	.121	.056	.029	.058	5	16.79	63.49	-160.72	116.85	-232.97	.000	0	.000	0
199- 163	SIM	.151	.086	.028	.058	5	.00	-83.67	158.54	-114.25	-234.83	.000	0	.000	0
199- 164	SIM	.443	.268	.175	.012	5	16.79	301.22	51.90	-703.91	50.11	.000	0	.000	0

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

Member	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 CK	LD CN	Combined Unity CK	LD CN
223-	299	SIM	.221	.189	.023	.022	5	.00	212.51	13.68	91.82	-87.80	.000	0	.000	0
224-	299	SIM	.100	.049	.012	.049	5	.00	-47.28	-8.12	49.04	-198.51	.000	0	.000	0
299-	263	SIM	.095	.036	.035	.048	5	16.79	40.73	19.31	-140.57	-192.68	.000	0	.000	0
299-	264	SIM	.250	.217	.025	.021	5	16.79	-210.01	-19.54	-110.72	-94.38	.000	0	.000	0
423-	499	SIM	.210	.195	.004	.015	5	16.79	219.02	7.03	14.60	60.59	.000	0	.000	0
424-	499	SIM	.088	.039	.011	.047	5	.00	-37.96	-4.78	44.87	-190.25	.000	0	.000	0
463-	499	SIM	.092	.040	.023	.047	5	.00	44.79	15.07	-94.45	188.46	.000	0	.000	0
499-	464	SIM	.251	.245	.010	.012	5	16.79	-237.46	-13.38	-44.70	-54.97	.000	0	.000	0
626-	699	SIM	.195	.153	.008	.041	5	.00	172.23	-7.80	-30.33	164.68	.000	0	.000	0
628-	699	SIM	.059	.020	.021	.032	5	.00	-20.56	7.30	-84.22	-128.34	.000	0	.000	0
699-	666	SIM	.036	.013	.006	.023	5	13.85	-12.61	3.51	-24.50	-92.42	.000	0	.000	0
699-	668	SIM	.244	.210	.019	.027	5	13.85	-210.70	-7.32	-88.15	124.68	.000	0	.000	0
811-	1	TL1	.177	.089	.054	.070	5	2.25	-419.54	359.41	-2709.61	-3513.71	.000	0	.000	0
821-	2	TL1	.259	.220	.038	.011	5	4.50	-1044.12	1281.90	-1897.91	-569.31	.000	0	.000	0
831-	3	TL1	.208	.138	.057	.040	5	2.25	-651.88	1115.51	-2882.10	-2033.05	.000	0	.000	0
841-	4	TL1	.411	.264	.032	.143	5	2.25	-1255.39	2918.04	1640.08	7224.20	.000	0	.000	0
1-	9	TL2	.174	.091	.053	.063	5	.00	-418.70	359.41	-2698.26	-3188.48	.000	0	.000	0
2-	10	TL2	.260	.227	.032	.010	5	.00	-1044.12	1281.90	-1897.91	-569.31	.000	0	.000	0
3-	11	TL2	.207	.141	.054	.038	5	.00	-651.03	1115.51	-2733.31	-1925.33	.000	0	.000	0
4-	13	TL2	.379	.264	.017	.114	5	.00	-1254.55	2918.04	838.06	5755.68	.000	0	.000	0
9-	18	TL3	.101	.071	.014	.027	5	7.13	-410.01	359.41	-863.62	1645.38	.000	0	.000	0
18-	73	TL3	.087	.061	.010	.024	5	.00	-351.46	52.09	-641.15	1510.63	.000	0	.000	0
73-	81	TL2	.084	.074	.005	.008	5	.00	-347.75	52.09	-277.35	416.63	.000	0	.000	0
10-	19	TL3	.193	.176	.003	.017	5	7.13	-1035.43	1281.90	167.76	1045.00	.000	0	.000	0
19-	74	TL3	.091	.079	.007	.009	5	8.00	-461.03	531.75	431.15	568.30	.000	0	.000	0

*** 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
74-	83	TL2	.121	.098	.016	.017	5	6.00	-458.78	531.75	792.46	845.54	.000	0	.000	0
11-	20	TL3	.137	.110	.015	.022	5	7.13	-642.35	1115.51	931.29	1346.93	.000	0	.000	0
20-	75	TL3	.067	.059	.007	.005	5	8.00	-343.86	522.49	417.80	285.10	.000	0	.000	0
75-	84	TL2	.085	.073	.009	.008	5	6.00	-341.61	522.49	456.70	397.87	.000	0	.000	0
13-	21	TL3	.343	.211	.081	.104	5	7.13	-1245.86	2918.04	-4993.58	-6444.67	.000	0	.000	0
21-	76	TL3	.268	.177	.060	.067	5	.00	-1045.75	1416.90	-3729.69	-4169.31	.000	0	.000	0
76-	85	TL2	.262	.219	.035	.024	5	.00	-1042.04	1416.90	-1748.05	-1222.67	.000	0	.000	0
851-	5	TL1	.209	.097	.098	.054	5	2.25	-457.08	-5109.62	4962.52	2729.99	.000	0	.000	0
861-	6	TL1	.235	.214	.021	.003	5	2.25	-1016.18	-4407.42	1060.56	-154.91	.000	0	.000	0
871-	7	TL1	.188	.144	.043	.008	5	2.25	-678.70	-4820.71	2189.84	392.17	.000	0	.000	0
881-	8	TL1	.328	.256	.035	.063	5	2.25	-1214.47	-5019.20	1782.93	3187.85	.000	0	.000	0
5-	14	TL2	.184	.099	.075	.040	5	.00	-456.23	-5109.62	3789.80	2014.19	.000	0	.000	0
6-	15	TL2	.242	.219	.021	.007	5	14.38	-1009.96	-4407.42	-1244.66	-435.43	.000	0	.000	0
7-	16	TL2	.178	.146	.032	.000	5	14.38	-672.48	-4820.71	-1634.97	24.59	.000	0	.000	0
8-	17	TL2	.337	.254	.077	.030	5	14.38	-1208.25	-5019.20	-3909.54	-1514.67	.000	0	.000	0
14-	23	TL3	.171	.077	.084	.042	5	7.13	-447.55	-5109.62	-5197.26	-2606.70	.000	0	.000	0
23-	77	TL3	.125	.062	.057	.027	5	.00	-357.02	-2665.48	-3521.07	-1678.12	.000	0	.000	0
77-	86	TL2	.109	.075	.031	.014	5	.00	-353.31	-2665.48	-1562.27	-731.64	.000	0	.000	0
15-	24	TL3	.196	.171	.025	.002	5	7.13	-1006.65	-4407.42	-1548.04	128.92	.000	0	.000	0
24-	78	TL3	.103	.080	.023	.003	5	.00	-463.21	-2122.05	-1396.39	-201.40	.000	0	.000	0
78-	87	TL2	.113	.098	.014	.007	5	.00	-459.49	-2122.05	-683.53	339.92	.000	0	.000	0
16-	25	TL3	.162	.115	.047	.004	5	7.13	-669.17	-4820.71	-2906.29	234.94	.000	0	.000	0
25-	79	TL3	.081	.056	.024	.004	5	.00	-326.48	-2156.88	-1495.72	-278.07	.000	0	.000	0
79-	88	TL2	.087	.069	.019	.001	5	.00	-322.77	-2156.88	-944.39	34.18	.000	0	.000	0
17-	26	TL3	.320	.204	.101	.055	5	7.13	-1204.94	-5019.20	-6252.25	-3433.11	.000	0	.000	0

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

Member	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
26-	80	TL3	.268	.178	.085	.029	5	.00	-1050.48	-2858.89	-5284.85	-1808.64	.000	0	.000	0
80-	89	TL2	.265	.220	.044	.008	5	.00	-1046.76	-2858.89	-2209.99	-394.41	.000	0	.000	0
83-	140	TL2	.011	.006	.006	.001	5	.00	26.85	-103.99	-286.99	-30.34	.000	0	.000	0
87-	147	TL2	.035	.006	.017	.002	5	.00	29.03	-949.84	837.33	-121.50	.000	0	.000	0
84-	149	TL2	.009	.004	.004	.003	5	2.38	21.26	-116.78	-188.09	-136.44	.000	0	.000	0
88-	150	TL2	.026	.003	.003	.001	5	.00	16.23	-909.14	138.24	-50.92	.000	0	.000	0

*** Member Group Summary Report ***

Group I - Unity Checks Greater Than 1.33

Member	Group	Maximum Combined Unity	Load Case	Dist From End (Ft)	Axial Stress	Bending Stress Y	Bending Stress Z	Shear Force Fy	Shear Force Fz	KL _V /R _V	KL _Z /R _Z	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case	
JA	-JB	ID	CK	NO.	End (Ft)	/---- (KSI)	---/	/-- (Kips) --/								
146-	231	243	1.454	5	.0	-23.85	-5.34	3.88	-4.54	-5.24	99.6	99.6	.000	0	.000	0
155-	221	243	1.369	5	.0	-23.18	-5.69	3.17	-4.09	-5.25	99.6	99.6	.000	0	.000	0
181-	271	265	1.796	5	.0	-20.87	-5.74	-3.78	4.31	-6.67	111.8	111.8	.000	0	.000	0

*** Member Group Summary Report ***

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

Member	Group	Maximum	Load	Dist	Axial	Bending Stress		Shear Force		KLY/RY	KLZ/RZ	Second-Highest	Third-Highest			
JA-JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fx			Unity	Load			
		CK	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips)	-/			Check	Case			
561-	651	165	1.006	5	.0	-10.19	-8.95	-16.64	10.23	-6.97	115.0	115.0	.000	0	.000	0
421-	511	185	1.032	5	59.1	-13.46	-3.08	-10.58	-8.75	2.60	114.5	114.5	.000	0	.000	0
441-	531	185	1.055	5	62.1	-11.35	-6.01	-12.99	-11.12	6.43	120.3	120.3	.000	0	.000	0
361-	451	203	1.308	5	.0	-14.89	-7.03	-12.34	6.82	-5.57	113.3	113.3	.000	0	.000	0
231-	321	205	1.002	5	67.1	-15.20	-2.13	-5.33	-5.04	2.65	116.7	116.7	.000	0	.000	0
148-	241	243	1.022	5	.0	-18.03	-6.95	3.20	-3.59	-6.15	99.9	99.9	.000	0	.000	0
241-	331	243	1.071	5	76.1	-14.81	-5.57	-9.06	-7.49	6.19	109.3	109.3	.000	0	.000	0
381-	441	243	1.232	5	.0	-14.32	-9.93	8.82	-7.70	-9.90	113.7	113.7	.000	0	.000	0
161-	251	263	1.226	5	.0	-19.23	-4.74	-5.16	4.96	-6.71	105.9	105.9	.000	0	.000	0
171-	261	265	1.122	5	.0	-22.03	-6.21	-1.56	3.44	-7.56	95.1	95.1	.000	0	.000	0
511-	611	LG2	1.148	5	5.0	-37.82	6.86	-1.70	8.30	45.45	26.7	26.7	.000	0	.000	0
581-	681	LG2	1.053	5	5.0	40.05	-5.67	1.69	-5.82	-41.94	26.7	26.7	.000	0	.000	0
112-	212	PL2	1.235	5	.0	9.70	-53.70	9.79	-32.94	-186.74	50.6	50.6	.000	0	.000	0
122-	222	PL2	1.089	5	.0	1.12	-34.15	46.14	-162.36	-118.09	50.3	50.3	.000	0	.000	0
132-	232	PL2	1.153	5	.0	3.09	-36.63	45.46	-159.90	-128.89	50.3	50.3	.000	0	.000	0
142-	242	PL2	1.266	5	.0	-6.22	4.84	60.39	-212.76	18.87	50.6	50.6	.000	0	.000	0
152-	252	PL2	1.055	5	.0	-2.33	-7.71	-52.99	186.42	-25.86	50.6	50.6	.000	0	.000	0
162-	262	PL2	1.314	5	.0	-11.56	36.10	-43.48	152.87	129.51	50.3	50.3	.000	0	.000	0
172-	272	PL2	1.298	5	.0	-10.40	36.64	-43.76	154.34	129.35	50.3	50.3	.000	0	.000	0
182-	282	PL2	1.092	5	.0	-19.03	30.38	-1.32	3.24	108.53	50.6	50.6	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA	Group -JB	ID	Maximum Unity	Load Case	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y KSI)	Z /---/	Shear Force Fy /--- (Kips)	Fz /---	KL1/R1	KL2/R2	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
511-	621	165	.470	5	.0	6.16	11.80	13.13	-8.89	9.01	120.9	120.9	.000	0	.000	0
521-	631	165	.363	5	.0	-1.92	8.48	11.65	-8.35	6.69	122.3	122.3	.000	0	.000	0
531-	641	165	.455	5	.0	9.04	6.79	11.37	-7.77	5.05	115.0	115.0	.000	0	.000	0
571-	661	165	.413	5	.0	-.72	-11.65	-16.67	10.28	-8.92	122.3	122.3	.000	0	.000	0
321-	431	185	.443	5	.0	11.53	4.68	8.27	-5.06	3.79	122.7	122.7	.000	0	.000	0
461-	571	185	.362	5	59.7	4.73	3.33	13.22	9.54	-2.79	115.7	115.7	.000	0	.000	0
431-	521	185	.408	5	59.7	-3.80	-5.57	-11.01	-9.85	4.86	115.7	115.7	.000	0	.000	0
253-	201	205	.143	5	.0	-.12	6.72	-3.41	4.87	7.08	45.6	45.6	.000	0	.000	0
311-	421	205	.431	5	.0	10.58	6.48	7.69	-5.74	4.97	119.9	119.9	.000	0	.000	0
346-	304	205	.150	5	.0	-.45	-7.39	1.05	-3.64	-8.50	44.0	44.0	.000	0	.000	0
261-	371	205	.419	5	67.1	13.40	.90	5.79	4.78	-1.09	116.7	116.7	.000	0	.000	0
421-	561	205	.374	5	.0	9.85	3.36	-7.15	8.44	4.50	120.1	120.1	.000	0	.000	0
441-	581	205	.428	5	.0	15.28	1.15	-3.85	7.07	.85	120.3	120.3	.000	0	.000	0
511-	651	205	.438	5	.0	6.71	8.87	-12.45	12.83	10.41	103.6	103.6	.000	0	.000	0
531-	671	205	.474	5	.0	11.02	3.02	-11.46	12.23	4.15	103.4	103.4	.000	0	.000	0
201-	321	243	.088	5	40.8	-1.44	-1.27	2.01	3.95	3.01	58.7	58.7	.000	0	.000	0
231-	204	243	.124	5	.0	2.09	.15	-3.85	3.78	-.29	70.8	70.8	.000	0	.000	0
148-	281	243	.463	5	.0	17.71	.66	-2.61	3.37	-.04	99.9	99.9	.000	0	.000	0
251-	361	243	.476	5	76.1	12.72	.00	9.15	7.35	-.16	109.3	109.3	.000	0	.000	0
304-	431	243	.131	5	35.9	-1.98	-3.12	2.21	5.09	5.17	51.5	51.5	.000	0	.000	0
311-	451	243	.491	5	.0	12.07	3.50	-10.09	7.94	3.01	113.7	113.7	.000	0	.000	0
321-	301	243	.108	5	.0	.80	1.12	-4.39	5.23	1.04	62.3	62.3	.000	0	.000	0
201-	343	245	.038	5	25.9	.43	.04	-1.48	-3.09	-2.20	37.4	37.4	.000	0	.000	0
202-	201	245	.080	5	35.5	.72	1.07	3.19	.59	-.66	51.2	51.2	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Unity	Load Case	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y Z) ---/	Shear Force Fy Fx /--- (Kips) --/	KLY/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
203-	204	.113	5	.0	-1.72	-1.65 -2.97	4.67 -1.71	58.6	58.6	.000	0	.000	0
301-	343	.076	5	23.4	.29	2.64 2.57	3.90 -5.70	33.7	33.7	.000	0	.000	0
301-	421	.458	5	.0	-13.79	-.72 -3.54	-1.46 -2.57	57.1	57.1	.000	0	.000	0
302-	301	.101	5	35.5	-.93	.87 3.91	.28 -.82	51.2	51.2	.000	0	.000	0
303-	304	.127	5	.0	1.57	-3.05 -3.71	6.66 -3.59	44.5	44.5	.000	0	.000	0
331-	304	.480	5	.0	15.23	.14 -6.77	7.89 1.13	57.1	57.1	.000	0	.000	0
271-	204	.485	5	45.0	-11.92	-5.30 -5.38	-1.67 7.47	59.8	59.8	.000	0	.000	0
204-	331	.405	5	.0	-11.22	-3.48 -2.76	-.43 -5.41	59.8	59.8	.000	0	.000	0
221-	201	.300	5	.0	11.02	-.98 -2.16	4.46 -.45	59.8	59.8	.000	0	.000	0
201-	361	.369	5	.0	10.84	-2.85 5.47	-1.25 -2.31	59.8	59.8	.000	0	.000	0
241-	381	.332	5	90.1	12.10	-.49 -2.69	-5.60 1.89	119.9	119.9	.000	0	.000	0
700-	900	.108	5	.0	-.08	-4.06 4.06	-76.61 -76.61	11.8	11.8	.000	0	.000	0
123-	155	.361	5	.0	5.89	-11.83 -2.58	.88 -2.07	78.8	78.8	.000	0	.000	0
124-	146	.277	5	18.9	7.50	5.55 -.68	-.08 -.48	78.8	78.8	.000	0	.000	0
144-	146	.290	5	.0	.90	14.27 2.88	-1.10 2.90	53.9	53.9	.000	0	.000	0
146-	164	.475	5	18.9	-6.96	13.32 -2.82	-.93 -2.61	78.8	78.8	.000	0	.000	0
155-	143	.274	5	12.9	-.90	-13.26 2.37	.91 2.46	53.9	53.9	.000	0	.000	0
155-	163	.295	5	.0	-6.36	-4.91 -.27	.00 -.12	78.8	78.8	.000	0	.000	0
123-	101	.316	5	.0	-2.28	-8.60 5.12	-1.27 -1.91	130.9	130.9	.000	0	.000	0
124-	102	.220	5	.0	-.24	-2.33 10.87	-3.06 -.61	130.9	130.9	.000	0	.000	0
163-	103	.214	5	.0	.27	2.71 -10.86	3.05 .86	130.9	130.9	.000	0	.000	0
164-	104	.271	5	.0	2.63	10.11 -5.17	1.29 2.34	130.9	130.9	.000	0	.000	0
123-	124	.289	5	.0	4.23	-10.30 -.26	.04 -6.27	53.8	53.8	.000	0	.000	0
163-	164	.326	5	19.2	-4.07	11.46 -.68	-.30 -7.54	53.8	53.8	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA-JB	Group ID	Maximum Combined Unity	Load Case CK	Dist From No. End(Ft)	Axial Stress /---- (KSI)	Bending Stress Y Z	Shear Force Fy Fx /-- (Kips) --/	KLY/RY	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
121- 123	J16	.402	5	35.0	-4.73	-14.22 -2.73	-1.41 5.27	76.6	76.6	.000	0	.000	0
123- 125	J16	.296	5	.0	4.36	-10.22 2.46	-1.86 -3.70	74.2	74.2	.000	0	.000	0
124- 131	J16	.186	5	.0	4.69	-3.89 1.51	-1.65 -1.28	76.6	76.6	.000	0	.000	0
125- 124	J16	.258	5	33.9	-4.27	-6.65 -1.06	-.73 1.60	74.2	74.2	.000	0	.000	0
161- 163	J16	.248	5	35.0	-5.70	3.30 1.76	1.78 -.78	76.6	76.6	.000	0	.000	0
163- 165	J16	.244	5	.0	5.46	6.19 -1.30	.84 1.09	74.2	74.2	.000	0	.000	0
164- 171	J16	.441	5	.0	6.99	14.75 -3.21	1.69 5.00	76.6	76.6	.000	0	.000	0
165- 164	J16	.372	5	33.9	-5.57	10.97 2.62	1.92 -3.68	74.2	74.2	.000	0	.000	0
111- 115	J20	.104	5	33.4	-3.20	-.21 -.66	-.01 -.34	59.0	59.0	.000	0	.000	0
115- 121	J20	.109	5	30.4	-3.20	.99 .50	1.48 -1.14	53.7	53.7	.000	0	.000	0
121- 125	J20	.246	5	.0	-8.20	-.86 1.78	-2.64 .90	39.8	39.8	.000	0	.000	0
123- 143	J20	.218	5	.0	2.72	-7.92 -2.71	6.21 -10.40	24.4	24.4	.000	0	.000	0
124- 144	J20	.189	5	.0	-2.46	-6.28 -2.90	6.82 -8.43	24.4	24.4	.000	0	.000	0
125- 131	J20	.273	5	22.5	-7.00	5.51 .73	2.16 -5.14	39.8	39.8	.000	0	.000	0
131- 135	J20	.289	5	.0	-7.97	-3.37 2.18	-3.09 -1.51	53.7	53.7	.000	0	.000	0
135- 141	J20	.316	5	33.4	-7.97	4.62 -2.17	.51 -3.20	59.0	59.0	.000	0	.000	0
143- 163	J20	.182	5	13.8	2.70	5.75 -2.93	-6.87 -8.67	24.4	24.4	.000	0	.000	0
144- 164	J20	.225	5	13.8	-2.48	8.41 -2.76	-6.20 -12.06	24.4	24.4	.000	0	.000	0
151- 159	J20	.262	5	.0	7.87	-3.84 -1.99	-.60 -1.63	59.0	59.0	.000	0	.000	0
159- 161	J20	.275	5	30.4	7.87	4.55 2.06	3.00 -3.32	53.7	53.7	.000	0	.000	0
161- 165	J20	.285	5	.0	7.90	-5.48 .61	-2.14 -4.27	39.8	39.8	.000	0	.000	0
165- 171	J20	.267	5	22.5	9.45	1.40 2.19	2.90 -.24	39.8	39.8	.000	0	.000	0
171- 175	J20	.181	5	.0	7.07	-.77 .53	-1.53 .16	53.7	53.7	.000	0	.000	0
175- 181	J20	.194	5	33.4	7.07	1.56 .50	1.39 -1.53	59.0	59.0	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Unity	Load Case	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y Z) ---/	Shear Force Fy Fx /--- (Kips) --/	KLY/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
111- 145	J24	.226	5	.0	6.45	-3.87 -1.55	2.11 -3.38	67.4	67.4	.000	0	.000	0
121- 155	J24	.258	5	.0	8.89	-2.13 1.82	-.85 -1.82	67.4	67.4	.000	0	.000	0
131- 146	J24	.162	5	.0	3.85	-3.87 .81	.05 -3.67	67.4	67.4	.000	0	.000	0
141- 148	J24	.268	5	.0	6.40	-4.95 4.21	-1.93 -4.28	67.4	67.4	.000	0	.000	0
145- 151	J24	.264	5	46.3	-5.72	3.25 4.32	1.93 -1.96	67.4	67.4	.000	0	.000	0
146- 171	J24	.340	5	46.3	-8.47	4.01 2.56	1.36 -2.10	67.4	67.4	.000	0	.000	0
148- 181	J24	.185	5	46.3	-4.06	3.33 -.70	-1.44 -1.94	67.4	67.4	.000	0	.000	0
155- 161	J24	.192	5	46.3	-3.50	4.58 1.07	.07 -3.16	67.4	67.4	.000	0	.000	0
121- 145	J25	.173	5	78.8	-1.92	-3.21 -3.28	-4.56 3.21	113.8	113.8	.000	0	.000	0
145- 161	J25	.131	5	.0	1.43	-5.19 .23	-.21 -4.57	113.8	113.8	.000	0	.000	0
148- 131	J25	.157	5	78.8	1.35	-6.66 .08	-.15 5.02	113.8	113.8	.000	0	.000	0
171- 148	J25	.113	5	.0	-.79	-2.64 3.12	-4.54 -3.71	113.8	113.8	.000	0	.000	0
223- 254	K08	.204	5	18.9	-5.46	.57 -1.57	-.78 -.07	77.2	77.2	.000	0	.000	0
224- 255	K08	.185	5	18.9	-3.00	4.82 -.40	-.05 -.70	77.2	77.2	.000	0	.000	0
244- 255	K08	.115	5	.0	-.67	-5.21 -.56	-.08 -1.00	52.8	52.8	.000	0	.000	0
254- 243	K08	.131	5	.0	.61	-6.29 .40	-.33 -1.19	52.8	52.8	.000	0	.000	0
254- 263	K08	.197	5	.0	2.98	-6.86 -.87	.10 -.85	77.2	77.2	.000	0	.000	0
255- 264	K08	.150	5	.0	4.79	-.68 -2.01	.81 .03	77.2	77.2	.000	0	.000	0
221- 225	K11	.162	5	.0	-2.02	1.28 5.41	-2.32 .88	62.3	62.3	.000	0	.000	0
225- 231	K11	.248	5	.0	-7.07	-1.93 1.51	-1.30 -.57	62.3	62.3	.000	0	.000	0
261- 265	K11	.158	5	22.5	4.82	2.22 1.19	1.07 -.70	62.3	62.3	.000	0	.000	0
265- 271	K11	.110	5	22.5	-.06	-2.12 5.47	2.33 .81	62.3	62.3	.000	0	.000	0
223- 224	K12	.076	5	.0	-1.91	-1.25 .06	-.42 -.26	53.8	53.8	.000	0	.000	0
263- 264	K12	.066	5	.0	1.77	1.28 .39	-.65 1.07	53.8	53.8	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA-JB	Group ID	Maximum Unity CK	Load Case NO.	Dist From End (Ft)	Axial Stress /---- ()	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
221- 223	K13	.322	5	29.8	9.45	-5.53 .78	-.15 1.02	81.6	81.6	.000	0	.000	0
223- 205	K13	.143	5	.0	-.58	-6.31 -.57	-.36 -1.81	110.8	110.8	.000	0	.000	0
223- 225	K13	.403	5	.0	-9.67	-4.62 -.99	-.67 -.76	78.1	78.1	.000	0	.000	0
224- 206	K13	.136	5	.0	-.41	-4.33 4.67	-2.28 -.98	110.8	110.8	.000	0	.000	0
224- 231	K13	.162	5	.0	-2.08	-5.04 -.27	-1.07 -1.02	81.6	81.6	.000	0	.000	0
225- 224	K13	.299	5	28.5	9.63	-3.63 1.97	.24 .56	78.1	78.1	.000	0	.000	0
261- 263	K13	.147	5	29.8	.76	6.99 -.29	1.03 -1.24	81.6	81.6	.000	0	.000	0
263- 207	K13	.158	5	.0	1.01	5.62 -4.56	2.24 1.00	110.8	110.8	.000	0	.000	0
263- 265	K13	.401	5	.0	-9.31	4.94 1.82	-.20 .72	78.1	78.1	.000	0	.000	0
264- 208	K13	.089	5	.0	.45	4.20 .71	.31 1.20	110.8	110.8	.000	0	.000	0
264- 271	K13	.406	5	.0	-9.29	4.96 .85	.15 .90	81.6	81.6	.000	0	.000	0
265- 264	K13	.279	5	.0	9.32	-.41 3.38	-1.76 -.65	78.1	78.1	.000	0	.000	0
211- 221	K18	.404	5	.0	-6.04	-3.13 5.63	-3.21 -.92	112.6	112.6	.000	0	.000	0
271- 281	K18	.189	5	58.1	2.81	1.35 6.56	3.48 .37	112.6	112.6	.000	0	.000	0
223- 243	K20	.131	5	.0	-3.19	-2.71 .91	-1.46 -2.76	24.4	24.4	.000	0	.000	0
224- 244	K20	.118	5	.0	3.15	-2.24 .93	-1.70 -2.92	24.4	24.4	.000	0	.000	0
243- 263	K20	.132	5	13.8	-3.19	2.78 .87	1.44 -4.85	24.4	24.4	.000	0	.000	0
244- 264	K20	.111	5	13.8	3.15	1.79 .98	1.72 -2.68	24.4	24.4	.000	0	.000	0
211- 251	K24	.246	5	.0	5.73	-4.04 -4.09	3.94 -3.61	116.6	116.6	.000	0	.000	0
221- 251	K24	.239	5	.0	.15	-6.44 -10.01	8.93 -4.66	143.4	143.4	.000	0	.000	0
221- 253	K24	.264	5	.0	-7.21	-3.79 .43	2.06 -3.52	47.6	47.6	.000	0	.000	0
231- 255	K24	.297	5	.0	9.23	-4.22 .06	1.87 -3.61	58.3	58.3	.000	0	.000	0
241- 271	K24	.283	5	99.8	-.70	-7.13 -9.48	-8.62 5.96	143.4	143.4	.000	0	.000	0
253- 254	K24	.285	5	.0	-7.43	-4.91 2.94	-5.77 -5.43	10.7	10.7	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA	Group -JB	Maximum Unity	Load Combined CK	Dist From Case NO.	Dist From End(Ft)	Axial Stress /----	Bending Stress Y Z	Shear Force Fy Fx	KLY/RY	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case	
						(KSI)	()	(Kips)							
254-	261 K24	.294	5	.0	-9.32	-1.31	-.56	2.05	-2.75	58.3	58.3	.000	0	.000	0
255-	271 K24	.218	5	40.6	7.48	-2.02	1.00	-1.58	3.29	58.3	58.3	.000	0	.000	0
331-	346 L20	.128	5	43.0	1.28	-.93	5.25	.49	.83	74.8	74.8	.000	0	.000	0
346-	371 L20	.214	5	27.9	.85	9.54	-4.37	-6.13	-7.04	48.5	48.5	.000	0	.000	0
311-	361 L24	.172	5	.0	3.43	-4.70	-.11	.57	-3.75	127.1	127.1	.000	0	.000	0
331-	381 L24	.385	5	.0	-4.32	-6.86	.46	.48	-4.82	127.1	127.1	.000	0	.000	0
321-	343 L25	.144	5	35.5	-.83	-1.04	6.31	2.74	1.65	51.2	51.2	.000	0	.000	0
343-	361 L25	.189	5	.0	-1.03	-3.64	7.73	-4.25	-4.44	51.2	51.2	.000	0	.000	0
111-	211 LG2	.451	5	5.0	-10.00	6.15	-6.24	10.57	21.40	42.7	42.7	.000	0	.000	0
141-	241 LG2	.142	5	52.6	.25	-1.12	6.31	3.11	1.22	42.7	42.7	.000	0	.000	0
151-	251 LG2	.111	5	52.6	.04	-1.23	-5.01	-1.11	.79	42.7	42.7	.000	0	.000	0
181-	281 LG2	.346	5	5.0	8.61	-4.55	5.17	-9.18	-16.32	42.7	42.7	.000	0	.000	0
281-	381 LG2	.435	5	5.0	14.14	.21	-5.05	11.65	-7.90	38.6	38.6	.000	0	.000	0
361-	461 LG2	.487	5	41.7	14.15	1.47	-7.37	-17.52	-.01	34.6	34.6	.000	0	.000	0
121-	101 LG3	.461	5	5.0	-10.04	3.21	-10.01	30.07	13.27	26.0	26.0	.000	0	.000	0
131-	102 LG3	.353	5	5.0	-5.62	2.96	-9.13	37.60	16.79	26.0	26.0	.000	0	.000	0
161-	103 LG3	.291	5	5.0	6.18	-.02	6.97	-31.32	-6.99	26.0	26.0	.000	0	.000	0
171-	104 LG3	.421	5	5.0	10.20	.78	8.69	-27.13	-1.90	26.0	26.0	.000	0	.000	0
241-	341 LG3	.193	5	5.0	.55	1.74	-8.30	25.96	4.08	38.6	38.6	.000	0	.000	0
251-	351 LG3	.178	5	5.0	-.88	1.54	7.04	-24.11	2.82	38.6	38.6	.000	0	.000	0
261-	207 LG3	.139	5	5.0	-.69	-4.51	3.08	-10.23	-18.30	22.3	22.3	.000	0	.000	0
271-	208 LG3	.267	5	5.0	9.18	-1.71	1.88	-7.92	-6.53	22.3	22.3	.000	0	.000	0
421-	507 LG3	.442	5	22.1	-14.83	-3.09	.79	-8.06	9.71	16.2	16.2	.000	0	.000	0
431-	506 LG3	.294	5	5.0	-7.74	1.20	5.04	-2.66	25.95	16.2	16.2	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Unity	Load Case CK	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y Z) ---/	Shear Force Fy Fx /--- (Kips) -/	KL _V /R _V	KL _Z /R _Z	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
441-	541	.181	5	5.0	.07	.71 -8.41	39.56 .27	31.1	31.1	.000	0	.000	0
451-	551	.178	5	5.0	-.71	.30 7.48	-38.86 1.32	31.1	31.1	.000	0	.000	0
461-	508	.297	5	22.1	9.70	2.56 -2.27	6.79 2.05	16.2	16.2	.000	0	.000	0
471-	505	.481	5	5.0	17.84	-2.84 -1.50	3.04 -16.74	16.2	16.2	.000	0	.000	0
521-	503	.487	5	5.0	-15.60	-.49 -4.79	42.47 -5.75	12.2	12.2	.000	0	.000	0
101-	221	.459	5	17.1	-9.32	-6.14 9.66	27.44 26.68	16.2	16.2	.000	0	.000	0
102-	231	.390	5	17.1	-4.99	-2.80 11.96	20.47 2.51	16.2	16.2	.000	0	.000	0
103-	261	.395	5	17.1	6.38	2.75 -11.32	-19.52 -1.36	16.2	16.2	.000	0	.000	0
207-	361	.149	5	16.6	-.63	5.88 2.04	8.19 -16.31	15.8	15.8	.000	0	.000	0
208-	371	.224	5	.0	9.32	-.36 .13	-2.91 -4.83	15.8	15.8	.000	0	.000	0
303-	431	.449	5	18.4	-10.71	1.76 9.23	21.89 -33.68	17.1	17.1	.000	0	.000	0
341-	441	.096	5	.0	.69	-.65 3.71	7.39 2.73	34.8	34.8	.000	0	.000	0
351-	451	.099	5	.0	-.75	.19 -3.69	-5.56 .99	34.8	34.8	.000	0	.000	0
506-	531	.284	5	14.6	-7.30	-2.59 -4.61	-40.04 -7.34	14.3	14.3	.000	0	.000	0
507-	521	.466	5	14.6	-14.69	-1.06 -4.73	-30.20 -12.36	14.3	14.3	.000	0	.000	0
508-	561	.297	5	.0	9.77	2.55 -2.16	12.77 -.64	14.3	14.3	.000	0	.000	0
541-	641	.106	5	.0	.18	.73 4.75	6.02 -.25	26.8	26.8	.000	0	.000	0
551-	651	.122	5	.0	-.60	.13 -4.98	-4.00 -.77	26.8	26.8	.000	0	.000	0
202-	205	.153	5	.0	-4.31	-2.61 1.02	-5.37 -10.30	3.2	3.2	.000	0	.000	0
205-	321	.149	5	.0	-4.35	-2.26 .81	-4.46 -5.93	16.3	16.3	.000	0	.000	0
203-	206	.087	5	.0	1.16	3.20 -.06	-4.16 45.58	3.2	3.2	.000	0	.000	0
206-	331	.140	5	21.6	1.20	-5.47 -2.37	-15.85 39.56	16.3	16.3	.000	0	.000	0
221-	202	.172	5	25.9	-4.43	-3.29 .97	5.58 22.52	19.5	19.5	.000	0	.000	0
231-	203	.061	5	.0	.67	.81 -2.29	13.94 -2.23	19.5	19.5	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Unity	Load Case	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y Z) ---/	Shear Force Fy Fx) ---/	KL _V /R _V	KL _Z /R _Z	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
611-	712 LG7	.477	5	2.6	-18.87	-2.00 .78	-12.89 9.25	2.0	2.0	.000	0	.000	0
621-	722 LG7	.301	5	.0	-9.86	3.81 .67	-3.90 91.52	2.0	2.0	.000	0	.000	0
631-	732 LG7	.293	5	.0	-10.18	.89 2.95	-30.57 44.84	2.0	2.0	.000	0	.000	0
641-	742 LG7	.149	5	.0	.17	2.92 -7.17	83.90 99.34	2.0	2.0	.000	0	.000	0
651-	752 LG7	.119	5	.0	-.32	.33 5.92	-70.50 25.85	2.0	2.0	.000	0	.000	0
661-	762 LG7	.273	5	.0	10.17	1.71 -1.09	10.25 48.08	2.0	2.0	.000	0	.000	0
671-	772 LG7	.275	5	2.6	10.73	-1.38 -.37	5.78 3.28	2.0	2.0	.000	0	.000	0
424-	446 M08	.229	5	.0	-5.24	-3.53 .16	-.04 -.44	77.2	77.2	.000	0	.000	0
443-	423 M08	.281	5	.0	-6.53	.68 3.98	-1.68 .05	77.2	77.2	.000	0	.000	0
443-	463 M08	.156	5	18.9	4.50	2.78 .00	.00 -.42	77.2	77.2	.000	0	.000	0
446-	464 M08	.238	5	18.9	7.26	-2.40 -2.90	-1.50 .39	77.2	77.2	.000	0	.000	0
423-	507 M09	.082	5	.0	-.26	-3.66 -1.33	-.09 -1.75	96.5	96.5	.000	0	.000	0
424-	506 M09	.179	5	.0	-.36	-3.52 8.23	-3.76 -.63	96.5	96.5	.000	0	.000	0
463-	508 M09	.191	5	.0	.63	3.74 -8.75	3.87 .48	96.5	96.5	.000	0	.000	0
464-	505 M09	.085	5	29.5	.36	2.94 2.92	.12 -1.25	96.5	96.5	.000	0	.000	0
421-	423 M10	.412	5	.0	12.56	1.28 6.45	-1.12 .49	69.8	69.8	.000	0	.000	0
423-	425 M10	.228	5	19.5	-4.55	.16 5.09	2.40 -.51	63.8	63.8	.000	0	.000	0
424-	431 M10	.248	5	.0	-3.80	-5.90 4.10	-2.65 -1.24	69.8	69.8	.000	0	.000	0
425-	424 M10	.161	5	19.5	4.33	-3.05 1.17	.32 .49	63.8	63.8	.000	0	.000	0
461-	463 M10	.217	5	21.4	3.33	5.98 4.65	2.84 -.97	69.8	69.8	.000	0	.000	0
463-	465 M10	.207	5	19.5	-4.89	-1.35 -3.15	-.76 .59	63.8	63.8	.000	0	.000	0
465-	464 M10	.221	5	.0	5.08	-.03 5.61	-2.45 -.58	63.8	63.8	.000	0	.000	0
421-	425 M11	.282	5	.0	-4.04	2.41 8.57	-3.54 1.11	62.3	62.3	.000	0	.000	0
425-	431 M11	.274	5	22.5	-6.87	2.35 -3.61	.17 -1.01	62.3	62.3	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA	Group -JB	Maximum Combined Unity	Load Case CK	Dist From End (Ft)	Axial Stress /----	Bending Stress Y (KSI)	Bending Stress Z ()	Shear Force Fy /-- (Kips) /-	Shear Force Fx /-- (Kips) /-	KLY/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case	
461-	465	M11	.236	5	.0	6.18	-1.84	-4.65	.06	-.81	62.3	62.3	.000	0	.000	0
465-	471	M11	.265	5	22.5	3.01	-2.56	10.21	4.00	1.03	62.3	62.3	.000	0	.000	0
423-	424	M12	.074	5	.0	-2.07	-.28	.85	-1.33	.26	53.8	53.8	.000	0	.000	0
463-	464	M12	.060	5	19.2	1.79	-.34	.92	1.38	-.05	53.8	53.8	.000	0	.000	0
411-	421	M14	.211	5	.0	1.70	-.09	9.28	-3.61	.66	120.3	120.3	.000	0	.000	0
471-	481	M14	.305	5	48.3	-1.52	-2.04	12.31	4.07	1.64	120.3	120.3	.000	0	.000	0
411-	451	M18	.127	5	.0	.23	-.44	-6.53	5.76	.98	119.4	119.4	.000	0	.000	0
421-	443	M18	.136	5	.0	1.42	-2.21	5.10	-.43	-.56	59.7	59.7	.000	0	.000	0
431-	446	M18	.091	5	.0	.18	-2.08	4.23	-.24	-.97	59.7	59.7	.000	0	.000	0
441-	481	M18	.073	5	61.6	-.13	-.78	-3.54	-4.98	2.36	119.4	119.4	.000	0	.000	0
443-	461	M18	.135	5	30.8	-1.08	1.81	5.34	.63	-.12	59.7	59.7	.000	0	.000	0
446-	471	M18	.192	5	30.8	-2.65	-.09	6.26	.80	.96	59.7	59.7	.000	0	.000	0
421-	451	M20	.375	5	.0	1.54	-1.58	-17.63	13.21	-.56	135.4	135.4	.000	0	.000	0
441-	471	M20	.453	5	78.3	-2.09	-6.79	-15.51	-12.38	5.04	135.4	135.4	.000	0	.000	0
463-	423	M21	.069	5	.0	-1.48	1.52	.30	-2.34	2.30	48.7	48.7	.000	0	.000	0
464-	424	M21	.059	5	27.6	1.28	-1.56	.22	2.21	1.27	48.7	48.7	.000	0	.000	0
521-	561	N16	.310	5	.0	-2.62	-1.34	-10.11	6.68	-.10	115.8	115.8	.000	0	.000	0
531-	571	N16	.245	5	.0	2.46	-3.95	-9.35	6.63	-1.91	115.8	115.8	.000	0	.000	0
511-	561	M20	.186	5	69.2	5.44	-.36	3.11	.21	.69	119.7	119.7	.000	0	.000	0
531-	581	M20	.436	5	69.2	-6.20	-3.47	4.74	.21	3.79	119.7	119.7	.000	0	.000	0
626-	643	P08	.304	5	16.2	-6.95	.37	-5.55	-1.95	-.26	66.4	66.4	.000	0	.000	0
628-	646	P08	.237	5	.0	-5.18	4.77	.89	-.28	.85	66.4	66.4	.000	0	.000	0
643-	666	P08	.157	5	.0	5.30	.63	1.75	-.24	.35	66.4	66.4	.000	0	.000	0
646-	668	P08	.249	5	16.2	6.79	4.41	-2.26	-1.51	-.58	66.4	66.4	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Load		Dist From End(Ft)	Axial Stress			Bending Stress		Shear Force		KL _V /R _Y	KL _Z /R _Z	Second-Highest		Third-Highest	
		Unity	Case		Stress	Y	Z	F _y	F _x	Unity	Load			Unity	Load		
621-	626	P10	.350	5	.0	9.40	3.80	6.03	-1.43	1.46	60.0	60.0	.000	0	.000	0	
623-	625	P10	.104	5	13.2	-2.11	.66	2.49	1.54	-.35	43.1	43.1	.000	0	.000	0	
625-	624	P10	.096	5	.0	1.74	-2.48	-1.72	.37	-.35	43.1	43.1	.000	0	.000	0	
626-	503	P10	.148	5	27.4	-.91	6.09	-1.57	-.01	-3.52	89.6	89.6	.000	0	.000	0	
628-	502	P10	.199	5	27.4	-1.03	-1.15	8.72	5.71	.14	89.6	89.6	.000	0	.000	0	
631-	628	P10	.253	5	18.4	-5.87	3.48	-3.56	-2.58	-1.10	60.0	60.0	.000	0	.000	0	
663-	665	P10	.155	5	13.2	-1.91	1.17	-5.54	-1.34	-.25	43.1	43.1	.000	0	.000	0	
665-	664	P10	.186	5	.0	2.19	-2.91	6.71	-2.73	-1.04	43.1	43.1	.000	0	.000	0	
666-	504	P10	.164	5	.0	-.42	-.64	-8.06	4.23	-.24	89.6	89.6	.000	0	.000	0	
666-	661	P10	.234	5	18.4	-1.47	3.40	9.79	.35	-1.00	60.0	60.0	.000	0	.000	0	
668-	501	P10	.222	5	27.4	-.92	-8.92	5.07	.41	4.64	89.6	89.6	.000	0	.000	0	
611-	621	P12	.242	5	.0	-2.66	1.36	6.62	-3.38	2.05	112.3	112.3	.000	0	.000	0	
621-	625	P12	.281	5	.0	-5.01	4.01	6.09	-3.00	2.24	62.3	62.3	.000	0	.000	0	
625-	631	P12	.238	5	22.5	-6.82	1.89	-1.37	1.00	-1.19	62.3	62.3	.000	0	.000	0	
651-	661	P12	.396	5	40.6	4.24	2.87	15.82	5.72	-1.48	112.3	112.3	.000	0	.000	0	
661-	665	P12	.263	5	.0	4.06	1.71	-8.99	.83	1.03	62.3	62.3	.000	0	.000	0	
665-	671	P12	.346	5	22.5	2.06	-1.46	16.03	5.77	.34	62.3	62.3	.000	0	.000	0	
611-	651	P14	.307	5	.0	-3.42	1.86	-7.84	4.85	2.72	115.9	115.9	.000	0	.000	0	
621-	643	P14	.115	5	23.1	1.23	-1.93	-4.27	-3.74	-.02	57.9	57.9	.000	0	.000	0	
631-	646	P14	.229	5	23.1	-4.89	.23	-4.87	-3.68	-.87	57.9	57.9	.000	0	.000	0	
641-	681	P14	.232	5	.0	-2.92	-2.77	-4.47	4.47	-.67	115.9	115.9	.000	0	.000	0	
643-	661	P14	.279	5	23.1	-1.82	4.01	11.59	2.63	-2.29	57.9	57.9	.000	0	.000	0	
646-	671	P14	.435	5	23.1	-7.83	.90	12.32	2.56	-.40	57.9	57.9	.000	0	.000	0	
623-	624	P16	.077	5	.0	-.38	.25	3.62	-3.72	1.09	42.2	42.2	.000	0	.000	0	

*** 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 /---- (	Bending Stress Y Z) ---/	Shear Force Fy Fx /--- (Kips) --/	KLX/RY	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case	
JA	-JB	ID	CK	NO.	End(Ft)	/---- (	Y Z) ---/	Fy Fx /--- (Kips) --/	KLX/RY	KLZ/RZ	Unity Check	Load Case	Unity Check	Load Case
626-	628	P16	.129	5	.0	-2.86	-.08 2.88	-3.29 .77	42.2	42.2	.000	0	.000	0
663-	664	P16	.074	5	19.3	.27	-.10 3.67	3.98 -.47	42.2	42.2	.000	0	.000	0
666-	668	P16	.075	5	19.3	1.12	.23 2.67	3.28 -.73	42.2	42.2	.000	0	.000	0
621-	651	P18	.497	5	.0	-2.79	5.42 -18.55	13.32 4.06	118.3	118.3	.000	0	.000	0
641-	671	P18	.351	5	.0	2.63	-2.52 -15.19	12.35 -1.12	118.3	118.3	.000	0	.000	0
623-	626	P21	.085	5	4.1	-.45	.52 3.98	25.80 -2.23	7.3	7.3	.000	0	.000	0
624-	628	P21	.021	5	4.1	.29	.44 .66	5.09 -2.30	7.3	7.3	.000	0	.000	0
626-	666	P21	.046	5	.0	-.83	.25 1.33	.85 2.34	35.1	35.1	.000	0	.000	0
628-	668	P21	.027	5	19.9	-.16	.70 1.01	-1.03 -1.59	35.1	35.1	.000	0	.000	0
666-	663	P21	.040	5	.0	-.31	.49 1.68	-9.92 1.64	7.3	7.3	.000	0	.000	0
668-	664	P21	.086	5	.0	.45	.60 4.03	-24.68 1.91	7.3	7.3	.000	0	.000	0
Z22-	322	PL3	.265	5	4.8	2.21	6.71 -9.37	15.42 12.79	42.6	42.6	.000	0	.000	0
Z32-	332	PL3	.358	5	4.8	5.59	8.24 -9.18	15.42 15.34	42.6	42.6	.000	0	.000	0
242-	342	PL3	.492	5	4.8	-10.40	-.81 -12.91	21.09 1.52	42.8	42.8	.000	0	.000	0
Z52-	352	PL3	.309	5	4.8	-3.72	2.20 11.18	-18.53 5.13	42.8	42.8	.000	0	.000	0
312-	412	PL4	.489	5	47.0	17.22	-4.88 .08	1.63 16.08	38.9	38.9	.000	0	.000	0
322-	422	PL4	.150	5	46.7	2.48	-2.89 4.07	15.42 9.24	38.7	38.7	.000	0	.000	0
332-	432	PL4	.239	5	46.7	5.86	-3.59 4.27	15.42 11.79	38.7	38.7	.000	0	.000	0
342-	442	PL4	.355	5	47.0	-10.13	.05 5.57	21.09 -3.50	38.9	38.9	.000	0	.000	0
352-	452	PL4	.183	5	47.0	-3.44	-.09 -5.05	-18.53 .10	38.9	38.9	.000	0	.000	0
412-	512	PL5	.489	5	.0	17.22	-4.88 .08	-.36 -6.89	34.7	34.7	.000	0	.000	0
422-	522	PL5	.150	5	.0	2.48	-2.89 4.07	-6.68 -2.19	34.5	34.5	.000	0	.000	0
432-	532	PL5	.239	5	.0	5.86	-3.59 4.27	-8.53 -3.52	34.5	34.5	.000	0	.000	0
442-	542	PL5	.350	5	.0	-10.13	.05 5.57	-8.49 .20	34.7	34.7	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Load		Dist From End(Ft)	Axial Stress			Bending Stress		Shear Force		KLV/RV	KLZ/RZ	Second-Highest		Third-Highest	
		Unity	Case		Stress	Y	Z	Fy	Fz	Unity	Load			Unity	Load		
		CK	NO.		/(KSI)	()	/	(Kips)	/					Check	Case	Check	Case
452-	552	PL5	.181	5	.0	-3.44	-.09	-5.05	7.66	.71	34.7	34.7	.000	0	.000	0	
512-	612	PL6	.434	5	.0	17.34	-1.76	-.06	-.36	-8.93	30.0	30.0	.000	0	.000	0	
522-	622	PL6	.103	5	.0	2.61	-1.73	1.48	-6.68	-3.75	29.8	29.8	.000	0	.000	0	
532-	632	PL6	.178	5	.0	5.99	-1.91	.96	-8.53	-5.05	29.8	29.8	.000	0	.000	0	
542-	642	PL6	.288	5	.0	-10.00	.41	2.26	-8.49	-2.15	30.0	30.0	.000	0	.000	0	
552-	652	PL6	.122	5	.0	-3.32	.06	-2.06	7.66	-1.56	30.0	30.0	.000	0	.000	0	
572-	672	PL6	.470	5	.0	-17.18	2.06	-1.19	7.30	2.48	29.8	29.8	.000	0	.000	0	
612-	712	PL7	.433	5	.0	17.45	1.58	-.18	4.67	47.37	2.2	2.2	.000	0	.000	0	
622-	722	PL7	.079	5	2.6	2.73	-.75	-.44	13.05	20.53	2.2	2.2	.000	0	.000	0	
632-	732	PL7	.176	5	.0	6.10	.01	-1.90	33.77	22.32	2.2	2.2	.000	0	.000	0	
642-	742	PL7	.258	5	.0	-9.89	1.46	-.60	-14.74	60.04	2.2	2.2	.000	0	.000	0	
652-	752	PL7	.094	5	.0	-3.21	.92	.52	11.15	27.30	2.2	2.2	.000	0	.000	0	
662-	762	PL7	.476	5	.0	-19.06	.92	1.66	-24.40	29.55	2.2	2.2	.000	0	.000	0	
672-	772	PL7	.431	5	.0	-17.07	1.45	1.26	-17.16	36.10	2.2	2.2	.000	0	.000	0	
712-	811	PL8	.142	5	3.0	-3.24	-3.56	.65	-8.22	53.55	2.5	2.5	.000	0	.000	0	
722-	821	PL8	.218	5	.0	-8.09	1.64	.25	7.04	110.24	2.5	2.5	.000	0	.000	0	
732-	831	PL8	.171	5	3.0	-5.05	-2.31	1.70	-1.36	62.53	2.5	2.5	.000	0	.000	0	
742-	841	PL8	.366	5	.0	-9.69	1.08	-7.59	66.15	159.91	2.5	2.5	.000	0	.000	0	
752-	851	PL8	.198	5	.0	-3.54	.02	6.23	-56.32	53.00	2.5	2.5	.000	0	.000	0	
762-	861	PL8	.205	5	3.0	-7.87	-1.21	-.28	-9.51	82.32	2.5	2.5	.000	0	.000	0	
772-	871	PL8	.164	5	3.0	-5.27	-2.23	.10	-9.12	41.76	2.5	2.5	.000	0	.000	0	
782-	881	PL8	.285	5	3.0	-9.39	-3.62	.14	3.51	127.97	2.5	2.5	.000	0	.000	0	
123-	199	SIM	.419	5	.0	-10.38	-8.19	.81	-.70	-3.42	47.2	47.2	.000	0	.000	0	
124-	199	SIM	.121	5	16.8	2.44	-1.57	-3.13	-2.46	1.06	47.2	47.2	.000	0	.000	0	

*** 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			
JA -JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fz			Unity	Load			
		CK	NO.	End(Ft)	/---- (	KSI)	---/	/-- (Kips)	-/			Check	Case			
												Check	Case			
199-	163	SIM	.151	S	.0	-3.21	1.53	-3.15	2.45	1.37	47.2	47.2	.000	0	.000	0
199-	164	SIM	.443	S	16.8	11.57	9.45	.67	.64	-4.99	47.2	47.2	.000	0	.000	0
223-	299	SIM	.221	S	.0	8.16	-1.23	-1.18	.95	-.30	47.2	47.2	.000	0	.000	0
224-	299	SIM	.100	S	.0	-1.82	-.66	-2.66	2.66	.42	47.2	47.2	.000	0	.000	0
299-	263	SIM	.095	S	16.8	1.56	1.89	-2.59	-2.61	-1.47	47.2	47.2	.000	0	.000	0
299-	264	SIM	.250	S	16.8	-8.07	1.49	-1.27	-1.01	-.79	47.2	47.2	.000	0	.000	0
423-	499	SIM	.210	S	16.8	8.41	-.20	.81	.48	-.26	47.2	47.2	.000	0	.000	0
424-	499	SIM	.088	S	.0	-1.46	-.60	-2.55	3.26	.17	47.2	47.2	.000	0	.000	0
463-	499	SIM	.092	S	.0	1.72	1.27	2.53	-3.24	.89	47.2	47.2	.000	0	.000	0
499-	464	SIM	.261	S	16.8	-9.12	.60	-.74	-.67	-.65	47.2	47.2	.000	0	.000	0
626-	699	SIM	.195	S	.0	6.62	.41	2.21	-1.54	1.20	38.9	38.9	.000	0	.000	0
628-	699	SIM	.059	S	.0	-.79	1.13	-1.72	3.08	1.16	38.9	38.9	.000	0	.000	0
699-	666	SIM	.036	S	13.8	-.48	.33	-1.24	-2.73	-.80	38.9	38.9	.000	0	.000	0
699-	668	SIM	.244	S	13.8	-8.09	1.18	1.67	1.16	-1.47	38.9	38.9	.000	0	.000	0
811-	1	TL1	.177	S	2.3	-3.82	2.89	-3.75	11.39	-.23	3.9	3.9	.000	0	.000	0
821-	2	TL1	.259	S	4.5	-9.50	2.03	-.61	-1.47	.28	3.9	3.9	.000	0	.000	0
831-	3	TL1	.208	S	2.3	-5.93	3.08	-2.17	3.20	4.72	3.9	3.9	.000	0	.000	0
841-	4	TL1	.411	S	2.3	-11.42	-1.75	7.72	-55.13	-30.44	3.9	3.9	.000	0	.000	0
1-	9	TL2	.174	S	.0	-3.81	2.88	-3.41	12.71	1.08	13.9	13.9	.000	0	.000	0
2-	10	TL2	.260	S	.0	-9.50	2.03	-.61	-1.47	.28	13.9	13.9	.000	0	.000	0
3-	11	TL2	.207	S	.0	-5.92	2.92	-2.06	4.79	6.31	13.9	13.9	.000	0	.000	0
4-	13	TL2	.379	S	.0	-11.41	-.90	6.15	-53.65	-28.96	13.9	13.9	.000	0	.000	0
9-	18	TL3	.101	S	7.1	-3.00	.75	1.44	21.69	10.07	7.0	7.0	.000	0	.000	0
18-	73	TL3	.087	S	.0	-2.58	.56	1.32	-11.40	3.79	7.8	7.8	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Unity	Load Case	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y Z) ---/	Shear Force Fy Fz /--- (Kips) --/	KLY/RX	KLZ/RZ	Second-Highest Unity	Load Case	Third-Highest Unity	Load Case
73-	81	.084	5	.0	-3.16	.30 .45	-11.40 3.79	5.8	5.8	.000	0	.000	0
10-	19	.193	5	7.1	-7.59	-.15 .91	11.37 13.12	7.0	7.0	.000	0	.000	0
19-	74	.091	5	8.0	-3.38	-.38 .50	3.85 5.02	7.8	7.8	.000	0	.000	0
74-	83	.121	5	6.0	-4.17	-.85 .90	3.85 5.02	5.8	5.8	.000	0	.000	0
11-	20	.137	5	7.1	-4.71	-.81 1.18	17.62 19.14	7.0	7.0	.000	0	.000	0
20-	75	.067	5	8.0	-2.52	-.36 .25	1.57 .54	7.8	7.8	.000	0	.000	0
75-	84	.085	5	6.0	-3.11	-.49 .43	1.57 .54	5.8	5.8	.000	0	.000	0
13-	21	.343	5	7.1	-9.13	4.36 -5.62	-44.60 -19.92	7.0	7.0	.000	0	.000	0
21-	76	.268	5	.0	-7.66	3.25 -3.64	30.69 20.64	7.8	7.8	.000	0	.000	0
76-	85	.262	5	.0	-9.48	1.87 -1.31	30.69 20.64	5.8	5.8	.000	0	.000	0
851-	5	.209	5	2.3	-4.16	-5.30 2.92	-27.28 -44.20	3.9	3.9	.000	0	.000	0
851-	6	.235	5	2.3	-9.24	-1.13 -.17	-7.66 -17.81	3.9	3.9	.000	0	.000	0
871-	7	.188	5	2.3	-6.17	-2.34 .42	-7.41 -24.74	3.9	3.9	.000	0	.000	0
881-	8	.328	5	2.3	-11.05	-1.90 3.41	-27.01 -31.98	3.9	3.9	.000	0	.000	0
5-	14	.184	5	.0	-4.15	-4.05 2.15	-25.74 -42.66	13.9	13.9	.000	0	.000	0
6-	15	.242	5	14.4	-9.19	1.33 -.47	5.35 -4.80	13.9	13.9	.000	0	.000	0
7-	16	.178	5	14.4	-6.12	1.75 .03	2.46 -14.87	13.9	13.9	.000	0	.000	0
8-	17	.337	5	14.4	-10.99	4.18 -1.62	-22.44 -27.40	13.9	13.9	.000	0	.000	0
14-	23	.171	5	7.1	-3.28	4.54 -2.27	-12.67 -29.60	7.0	7.0	.000	0	.000	0
23-	77	.125	5	.0	-2.62	3.07 -1.46	9.86 20.40	7.8	7.8	.000	0	.000	0
77-	86	.109	5	.0	-3.21	1.67 -.78	9.86 20.40	5.8	5.8	.000	0	.000	0
15-	24	.196	5	7.1	-7.38	1.35 .11	6.76 -3.39	7.0	7.0	.000	0	.000	0
24-	78	.103	5	.0	-3.39	1.22 -.18	5.64 7.43	7.8	7.8	.000	0	.000	0
78-	87	.113	5	.0	-4.18	.73 .36	5.64 7.43	5.8	5.8	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Combined Unity CK	Load Case NO.	Dist From End(Ft)	Axial Stress /---- (KSI) ----/	Bending Stress		Shear Force		KL _Y /R _Y	KL _Z /R _Z	Second-Highest		Third-Highest	
						Y	Z	F _y	F _x			Unity Check	Load Case	Unity Check	Load Case
16-	25	.162	5	7.1	-4.90	2.54	.21	2.46	-14.87	7.0	7.0	.000	0	.000	0
25-	79	.081	5	.0	-2.39	1.31	-.24	3.25	5.74	7.8	7.8	.000	0	.000	0
79-	88	.087	5	.0	-2.94	1.01	.04	3.25	5.74	5.8	5.8	.000	0	.000	0
17-	26	.320	5	7.1	-8.83	5.46	-3.00	-22.44	-27.40	7.0	7.0	.000	0	.000	0
26-	80	.268	5	.0	-7.70	4.61	-1.58	14.73	32.03	7.8	7.8	.000	0	.000	0
80-	89	.265	5	.0	-9.52	2.36	-.42	14.73	32.03	5.8	5.8	.000	0	.000	0
83-	140	.011	5	.0	.24	.31	-.03	-2.77	7.51	2.3	2.3	.000	0	.000	0
87-	147	.035	5	.0	.26	-.89	-.13	1.54	-27.36	2.3	2.3	.000	0	.000	0
84-	149	.009	5	2.4	.19	.20	-.15	-2.59	1.10	2.3	2.3	.000	0	.000	0
88-	150	.026	5	.0	.15	-.15	-.05	1.51	13.89	2.3	2.3	.000	0	.000	0

*** 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)
S-Loads	2340.619	2308.293	-4092.306	2951189.000	-4201928.000	-120344.300
Reactions	-2340.600	-2308.065	4100.469	-2950915.000	4202635.000	120359.300
Difference	.019	.228	8.163	274.500	707.000	15.047
Max. Difference	.019	.228	8.163	274.500	707.000	15.047
Load Case No.	5	5	5	5	5	5

Friday 7/22/94 19:45:19

Input File Name:\STRUCAD\WDpush\WDPUSH
Output File Name:\STRUCAD\WDpush\WDPUSH.OT3

Time For PREP Module	=	0: 3:49
Time For LOAD Module	=	0:12: 9
Time For SOLVE Module	=	0:34:37
Time For STRESS Module	=	0: 6: 9

Total Processing Time	=	0:56:45

*** 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	.....	8
Number Of Plates	.....	16
No. Of Basic Load Cases	.....	4
No. Of Combined Load Cases	...	1

8.3.4 WDPUSH.OT4

Tubular Can Analysis	pp. 1 - 3
Actual Member & Punching Allowable Stresses for Members with U.C. > 1	pp. 4 - 15, 30
(Not Printed	pp. 16 - 29, 31 - 63)
Joint Can Summary	pp. 64 - 67
End Page	p. 68

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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 19:45:23

*** 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 Mx
Out of Plane  Force Fz      Moment My

```

Common Joint	Chord Joint	Brace Joint	Chord		Comp. Fy (KSI)	Gap Alpha ()	Brace		Brace Load Angle (Deg)	Case	Actual Stresses (KSI)			Punching Shear Allowable Stresses (KSI)			Unity Check		
			O.D. (In)	WT (In)			O.D. (In)	WT (In)			Fa+Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl		In-Pl	
101	121	123	46.00	.500	36.0	1.7	12.75	.500	47.49	5	12.67	-2.26	-2.46	-1.89	3.73	8.02	11.85	.610	
Member Unity Check Based On 50% Of The Brace Effective Strength = 2.066																			
101	121	123	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 2.066																
102	131	124	46.00	.500	36.0	1.7	12.75	.500	47.49	5	12.72	-.22	-2.23	-.31	3.83	8.16	12.34	.172	
Member Unity Check Based On 50% Of The Brace Effective Strength = 2.066																			
102	131	124	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 2.066																
103	161	163	46.00	.500	36.0	1.7	12.75	.500	47.49	5	12.38	.28	2.53	-.12	4.16	8.64	14.01	.188	
Member Unity Check Based On 50% Of The Brace Effective Strength = 2.066																			
103	161	163	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 2.066																
104	171	164	46.00	.500	36.0	1.7	12.75	.500	47.49	5	12.61	2.64	2.92	2.49	4.16	8.64	14.01	.650	
Member Unity Check Based On 50% Of The Brace Effective Strength = 2.066																			
104	171	164	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 2.066																
111	211	221	46.00	1.000	36.0	1.2	-20.32	26.00	.500	41.34	5	10.49	23.19	3.35	1.22	17.69	11.45	21.50	.496
Member Unity Check Based On 50% Of The Brace Effective Strength = .556																			
111	211	115	46.00	1.000	36.0	1.0	-20.32	20.00	.812	84.32	5	10.49	-3.20	.64	-.08	8.00	13.04	23.06	.349
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	5	10.49	6.45	-1.16	-4.00	8.00	11.89	21.93	.641
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																			

Common Joint		Chord Joint	Chord		Comp. Fy	Gap Alpha	Brace		Brace Load		Actual Stresses				Punching Shear			Unity Check	
Joint	Joint	Joint	O.D.	WT	(KSI)	(In)	O.D.	WT	Angle	Case	Fa-Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl	Check	
			(in)	(in)			(in)	(in)	(Deg)					(KSI)					
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	5	11.81	26.55	3.58	3.82	7.94	11.39	21.24	1.068
																			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	5	11.81	-4.73	2.96	9.31	7.94	14.69	24.45	.435
																			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	5	11.81	-3.20	-.60	.93	5.33	12.97	22.78	.519
																			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	5	11.81	-8.20	1.69	-1.04	6.94	12.97	22.78	1.031
																			Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292
121	101	155	46.00	1.000	36.0	1.6		24.00	.687	84.29	5	11.81	8.89	1.82	-2.13	6.54	11.83	21.67	1.009
																			Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133
121	101	145	46.00	1.000	36.0	2.1		24.00	.500	86.65	5	11.81	-1.92	-3.14	-2.52	5.66	11.83	21.67	.262
																			Member Unity Check Based On 50% Of The Brace Effective Strength = .827
121	101	115																	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.292
123	143	155	20.00	.812	36.0	1.0	7.87	8.63	.500	43.15	5	11.09	5.89	11.83	-2.58	13.07	24.58	25.20	.323
																			Member Unity Check Based On 50% Of The Brace Effective Strength = .358
123	143	101	20.00	.812	36.0	2.2		12.75	.500	127.88	5	11.09	-2.28	8.82	-4.74	9.67	20.42	25.20	.261
																			Member Unity Check Based On 50% Of The Brace Effective Strength = .448

Common Joint	Chord Joint	Brace Joint	Chord		Comp. Fy	Alpha	Gap (in)	Brace		Brace Load Angle (Deg)	Case	Actual Stresses				Punching Shear			Unity Check
			O.D. (in)	WT (in)				O.D. (in)	WT (in)			Fa+Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl	In-Pl		Allowable Stresses (KSI)
123	143	124	20.00	.812	36.0	1.5	-.74	12.75	.687	90.00	5	11.09	4.23	-10.30	.26	15.22	20.42	25.20	.516
Member Unity Check Based On 50% Of The Brace Effective Strength = .780																			
123	143	121	20.00	.812	36.0	1.0	7.87	16.00	.500	158.34	5	11.09	-4.73	14.22	2.73	11.28	20.86	25.20	.196
Member Unity Check Based On 50% Of The Brace Effective Strength = .217																			
123	143	125	20.00	.812	36.0	1.5	8.85	16.00	.500	163.58	5	11.09	4.36	-10.22	-2.46	11.28	20.86	25.20	.123
Member Unity Check Based On 50% Of The Brace Effective Strength = .166																			
123	143	199	20.00	.812	36.0	1.2	8.85	12.75	.687	34.81	5	11.09	-10.38	-8.19	-.81	11.81	20.42	25.20	.549
Member Unity Check Based On 50% Of The Brace Effective Strength = .445																			
123	143	124	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .780																
124	144	146	20.00	.812	36.0	2.4		8.63	.500	43.15	5	9.37	7.50	2.68	-.05	13.15	24.68	25.20	.269
Member Unity Check Based On 50% Of The Brace Effective Strength = .358																			
124	144	102	20.00	.812	36.0	2.4		12.75	.500	127.88	5	9.37	-.24	8.12	-7.60	8.97	20.51	25.20	.168
Member Unity Check Based On 50% Of The Brace Effective Strength = .448																			
124	144	123	20.00	.812	36.0	2.1		12.75	.687	90.00	5	9.37	4.23	-9.98	-.99	11.89	20.51	25.20	.572
Member Unity Check Based On 50% Of The Brace Effective Strength = .780																			
124	144	131	20.00	.812	36.0	2.2		16.00	.500	158.34	5	9.37	4.69	-3.89	-1.51	11.35	20.95	25.20	.122
Member Unity Check Based On 50% Of The Brace Effective Strength = .217																			

Common Chord Brace		Chord		Comp.		Gap		Brace		Brace Load		Actual Stresses		Punching Shear			Unity		
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)	(KSI)	()	(In)	(In)	(In)	(Deg)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)			
124	144	125	20.00	.812	36.0	1.0	8.85	16.00	.500	163.58	5	9.37	-4.27	6.65	1.06	11.35	20.95	25.20	.101
Member Unity Check Based On 50% Of The Brace Effective Strength = .166																			
124	144	199	20.00	.812	36.0	2.4		12.75	.687	34.81	5	9.37	2.44	-2.02	1.86	11.89	20.51	25.20	.137
Member Unity Check Based On 50% Of The Brace Effective Strength = .445																			
124	144	123	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .790																
125	121	123	20.00	.812	36.0	1.2	-10.79	16.00	.500	73.58	5	9.92	4.36	5.74	-.49	21.58	20.89	25.20	.223
Member Unity Check Based On 50% Of The Brace Effective Strength = .565																			
125	131	124	20.00	.812	36.0	1.2	-10.79	16.00	.500	73.58	5	8.13	-4.27	.02	.58	22.05	20.96	25.20	.123
Member Unity Check Based On 50% Of The Brace Effective Strength = .565																			
125	121	123	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .565																
131	102	241	46.00	1.000	36.0	1.0	-19.39	26.00	.375	44.23	5	9.42	21.58	5.95	-2.26	8.01	11.46	21.56	.793
Member Unity Check Based On 50% Of The Brace Effective Strength = .441																			
131	102	124	46.00	1.000	36.0	2.4		16.00	.500	84.69	5	9.42	4.69	-.26	1.45	7.46	14.79	24.82	.332
Member Unity Check Based On 50% Of The Brace Effective Strength = .748																			
131	102	125	46.00	1.000	36.0	2.2		20.00	.812	90.00	5	9.42	-7.00	-1.27	5.41	5.83	13.06	23.13	1.107
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	5	9.42	-7.97	1.83	-3.57	6.15	13.06	23.13	1.159
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																			

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)	
131	102	146	46.00	1.000	36.0	2.4		24.00	.687	84.29	5	9.42	3.85	.81	-3.87	6.60	11.91	22.00	.481
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	5	9.42	1.35	-.61	-6.63	8.01	11.91	22.00	.182
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	5	1.29	-7.97	1.70	4.81	5.80	13.28	23.99	1.233
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	5	1.29	6.40	3.70	-5.34	6.77	12.11	22.82	.816
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																			
141	241	135	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.286																
143	123	155	20.00	.812	36.0	1.7		8.63	.500	90.00	5	4.28	-.90	-13.26	2.37	13.33	24.93	25.20	.257
Member Unity Check Based On 50% Of The Brace Effective Strength = .524																			
143	163	155	20.00	.812	36.0	1.7		8.63	.500	90.00	5	4.57	-.90	13.26	-2.37	13.33	24.93	25.20	.257
Member Unity Check Based On 50% Of The Brace Effective Strength = .524																			
143	123	155	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .524																
144	124	146	20.00	.812	36.0	1.7		8.63	.500	90.00	5	4.27	.90	-14.27	2.88	13.30	24.88	25.20	.276
Member Unity Check Based On 50% Of The Brace Effective Strength = .524																			
144	164	146	20.00	.812	36.0	1.7		8.63	.500	90.00	5	4.01	.90	14.27	-2.88	13.30	24.89	25.20	.276
Member Unity Check Based On 50% Of The Brace Effective Strength = .524																			

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	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)	(KSI)	(KSI)	(KSI)				
Maximum Unity Check Based On 50% Of The Brace Effective Strength = .524																											
145	151	251	24.00	.687	36.0	1.3	-12.62	24.00	.375	55.46	5	8.71	16.59	5.96	-1.90	18.52	21.79	25.20					.484				
Member Unity Check Based On 50% Of The Brace Effective Strength = .628																											
145	111	211	24.00	.687	36.0	1.3	-12.62	24.00	.375	55.46	5	7.85	-17.06	-4.11	4.92	18.98	22.03	25.20					.482				
Member Unity Check Based On 50% Of The Brace Effective Strength = .628																											
145	111	121	24.00	.687	36.0	1.0	-12.24	24.00	.500	54.03	5	7.85	-1.92	3.21	3.28	10.82	22.03	25.20					.178				
Member Unity Check Based On 50% Of The Brace Effective Strength = .823																											
145	151	161	24.00	.687	36.0	1.0	-12.24	24.00	.500	54.03	5	8.71	1.43	-5.19	-.23	10.66	21.79	25.20					.159				
Member Unity Check Based On 50% Of The Brace Effective Strength = .823																											
145	111	121	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .823																								
146	131	231	24.00	.687	36.0	1.3	-12.58	24.00	.375	55.32	5	6.70	-23.85	-3.88	5.34	16.57	22.03	25.20					.725				
Member Unity Check Based On 50% Of The Brace Effective Strength = .627																											
146	171	271	24.00	.687	36.0	1.3	-12.58	24.00	.375	55.32	5	11.78	23.51	3.10	-2.83	17.51	21.56	25.19					.655				
Member Unity Check Based On 50% Of The Brace Effective Strength = .627																											
146	131	124	24.00	.687	36.0	2.4		8.63	.500	43.15	5	6.70	7.50	5.55	-.68	9.96	19.44	25.20					.466				
Member Unity Check Based On 50% Of The Brace Effective Strength = .573																											
146	131	144	24.00	.687	36.0	2.3		8.63	.500	90.00	5	6.70	.90	-3.37	-2.98	9.96	19.44	25.20					.163				
Member Unity Check Based On 50% Of The Brace Effective Strength = .838																											

Common Joint	Chord Joint	Brace Joint	Chord			Comp.			Gap		Brace			Brace Load		Actual Stresses			Punching Shear			Unity Check
			O.D. (in)	WT (in)	Fy (KSI)	Alpha ()	O.D. (in)	WT (in)	Alpha (in)	O.D. (in)	WT (in)	Angle (Deg)	Case	Fa-Fb	Fa	Out-P1	In-P1	Fa	Out-P1	In-P1	Allowable Stresses	
146	171	144	24.00	.687	36.0	2.3		8.63	.500	90.00	5	11.78	.90	3.37	2.98	9.66	19.03	25.20				.167
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.838
146	171	164	24.00	.687	36.0	2.4		8.63	.500	43.15	5	11.78	-6.96	9.31	1.25	7.62	19.03	25.20				.612
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.573
146	131	144	Maximum Unity Check Based On 50% Of The Brace Effective Strength =																			.838
148	141	241	24.00	.687	36.0	1.3	-12.62	24.00	.375	55.46	5	9.55	-18.03	-4.36	6.29	16.59	22.03	25.20				.580
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.628
148	181	281	24.00	.687	36.0	1.3	-12.62	24.00	.375	55.46	5	5.91	17.71	2.46	-1.11	18.00	21.92	25.20				.477
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.628
148	141	131	24.00	.687	36.0	2.4		24.00	.500	54.03	5	9.55	1.35	2.33	-.06	7.81	22.03	25.20				.142
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.823
148	181	171	24.00	.687	36.0	2.4		24.00	.500	54.03	5	5.91	-.79	-.54	-2.98	10.18	21.92	25.20				.091
Member Unity Check Based On 50% Of The Brace Effective Strength =																						.823
148	141	131	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	5	1.08	7.87	-1.60	-4.02	7.12	13.28	24.00				1.001
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	5	1.08	-5.72	-3.97	3.66	5.17	12.11	22.83				.917
Member Unity Check Based On 50% Of The Brace Effective Strength =																						1.133

Common Joint	Chord Joint	Brace Joint	Chord		Comp. Fy	Gap Alpha	Brace		Brace Load	Chord / Actual Stresses				Punching Shear			Unity Check		
			O.D.	WT			O.D.	WT		Angle	Case	Fa-Fb	Fa	Out-Pl	In-Pl	Fa		Out-Pl	In-Pl
(In)	(In)	(In)	(In)	(In)	(KSI)	(In)	(In)	(In)	(Deg)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)		
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	5	11.57	-23.18	-3.17	5.69	17.53	22.03	25.20	.670
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	5	7.13	23.11	3.57	-1.69	16.80	21.89	25.20	.668
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	5	11.57	5.89	-8.83	-.83	9.96	19.44	25.20	.440
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	5	11.57	-.90	-3.01	-2.25	9.69	19.44	25.20	.151
Member Unity Check Based On 50% Of The Brace Effective Strength = .838																			
155	161	143	24.00	.687	36.0	1.8		8.63	.500	90.00	5	7.13	-.90	3.01	2.25	9.60	19.32	25.20	.152
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	5	7.13	-6.36	-4.91	.27	7.78	19.32	25.20	.488
Member Unity Check Based On 50% Of The Brace Effective Strength = .573																			
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	5	7.95	-19.23	-5.77	-3.96	8.09	11.54	21.86	.711
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	5	7.95	-5.70	-.16	-.85	5.95	14.88	25.16	.488
Member Unity Check Based On 50% Of The Brace Effective Strength = .748																			

Common Joint	Chord Joint	Brace Joint	Chord		Comp. Fy	Gap Alpha	Brace		Brace Load	Actual Stresses				Punching Shear			Unity Check	
			O.D. (in)	WT (in)			O.D. (in)	WT (in)		Angle (Deg)	Case	Fa+Fb	Fa	Out-Pl	In-Pl	Fa		Out-Pl
161	103	159	46.00	1.000	36.0	2.3	20.00	.812	90.00	5	7.95	7.87	-1.60	4.73	7.01	13.14	23.44	1.035
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	5	7.95	7.90	1.15	-5.39	7.01	13.14	23.44	1.044
Member Unity Check Based On 50% Of The Brace Effective Strength =															1.292			
161	103	155	46.00	1.000	36.0	2.4	24.00	.687	84.29	5	7.95	-3.50	-1.07	4.58	5.09	11.98	22.30	.568
Member Unity Check Based On 50% Of The Brace Effective Strength =															1.133			
161	103	145	46.00	1.000	36.0	2.4	24.00	.500	86.65	5	7.95	1.43	.38	1.76	6.66	11.98	22.30	.134
Member Unity Check Based On 50% Of The Brace Effective Strength =															.827			
161	103	159	Maximum Unity Check Based On 50% Of The Brace Effective Strength =															1.292
163	143	155	20.00	.812	36.0	2.4	8.63	.500	43.15	5	9.16	-6.96	-2.33	-.23	10.22	24.71	25.20	.288
Member Unity Check Based On 50% Of The Brace Effective Strength =															.358			
163	143	103	20.00	.812	36.0	2.4	12.75	.500	127.88	5	9.16	.27	-7.91	7.92	11.90	20.53	25.20	.166
Member Unity Check Based On 50% Of The Brace Effective Strength =															.448			
163	143	164	20.00	.812	36.0	2.1	12.75	.687	90.00	5	9.16	-4.07	10.86	1.37	10.04	20.53	25.20	.640
Member Unity Check Based On 50% Of The Brace Effective Strength =															.780			
163	143	161	20.00	.812	36.0	2.1	16.00	.500	158.34	5	9.16	-5.70	3.30	1.76	10.40	20.97	25.20	.150
Member Unity Check Based On 50% Of The Brace Effective Strength =															.217			

Common Chord Brace			Chord		Comp.		Gap		Brace		Brace Load		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)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)			
163	143	165	20.00	.812	36.0	1.0	8.85	16.00	.500	163.58	5	9.16	5.46	-6.19	-1.30	11.36	20.97	25.20	.117	
Member Unity Check Based On 50% Of The Brace Effective Strength = .166																				
163	143	199	20.00	.812	36.0	2.4		12.75	.687	34.81	5	9.16	-3.21	1.45	-1.81	8.99	20.53	25.20	.204	
Member Unity Check Based On 50% Of The Brace Effective Strength = .445																				
163	143	164																	.780	
Maximum Unity Check Based On 50% Of The Brace Effective Strength = .780																				
164	144	146	20.00	.812	36.0	1.0	7.87	8.63	.500	43.15	5	11.34	-6.96	-13.32	2.82	13.04	24.55	25.20	.374	
Member Unity Check Based On 50% Of The Brace Effective Strength = .358																				
164	144	104	20.00	.812	36.0	2.0		12.75	.500	127.88	5	11.34	2.63	-9.64	6.01	11.79	20.40	25.20	.274	
Member Unity Check Based On 50% Of The Brace Effective Strength = .448																				
164	144	163	20.00	.812	36.0	1.4	-7.74	12.75	.687	90.00	5	11.34	-4.07	11.46	-1.68	15.82	20.40	25.20	.534	
Member Unity Check Based On 50% Of The Brace Effective Strength = .780																				
164	144	171	20.00	.812	36.0	1.1	7.87	16.00	.500	158.34	5	11.34	6.99	-14.75	-3.21	11.26	20.83	25.20	.246	
Member Unity Check Based On 50% Of The Brace Effective Strength = .217																				
164	144	165	20.00	.812	36.0	1.3	8.85	16.00	.500	163.58	5	11.34	-5.57	10.97	2.62	11.26	20.83	25.20	.146	
Member Unity Check Based On 50% Of The Brace Effective Strength = .166																				
164	144	199	20.00	.812	36.0	1.3	8.85	12.75	.687	34.81	5	11.34	11.57	9.45	.67	11.79	20.40	25.20	.618	
Member Unity Check Based On 50% Of The Brace Effective Strength = .445																				

Common Joint	Chord Joint	Brace Joint	Chord		Comp. Fy	Alpha	Gap (In)	Brace		Actual Stresses				Punching Shear			Unity Check		
			O.D. (In)	WT (In)				O.D. (In)	WT (In)	Brace Load /Chord/ Angle (Deg)	Case	Fa+Fb	Fa	Out-P1	In-P1	Fa		Out-P1	In-P1	Allowable Stresses ( KSI )
			Maximum Unity Check Based On 50% Of The Brace Effective Strength = .780																
165	161	163	20.00	.812	36.0	1.2	-10.79	16.00	.500	73.58	5	9.10	5.46	-.83	-.82	22.06	21.16	25.20	.165
			Member Unity Check Based On 50% Of The Brace Effective Strength = .565																
165	171	164	20.00	.812	36.0	1.2	-10.79	16.00	.500	73.58	5	11.03	-5.57	-5.90	.73	21.66	21.16	25.20	.258
			Member Unity Check Based On 50% Of The Brace Effective Strength = .565																
165	161	163	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .565																
171	104	261	46.00	1.000	36.0	1.0	-19.68	26.00	.500	36.68	5	10.70	-22.03	-2.57	-5.86	7.99	11.44	21.46	.891
			Member Unity Check Based On 50% Of The Brace Effective Strength = .503																
171	104	164	46.00	1.000	36.0	1.0		16.00	.500	84.69	5	10.70	6.99	-3.69	-8.60	7.99	14.76	24.71	.573
			Member Unity Check Based On 50% Of The Brace Effective Strength = .748																
171	104	165	46.00	1.000	36.0	2.0		20.00	.812	90.00	5	10.70	9.45	-2.04	1.61	6.92	13.03	23.02	1.197
			Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																
171	104	175	46.00	1.000	36.0	2.3		20.00	.812	90.00	5	10.70	7.07	.60	-.71	6.92	13.03	23.02	.857
			Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																
171	104	146	46.00	1.000	36.0	2.0		24.00	.687	84.29	5	10.70	-8.47	-2.56	4.01	5.87	11.88	21.90	1.110
			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	5	10.70	-.79	3.32	-2.38	7.99	11.88	21.90	.145
			Member Unity Check Based On 50% Of The Brace Effective Strength = .827																

Common Joint	Chord Joint	Brace Joint	Chord				Brace				Actual Stresses			Punching Shear			Unity Check			
			O.D. (In)	WT (In)	Fy (KSI)	Alpha ()	Gap (In)	O.D. (In)	WT (In)	Angle (Deg)	Case	Fa-Fb	Fa	Out-Pl	In-Pl	Fa		Out-Pl	In-Pl	
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	5	8.59	-20.87	-4.52	-5.18	21.30	11.67	22.39		.419
Member Unity Check Based On 50% Of The Brace Effective Strength = .556																				
181	281	175	46.00	1.000	36.0	1.1	-20.32	20.00	.812	84.32	5	8.59	7.07	-.35	1.60	21.60	13.29	24.02		.301
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.286																				
181	281	148	46.00	1.000	36.0	1.2		24.00	.687	84.32	5	8.59	-4.06	.36	3.38	6.77	12.12	22.85		.476
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																				
181	281	175																		
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.286																				
199	123	124	12.75	.687	36.0	1.1		12.75	.687	69.63	5	12.49	2.44	1.57	3.13	14.39	25.20	25.20		.242
Member Unity Check Based On 50% Of The Brace Effective Strength = .696																				
199	164	163	12.75	.687	36.0	1.3		12.75	.687	69.63	5	15.07	-3.21	-1.53	-3.15	14.71	25.20	25.20		.288
Member Unity Check Based On 50% Of The Brace Effective Strength = .696																				
199	123	124																		
Maximum Unity Check Based On 50% Of The Brace Effective Strength = .696																				
201	221	253	26.00	.500	36.0	2.4		20.00	.500	44.30	5	12.71	-.15	-3.82	-5.49	4.43	9.83	18.54		.246
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.402																				
201	221	321	26.00	.500	36.0	1.4	-13.41	24.00	.375	74.02	5	12.71	-1.34	1.66	1.07	12.66	11.90	17.95		.146
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.485																				
201	361	343	26.00	.500	36.0	1.0	-7.00	24.00	.500	49.35	5	17.01	.49	.18	.09	7.27	11.90	17.95		.058
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.563																				

Common Joint	Chord Joint	Brace Joint	Chord		Comp. Fy	Alpha	Gap (in)	Brace		Brace Load /Chord/		Actual Stresses			Punching Shear			Unity Check	
			O.D. (in)	WT (in)				O.D. (in)	WT (in)	Angle (Deg)	Case	Fa+Fb	Fa	Out-PI	In-PI	Fa	Out-PI		In-PI
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	5	18.80	-.93	-2.12	-2.37	2.61	5.09	7.52	.703	
			Member Unity Check Based On 50% Of The Brace Effective Strength = 3.299																
302	421	301	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	5	17.36	1.57	-3.71	-3.05	2.86	5.41	8.78	1.100	
			Member Unity Check Based On 50% Of The Brace Effective Strength = 3.299																
303	431	304	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	5	19.39	-.47	-2.32	-5.85	5.10	11.20	19.79	.319	
			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	5	19.39	-1.90	.43	.30	9.15	16.03	19.21	.165
			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	5	19.39	1.57	3.65	-1.38	7.87	16.03	19.21	.207
			Member Unity Check Based On 50% Of The Brace Effective Strength = 1.129																
304	331	346	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	5	20.04	10.59	8.49	5.39	7.27	12.22	19.86	.643
			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	5	9.67	-15.75	-6.39	3.98	17.27	11.87	21.83	.367
			Member Unity Check Based On 50% Of The Brace Effective Strength = .477																

* * * Joint Cap Summary * * *

----- Joints -----				----- Chord -----			----- Brace -----			----- SQ 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
101	121	123	5	46.000	.500	36.000	12.750	.500	36.000	.610	123	2.066
102	131	124	5	46.000	.500	36.000	12.750	.500	36.000	.172	124	2.066
103	161	163	5	46.000	.500	36.000	12.750	.500	36.000	.188	163	2.066
104	171	164	5	46.000	.500	36.000	12.750	.500	36.000	.650	164	2.066
111	211	145	5	46.000	1.000	36.000	24.000	.687	36.000	.641	115	1.286
121	101	231	5	46.000	1.000	36.000	26.000	.500	36.000	1.068	115	1.292
123	143	199	5	20.000	.812	36.000	12.750	.687	36.000	.549	124	.780
124	144	123	5	20.000	.812	36.000	12.750	.687	36.000	.572	123	.780
125	121	123	5	20.000	.812	36.000	16.000	.500	36.000	.223	123	.565
125	131	124	5	20.000	.812	36.000	16.000	.500	36.000	.123	123	.565
131	102	135	5	46.000	1.000	36.000	20.000	.812	36.000	1.159	125	1.292
141	241	135	5	46.000	1.000	36.000	20.000	.812	36.000	1.233	135	1.286
143	123	155	5	20.000	.812	36.000	8.625	.500	36.000	.257	155	.524
143	163	155	5	20.000	.812	36.000	8.625	.500	36.000	.257	155	.524
144	124	146	5	20.000	.812	36.000	8.625	.500	36.000	.276	146	.524
144	164	146	5	20.000	.812	36.000	8.625	.500	36.000	.276	146	.524
145	151	251	5	24.000	.687	36.000	24.000	.375	36.000	.484	121	.823
145	111	211	5	24.000	.687	36.000	24.000	.375	36.000	.482	121	.823
146	131	231	5	24.000	.687	36.000	24.000	.375	36.000	.725	144	.838
146	171	271	5	24.000	.687	36.000	24.000	.375	36.000	.655	144	.838
148	141	241	5	24.000	.687	36.000	24.000	.375	36.000	.580	131	.823
148	181	281	5	24.000	.687	36.000	24.000	.375	36.000	.477	131	.823
151	251	159	5	46.000	1.000	36.000	20.000	.812	36.000	1.001	159	1.286
155	121	221	5	24.000	.687	36.000	24.000	.375	36.000	.670	143	.838
155	161	261	5	24.000	.687	36.000	24.000	.375	36.000	.668	143	.838
161	103	165	5	46.000	1.000	36.000	20.000	.812	36.000	1.044	159	1.292
163	143	164	5	20.000	.812	36.000	12.750	.687	36.000	.640	164	.780
164	144	199	5	20.000	.812	36.000	12.750	.687	36.000	.618	163	.780
165	161	163	5	20.000	.812	36.000	16.000	.500	36.000	.165	163	.565
165	171	164	5	20.000	.812	36.000	16.000	.500	36.000	.258	163	.565
171	104	165	5	46.000	1.000	36.000	20.000	.812	36.000	1.197	165	1.292
181	281	148	5	46.000	1.000	36.000	24.000	.687	36.000	.476	175	1.286
199	123	124	5	12.750	.687	36.000	12.750	.687	36.000	.242	124	.696
199	164	163	5	12.750	.687	36.000	12.750	.687	36.000	.288	124	.696
201	221	253	5	26.000	.500	36.000	20.000	.500	36.000	.246	343	1.563
201	361	343	5	26.000	.500	36.000	24.000	.500	36.000	.058	343	1.563
202	205	201	5	46.000	1.000	36.000	24.000	.500	36.000	.109	201	.825
203	206	204	5	46.000	1.000	36.000	24.000	.500	36.000	.209	204	.825
204	331	203	5	26.000	.500	36.000	24.000	.500	36.000	.239	231	1.416
205	202	223	5	46.000	1.000	36.000	12.750	.375	36.000	.028	223	.385
206	203	224	5	46.000	1.000	36.000	12.750	.375	36.000	.051	224	.385
207	261	263	5	46.000	.500	36.000	12.750	.375	36.000	.279	263	1.542
208	271	264	5	46.000	.500	36.000	12.750	.375	36.000	.093	264	1.542
211	111	145	5	46.000	1.000	36.000	24.000	.375	36.000	.219	221	.771
211	311	221	5	46.000	1.000	36.000	18.000	.500	36.000	.557	221	.771
221	101	155	5	46.000	1.000	36.000	24.000	.375	36.000	.948	211	.775
221	202	201	5	46.000	1.000	36.000	26.000	.500	36.000	.561	211	.775
223	243	299	5	20.000	.812	36.000	12.750	.687	36.000	.352	224	.780
224	244	223	5	20.000	.812	36.000	12.750	.687	36.000	.161	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	5	12.750	.500	36.000	12.750	.375	36.000	.390	223	.720
225	231	224	5	12.750	.500	36.000	12.750	.375	36.000	.360	223	.720
231	203	321	5	46.000	1.000	36.000	20.000	.500	36.000	.637	225	.701
231	102	146	5	46.000	1.000	36.000	24.000	.375	36.000	.940	225	.701
241	141	131	5	46.000	1.000	36.000	26.000	.375	36.000	.987	381	.638
241	341	381	5	46.000	1.000	36.000	26.000	.500	36.000	.610	381	.638
243	223	254	5	20.000	.812	36.000	8.625	.322	36.000	.068	254	.337
243	263	254	5	20.000	.812	36.000	8.625	.322	36.000	.068	254	.337
244	224	255	5	20.000	.812	36.000	8.625	.322	36.000	.073	255	.337
244	264	255	5	20.000	.812	36.000	8.625	.322	36.000	.073	255	.337
251	151	161	5	46.000	1.000	36.000	26.000	.375	36.000	.887	311	.638
251	351	311	5	46.000	1.000	36.000	26.000	.500	36.000	.510	311	.638
253	254	201	5	24.000	.375	36.000	20.000	.500	36.000	.731	201	3.275
254	253	223	5	24.000	.375	36.000	8.625	.322	36.000	.654	243	1.811
254	261	263	5	24.000	.375	36.000	8.625	.322	36.000	.602	243	1.811
255	231	224	5	24.000	.375	36.000	8.625	.322	36.000	.496	244	1.811
255	271	264	5	24.000	.375	36.000	8.625	.322	36.000	.565	244	1.811
261	207	371	5	46.000	1.000	36.000	20.000	.500	36.000	.562	265	.701
261	103	155	5	46.000	1.000	36.000	24.000	.375	36.000	.867	265	.701
263	243	264	5	20.000	.812	36.000	12.750	.687	36.000	.159	264	.780
264	244	299	5	20.000	.812	36.000	12.750	.687	36.000	.350	263	.780
265	261	263	5	12.750	.500	36.000	12.750	.375	36.000	.355	263	.720
265	271	264	5	12.750	.500	36.000	12.750	.375	36.000	.374	263	.720
271	104	181	5	46.000	1.000	36.000	26.000	.500	36.000	.986	281	.775
271	208	204	5	46.000	1.000	36.000	26.000	.500	36.000	.646	281	.775
281	181	148	5	46.000	1.000	36.000	24.000	.375	36.000	.235	271	.771
281	381	271	5	46.000	1.000	36.000	18.000	.500	36.000	.338	271	.771
299	223	224	5	12.750	.687	36.000	12.750	.687	36.000	.173	224	.696
299	264	263	5	12.750	.687	36.000	12.750	.687	36.000	.161	224	.696
301	421	302	5	24.000	.500	36.000	24.000	.500	36.000	.134	343	1.657
301	361	343	5	24.000	.500	36.000	24.000	.500	36.000	.117	343	1.657
302	421	301	5	46.000	.500	36.000	24.000	.500	36.000	.703	301	3.299
303	431	304	5	46.000	.500	36.000	24.000	.500	36.000	1.100	304	3.299
304	331	346	5	24.000	.500	36.000	20.000	.500	36.000	.319	346	1.827
311	411	421	5	46.000	1.000	36.000	20.000	.500	36.000	.643	251	.734
311	211	251	5	46.000	1.000	36.000	26.000	.500	36.000	.649	251	.734
321	302	431	5	46.000	1.000	36.000	18.000	.500	36.000	.388	343	.825
321	205	231	5	46.000	1.000	36.000	20.000	.500	36.000	.419	343	.825
331	303	441	5	46.000	1.000	36.000	20.000	.375	36.000	.707	346	.792
331	206	204	5	46.000	1.000	36.000	26.000	.500	36.000	.692	346	.792
343	201	321	5	24.000	.500	36.000	24.000	.500	36.000	.370	361	1.910
343	301	361	5	24.000	.500	36.000	24.000	.500	36.000	.494	361	1.910
346	331	304	5	20.000	.500	36.000	20.000	.500	36.000	.258	304	1.473
361	461	451	5	46.000	1.000	36.000	20.000	.375	36.000	.649	343	.825
361	207	201	5	46.000	1.000	36.000	26.000	.500	36.000	.675	343	.825
371	471	461	5	46.000	1.000	36.000	18.000	.500	36.000	.369	346	.792
371	208	261	5	46.000	1.000	36.000	20.000	.500	36.000	.383	346	.792
381	481	471	5	46.000	1.000	36.000	20.000	.500	36.000	.604	241	.734
381	281	241	5	46.000	1.000	36.000	26.000	.500	36.000	.706	241	.734

* * * Joint Can Summary * * *

/----- Joints -----/				/----- Chord -----/			/----- Brace -----/			/SO4 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
411	511	421	5	46.000	1.000	36.000	14.000	.375	36.000	.235	451	.771
421	507	423	5	46.000	1.000	36.000	10.750	.365	36.000	.607	443	.771
421	302	423	5	46.000	1.000	36.000	10.750	.365	36.000	.614	443	.771
423	463	499	5	20.000	.812	36.000	12.750	.687	36.000	.346	424	.780
424	464	423	5	20.000	.812	36.000	12.750	.687	36.000	.172	423	.780
425	421	423	5	12.750	.500	36.000	10.750	.365	36.000	.235	423	.635
425	431	424	5	12.750	.500	36.000	10.750	.365	36.000	.186	423	.635
431	303	425	5	46.000	1.000	36.000	12.750	.500	36.000	.504	446	.771
431	506	425	5	46.000	1.000	36.000	12.750	.500	36.000	.495	446	.771
441	541	471	5	46.000	1.000	36.000	20.000	.375	36.000	.365	481	.771
441	341	331	5	46.000	1.000	36.000	20.000	.375	36.000	.524	481	.771
443	421	423	5	18.000	.500	36.000	8.625	.322	36.000	.373	423	.561
443	461	463	5	18.000	.500	36.000	8.625	.322	36.000	.259	423	.561
446	431	424	5	18.000	.500	36.000	8.625	.322	36.000	.319	424	.561
446	471	464	5	18.000	.500	36.000	8.625	.322	36.000	.402	424	.561
451	551	421	5	46.000	1.000	36.000	20.000	.375	36.000	.305	411	.771
451	351	361	5	46.000	1.000	36.000	20.000	.375	36.000	.489	411	.771
461	508	465	5	46.000	1.000	36.000	12.750	.500	36.000	.261	443	.771
461	361	371	5	46.000	1.000	36.000	18.000	.500	36.000	.276	443	.771
463	423	461	5	20.000	.812	36.000	10.750	.365	36.000	.129	464	.780
464	424	499	5	20.000	.812	36.000	12.750	.687	36.000	.378	463	.780
465	461	463	5	12.750	.500	36.000	10.750	.365	36.000	.215	463	.635
465	471	464	5	12.750	.500	36.000	10.750	.365	36.000	.260	463	.635
471	505	464	5	46.000	1.000	36.000	10.750	.365	36.000	.718	446	.771
471	371	464	5	46.000	1.000	36.000	10.750	.365	36.000	.718	446	.771
481	581	471	5	46.000	1.000	36.000	14.000	.375	36.000	.255	441	.771
499	423	424	5	12.750	.687	36.000	12.750	.687	36.000	.126	424	.696
499	464	463	5	12.750	.687	36.000	12.750	.687	36.000	.146	424	.696
501	671	668	5	46.000	.500	36.000	10.750	.365	36.000	.365	668	1.288
502	631	628	5	46.000	.500	36.000	10.750	.365	36.000	.629	628	1.288
503	621	626	5	46.000	.500	36.000	10.750	.365	36.000	.503	626	1.288
504	661	666	5	46.000	.500	36.000	10.750	.365	36.000	.237	666	1.288
505	471	464	5	46.000	.500	36.000	10.750	.375	36.000	.164	464	1.430
506	431	424	5	46.000	.500	36.000	10.750	.375	36.000	.203	424	1.430
507	421	423	5	46.000	.500	36.000	10.750	.375	36.000	.143	423	1.430
508	461	463	5	46.000	.500	36.000	10.750	.375	36.000	.184	463	1.430
511	611	621	5	46.000	1.000	36.000	16.000	.500	36.000	.601	451	.679
511	411	451	5	46.000	1.000	36.000	20.000	.500	36.000	.922	451	.679
521	503	631	5	46.000	1.000	36.000	16.000	.500	36.000	.334	631	.574
521	507	431	5	46.000	1.000	36.000	18.000	.500	36.000	.338	631	.574
531	502	641	5	46.000	1.000	36.000	16.000	.500	36.000	.638	471	.680
531	506	471	5	46.000	1.000	36.000	20.000	.500	36.000	.735	471	.680
561	504	651	5	46.000	1.000	36.000	16.000	.500	36.000	.740	421	.680
561	508	451	5	46.000	1.000	36.000	18.000	.500	36.000	.473	421	.680
571	501	661	5	46.000	1.000	36.000	16.000	.500	36.000	.352	661	.574
571	505	461	5	46.000	1.000	36.000	18.000	.500	36.000	.347	661	.574
581	681	671	5	46.000	1.000	36.000	16.000	.500	36.000	.573	441	.679
581	481	471	5	46.000	1.000	36.000	18.000	.500	36.000	.534	441	.679
611	712	651	5	46.000	1.000	36.000	14.000	.500	36.000	.437	651	.718

*** Joint Can Summary ***

/----- Joints -----/			/----- Chord -----/			/----- Brace -----/			/SO% 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
621	503	561	5	46.000	1.000	36.000	20.000	.500	36.000	.640	643	.718
621	722	651	5	46.000	1.000	36.000	18.000	.375	36.000	.544	643	.718
623	626	624	5	20.000	.812	36.000	16.000	.500	36.000	.081	624	.589
624	628	625	5	20.000	.812	36.000	10.750	.365	36.000	.043	623	.589
625	621	623	5	12.750	.500	36.000	10.750	.365	36.000	.103	623	.497
625	631	624	5	12.750	.500	36.000	10.750	.365	36.000	.095	623	.497
626	666	699	5	20.000	.812	36.000	12.750	.687	36.000	.253	628	.589
626	623	621	5	20.000	.812	36.000	10.750	.365	36.000	.275	628	.589
628	668	626	5	20.000	.812	36.000	16.000	.500	36.000	.196	626	.589
628	624	631	5	20.000	.812	36.000	10.750	.365	36.000	.235	626	.589
631	502	641	5	46.000	1.000	36.000	12.750	.500	36.000	.906	646	.718
631	732	641	5	46.000	1.000	36.000	12.750	.500	36.000	.904	646	.718
641	541	581	5	46.000	1.000	36.000	20.000	.500	36.000	.750	681	.718
641	742	631	5	46.000	1.000	36.000	12.750	.500	36.000	.737	681	.718
643	621	625	5	14.000	.500	36.000	8.625	.322	36.000	.326	626	.531
643	661	666	5	14.000	.500	36.000	8.625	.322	36.000	.192	626	.531
646	631	628	5	14.000	.500	36.000	8.625	.322	36.000	.212	628	.531
646	671	668	5	14.000	.500	36.000	8.625	.322	36.000	.308	628	.531
651	551	561	5	46.000	1.000	36.000	16.000	.500	36.000	.593	611	.718
651	752	661	5	46.000	1.000	36.000	12.750	.500	36.000	.438	611	.718
661	504	651	5	46.000	1.000	36.000	12.750	.500	36.000	.556	643	.718
661	762	651	5	46.000	1.000	36.000	12.750	.500	36.000	.556	643	.718
663	666	665	5	20.000	.812	36.000	10.750	.365	36.000	.058	664	.589
664	668	665	5	20.000	.812	36.000	10.750	.365	36.000	.080	663	.589
665	661	663	5	12.750	.500	36.000	10.750	.365	36.000	.129	663	.497
665	671	664	5	12.750	.500	36.000	10.750	.365	36.000	.167	663	.497
666	626	643	5	20.000	.812	36.000	8.625	.322	36.000	.131	668	.589
666	663	661	5	20.000	.812	36.000	10.750	.365	36.000	.101	668	.589
668	628	699	5	20.000	.812	36.000	12.750	.687	36.000	.414	666	.589
668	664	671	5	20.000	.812	36.000	10.750	.365	36.000	.531	666	.589
671	501	668	5	46.000	1.000	36.000	10.750	.365	36.000	.934	646	.718
671	772	668	5	46.000	1.000	36.000	10.750	.365	36.000	.934	646	.718
681	782	671	5	46.000	1.000	36.000	12.750	.500	36.000	.645	641	.718
699	626	628	5	12.750	.687	36.000	12.750	.687	36.000	.071	628	.742
699	668	628	5	12.750	.687	36.000	12.750	.687	36.000	.071	628	.742

Friday 7/22/94 19:51: 9

Input File Name:\STRUCAD\WDpush\WDPUSH

Output File Name:\STRUCAD\WDpush\WDPUSH.OT4

* * * Problem Description * * *

Number Of Joints	=	316
Number Of Beams	=	672
Number Of Plates	=	16
No. Of NOAH Basic Load Cases	=	4
No. Of NOAH Combined Load Cases	=	1
No. Of JCAN Combined Load Cases	=	0

Total Solution Time = 0: 5:46



8.4 PUSHOVER STRENGTH ANALYSIS II OUTPUT

8.4.1 WDCOLLP.0T1

Input Echo..... pp. 1 - 32

Tubular Member Properties	}	→	Not printed - same as Ultimate Strength Analysis L.C.8 See Section 8.2.1
Wide Flange Member Properties			
Pile Data Report			
Pile Group Report			

End of Prep Module..... p. 39

Load Generation..... p. 40

(Not Printed pp. 41 - 62)

Dead Load Generation for L.C. 1
and Wave / Wind Load
Generation for L.C. 3 pp. 65 - 75

Applied Load Summary..... p. 76

NOAH Load Case Report..... p. 77

End of Load Module..... p. 78

```

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

```

Thursday 7/28/94 15:48:49

*** Program Options ***

Soil Structure Interaction

```

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

```

Load

```

No. Of Basic Load Cases      3
No. Of Comb. Load Cases      1

```

Print Options

```

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

```

Joint Equilibrium Check Edit Values:

```

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

```

Solution Technique:

Make Combined Load Cases Basic

Member Force File Type:

Long (Normal)

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

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

1 (FAILING DIAGONALS REMOVED 90 DEGR) ULTIMATE STRENGTH WEST DELTA BLK 103A

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 & +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 JNT (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 2&3 ONLY
- 12 EL -26'6" 511 THRU 581 PILE JNTS 512 " 582 " 599-600
- 13 EL -46' 505,506,507,508 ROW 2&3 ONLY
- 14 EL -68' 411 THRU 481 PILE JNTS 412 " 482 " 499-500
- 15 EL -91'3" 301,302,303,304 ROW 2&3 ONLY
- 16 EL -114'6" 311 THRU 381 PILE JNTS 312 " 382 " 399-400
- 17 EL -136' 205,206,207,208 ROW 2&3 ONLY
- 18 EL -140'3" 201,202,203,204 ROW 2&3 ONLY
- 19 EL -166' 211 THRU 281 PILE JNTS 212 " 282 " 299-300
- 20 EL -188' 101,102,103,104 ROW 2&3 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 *****
 25 !!!RERUN OF ULTIMATE STRENGTH CASE FOR 90 DEGREE DIRECTION WITH
 26 !!!DIAGONAL MEMBERS REMOVED WHICH BUCKLED IN PREVIOUS ULTIMATE RUN
 27 *****

28 BASIC LOADS:

- 29 LC 1 : DEAD LD + BOAT LND + BUMPERS + WALK WAY (EL+10')
- 30 LC 2 : DECK & EQUIP LD @ JOINTS
- 31 WIND, WAVE & CURRENT
- 32 LC 3 : WIND 70 KT, WAVE 62.4 FT/12.5 SEC, CURR 1.8 KT @ 90.0 DEGR
- 33 COMBINED LDS:
- 34 LC 4 : LC 1*100% + LC 2*100% + LC3*100% (H=62.4', 90.0 DGR)

35 OPTIONS EN SI SDPA20 1 1 3 1 PTPIPTPIPTI

36 LDOPI SF NF 64.20 490.00 -223.00 223.00

37 LDCASE 4

38 UNIII

39 AMOD 4 2.00

40	GRUP 165	16.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
41	GRUP 185	18.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
42	GRUP 203	20.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
43	GRUP 205	20.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
44	GRUP 243	24.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
45	GRUP 245	24.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
46	GRUP 263	26.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00
47	GRUP 265	26.000	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
48	GRUP J08	8.625	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
49	GRUP J11	12.750	0.500	29.0011.6036.00	1	1.001.00	0.50	490.00
50	GRUP J12	12.750	0.687	29.0011.6036.00	1	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
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...5
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	1.000	29.0011.6036.00	1	1.001.00	0.50F490.005.00							
71	GRUP	LG4	46.000	0.500	29.0011.6036.00	1	1.001.00	0.50F490.00							
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	H16	16.000	0.375	29.0011.6036.00	1	1.001.00	0.50	490.00						
84	GRUP	H20	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 ***

	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

- 301 MEMBER 165 171 J20
- 302 MEMBER 171 175 J20
- 303 MEMBER 175 181 J20
- 304 MEMBER 111 145 J24
- 305 MEMBER 121 155 J24
- 306 MEMBER 131 146 J24
- 307 MEMBER 141 148 J24
- 308 MEMBER 145 151 J24
- 309 MEMBER 146 171 J24
- 310 MEMBER 148 181 J24
- 311 MEMBER 155 161 J24
- 312 MEMBER 121 145 J25
- 313 MEMBER 145 161 J25
- 314 MEMBER 148 131 J25
- 315 MEMBER 171 148 J25
- 316 MEMBER 223 254 K08
- 317 MEMBER 224 255 K08
- 318 MEMBER 244 255 K08
- 319 MEMBER 254 243 K08
- 320 MEMBER 254 263 K08
- 321 MEMBER 255 264 K08
- 322 MEMBER 221 225 K11
- 323 MEMBER 225 231 K11
- 324 MEMBER 261 265 K11
- 325 MEMBER 265 271 K11
- 326 MEMBER 223 224 K12
- 327 MEMBER 263 264 K12
- 328 MEMBER 221 223 K13
- 329 MEMBER 223 205 K13
- 330 MEMBER 223 225 K13
- 331 MEMBER 224 206 K13
- 332 MEMBER 224 231 K13
- 333 MEMBER 225 224 K13
- 334 MEMBER 261 263 K13
- 335 MEMBER 263 207 K13
- 336 MEMBER 263 265 K13
- 337 MEMBER 264 208 K13
- 338 MEMBER 264 271 K13
- 339 MEMBER 265 264 K13
- 340 MEMBER 211 221 K18
- 341 MEMBER 271 281 K18
- 342 MEMBER 223 243 K20
- 343 MEMBER 224 244 K20
- 344 MEMBER 243 263 K20
- 345 MEMBER 244 264 K20
- 346 MEMBER 211 251 K24
- 347 MEMBER 221 251 K24
- 348 MEMBER 221 253 K24
- 349 MEMBER 231 255 K24
- 350 MEMBER 241 271 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	...0

- 351 MEMBER 241 281 K24
- 352 MEMBER 253 254 K24
- 353 MEMBER 254 261 K24
- 354 MEMBER 255 271 K24
- 355 MEMBER 331 346 L20
- 356 MEMBER 346 371 L20
- 357 MEMBER 311 361 L24
- 358 MEMBER 331 381 L24
- 359 MEMBER 321 343 L25
- 360 MEMBER 343 361 L25
- 361 MEMBER 111 211 LG2
- 362 MEMBER 141 241 LG2
- 363 MEMBER 151 251 LG2
- 364 MEMBER 181 281 LG2
- 365 MEMBER 211 311 LG2
- 366 MEMBER 281 381 LG2
- 367 MEMBER 311 411 LG2
- 368 MEMBER 361 461 LG2
- 369 MEMBER 371 471 LG2
- 370 MEMBER 381 481 LG2
- 371 MEMBER 411 511 LG2
- 372 MEMBER 481 581 LG2
- 373 MEMBER 511 611 LG2
- 374 MEMBER 581 681 LG2
- 375 MEMBER 121 101 LG3
- 376 MEMBER 131 102 LG3
- 377 MEMBER 161 103 LG3
- 378 MEMBER 171 104 LG3
- 379 MEMBER 241 341 LG3
- 380 MEMBER 251 351 LG3
- 381 MEMBER 261 207 LG3
- 382 MEMBER 271 208 LG3
- 383 MEMBER 321 302 LG3
- 384 MEMBER 331 303 LG3
- 385 MEMBER 421 507 LG3
- 386 MEMBER 431 506 LG3
- 387 MEMBER 441 541 LG3
- 388 MEMBER 451 551 LG3
- 389 MEMBER 461 508 LG3
- 390 MEMBER 471 505 LG3
- 391 MEMBER 521 503 LG3
- 392 MEMBER 531 502 LG3
- 393 MEMBER 561 504 LG3
- 394 MEMBER 571 501 LG3
- 395 MEMBER 101 221 LG4
- 396 MEMBER 102 231 LG4
- 397 MEMBER 103 261 LG4
- 398 MEMBER 104 271 LG4
- 399 MEMBER 207 361 LG4
- 400 MEMBER 208 371 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

401	MEMBER	302	421	LG4											
402	MEMBER	303	431	LG4											
403	MEMBER	341	441	LG4											
404	MEMBER	351	451	LG4											
405	MEMBER	501	671	LG4											
406	MEMBER	502	631	LG4											
407	MEMBER	503	621	LG4											
408	MEMBER	504	661	LG4											
409	MEMBER	505	571	LG4											
410	MEMBER	506	531	LG4											
411	MEMBER	507	521	LG4											
412	MEMBER	508	561	LG4											
413	MEMBER	541	641	LG4											
414	MEMBER	551	651	LG4											
415	MEMBER	202	205	LG7											
416	MEMBER	205	321	LG7											
417	MEMBER	203	206	LG7											
418	MEMBER	206	331	LG7											
419	MEMBER	221	202	LG7											
420	MEMBER	231	203	LG7											
421	MEMBER	611	712	LG7											
422	MEMBER	621	722	LG7											
423	MEMBER	631	732	LG7											
424	MEMBER	641	742	LG7											
425	MEMBER	651	752	LG7											
426	MEMBER	661	762	LG7											
427	MEMBER	671	772	LG7											
428	MEMBER	681	782	LG7											
429	MEMBER1	121	101	SKD											
430	MEMBER OFFSETS								-29.00					-29.00	
431	MEMBER1	101	221	SKD											
432	MEMBER OFFSETS								-29.00					-29.00	
433	MEMBER1	221	202	SKD											
434	MEMBER OFFSETS								-29.00					-29.00	
435	MEMBER1	202	321	SKD											
436	MEMBER OFFSETS								-29.00					-29.00	
437	MEMBER1	321	302	SKD											
438	MEMBER OFFSETS								-29.00					-29.00	
439	MEMBER1	302	421	SKD											
440	MEMBER OFFSETS								-29.00					-29.00	
441	MEMBER1	421	507	SKD											
442	MEMBER OFFSETS								-29.00					-29.00	
443	MEMBER1	507	521	SKD											
444	MEMBER OFFSETS								-29.00					-29.00	
445	MEMBER1	521	503	SKD											
446	MEMBER OFFSETS								-29.00					-29.00	
447	MEMBER1	131	102	SKD											
448	MEMBER OFFSETS								-29.00					-29.00	
449	MEMBER1	102	231	SKD											
450	MEMBER OFFSETS								-29.00					-29.00	

*** 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

- S01 MEMBER 511 561 N20
- S02 MEMBER 531 581 N20
- S03 MEMBER 626 643 P08
- S04 MEMBER 628 646 P08
- S05 MEMBER 643 666 P08
- S06 MEMBER 646 668 P08
- S07 MEMBER 621 626 P10
- S08 MEMBER 623 625 P10
- S09 MEMBER 625 624 P10
- S10 MEMBER 626 503 P10
- S11 MEMBER 628 502 P10
- S12 MEMBER 631 628 P10
- S13 MEMBER 663 665 P10
- S14 MEMBER 665 664 P10
- S15 MEMBER 666 504 P10
- S16 MEMBER 666 661 P10
- S17 MEMBER 668 501 P10
- S18 MEMBER 668 671 P10
- S19 MEMBER 611 621 P12
- S20 MEMBER 621 625 P12
- S21 MEMBER 625 631 P12
- S22 MEMBER 631 641 P12
- S23 MEMBER 651 661 P12
- S24 MEMBER 661 665 P12
- S25 MEMBER 665 671 P12
- S26 MEMBER 671 681 P12
- S27 MEMBER 611 651 P14
- S28 MEMBER 621 643 P14
- S29 MEMBER 631 646 P14
- S30 MEMBER 641 681 P14
- S31 MEMBER 643 661 P14
- S32 MEMBER 646 671 P14
- S33 MEMBER 623 624 P16
- S34 MEMBER 626 628 P16
- S35 MEMBER 663 664 P16
- S36 MEMBER 666 668 P16
- S37 MEMBER 621 651 P18
- S38 MEMBER 641 671 P18
- S39 MEMBER 623 626 P21
- S40 MEMBER 624 628 P21
- S41 MEMBER 626 666 P21
- S42 MEMBER 628 668 P21
- S43 MEMBER 666 663 P21
- S44 MEMBER 668 664 P21
- S45 MEMBER 112 212 PL2
- S46 MEMBER 122 222 PL2
- S47 MEMBER 132 232 PL2
- S48 MEMBER 142 242 PL2
- S49 MEMBER 152 252 PL2
- S50 MEMBER 162 262 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

- 551 MEMBER 172 272 PL2
- 552 MEMBER 182 282 PL2
- 553 MEMBER 212 312 PL3
- 554 MEMBER 222 322 PL3
- 555 MEMBER 232 332 PL3
- 556 MEMBER 242 342 PL3
- 557 MEMBER 252 352 PL3
- 558 MEMBER 262 362 PL3
- 559 MEMBER 272 372 PL3
- 560 MEMBER 282 382 PL3
- 561 MEMBER 312 412 PL4
- 562 MEMBER 322 422 PL4
- 563 MEMBER 332 432 PL4
- 564 MEMBER 342 442 PL4
- 565 MEMBER 352 452 PL4
- 566 MEMBER 362 462 PL4
- 567 MEMBER 372 472 PL4
- 568 MEMBER 382 482 PL4
- 569 MEMBER 412 512 PL5
- 570 MEMBER 422 522 PL5
- 571 MEMBER 432 532 PL5
- 572 MEMBER 442 542 PL5
- 573 MEMBER 452 552 PL5
- 574 MEMBER 462 562 PL5
- 575 MEMBER 472 572 PL5
- 576 MEMBER 482 582 PL5
- 577 MEMBER 512 612 PL6
- 578 MEMBER 522 622 PL6
- 579 MEMBER 532 632 PL6
- 580 MEMBER 542 642 PL6
- 581 MEMBER 552 652 PL6
- 582 MEMBER 562 662 PL6
- 583 MEMBER 572 672 PL6
- 584 MEMBER 582 682 PL6
- 585 MEMBER 612 712 PL7
- 586 MEMBER 622 722 PL7
- 587 MEMBER 632 732 PL7
- 588 MEMBER 642 742 PL7
- 589 MEMBER 652 752 PL7
- 590 MEMBER 662 762 PL7
- 591 MEMBER 672 772 PL7
- 592 MEMBER 682 782 PL7
- 593 MEMBER 712 811 PL8
- 594 MEMBER 722 821 PL8
- 595 MEMBER 732 831 PL8
- 596 MEMBER 742 841 PL8
- 597 MEMBER 752 851 PL8
- 598 MEMBER 762 861 PL8
- 599 MEMBER 772 871 PL8
- 600 MEMBER 782 881 PL8

*** 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

- 701 MEMBER 65 66 WF3SK
- 702 MEMBER 66 67 WF3SK
- 703 MEMBER 67 21 WF3SK
- 704 MEMBER 23 47 WF3SK
- 705 MEMBER 47 43 WF3SK
- 706 MEMBER 43 48 WF3SK
- 707 MEMBER 48 50 WF3SK
- 708 MEMBER 50 24 WF3SK
- 709 MEMBER 24 56 WF3SK
- 710 MEMBER 56 37 WF3SK
- 711 MEMBER 37 58 WF3SK
- 712 MEMBER 58 25 WF3SK
- 713 MEMBER 25 60 WF3SK
- 714 MEMBER 60 68 WF3SK
- 715 MEMBER 68 69 WF3SK
- 716 MEMBER 69 70 WF3SK
- 717 MEMBER 70 26 WF3SK
- 718 MEMBER 54 34 WF6SK
- 719 MEMBER 34 40 WF6SK
- 720 MEMBER 40 35 WF6SK
- 721 MEMBER 35 64 WF6SK
- 722 MEMBER 53 31 WF6SK
- 723 MEMBER 31 39 WF6SK
- 724 MEMBER 39 33 WF6SK
- 725 MEMBER 33 63 WF6SK
- 726 MEMBER 18 27 WF0SK
- 727 MEMBER 27 23 WF0SK
- 728 MEMBER 21 30 WF0SK
- 729 MEMBER 30 26 WF0SK
- 730 MEMBER 53 49 WF0SK
- 731 MEMBER 49 51 V3ZSK
- 732 MEMBER 51 50 V3ZSK
- 733 MEMBER 50 54 WF0SK
- 734 MEMBER 63 59 WF0SK
- 735 MEMBER 59 61 WF3SK
- 736 MEMBER 61 60 WF3SK
- 737 MEMBER 60 64 WF0SK
- 738 MEMBER 20 29 WF3SK
- 739 MEMBER 29 25 WF3SK
- 740 MEMBER 19 28 WF3SK
- 741 MEMBER 28 24 WF3SK
- 742 MEMBER 39 36 Y24SK
- 743 MEMBER 36 38 Y24SK
- 744 MEMBER 38 37 Y24SK
- 745 MEMBER 37 40 Y24SK
- 746 MEMBER 81 113 WF4SK
- 747 MEMBER 113 114 WF4SK
- 748 MEMBER 114 116 WF4SK
- 749 MEMBER 116 83 WF4SK
- 750 MEMBER 83 117 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

- 751 MEMBER 117 118 WF4SK
- 752 MEMBER 118 119 WF4SK
- 753 MEMBER 119 84 WF4SK
- 754 MEMBER 84 120 WF4SK
- 755 MEMBER 120 126 WF4SK
- 756 MEMBER 126 127 WF4SK
- 757 MEMBER 127 85 WF4SK
- 758 MEMBER 86 128 WF4SK
- 759 MEMBER 128 129 WF4SK
- 760 MEMBER 129 130 WF4SK
- 761 MEMBER 130 87 WF4SK
- 762 MEMBER 87 133 WF4SK
- 763 MEMBER 133 134 WF4SK
- 764 MEMBER 134 136 WF4SK
- 765 MEMBER 136 88 WF4SK
- 766 MEMBER 88 137 WF4SK
- 767 MEMBER 137 138 WF4SK
- 768 MEMBER 138 139 WF4SK
- 769 MEMBER 139 89 WF4SK
- 770 MEMBER 81 90 VZSSK
- 771 MEMBER 90 94 VZSSK
- 772 MEMBER 94 98 VZSSK
- 773 MEMBER 98 86 VZSSK
- 774 MEMBER 85 93 VZSSK
- 775 MEMBER 93 97 VZSSK
- 776 MEMBER 97 106 VZSSK
- 777 MEMBER 106 89 VZSSK
- 778 MEMBER 91 95 V33
- 779 MEMBER 95 99 V33
- 780 MEMBER 92 96 V33
- 781 MEMBER 96 105 V33
- 782 MEMBER 811 1 IL1
- 783 MEMBER 821 2 IL1
- 784 MEMBER 831 3 IL1
- 785 MEMBER 841 4 IL1
- 786 MEMBER 1 9 IL2
- 787 MEMBER 2 10 IL2
- 788 MEMBER 3 11 IL2
- 789 MEMBER 4 13 IL2
- 790 MEMBER 9 18 IL3
- 791 MEMBER 18 73 IL3
- 792 MEMBER 73 81 IL2
- 793 MEMBER 10 19 IL3
- 794 MEMBER 19 74 IL3
- 795 MEMBER 74 83 IL2
- 796 MEMBER 11 20 IL3
- 797 MEMBER 20 75 IL3
- 798 MEMBER 75 84 IL2
- 799 MEMBER 13 21 IL3
- 800 MEMBER 21 76 IL3

*** 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

- 801 MEMBER 76 85 TL2
- 802 MEMBER 45 113 D10
- 803 MEMBER 46 116 D10
- 804 MEMBER 65 120 D10
- 805 MEMBER 67 127 D10
- 806 MEMBER 55 117 D10
- 807 MEMBER 36 118 D10
- 808 MEMBER 57 119 D10
- 809 MEMBER 41 114 D16
- 810 MEMBER 41 113 D16
- 811 MEMBER 41 116 D16
- 812 MEMBER 66 126 D16
- 813 MEMBER 66 120 D16
- 814 MEMBER 66 127 D16
- 815 MEMBER 18 113 D24
- 816 MEMBER 19 116 D24
- 817 MEMBER 20 120 D24
- 818 MEMBER 21 127 D24
- 819 MEMBER 19 117 D11
- 820 MEMBER 36 117 D11
- 821 MEMBER 36 119 D11
- 822 MEMBER 20 119 D11
- 823 MEMBER 24 133 D11
- 824 MEMBER 37 133 D11
- 825 MEMBER 37 134 D11
- 826 MEMBER 37 136 D11
- 827 MEMBER 25 136 D11
- 828 MEMBER 23 128 D24
- 829 MEMBER 24 130 D24
- 830 MEMBER 25 137 D24
- 831 MEMBER 26 139 D24
- 832 MEMBER 47 128 D10
- 833 MEMBER 48 130 D10
- 834 MEMBER 56 133 D10
- 835 MEMBER 58 136 D10
- 836 MEMBER 68 137 D10
- 837 MEMBER 70 139 D10
- 838 MEMBER 43 129 D16
- 839 MEMBER 43 128 D16
- 840 MEMBER 43 130 D16
- 841 MEMBER 69 138 D16
- 842 MEMBER 69 137 D16
- 843 MEMBER 69 139 D16
- 844 MEMBER 851 5 TL1
- 845 MEMBER 861 6 TL1
- 846 MEMBER 871 7 TL1
- 847 MEMBER 881 8 TL1
- 848 MEMBER 5 14 TL2
- 849 MEMBER 6 15 TL2
- 850 MEMBER 7 16 TL2

*** 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

- 851 MEMBER 8 17 TL2
- 852 MEMBER 14 23 TL3
- 853 MEMBER 23 77 TL3
- 854 MEMBER 77 86 TL2
- 855 MEMBER 15 24 TL3
- 856 MEMBER 24 78 TL3
- 857 MEMBER 78 87 TL2
- 858 MEMBER 16 25 TL3
- 859 MEMBER 25 79 TL3
- 860 MEMBER 79 88 TL2
- 861 MEMBER 17 26 TL3
- 862 MEMBER 26 80 TL3
- 863 MEMBER 80 89 TL2
- 864 MEMBER 18 90 D10
- 865 MEMBER 90 27 D10
- 866 MEMBER 27 98 D10
- 867 MEMBER 98 23 D10
- 868 MEMBER 27 94 D83
- 869 MEMBER 30 97 D83
- 870 MEMBER 21 93 D10
- 871 MEMBER 93 30 D10
- 872 MEMBER 30 106 D10
- 873 MEMBER 106 26 D10
- 874 MEMBER 33 108 D85
- 875 MEMBER 35 110 D85
- 876 MEMBER 20 108 D17
- 877 MEMBER 20 92 D17
- 878 MEMBER 25 105 D17
- 879 MEMBER 25 110 D17
- 880 MEMBER 29 96 D12
- 881 MEMBER 29 92 D12
- 882 MEMBER 29 105 D12
- 883 MEMBER 28 95 D12
- 884 MEMBER 28 91 D12
- 885 MEMBER 28 99 D12
- 886 MEMBER 19 91 D17
- 887 MEMBER 24 99 D17
- 888 MEMBER 19 107 D17
- 889 MEMBER 24 109 D17
- 890 MEMBER 31 107 D85
- 891 MEMBER 34 109 D85
- 892 MEMBER 107 140 Y33
- 893 MEMBER 140 91 Y33
- 894 MEMBER 83 140 TL2
- 895 MEMBER 87 147 TL2
- 896 MEMBER 99 147 Y33
- 897 MEMBER 147 109 Y33
- 898 MEMBER 108 149 Y33
- 899 MEMBER 149 92 Y33
- 900 MEMBER 105 150 Y33

*** 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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901 MEMBER 150 110 Y33
902 MEMBER 84 149 TL2
903 MEMBER 88 150 TL2
904 MEMBER 66 71 Y24SK
905 MEMBER 71 69 Y24SK
906 MEMBER 41 44 Y76SK
907 MEMBER 44 43 Y76SK
908 MEMBER 81 153 Y2SSK
909 MEMBER 153 87 Y2SSK
910 MEMBER 83 153 Y2SSK
911 MEMBER 153 86 Y2SSK
912 MEMBER 88 154 Y2SSK
913 MEMBER 154 83 Y2SSK
914 MEMBER 87 154 Y2SSK
915 MEMBER 154 84 Y2SSK
916 MEMBER 85 156 Y2SSK
917 MEMBER 156 88 Y2SSK
918 MEMBER 84 156 Y2SSK
919 MEMBER 156 89 Y2SSK
920 PILOPT PA20135 490. PIPPIPIPIPI
921 PGRP P42 42.0 1.75 170.0
922 PGRP P42 42.0 1.50 10.0
923 PGRP P42 42.0 1.25 10.0
924 PGRP P42 42.0 1.00 80.0
925 PGRP P33 33.0 16.49 163.0
926 PILE 200 300 P33 81SOL1
927 PILE 112 212 P42 13SSOL1
928 PILE 122 222 P42 13SSOL1
929 PILE 132 232 P42 13SSOL1
930 PILE 142 242 P42 13SSOL1
931 PILE 152 252 P42 13SSOL1
932 PILE 162 262 P42 13SSOL1
933 PILE 172 272 P42 13SSOL1
934 PILE 182 282 P42 13SSOL1
935 SOIL SOL1 1.
936 T-Z 7 0.0 .07336 42. S
937 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
938 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
939 T-Z 7 33.0 .07336 42. S
940 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
941 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
942 T-Z 7 33.1 .38528 42. S
943 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
944 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
945 T-Z 7 100.0 .38528 42. S
946 TVAL 0.0 0.30 0.50 0.75 0.90 1.00 0.70
947 ZVAL 0.0 .0016 .0031 .0057 .0080 .0100 .0200
948 T-Z 2 100.1 2.4278 42. S
949 TVAL 0.0 1.00
950 ZVAL 0.0 0.01

```

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

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

951	I-Z	2	150.0	2.4278	42.		S									
952	TVAL		0.0	1.00												
953	ZVAL		0.0	0.01												
954	I-Z	2	150.1	2.6023	42.		S									
955	TVAL		0.0	1.00												
956	ZVAL		0.0	0.01												
957	I-Z	2	210.0	2.6023	42.		S									
958	TVAL		0.0	1.00												
959	ZVAL		0.0	0.01												
960	I-Z	7	211.1	1.9423	42.		S									
961	TVAL		0.0	0.30	0.50	0.75	0.90	1.00	0.70							
962	ZVAL		0.0	.0016	.0031	.0057	.0080	.0100	.0200							
963	I-Z	7	270.0	1.9423	42.		S									
964	TVAL		0.0	0.30	0.50	0.75	0.90	1.00	0.70							
965	ZVAL		0.0	.0016	.0031	.0057	.0080	.0100	.0200							
966	IB-Z	6	0.0	6.93	42.											
967	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
968	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
969	IB-Z	6	33.0	6.93	42.											
970	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
971	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
972	IB-Z	6	33.1	36.37	42.											
973	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
974	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
975	IB-Z	6	100.0	36.37	42.											
976	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
977	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
978	IB-Z	6	100.1	2693.3	42.											
979	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
980	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
981	IB-Z	6	150.0	2693.3	42.											
982	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
983	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
984	IB-Z	6	150.1	2886.3	42.											
985	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
986	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
987	IB-Z	6	210.0	2886.3	42.											
988	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
989	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
990	IB-Z	6	211.1	71.00	42.											
991	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
992	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
993	IB-Z	6	270.0	71.00	42.											
994	TVAL		0.0	0.25	0.50	0.75	0.90	1.00								
995	ZVAL		0.0	.0020	.0130	.0420	.0730	.1000								
996	APILAT CLAY S		0.0	52.0	0.10	0.10	0.25									
997	APILAT CLAY S		33.0	52.0	0.10	0.10	0.25									
998	APILAT CLAY S		33.1	60.0	0.45	0.10	0.25									
999	APILAT CLAY S		100.0	60.0	0.45	0.10	0.25									
1000	APILAT SAND S		100.1	103.0												

*** 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...

1001	APILAT SAND S		150.0	103.0											38.0
1002	APILAT SAND S		150.1	81.0											40.0
1003	APILAT SAND S		210.0	81.0											40.0
1004	APILAT CLAY S		210.1	75.0	1.20	0.08	0.50								
1005	APILAT CLAY S		270.0	75.0	1.20	0.08	0.50								
1006	PGRUP PLTZ	.375					12.								
1007	PLATE	18	41	44	27PLTSK	.3750									
1008	PLATE	41	49	51	44PLTSK	.3750									
1009	PLATE	27	44	43	23PLTSK	.3750									
1010	PLATE	44	51	50	43PLTSK	.3750									
1011	PLATE	53	39	36	49PLTSK	.3750									
1012	PLATE	49	36	38	51PLTSK	.3750									
1013	PLATE	51	38	37	50PLTSK	.3750									
1014	PLATE	50	37	40	54PLTSK	.3750									
1015	PLATE	39	63	59	36PLTSK	.3750									
1016	PLATE	36	59	61	38PLTSK	.3750									
1017	PLATE	38	61	60	37PLTSK	.3750									
1018	PLATE	37	60	64	40PLTSK	.3750									
1019	PLATE	59	66	71	61PLTSK	.3750									
1020	PLATE	61	71	69	60PLTSK	.3750									
1021	PLATE	66	21	30	71PLTSK	.3750									
1022	PLATE	71	30	26	69PLTSK	.3750									
1023	JOINT	101	-22.500	-42.802	-188.00										
1024	JOINT	102	22.500	-42.802	-188.00										
1025	JOINT	103	-22.500	42.802	-188.00										
1026	JOINT	104	22.500	42.802	-188.00										
1027	JOINT	111	-86.302	-46.302	-223.00										
1028	JOINT	112	-86.302	-46.302	-223.00					222222					
1029	JOINT	115	-52.906	-46.302	-223.00										
1030	JOINT	121	-22.500	-46.302	-223.00										
1031	JOINT	122	-22.500	-46.302	-223.00					222222					
1032	JOINT	123	-9.583	-13.781	-223.00										
1033	JOINT	124	9.583	-13.781	-223.00										
1034	JOINT	125	.000	-46.302	-223.00										
1035	JOINT	131	22.500	-46.302	-223.00										
1036	JOINT	132	22.500	-46.302	-223.00					222222					
1037	JOINT	135	52.906	-46.302	-223.00										
1038	JOINT	141	86.302	-46.302	-223.00										
1039	JOINT	142	86.302	-46.302	-223.00					222222					
1040	JOINT	143	-9.583	.000	-223.00										
1041	JOINT	144	9.583	.000	-223.00										
1042	JOINT	145	-86.302	.000	-223.00										
1043	JOINT	146	22.500	.000	-223.00										
1044	JOINT	148	86.302	.000	-223.00										
1045	JOINT	151	-86.302	46.302	-223.00										
1046	JOINT	152	-86.302	46.302	-223.00					222222					
1047	JOINT	155	-22.500	.000	-223.00										
1048	JOINT	159	-52.906	46.302	-223.00										
1049	JOINT	161	-22.500	46.302	-223.00										
1050	JOINT	162	-22.500	46.302	-223.00					222222					

*** 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...

1051	JOINT	163	-9.583	13.781	-223.00										
1052	JOINT	164	9.583	13.781	-223.00										
1053	JOINT	165	.000	46.302	-223.00										
1054	JOINT	171	22.500	46.302	-223.00										
1055	JOINT	172	22.500	46.302	-223.00										
1056	JOINT	175	52.906	46.302	-223.00										
1057	JOINT	181	86.302	46.302	-223.00										
1058	JOINT	182	86.302	46.302	-223.00										
1059	JOINT	199	.000	.000	-223.00										
1060	JOINT	200	.000	.000	-223.00										
1061	JOINT	201	-22.500	-2.575	-140.25										
1062	JOINT	202	-22.500	-38.027	-140.25										
1063	JOINT	203	22.500	-38.027	-140.25										
1064	JOINT	204	22.500	2.575	-140.25										
1065	JOINT	205	-22.500	-37.602	-136.00										
1066	JOINT	206	22.500	-37.602	-136.00										
1067	JOINT	207	-22.500	37.602	-136.00										
1068	JOINT	208	22.500	37.602	-136.00										
1069	JOINT	211	-80.602	-40.602	-166.00										
1070	JOINT	212	-80.602	-40.602	-166.00										
1071	JOINT	221	-22.500	-40.602	-166.00										
1072	JOINT	222	-22.500	-40.602	-166.00										
1073	JOINT	223	-9.583	-13.781	-166.00										
1074	JOINT	224	9.583	-13.781	-166.00										
1075	JOINT	225	.000	-40.599	-166.00										
1076	JOINT	231	22.500	-40.602	-166.00										
1077	JOINT	232	22.500	-40.602	-166.00										
1078	JOINT	241	80.602	-40.602	-166.00										
1079	JOINT	242	80.602	-40.602	-166.00										
1080	JOINT	243	-9.583	.000	-166.00										
1081	JOINT	244	9.583	.000	-166.00										
1082	JOINT	251	-80.602	40.602	-166.00										
1083	JOINT	252	-80.602	40.602	-166.00										
1084	JOINT	253	-22.500	-7.469	-166.00										
1085	JOINT	254	-22.500	.000	-166.00										
1086	JOINT	255	22.500	.000	-166.00										
1087	JOINT	261	-22.500	40.602	-166.00										
1088	JOINT	262	-22.500	40.602	-166.00										
1089	JOINT	263	-9.583	13.781	-166.00										
1090	JOINT	264	9.583	13.781	-166.00										
1091	JOINT	265	.000	40.599	-166.00										
1092	JOINT	271	22.500	40.602	-166.00										
1093	JOINT	272	22.500	40.602	-166.00										
1094	JOINT	281	80.602	40.602	-166.00										
1095	JOINT	282	80.602	40.602	-166.00										
1096	JOINT	299	.000	.000	-166.00										
1097	JOINT	300	.000	.000	-166.00										
1098	JOINT	301	-22.500	2.325	-91.250										
1099	JOINT	302	-22.500	-33.127	-91.250										
1100	JOINT	303	22.500	-33.127	-91.250										

ZZZZZZ

ZZZZZZ

ZZZZZZ

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

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

Line	1	2	3	4	5	6	7	8
1101	JOINT	304	22.500	-2.325	-91.250			
1102	JOINT	311	-75.452	-35.452	-114.50			
1103	JOINT	312	-75.452	-35.452	-114.50			
1104	JOINT	321	-22.500	-35.452	-114.50			
1105	JOINT	322	-22.500	-35.452	-114.50			
1106	JOINT	331	22.500	-35.452	-114.50			
1107	JOINT	332	22.500	-35.452	-114.50			
1108	JOINT	341	75.452	-35.452	-114.50			
1109	JOINT	342	75.452	-35.452	-114.50			
1110	JOINT	343	-22.500	.000	-114.50			
1111	JOINT	346	22.500	7.552	-114.50			
1112	JOINT	351	-75.452	35.452	-114.50			
1113	JOINT	352	-75.452	35.452	-114.50			
1114	JOINT	361	-22.500	35.452	-114.50			
1115	JOINT	362	-22.500	35.452	-114.50			
1116	JOINT	371	22.500	35.452	-114.50			
1117	JOINT	372	22.500	35.452	-114.50			
1118	JOINT	381	75.452	35.452	-114.50			
1119	JOINT	382	75.452	35.452	-114.50			
1120	JOINT	411	-70.802	-30.802	-68.000			
1121	JOINT	412	-70.802	-30.802	-68.000			
1122	JOINT	421	-22.500	-30.802	-68.000			
1123	JOINT	422	-22.500	-30.802	-68.000			
1124	JOINT	423	-9.583	-13.781	-68.000			
1125	JOINT	424	9.583	-13.781	-68.000			
1126	JOINT	425	.000	-30.802	-68.000			
1127	JOINT	431	22.500	-30.802	-68.000			
1128	JOINT	432	22.500	-30.802	-68.000			
1129	JOINT	441	70.802	-30.802	-68.000			
1130	JOINT	442	70.802	-30.802	-68.000			
1131	JOINT	443	-22.500	.000	-68.000			
1132	JOINT	446	22.500	.000	-68.000			
1133	JOINT	451	-70.802	30.802	-68.000			
1134	JOINT	452	-70.802	30.802	-68.000			
1135	JOINT	461	-22.500	30.802	-68.000			
1136	JOINT	462	-22.500	30.802	-68.000			
1137	JOINT	463	-9.583	13.781	-68.000			
1138	JOINT	464	9.583	13.781	-68.000			
1139	JOINT	465	.000	30.802	-68.000			
1140	JOINT	471	22.500	30.802	-68.000			
1141	JOINT	472	22.500	30.802	-68.000			
1142	JOINT	481	70.802	30.802	-68.000			
1143	JOINT	482	70.802	30.802	-68.000			
1144	JOINT	499	.000	.000	-68.000			
1145	JOINT	500	.000	.000	-68.000			
1146	JOINT	501	22.500	24.967	-9.667			
1147	JOINT	502	22.500	-24.967	-9.667			
1148	JOINT	503	-22.500	-24.967	-9.667			
1149	JOINT	504	-22.500	24.967	-9.667			
1150	JOINT	505	22.500	28.602	-46.000			

*** 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...

1301	JOINT	93	62.500	-11.250	55.000											
1302	JOINT	94	-62.500	.000	55.000											
1303	JOINT	95	-22.500	.000	57.380											
1304	JOINT	96	22.500	.000	57.380											
1305	JOINT	97	62.500	.000	55.000											
1306	JOINT	98	-62.500	11.250	55.000											
1307	JOINT	99	-22.500	11.250	57.380											
1308	JOINT	105	22.500	11.250	57.380											
1309	JOINT	106	62.500	11.250	55.000											
1310	JOINT	107	-22.500	-29.000	57.380											
1311	JOINT	108	22.500	-29.000	57.380											
1312	JOINT	109	-22.500	29.000	57.380											
1313	JOINT	110	22.500	29.000	57.380											
1314	JOINT	113	-52.500	-22.500	55.000											
1315	JOINT	114	-42.500	-22.500	55.000											
1316	JOINT	116	-32.500	-22.500	55.000											
1317	JOINT	117	-11.250	-22.500	55.000											
1318	JOINT	118	.000	-22.500	55.000											
1319	JOINT	119	11.250	-22.500	55.000											
1320	JOINT	120	32.500	-22.500	55.000											
1321	JOINT	126	42.500	-22.500	55.000											
1322	JOINT	127	52.500	-22.500	55.000											
1323	JOINT	128	-52.500	22.500	55.000											
1324	JOINT	129	-42.500	22.500	55.000											
1325	JOINT	130	-32.500	22.500	55.000											
1326	JOINT	133	-11.250	22.500	55.000											
1327	JOINT	134	.000	22.500	55.000											
1328	JOINT	136	11.250	22.500	55.000											
1329	JOINT	137	32.500	22.500	55.000											
1330	JOINT	138	42.500	22.500	55.000											
1331	JOINT	139	52.500	22.500	55.000											
1332	JOINT	140	-22.500	-22.500	57.380											
1333	JOINT	147	-22.500	22.500	57.380											
1334	JOINT	149	22.500	-22.500	57.380											
1335	JOINT	150	22.500	22.500	57.380											
1336	JOINT	153	-42.500	.000	55.000											
1337	JOINT	154	.000	.000	55.000											
1338	JOINT	156	42.500	.000	55.000											
1339	AREABL	33.	480.	120.	42.5	-26.3	2.5	1.05	631	641						D
1340	AREABL	1440.	1440.	1440.	42.5	-26.3	2.5	1.4	631	641						I
1341	AREABB	62.	62.	14.4	-63.064	-28.064	1.0	0.7	611							D
1342	AREABB	151.27151.	27151.27	-63.064	-28.064		1.0	1.45	611							I
1343	AREABB	62.	62.	14.4	-22.5	-28.064	1.0	0.7	621							D
1344	AREABB	151.27151.	27151.27	-22.5	-28.064		1.0	1.45	621							I
1345	AREABB	62.	62.	14.4	-63.064	-28.064	1.0	0.7	651							D
1346	AREABB	151.27151.	27151.27	-63.064	-28.064		1.0	1.45	651							I
1347	AREABB	62.	62.	14.4	-22.5	-28.064	1.0	0.7	661							D
1348	AREABB	151.27151.	27151.27	-22.5	-28.064		1.0	1.45	661							I
1349	AREABB	62.	62.	14.4	22.5	-28.064	1.0	0.7	671							D
1350	AREABB	151.27151.	27151.27	22.5	-28.064		1.0	1.45	671							I

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

Line	1	2	3	4	5	6	7	8
1351	AREABB	62.	62.	14.4	63.064-28.064	1.0	0.7	681
1352	AREABB151.27151.27151.27				63.064-28.064	1.0	1.45	681
1353	AREAW1	672.	1792.		0.	0.	47.	19 20 24 25
1354	AREAW2	642.	1713.		0.	0.	60.69	83 84 87 88
1355	AREADD		450.0	-52.5	-11.25	41.0	1.	18 27 41 44
1356	AREADD		450.0	-52.5	11.25	41.0	1.	23 27 43 44
1357	AREADD		450.0	52.5	-11.25	41.0	1.	21 30 66 71
1358	AREADD		450.0	52.5	11.25	41.0	1.	26 30 69 71
1359	AREADD		450.0	-32.5	-11.25	41.0	1.	19 28 41 44
1360	AREADD		450.0	-32.5	11.25	41.0	1.	24 28 43 44
1361	AREADD		450.0	32.5	-11.25	41.0	1.	20 29 66 71
1362	AREADD		450.0	32.5	11.25	41.0	1.	25 29 69 71
1363	AREADD		506.3	-11.25	-11.25	41.0	1.	19 28 36 38
1364	AREADD		506.3	-11.25	11.25	41.0	1.	24 28 37 38
1365	AREADD		506.3	11.25	-11.25	41.0	1.	20 29 36 38
1366	AREADD		506.3	11.25	11.25	41.0	1.	25 29 37 38
1367	AREADD		523.4-13.085	-32.5		41.0	1.	19 31 36 39
1368	AREADD		523.4-13.085	32.5		41.0	1.	24 34 37 40
1369	AREADD		516.6 13.085	-32.5		41.0	1.	20 33 36 39
1370	AREADD		516.6 13.085	32.5		41.0	1.	25 35 37 40
1371	HGROU	0.0	57.0	1.00				1.051.05 1.2 1.2
1372	HGROU	57.0	156.0	1.50				1.051.05 1.2 1.2
1373	HGROU	156.0	224.0	2.00				1.051.05 1.2 1.2
1374	GRPOU	Y76 F	490.	156.8		30.		30.1.841.84
1375	GRPOU	Y32 F	490.	116.7		35.		35.1.971.97
1376	GRPOU	Y24 F	490.	153.2		30.		30.1.841.84
1377	GRPOU	SKDNF	490.	19.24		12.75	12.75	4.0 4.0 1.4 1.4
1378	GRPOU	CH1NH	490.	854.9	855.3	33.0	33.0	9.2 9.2 7.6 7.6
1379	GRPOU	CH2NH	490.	442.9	683.5	29.5	29.5	10.310.3 9.5 9.5
1380	GRPOU	PL2NF	490.	221.29		.0001	.0001	.001.001.001.001 .0 .0
1381	GRPOU	PL2NF	490.	190.85		.0001	.0001	.001.001.001.001 .0 .0
1382	GRPOU	PL2NF	490.	160.02		.0001	.0001	.001.001.001.001 .0 .0
1383	GRPOU	PL3NF	490.	160.02		.0001	.0001	.001.001.001.001 .0 .0
1384	GRPOU	PL3NF	490.	128.81		.0001	.0001	.001.001.001.001 .0 .0
1385	GRPOU	PL4NF	490.	128.81		.0001	.0001	.001.001.001.001 .0 .0
1386	GRPOU	PL5NF	490.	128.81		.0001	.0001	.001.001.001.001 .0 .0
1387	GRPOU	PL6NF	490.	128.81		.0001	.0001	.001.001.001.001 .0 .0
1388	GRPOU	PL7NF	490.	128.81		.0001	.0001	.001.001.001.001 .0 .0
1389	LOADCN	1						
1390	DEAD	-Z						
1391	LOAD	611		-9.000				GLOB JOIN BUMPER
1392	LOAD	611		-3.000				GLOB JOIN WALK10'
1393	LOAD	621		-9.000				GLOB JOIN BUMPER
1394	LOAD	621		-3.000				GLOB JOIN WALK10'
1395	LOAD	631		-20.000				GLOB JOIN BOATLN
1396	LOAD	631		-3.000				GLOB JOIN WALK10'
1397	LOAD	641		-20.000				GLOB JOIN BOATLN
1398	LOAD	641		-3.000				GLOB JOIN WALK10'
1399	LOAD	651		-9.000				GLOB JOIN BUMPER
1400	LOAD	651		-3.000				GLOB JOIN WALK10'

Thursday 7/28/94 15:52:43

Input File Name:\STRU CAD\WDCOLLP\WDCOLLP

Output File Name:\STRU CAD\WDCOLLP\WDCOLLP.OT1

*** Problem Description ***

Number Of Joints 316

Number Of Beams (Steel) 665

Number Of Piles 9

Number Of Plates 16

No. Of Basic Load Cases 3

No. Of Combined Load Cases ... 1

Time For PREP Module = 0: 3:54

End of PREP module

*** 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

*** 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) ...	3598.613
Buoyancy Load (Kips)	1464.079
Net Gravity Load (Kips)	2134.536

* * 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). 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	-3.30	-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	-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	
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	
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	
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	
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	
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	
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	
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	
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	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	

*** 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	.00
258.28	24.59	24.19	.00	.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	.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	.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	.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	.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	.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	.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	.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	.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	.00
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	.00
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	.00
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	.00
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	.00
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	.00
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	.00
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	.00
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
.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	.00

*** 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)	Z59.3	Z58.3	Z55.5	Z51.3	Z46.1	Z40.3	Z34.5	Z28.7	Z23.3	Z18.3	Z13.9	Z09.9	Z06.5	Z03.6	Z01.2	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)

Z59.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Z58.28	.00	2.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Z55.87	.00	2.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Z52.06	.00	2.09	4.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Z46.85	.00	1.99	3.88	5.59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Z40.23	.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
Z32.20	.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
Z22.77	.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
Z11.94	.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
Z09.69	.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
Z06.05	.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
Z04.00	.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
Z02.54	.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
Z01.68	.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
Z01.41	.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
Z01.74	.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
Z01.66	.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
Z01.18	.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
Z01.29	.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
Z01.00	.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	49.97	3797.36	164.34	-601130.60	8912.98	7818.16	3797.69	601196.70
2	-40.00	-17.9	46.23	3909.79	104.78	-620697.40	8144.60	7616.29	3910.06	620750.80
3	-30.00	-13.4	41.92	3987.12	44.28	-634310.90	7269.78	7320.24	3987.34	634352.60
4	-20.00	-8.9	37.12	4026.44	-16.66	-641407.80	6304.94	6936.65	4026.61	641438.80
5	-10.00	-4.5	31.89	4025.62	-77.78	-641576.60	5263.46	6474.84	4025.75	641598.20
6	.00	.0	26.32	3983.73	-138.48	-634619.50	4162.54	5946.24	3983.82	634633.10
7	10.00	4.5	20.52	3899.07	-198.17	-620205.70	3022.76	5364.07	3899.12	620213.10
8	20.00	8.9	14.59	3775.23	-256.35	-599049.20	1864.66	4742.52	3775.26	599052.10
9	30.00	13.4	8.67	3614.94	-312.44	-571699.70	711.69	4097.29	3614.95	571700.10
10	40.00	17.9	2.87	3421.86	-366.21	-538879.30	-408.06	3442.00	3421.86	538879.40

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 = 90.00 Deg

X Shear Force (Kips)	36.95
Y Shear Force (Kips)	3974.24
Resultant Shear Force (Kips)	3974.41
X Mudline Moment (Ft-Kips)	-632124.10
Y Mudline Moment (Ft-Kips)	6315.58
Resultant Mudline Moment (Ft-Kips)	632155.60
Z Vertical Force (Kips)	-18.48

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)	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 Mudline 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	-2252.507	.000	.000	.000
C.G. X (Ft)	.000	.000	.564			
C.G. Y (Ft)	.000	.000	-.957			
C.G. Z (Ft)	.000	.000	-49.731			
			Global Moments (Ft-Kips)	2154.531	1269.477	.000
			Mudline Moments (Ft-Kips)	2154.531	1269.477	.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	57.329	4028.594	-18.483	15612.870	-3636.083	15503.690
C.G. X (Ft)	-12.536	1.463	-90.183			
C.G. Y (Ft)	7.605	-3.073	-372.494			
C.G. Z (Ft)	19.872	-60.325	-456.761			
			Global Moments (Ft-Kips)	251211.600	-830.612	6751.833
			Mudline Moments (Ft-Kips)	-647164.800	11953.860	6751.833
4	57.329	4028.594	-8337.991	15612.870	-3636.083	15503.690
C.G. X (Ft)	-12.536	1.463	9.851			
C.G. Y (Ft)	7.605	-3.073	-1.384			
C.G. Z (Ft)	19.872	-60.325	22.919			
			Global Moments (Ft-Kips)	255863.700	82976.370	6751.832
			Mudline Moments (Ft-Kips)	-642512.800	95760.840	6751.832

*** NOAH Load Case Report ***

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

Thursday 7/28/94 16: 5:32

Input File Name:\STRUCAD\WDCOLLP\WDCOLLP

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

*** Problem Description ***

Number Of Joints 316

Number Of Beams (Steel) 665

Number Of Piles 9

Number Of Plates 16

No. Of Basic Load Cases 3

No. Of Combined Load Cases ... 1

Time For PREP Module * 0: 3:54

Time For LOAD Module * 0:11:30

Total Processing Time = 0:15:25

8.4.2 WDCOLLP.OT2

Soil Structure Interaction	p. 1
Reduced Superstructure Loads	p. 2
Pile Head Forces & Displacements in Pile Coordinates During Iteration.....	pp. 3 - 11

Pile Head Load, Deformation, & Detail Reports, and Deflections:

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(Pile Critical Load Case Report same as Pile Detail Report)

(Not Printed	pp. 75 - 98)
Pile Head Unity Check Report.....	p. 99
Pile Critical Section Unity Check Report	p. 100
Pile Group Summary Report.....	pp. 101 - 107
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Pile Head & Structure Force Comparison	
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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
4	200	21.962	1275.766	-372.307	-118978.498	4810.681	.000
	112	-102.605	468.942	737.122	-90112.738	1690.147	9391.980
	122	245.133	455.990	742.800	-97589.288	1934.524	-63.385
	132	-206.788	457.665	529.621	-94262.289	1843.130	101.592
	142	153.775	453.550	166.916	-94501.303	-428.605	-9589.123
	152	195.388	326.536	-2202.256	-92158.216	-821.264	10182.430
	162	-464.687	130.531	-2629.020	-91798.268	418.940	607.488
	172	304.748	115.804	-2635.722	-97330.770	778.829	746.599
	182	-89.596	343.805	-2675.148	-88891.917	-720.355	-8598.919

*** Pile Head Forces and Displacements In Pile Coordinates During Iterations - Load Case 4 ***

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	.0715	12.5115	.00000	.02739	.00021
		Diff Displ.	-.0915	-.0715	-12.5115	.00000	-.02739	-.00021
112	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.2560	-8.2742	-8.3311	-.00332	-.01966	-.01938
		Diff Displ.	.2560	8.2742	8.3311	.00332	.01966	-.01938
122	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.2540	.1338	-12.2666	-.00100	-.02842	-.00026
		Diff Displ.	.2540	-.1338	12.2666	.00100	.02842	.00026
132	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.2014	.0703	-12.4400	-.00184	-.02837	-.00025
		Diff Displ.	.2014	-.0703	12.4400	.00184	.02837	.00025
142	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	-.0989	8.8900	-8.6864	.00063	-.02035	-.02058
		Diff Displ.	.0989	-8.8900	8.6864	-.00063	.02035	.02058
152	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.7311	-8.1357	8.2162	-.00549	.01966	.01943
		Diff Displ.	-.7311	8.1357	-8.2162	.00549	-.01966	-.01943
162	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.8411	.3402	12.0359	-.00296	.02775	-.00037
		Diff Displ.	-.8411	-.3402	-12.0359	.00296	-.02775	.00037
172	1	Old Forces	-73.383	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.8578	.2628	12.2156	-.00347	.02853	-.00035
		Diff Displ.	-.8578	-.2628	-12.2156	.00347	-.02853	.00035
182	1	Old Forces	-73.576	.000	.000	.000	.000	.000
		Old Displ.	.0000	.0000	.0000	.00000	.00000	.00000
		New Displ.	.8775	8.9819	8.2662	-.00196	.01954	-.02046
		Diff Displ.	-.8775	-8.9819	-8.2662	.00196	-.01954	.02046
**** 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	2	Old Forces	371.287	4.463	35.094	.000	43446.644	2278.250
		Old Displ.	.0915	.0715	12.5115	.00000	.02739	.00021
		New Displ.	.0920	.3638	32.9105	.00000	.03978	.00010
		Diff Displ.	-.0005	-.2924	-20.3990	.00000	-.01239	.00011

*** Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 4 ***

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	-922.360	-33.950	-32.711	-.003	-28268.334	27255.446
		Old Displ.	-.2560	-8.2742	-8.3311	-.00332	-.01966	.01938
		New Displ.	-.2950	-21.4550	-22.1461	-.00502	-.02966	.02897
		Diff Displ.	.0389	13.1808	13.8150	.00169	.01000	-.00958
122	2	Old Forces	-918.560	1.072	-50.697	-.001	-39231.787	-135.155
		Old Displ.	-.2540	.1338	-12.2666	-.00100	-.02842	-.00026
		New Displ.	-.3009	.5120	-32.3870	-.00225	-.04219	-.00043
		Diff Displ.	.0469	-.3782	20.1205	.00125	.01377	.00017
132	2	Old Forces	-751.111	-.584	-52.559	-.002	-37034.038	-707.657
		Old Displ.	-.2014	.0703	-12.4400	-.00184	-.02837	-.00025
		New Displ.	-.2532	.4361	-33.2047	-.00314	-.04251	-.00046
		Diff Displ.	.0517	-.3658	20.7648	.00130	.01415	.00021
142	2	Old Forces	-413.274	32.528	-29.319	.001	-28017.404	-27264.718
		Old Displ.	-.0989	8.8900	-8.6864	.00063	-.02035	-.02058
		New Displ.	-.1445	24.3444	-23.7347	-.00024	-.03115	-.03162
		Diff Displ.	.0457	-15.4544	15.0484	.00087	.01080	.01104
152	2	Old Forces	2167.599	-6.053	5.711	-.005	22938.756	22504.664
		Old Displ.	.7311	-8.1357	8.2162	-.00549	.01966	.01943
		New Displ.	.8686	-20.9173	22.4418	-.00709	.03124	.03001
		Diff Displ.	-.1375	12.7816	-14.2256	.00160	-.01158	-.01058
162	2	Old Forces	2475.619	4.751	12.171	-.003	27713.738	1543.975
		Old Displ.	.8411	.3402	12.0359	-.00296	.02775	-.00037
		New Displ.	1.0067	1.3007	32.1553	-.00417	.04326	-.00095
		Diff Displ.	-.1656	-.9606	-20.1194	.00121	-.01551	.00058
172	2	Old Forces	2520.438	2.959	8.098	-.003	29955.039	823.190
		Old Displ.	.8578	.2628	12.2156	-.00347	.02853	-.00035
		New Displ.	1.0497	1.2157	32.9770	-.00471	.04475	-.00101
		Diff Displ.	-.1919	-.9529	-20.7614	.00125	-.01622	.00066
182	2	Old Forces	2560.558	10.655	2.331	-.002	21557.036	-19141.848
		Old Displ.	.8775	8.9819	8.2662	-.00196	.01954	-.02046
		New Displ.	1.0775	24.8727	22.8928	-.00282	.03125	-.03289
		Diff Displ.	-.2000	-15.8908	-14.6266	.00086	-.01171	.01243
**** 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	3	Old Forces	375.235	6.952	224.426	.000	-39658.973	3598.625
		Old Displ.	.0920	.3638	32.9105	.00000	.03978	.00010
		New Displ.	.0920	.6578	44.0872	.00000	.04379	.00001
		Diff Displ.	.0000	-.2940	-11.1767	.00000	-.00401	.00009
112	3	Old Forces	-1044.443	-158.605	-165.509	-.005	14880.144	-13236.910
		Old Displ.	-.2950	-21.4550	-22.1461	-.00502	-.02966	.02897
		New Displ.	-.2996	-28.6206	-29.6148	-.00610	-.03221	.03144
		Diff Displ.	.0046	7.1656	7.4687	.00108	.00255	-.00247

==== Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 4 ====

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	-1066.179	5.614	-244.712	-.002	25921.534	1601.738
		Old Displ.	-.3009	.5120	-32.3870	-.00225	-.04219	-.00043
		New Displ.	-.3123	.6798	-43.3820	-.00310	-.04608	-.00043
		Diff Displ.	.0114	-.1678	10.9950	.00085	.00389	.00001
132	3	Old Forces	-915.912	3.973	-248.332	-.003	29897.797	878.973
		Old Displ.	-.2532	.4361	-33.2047	-.00314	-.04251	-.00046
		New Displ.	-.2707	.6044	-44.6504	-.00400	-.04650	-.00049
		Diff Displ.	.0175	-.1682	11.4456	.00086	.00399	.00003
142	3	Old Forces	-565.091	170.080	-163.538	.000	18280.676	20342.172
		Old Displ.	-.1445	24.3444	-23.7347	-.00024	-.03115	-.03162
		New Displ.	-.1658	32.9681	-32.1877	-.00088	-.03408	-.03455
		Diff Displ.	.0213	-8.6237	8.4529	.00064	.00293	.00293
152	3	Old Forces	2536.714	-82.429	95.518	-.007	-23425.904	-17761.615
		Old Displ.	.8686	-20.9173	22.4418	-.00709	.03124	.03001
		New Displ.	.8765	-27.6738	30.3404	-.00813	.03414	.03249
		Diff Displ.	-.0079	6.7565	-7.8986	.00104	-.00291	-.00249
162	3	Old Forces	2918.077	10.995	128.562	-.004	-39849.585	5184.604
		Old Displ.	1.0067	1.3007	32.1553	-.00417	.04326	-.00095
		New Displ.	1.0145	2.0605	43.1602	-.00501	.04738	-.00119
		Diff Displ.	-.0078	-.7598	-11.0049	.00083	-.00413	.00024
172	3	Old Forces	3032.683	9.176	123.749	-.005	-39246.928	4287.667
		Old Displ.	1.0497	1.2157	32.9770	-.00471	.04475	-.00101
		New Displ.	1.0724	1.9786	44.4338	-.00556	.04907	-.00128
		Diff Displ.	-.0226	-.7629	-11.4568	.00084	-.00433	.00027
182	3	Old Forces	3090.339	95.736	81.164	-.003	-25984.188	32888.175
		Old Displ.	1.0775	24.8727	22.8928	-.00282	.03125	-.03289
		New Displ.	1.0996	33.9296	30.9350	-.00346	.03435	-.03627
		Diff Displ.	-.0221	-9.0570	-8.0422	.00063	-.00311	.00337
***** 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	4	Old Forces	375.235	10.008	326.111	.000	-93709.700	5161.963
		Old Displ.	.0920	.6578	44.0872	.00000	.04379	.00001
		New Displ.	.0920	.6390	44.7571	.00000	.04406	.00001
		Diff Displ.	.0000	.0188	-.6699	.00000	-.00027	-.00001
112	4	Old Forces	-1058.916	-225.213	-235.243	-.006	45602.020	-42557.824
		Old Displ.	-.2996	-28.6206	-29.6148	-.00610	-.03221	.03144
		New Displ.	-.3002	-29.0569	-30.0981	-.00613	-.03239	.03160
		Diff Displ.	.0006	.4363	.4833	.00004	.00018	-.00015
122	4	Old Forces	-1101.931	7.382	-347.836	-.003	70780.468	2486.942
		Old Displ.	-.3123	.6798	-43.3820	-.00310	-.04608	-.00043
		New Displ.	-.3130	.7103	-44.0485	-.00312	-.04631	-.00044
		Diff Displ.	.0006	-.0305	.6665	.00002	.00024	.00001

*** Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 4 ***

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	-971.177	5.730	-354.517	-.004	76549.142	1700.866
		Old Displ.	-.2707	.6044	-44.6504	-.00400	-.04650	-.00049
		New Displ.	-.2718	.6350	-45.3288	-.00402	-.04672	-.00050
		Diff Displ.	.0011	-.0306	.6785	.00002	.00022	.00001
142	4	Old Forces	-634.499	246.465	-238.334	-.001	52083.155	55021.865
		Old Displ.	-.1658	32.9681	-32.1877	-.00088	-.03408	-.03455
		New Displ.	-.1669	33.4794	-32.6596	-.00089	-.03423	-.03470
		Diff Displ.	.0010	-.5113	.4720	.00001	.00014	.00015
152	4	Old Forces	2557.725	-123.458	145.277	-.008	-55749.547	-45009.807
		Old Displ.	.8765	-27.6738	30.3404	-.00813	.03414	.03249
		New Displ.	.8770	-28.1377	30.7982	-.00817	.03428	.03261
		Diff Displ.	-.0005	.4639	-.4578	.00003	-.00014	-.00012
162	4	Old Forces	2938.812	16.276	191.876	-.005	-84231.456	8594.120
		Old Displ.	1.0145	2.0605	43.1602	-.00501	.04738	-.00119
		New Displ.	1.0152	2.0536	43.8277	-.00503	.04761	-.00119
		Diff Displ.	-.0007	.0069	-.6675	.00002	-.00023	.00000
172	4	Old Forces	3092.997	14.245	186.278	-.006	-85387.895	7618.808
		Old Displ.	1.0724	1.9786	44.4338	-.00556	.04907	-.00128
		New Displ.	1.0731	1.9722	45.1142	-.00558	.04931	-.00129
		Diff Displ.	-.0008	.0064	-.6804	.00002	-.00024	.00001
182	4	Old Forces	3148.804	143.750	122.699	-.003	-57422.493	68881.832
		Old Displ.	1.0996	33.9296	30.9350	-.00346	.03435	-.03627
		New Displ.	1.1006	34.4170	31.4358	-.00347	.03451	-.03641
		Diff Displ.	-.0010	-.4873	-.5008	.00001	-.00015	.00014
***** 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	5	Old Forces	375.235	9.718	331.827	.000	-96739.392	5032.510
		Old Displ.	.0920	.6390	44.7571	.00000	.04406	.00001
		New Displ.	.0920	.6551	44.7563	.00000	.04406	.00001
		Diff Displ.	.0000	-.0161	.0008	.00000	.00000	.00001
112	5	Old Forces	-1060.863	-229.059	-239.585	-.006	47495.138	-44260.138
		Old Displ.	-.3002	-29.0569	-30.0981	-.00613	-.03239	.03160
		New Displ.	-.3001	-29.0614	-30.0842	-.00614	-.03238	.03160
		Diff Displ.	-.0001	.0045	-.0139	.00001	-.00001	.00000
122	5	Old Forces	-1103.958	7.736	-353.867	-.003	73428.896	2635.208
		Old Displ.	-.3130	.7103	-44.0485	-.00312	-.04631	-.00044
		New Displ.	-.3130	.6972	-44.0462	-.00312	-.04631	-.00044
		Diff Displ.	.0001	.0130	-.0023	.00001	.00000	.00000
132	5	Old Forces	-974.764	6.064	-360.722	-.004	79325.105	1834.583
		Old Displ.	-.2718	.6350	-45.3288	-.00402	-.04672	-.00050
		New Displ.	-.2717	.6219	-45.3296	-.00403	-.04672	-.00050
		Diff Displ.	-.0001	.0130	.0007	.00001	.00000	.00000

==== Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 4 =====

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	-637.832	250.998	-242.409	-.001	53993.454	57136.807
		Old Displ.	-.1669	33.4794	-32.6596	-.00089	-.03423	-.03470
		New Displ.	-.1670	33.4737	-32.6724	-.00089	-.03423	-.03470
		Diff Displ.	.0001	.0056	.0128	.00001	.00000	.00000
152	5	Old Forces	2559.057	-126.526	147.921	-.008	-57612.880	-47063.912
		Old Displ.	.8770	-28.1377	30.7982	-.00817	.03428	.03261
		New Displ.	.8769	-28.1193	30.8074	-.00817	.03428	.03261
		Diff Displ.	.0000	-.0184	-.0092	.00001	.00000	.00000
162	5	Old Forces	2940.805	16.031	195.556	-.005	-86938.080	8495.929
		Old Displ.	1.0152	2.0536	43.8277	-.00503	.04761	-.00119
		New Displ.	1.0151	2.0731	43.8255	-.00503	.04761	-.00119
		Diff Displ.	.0001	-.0195	.0022	.00001	.00000	.00000
172	5	Old Forces	3095.095	13.991	189.860	-.006	-88110.572	7509.138
		Old Displ.	1.0731	1.9722	45.1142	-.00558	.04931	-.00129
		New Displ.	1.0733	1.9917	45.1150	-.00558	.04931	-.00129
		Diff Displ.	-.0001	-.0195	-.0007	.00001	.00000	.00000
182	5	Old Forces	3151.396	146.212	125.439	-.003	-59500.361	70863.781
		Old Displ.	1.1006	34.4170	31.4358	-.00347	.03451	-.03641
		New Displ.	1.1006	34.4344	31.4255	-.00347	.03451	-.03641
		Diff Displ.	.0000	-.0175	.0103	.00001	.00000	.00001
**** 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	6	Old Forces	375.235	9.920	331.820	.000	-96736.523	5127.365
		Old Displ.	.0920	.6551	44.7563	.00000	.04406	.00001
		New Displ.	.0920	.6472	44.7564	.00000	.04406	.00001
		Diff Displ.	.0000	.0080	-.0001	.00000	.00000	.00000
112	6	Old Forces	-1060.548	-229.140	-239.431	-.006	47440.780	-44298.178
		Old Displ.	-.3001	-29.0614	-30.0842	-.00614	-.03238	.03160
		New Displ.	-.3002	-29.0584	-30.0907	-.00614	-.03238	.03160
		Diff Displ.	.0000	-.0030	.0065	.00000	.00000	.00000
122	6	Old Forces	-1104.147	7.573	-353.864	-.003	73427.645	2571.006
		Old Displ.	-.3130	.6972	-44.0462	-.00312	-.04631	-.00044
		New Displ.	-.3130	.7039	-44.0469	-.00312	-.04631	-.00044
		Diff Displ.	.0000	-.0067	.0007	.00000	.00000	.00000
132	6	Old Forces	-974.578	5.903	-360.732	-.004	79336.993	1770.448
		Old Displ.	-.2717	.6219	-45.3296	-.00403	-.04672	-.00050
		New Displ.	-.2718	.6286	-45.3290	-.00402	-.04672	-.00050
		Diff Displ.	.0000	-.0067	-.0005	.00000	.00000	.00000
142	6	Old Forces	-638.161	250.930	-242.561	-.001	54053.996	57107.384
		Old Displ.	-.1670	33.4737	-32.6724	-.00089	-.03423	-.03470
		New Displ.	-.1669	33.4769	-32.6660	-.00089	-.03423	-.03470
		Diff Displ.	.0000	-.0031	-.0064	.00000	.00000	.00000

*** Pile Head Forces and Displacements In Pile Coordinates During Iterations - Load Case 4 ***

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	2559.028	-126.348	148.048	-.008	-57677.372	-46965.745
		Old Displ.	.8769	-28.1193	30.8074	-.00817	.03428	.03261
		New Displ.	.8769	-28.1276	30.8026	-.00817	.03428	.03261
		Diff Displ.	.0000	.0083	.0049	.00000	.00000	.00000
162	6	Old Forces	2940.410	16.232	195.552	-.005	-86924.063	8607.282
		Old Displ.	1.0151	2.0731	43.8255	-.00503	.04761	-.00119
		New Displ.	1.0152	2.0638	43.8262	-.00503	.04761	-.00119
		Diff Displ.	-.0001	.0093	-.0007	.00000	.00000	.00000
172	6	Old Forces	3095.454	14.184	189.839	-.006	-88109.365	7618.853
		Old Displ.	1.0733	1.9917	45.1150	-.00558	.04931	-.00129
		New Displ.	1.0732	1.9824	45.1145	-.00558	.04931	-.00129
		Diff Displ.	.0001	.0093	.0005	.00000	.00000	.00000
182	6	Old Forces	3151.400	146.353	125.311	-.003	-59429.555	70947.918
		Old Displ.	1.1006	34.4344	31.4255	-.00347	.03451	-.03641
		New Displ.	1.1006	34.4262	31.4305	-.00347	.03451	-.03641
		Diff Displ.	.0000	.0082	-.0051	.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	7	Old Forces	375.235	9.820	331.822	.000	-96737.280	5080.664
		Old Displ.	.0920	.6472	44.7564	.00000	.04406	.00001
		New Displ.	.0920	.6511	44.7563	.00000	.04406	.00001
		Diff Displ.	.0000	-.0039	.0001	.00000	.00000	.00000
112	7	Old Forces	-1060.688	-229.094	-239.509	-.006	47470.039	-44277.398
		Old Displ.	-.3002	-29.0584	-30.0907	-.00614	-.03238	.03160
		New Displ.	-.3001	-29.0600	-30.0875	-.00614	-.03238	.03160
		Diff Displ.	.0000	.0015	-.0032	.00000	.00000	.00000
122	7	Old Forces	-1104.046	7.659	-353.866	-.003	73430.237	2605.762
		Old Displ.	-.3130	.7039	-44.0469	-.00312	-.04631	-.00044
		New Displ.	-.3130	.7006	-44.0465	-.00312	-.04631	-.00044
		Diff Displ.	.0000	.0033	-.0004	.00000	.00000	.00000
132	7	Old Forces	-974.681	5.988	-360.732	-.004	79334.636	1804.924
		Old Displ.	-.2718	.6286	-45.3290	-.00402	-.04672	-.00050
		New Displ.	-.2718	.6253	-45.3292	-.00403	-.04672	-.00050
		Diff Displ.	.0000	.0033	.0002	.00000	.00000	.00000
142	7	Old Forces	-638.020	250.974	-242.488	-.001	54025.677	57127.823
		Old Displ.	-.1669	33.4769	-32.6660	-.00089	-.03423	-.03470
		New Displ.	-.1669	33.4752	-32.6691	-.00089	-.03423	-.03470
		Diff Displ.	.0000	.0017	.0031	.00000	.00000	.00000
152	7	Old Forces	2559.023	-126.429	147.987	-.008	-57645.737	-47009.948
		Old Displ.	.8769	-28.1276	30.8026	-.00817	.03428	.03261
		New Displ.	.8769	-28.1236	30.8049	-.00817	.03428	.03261
		Diff Displ.	.0000	-.0040	-.0024	.00000	.00000	.00000

*** Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 4 ***

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	2940.589	16.138	195.552	-.005	-86929.149	8555.424
		Old Displ.	1.0152	2.0638	43.8262	-.00503	.04761	-.00119
		New Displ.	1.0151	2.0683	43.8258	-.00503	.04761	-.00119
		Diff Displ.	.0000	-.0045	.0004	.00000	.00000	.00000
172	7	Old Forces	3095.277	14.094	189.846	-.006	-88107.372	7567.416
		Old Displ.	1.0732	1.9824	45.1145	-.00558	.04931	-.00129
		New Displ.	1.0732	1.9869	45.1146	-.00558	.04931	-.00129
		Diff Displ.	.0000	-.0045	-.0002	.00000	.00000	.00000
182	7	Old Forces	3151.403	146.285	125.369	-.003	-59461.762	70907.797
		Old Displ.	1.1006	34.4262	31.4305	-.00347	.03451	-.03641
		New Displ.	1.1006	34.4301	31.4280	-.00347	.03451	-.03641
		Diff Displ.	.0000	-.0039	.0025	.00000	.00000	.00000
**** Warning: Axial Deflections Are Off T-Z Curves Pile Joint 152								
**** Warning: Axial Deflections Are Off T-Z Curves Pile Joint 162								
**** Warning: Axial Deflections Are Off T-Z Curves Pile Joint 172								
**** Warning: Axial Deflections Are Off T-Z Curves Pile Joint 182								
200	8	Old Forces	375.235	9.869	331.821	.000	-96736.726	5103.610
		Old Displ.	.0920	.6511	44.7563	.00000	.04406	.00001
		New Displ.	.0920	.6492	44.7564	.00000	.04406	.00001
		Diff Displ.	.0000	.0019	-.0001	.00000	.00000	.00000
112	8	Old Forces	-1060.621	-229.118	-239.470	-.006	47455.415	-44288.023
		Old Displ.	-.3001	-29.0600	-30.0875	-.00614	-.03238	.03160
		New Displ.	-.3001	-29.0592	-30.0891	-.00614	-.03238	.03160
		Diff Displ.	.0000	-.0007	.0016	.00000	.00000	.00000
122	8	Old Forces	-1104.097	7.616	-353.865	-.003	73428.868	2588.249
		Old Displ.	-.3130	.7006	-44.0465	-.00312	-.04631	-.00044
		New Displ.	-.3130	.7022	-44.0467	-.00312	-.04631	-.00044
		Diff Displ.	.0000	-.0016	.0002	.00000	.00000	.00000
132	8	Old Forces	-974.629	5.945	-360.731	-.004	79335.619	1787.562
		Old Displ.	-.2718	.6253	-45.3292	-.00403	-.04672	-.00050
		New Displ.	-.2718	.6269	-45.3291	-.00402	-.04672	-.00050
		Diff Displ.	.0000	-.0016	-.0001	.00000	.00000	.00000
142	8	Old Forces	-638.086	250.951	-242.524	-.001	54039.652	57117.246
		Old Displ.	-.1669	33.4752	-32.6691	-.00089	-.03423	-.03470
		New Displ.	-.1669	33.4760	-32.6676	-.00089	-.03423	-.03470
		Diff Displ.	.0000	-.0008	-.0015	.00000	.00000	.00000
152	8	Old Forces	2559.028	-126.390	148.017	-.008	-57661.085	-46988.751
		Old Displ.	.8769	-28.1236	30.8049	-.00817	.03428	.03261
		New Displ.	.8769	-28.1256	30.8038	-.00817	.03428	.03261
		Diff Displ.	.0000	.0020	.0012	.00000	.00000	.00000
162	8	Old Forces	2940.502	16.184	195.552	-.005	-86926.629	8580.445
		Old Displ.	1.0151	2.0683	43.8258	-.00503	.04761	-.00119
		New Displ.	1.0151	2.0661	43.8260	-.00503	.04761	-.00119
		Diff Displ.	.0000	.0022	-.0002	.00000	.00000	.00000

==== Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 4 =====

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	3095.362	14.137	189.842	-.006	-88108.152	7592.256
		Old Displ.	1.0732	1.9869	45.1146	-.00558	.04931	-.00129
		New Displ.	1.0732	1.9847	45.1146	-.00558	.04931	-.00129
		Diff Displ.	.0000	.0022	.0001	.00000	.00000	.00000
182	8	Old Forces	3151.399	146.318	125.341	-.003	-59445.934	70926.896
		Old Displ.	1.1006	34.4301	31.4280	-.00347	.03451	-.03641
		New Displ.	1.1006	34.4282	31.4292	-.00347	.03451	-.03641
		Diff Displ.	.0000	.0019	-.0013	.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	9	Old Forces	375.235	9.845	331.821	.000	-96737.033	5092.360
		Old Displ.	.0920	.6492	44.7564	.00000	.04406	.00001
		New Displ.	.0920	.6501	44.7563	.00000	.04406	.00001
		Diff Displ.	.0000	-.0009	.0001	.00000	.00000	.00000
112	9	Old Forces	-1060.654	-229.106	-239.489	-.006	47462.624	-44282.807
		Old Displ.	-.3001	-29.0592	-30.0891	-.00614	-.03238	.03160
		New Displ.	-.3001	-29.0596	-30.0883	-.00614	-.03238	.03160
		Diff Displ.	.0000	.0004	-.0008	.00000	.00000	.00000
122	9	Old Forces	-1104.072	7.637	-353.866	-.003	73429.577	2596.864
		Old Displ.	-.3130	.7022	-44.0467	-.00312	-.04631	-.00044
		New Displ.	-.3130	.7014	-44.0466	-.00312	-.04631	-.00044
		Diff Displ.	.0000	.0008	-.0001	.00000	.00000	.00000
132	9	Old Forces	-974.654	5.966	-360.732	-.004	79335.152	1796.104
		Old Displ.	-.2718	.6269	-45.3291	-.00402	-.04672	-.00050
		New Displ.	-.2718	.6261	-45.3291	-.00402	-.04672	-.00050
		Diff Displ.	.0000	.0008	.0000	.00000	.00000	.00000
142	9	Old Forces	-638.054	250.962	-242.506	-.001	54032.795	57122.457
		Old Displ.	-.1669	33.4760	-32.6676	-.00089	-.03423	-.03470
		New Displ.	-.1669	33.4756	-32.6683	-.00089	-.03423	-.03470
		Diff Displ.	.0000	.0004	.0007	.00000	.00000	.00000
152	9	Old Forces	2559.026	-126.409	148.002	-.008	-57653.616	-46999.125
		Old Displ.	.8769	-28.1256	30.8038	-.00817	.03428	.03261
		New Displ.	.8769	-28.1246	30.8043	-.00817	.03428	.03261
		Diff Displ.	.0000	-.0010	-.0005	.00000	.00000	.00000
162	9	Old Forces	2940.545	16.161	195.552	-.005	-86927.884	8568.212
		Old Displ.	1.0151	2.0661	43.8260	-.00503	.04761	-.00119
		New Displ.	1.0151	2.0672	43.8259	-.00503	.04761	-.00119
		Diff Displ.	.0000	-.0011	.0001	.00000	.00000	.00000
172	9	Old Forces	3095.321	14.116	189.844	-.006	-88107.779	7580.111
		Old Displ.	1.0732	1.9847	45.1146	-.00558	.04931	-.00129
		New Displ.	1.0732	1.9858	45.1146	-.00558	.04931	-.00129
		Diff Displ.	.0000	-.0011	.0000	.00000	.00000	.00000

*** Pile Head Forces and Displacements in Pile Coordinates During Iterations - Load Case 4 ***

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	3151.401	146.302	125.355	-.003	-59453.687	70917.572
		Old Displ.	1.1006	34.4282	31.4292	-.00347	.03451	-.03641
		New Displ.	1.1006	34.4291	31.4286	-.00347	.03451	-.03641
		Diff Displ.	.0000	-.0009	.0006	.00000	.00000	.00000

*** Pile Head Load And Deformation Report For Pile Joint 200 Load Case No. 4 ***

		Allowable Modifier	2.000		
			X	Y	Z
Specified Springs:	Translational (Kips/In)				
	Rotational (In-Kips/Rad)		1.00		
Calculated Loads:	Force (Kips)		375.235	9.845	331.822
	Moment (In-Kips)		.000	-96737.030	5092.360
Calculated Displacements:	Translational (In)		.0920	.6492	44.7564
	Rotational (Rad)		.00000	.04406	.00001

*** Pile Detail Report For Pile Joint 200 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend. Total	
.00	44.76	89	-374.9	0.	331.2	88	96871.	86	33.00	16.49	36.0	-.44	27.46	.01	.51	.52
2.01	43.68	89	-380.1	0.	329.6	88	88470.	86	33.00	16.49	36.0	-.44	25.08	.01	.46	.47
4.02	42.57	89	-385.3	0.	327.8	88	80092.	86	33.00	16.49	36.0	-.45	22.70	.01	.42	.43
6.04	41.43	89	-390.5	0.	325.9	88	71741.	86	33.00	16.49	36.0	-.46	20.33	.01	.38	.39
8.05	40.27	89	-395.7	0.	323.8	88	63422.	86	33.00	16.49	36.0	-.46	17.98	.01	.33	.34
10.06	39.08	89	-400.9	0.	321.5	88	55141.	85	33.00	16.49	36.0	-.47	15.63	.01	.29	.30
12.07	37.88	89	-406.1	0.	319.1	88	46904.	85	33.00	16.49	36.0	-.47	13.29	.01	.25	.26
14.09	36.66	89	-411.3	0.	316.5	88	38715.	84	33.00	16.49	36.0	-.48	10.97	.01	.20	.21
16.10	35.43	89	-416.5	0.	313.8	88	30582.	84	33.00	16.49	36.0	-.49	8.67	.01	.16	.17
18.11	34.18	89	-421.7	0.	311.0	88	22517.	82	33.00	16.49	36.0	-.49	6.38	.01	.12	.13
20.12	32.93	88	-426.9	0.	308.1	88	14544.	79	33.00	16.49	36.0	-.50	4.12	.01	.08	.09
22.14	31.68	88	-432.1	0.	305.0	88	6787.	68	33.00	16.49	36.0	-.51	1.92	.01	.04	.05
24.15	30.42	88	-437.3	0.	301.8	88	2761.	-35	33.00	16.49	36.0	-.51	.78	.01	.01	.03
26.16	29.16	88	-442.5	0.	298.5	88	9641.	-77	33.00	16.49	36.0	-.52	2.73	.01	.05	.06
28.17	27.90	88	-447.7	0.	295.1	88	17279.	-84	33.00	16.49	36.0	-.52	4.90	.01	.09	.10
30.19	26.65	88	-452.9	0.	291.6	88	24917.	-86	33.00	16.49	36.0	-.53	7.06	.01	.13	.14
32.20	25.41	88	-456.8	0.	281.6	88	32494.	-87	33.00	16.49	36.0	-.53	9.21	.01	.17	.18
34.21	24.18	88	-459.4	0.	265.6	88	39841.	-88	33.00	16.49	36.0	-.54	11.29	.01	.21	.22
36.22	22.97	88	-461.9	0.	249.8	88	46803.	-88	33.00	16.49	36.0	-.54	13.27	.01	.25	.26
38.23	21.77	88	-464.5	0.	234.4	88	53382.	-89	33.00	16.49	36.0	-.54	15.13	.01	.28	.29
40.25	20.59	88	-467.0	0.	219.2	87	59584.	-89	33.00	16.49	36.0	-.55	16.89	.01	.31	.33
42.26	19.43	88	-469.6	0.	204.3	87	65414.	-89	33.00	16.49	36.0	-.55	18.54	.01	.34	.36
44.27	18.29	88	-472.2	0.	189.7	87	70878.	-89	33.00	16.49	36.0	-.55	20.09	.01	.37	.38
46.28	17.18	88	-474.8	0.	175.4	87	75981.	-90	33.00	16.49	36.0	-.56	21.54	.01	.40	.41
48.30	16.09	88	-477.5	0.	161.4	87	80790.	-90	33.00	16.49	36.0	-.56	22.88	.01	.42	.44
50.31	15.03	88	-480.1	0.	147.7	87	85130.	-90	33.00	16.49	36.0	-.56	24.13	.01	.45	.46
52.32	14.00	88	-482.8	0.	134.4	87	89190.	-90	33.00	16.49	36.0	-.56	25.28	.01	.47	.48
54.33	13.00	88	-485.4	0.	121.3	87	92914.	-90	33.00	16.49	36.0	-.57	26.34	.01	.49	.50
56.35	12.03	88	-488.1	0.	108.6	87	96312.	-90	33.00	16.49	36.0	-.57	27.30	.01	.51	.52
58.36	11.10	88	-490.8	0.	96.3	86	99389.	-90	33.00	16.49	36.0	-.57	28.17	.01	.52	.53
60.37	10.20	88	-493.5	0.	84.3	86	102153.	-90	33.00	16.49	36.0	-.58	28.95	.01	.54	.55
62.38	9.34	88	-496.3	0.	72.6	86	104612.	-90	33.00	16.49	36.0	-.58	29.65	.01	.55	.56
64.40	8.51	88	-499.0	0.	61.3	85	106774.	-90	33.00	16.49	36.0	-.58	30.26	.01	.56	.57
66.41	7.72	88	-501.8	0.	50.4	85	108647.	-90	33.00	16.49	36.0	-.59	30.79	.01	.57	.58
68.42	6.96	88	-504.5	0.	39.8	84	110239.	-90	33.00	16.49	36.0	-.59	31.25	.01	.58	.59
70.43	6.25	88	-507.3	0.	29.7	82	111559.	-90	33.00	16.49	36.0	-.59	31.62	.01	.59	.60
72.44	5.57	88	-510.1	0.	19.9	80	112614.	-90	33.00	16.49	36.0	-.60	31.92	.01	.59	.60
74.46	4.93	88	-512.9	0.	10.7	72	113415.	-90	33.00	16.49	36.0	-.60	32.15	.01	.60	.61
76.47	4.33	88	-515.8	0.	3.2	21	113970.	-91	33.00	16.49	36.0	-.60	32.30	.01	.60	.61
78.48	3.77	88	-518.6	0.	7.9	-69	114289.	-91	33.00	16.49	36.0	-.61	32.39	.01	.60	.61
80.49	3.25	88	-521.5	0.	15.8	-80	114381.	-91	33.00	16.49	36.0	-.61	32.42	.01	.60	.61
82.51	2.77	88	-524.3	0.	23.4	-84	114256.	-91	33.00	16.49	36.0	-.61	32.38	.01	.60	.61
84.52	2.33	88	-527.2	0.	30.7	-85	113926.	-91	33.00	16.49	36.0	-.62	32.29	.01	.60	.61
86.53	1.93	88	-530.1	0.	37.5	-86	113401.	-91	33.00	16.49	36.0	-.62	32.14	.01	.60	.61
88.54	1.56	88	-533.0	0.	43.9	-87	112691.	-91	33.00	16.49	36.0	-.62	31.94	.01	.59	.61
90.56	1.24	88	-536.0	0.	49.7	-88	111807.	-91	33.00	16.49	36.0	-.63	31.69	.01	.59	.60
92.57	.95	88	-538.9	0.	55.1	-88	110761.	-91	33.00	16.49	36.0	-.63	31.39	.01	.58	.60
94.58	.71	88	-541.9	0.	60.0	-88	109564.	-91	33.00	16.49	36.0	-.63	31.05	.01	.58	.59
96.59	.50	88	-544.9	0.	64.4	-88	108230.	-91	33.00	16.49	36.0	-.64	30.68	.01	.57	.58
98.60	.33	88	-547.9	0.	68.1	-88	106771.	-91	33.00	16.49	36.0	-.64	30.26	.01	.56	.58

*** Pile Detail Report For Pile Joint 200 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Total
100.62	.19	88	-547.5	0.	404.3	268	105201.	-91	33.00	16.49	36.0	-.64	29.82	.01	.55	.57
102.63	.09	88	-543.8	0.	735.6	268	95493.	-91	33.00	16.49	36.0	-.64	27.07	.01	.50	.52
104.64	.03	88	-540.2	0.	828.8	268	77767.	-91	33.00	16.49	36.0	-.63	22.04	.01	.41	.42
106.65	.01	269	-536.6	0.	774.6	268	57774.	-91	33.00	16.49	36.0	-.63	16.38	.01	.30	.32
108.67	.03	268	-533.1	0.	643.5	268	39081.	-91	33.00	16.49	36.0	-.62	11.08	.01	.21	.22
110.68	.04	268	-529.7	0.	485.8	268	23546.	-91	33.00	16.49	36.0	-.62	6.67	.01	.12	.14
112.69	.04	268	-526.4	0.	333.7	268	11813.	-91	33.00	16.49	36.0	-.62	3.35	.01	.06	.08
114.70	.03	268	-523.1	0.	204.6	268	3753.	-91	33.00	16.49	36.0	-.61	1.06	.01	.02	.03
116.72	.02	268	-519.9	0.	105.6	268	1193.	89	33.00	16.49	36.0	-.61	.34	.01	.01	.02
118.73	.02	268	-516.8	0.	36.5	268	3746.	88	33.00	16.49	36.0	-.60	1.06	.01	.02	.03
120.74	.01	268	-513.7	0.	6.5	89	4631.	88	33.00	16.49	36.0	-.60	1.31	.01	.02	.04
122.75	.01	268	-510.8	0.	29.3	88	4476.	88	33.00	16.49	36.0	-.60	1.27	.01	.02	.04
124.77	.00	-90	-507.8	0.	37.8	88	3770.	88	33.00	16.49	36.0	-.59	1.07	.01	.02	.03
126.78	.00	90	-505.0	0.	37.1	88	2859.	88	33.00	16.49	36.0	-.59	.81	.01	.02	.03
128.79	.00	90	-502.2	0.	31.6	88	1962.	88	33.00	16.49	36.0	-.59	.56	.01	.01	.02
130.80	.00	90	-499.5	0.	24.1	88	1200.	88	33.00	16.49	36.0	-.58	.34	.01	.01	.02
132.81	.00	90	-496.9	0.	16.6	88	617.	88	33.00	16.49	36.0	-.58	.17	.01	.00	.02
134.83	.00	90	-494.3	0.	10.2	88	215.	88	33.00	16.49	36.0	-.58	.06	.01	.00	.01
136.84	.00	90	-491.8	0.	5.3	88	31.	-90	33.00	16.49	36.0	-.57	.01	.01	.00	.01
138.85	.00	90	-489.4	0.	1.9	88	159.	-91	33.00	16.49	36.0	-.57	.05	.01	.00	.01
140.86	.00	90	-487.0	0.	.3	269	204.	-91	33.00	16.49	36.0	-.57	.06	.01	.00	.01
142.88	.00	90	-484.7	0.	1.3	268	198.	-91	33.00	16.49	36.0	-.57	.06	.01	.00	.01
144.89	.00	0	-482.4	0.	1.7	268	166.	-91	33.00	16.49	36.0	-.56	.05	.01	.00	.01
146.90	.00	0	-480.3	0.	1.7	268	124.	-91	33.00	16.49	36.0	-.56	.04	.01	.00	.01
148.91	.00	0	-478.1	0.	1.4	268	83.	-91	33.00	16.49	36.0	-.56	.02	.01	.00	.01
150.93	.00	0	-475.8	0.	1.1	268	48.	-91	33.00	16.49	36.0	-.56	.01	.01	.00	.01
152.94	.00	0	-473.3	0.	.6	268	23.	-91	33.00	16.49	36.0	-.55	.01	.01	.00	.01
154.95	.00	0	-470.8	0.	.3	268	7.	-91	33.00	16.49	36.0	-.55	.00	.01	.00	.01
156.96	.00	0	-468.4	0.	.1	268	0.	96	33.00	16.49	36.0	-.55	.00	.01	.00	.01
158.98	.00	0	-466.1	0.	.0	89	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 Segment Deflection Report in Pile Coordinate System For Pile Joint 200 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (in)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
.00	.0920438	.6491821	44.7563600	.0000000	.0440582	.0000091
2.01	.0916788	.6485350	43.6762200	.0000000	.0453819	-.0000621
4.02	.0913088	.6462111	42.5655500	.0000000	.0465855	-.0001298
6.04	.0909337	.6422924	41.4272700	.0000000	.0476695	-.0001942
8.05	.0905535	.6368610	40.2642500	.0000000	.0486343	-.0002551
10.06	.0901683	.6299992	39.0793700	.0000000	.0494803	-.0003126
12.07	.0897781	.6217888	37.8754800	.0000000	.0502281	-.0003668
14.09	.0893827	.6123118	36.6554500	.0000000	.0508184	-.0004175
16.10	.0889823	.6016500	35.4220900	.0000000	.0513117	-.0004649
18.11	.0885769	.5898849	34.1782200	.0000000	.0516889	-.0005089
20.12	.0881664	.5770979	32.9266400	.0000000	.0519507	-.0005496
22.14	.0877508	.5633702	31.6701100	.0000000	.0520980	-.0005868
24.15	.0873301	.5487827	30.4114100	.0000000	.0521318	-.0006208
26.16	.0869044	.5334159	29.1532500	.0000000	.0520530	-.0006514
28.17	.0864736	.5173502	27.8983400	.0000000	.0518627	-.0006787
30.19	.0860377	.5006653	26.6493600	.0000000	.0515619	-.0007027
32.20	.0855967	.4834408	25.4089700	.0000000	.0511518	-.0007234
34.21	.0851519	.4657554	24.1797800	.0000000	.0506348	-.0007408
36.22	.0847047	.4476867	22.9643200	.0000000	.0500153	-.0007551
38.23	.0842550	.4293096	21.7650100	.0000000	.0492989	-.0007664
40.25	.0838028	.4106968	20.5841000	.0000000	.0484910	-.0007747
42.26	.0833482	.3919183	19.4237600	.0000000	.0475970	-.0007801
44.27	.0828909	.3730416	18.2860000	.0000000	.0466222	-.0007828
46.28	.0824312	.3541320	17.1726900	.0000000	.0455719	-.0007829
48.30	.0819689	.3352520	16.0856100	.0000000	.0444511	-.0007804
50.31	.0815040	.3164619	15.0263900	.0000000	.0432649	-.0007755
52.32	.0810366	.2978195	13.9965600	.0000000	.0420181	-.0007682
54.33	.0805666	.2793801	12.9975200	.0000000	.0407158	-.0007587
56.35	.0800940	.2611966	12.0305500	.0000000	.0393625	-.0007470
58.36	.0796188	.2433198	11.0968300	.0000000	.0379629	-.0007333
60.37	.0791409	.2257980	10.1974200	.0000000	.0365215	-.0007176
62.38	.0786604	.2086770	9.3332810	.0000000	.0350428	-.0007001
64.40	.0781773	.1920006	8.5052520	.0000000	.0335311	-.0006808
66.41	.0776914	.1758104	7.7140850	.0000000	.0319905	-.0006598
68.42	.0772029	.1601455	6.9604260	.0000000	.0304252	-.0006373
70.43	.0767117	.1450431	6.2448270	.0000000	.0288391	-.0006133
72.44	.0762178	.1305383	5.5677420	.0000000	.0272360	-.0005878
74.46	.0757212	.1166639	4.9295360	.0000000	.0256196	-.0005611
76.47	.0752218	.1034509	4.3304860	.0000000	.0239936	-.0005331
78.48	.0747197	.0909283	3.7707830	.0000000	.0223614	-.0005039
80.49	.0742148	.0791232	3.2505380	.0000000	.0207262	-.0004737
82.51	.0737071	.0680607	2.7697830	.0000000	.0190913	-.0004424
84.52	.0731966	.0577643	2.3284750	.0000000	.0174596	-.0004102
86.53	.0726833	.0482558	1.9264990	.0000000	.0158341	-.0003772
88.54	.0721672	.0395552	1.5636750	.0000000	.0142174	-.0003433
90.56	.0716482	.0316810	1.2397580	.0000000	.0126122	-.0003087
92.57	.0711264	.0246504	.9544419	.0000000	.0110208	-.0002735
94.58	.0706017	.0184788	.7073663	.0000000	.0094454	-.0002376
96.59	.0700741	.0131807	.4981182	.0000000	.0078882	-.0002011
98.60	.0695437	.0087691	.3262368	.0000000	.0063509	-.0001642

*** Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 200 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
100.62	.0690103	.0052561	.1912186	.0000000	.0048353	-.0001267
102.63	.0684773	.0026397	.0920588	.0000000	.0034004	-.0000904
104.64	.0679478	.0008535	.0254118	.0000000	.0021617	-.0000585
106.65	.0674220	-.0002394	-.0145126	.0000000	.0011926	-.0000332
108.67	.0668995	-.0008052	-.0344130	.0000000	.0005001	-.0000148
110.68	.0663805	-.0010055	-.0406372	.0000000	.0000524	-.0000027
112.69	.0658648	-.0009782	-.0385126	.0000000	-.0002004	.0000043
114.70	.0653523	-.0008297	-.0320978	.0000000	-.0003117	.0000075
116.72	.0648430	-.0006351	-.0242081	.0000000	-.0003300	.0000083
118.73	.0643368	-.0004420	-.0165927	.0000000	-.0002947	.0000075
120.74	.0638337	-.0002763	-.0101749	.0000000	-.0002348	.0000061
122.75	.0633335	-.0001485	-.0052966	.0000000	-.0001696	.0000045
124.77	.0628363	-.0000589	-.0019321	.0000000	-.0001107	.0000030
126.78	.0623419	-.0000026	.0001425	.0000000	-.0000633	.0000017
128.79	.0618502	.0000278	.0012291	.0000000	-.0000288	.0000008
130.80	.0613613	.0000400	.0016303	.0000000	-.0000062	.0000002
132.81	.0608749	.0000406	.0016069	.0000000	.0000068	-.0000001
134.83	.0603912	.0000351	.0013599	.0000000	.0000127	-.0000003
136.84	.0599100	.0000270	.0010297	.0000000	.0000140	-.0000004
138.85	.0594312	.0000187	.0007034	.0000000	.0000127	-.0000003
140.86	.0589548	.0000116	.0004273	.0000000	.0000101	-.0000003
142.88	.0584806	.0000061	.0002188	.0000000	.0000072	-.0000002
144.89	.0580088	.0000024	.0000771	.0000000	.0000046	-.0000001
146.90	.0575391	.0000000	-.0000079	.0000000	.0000025	-.0000001
148.91	.0570715	-.0000011	-.0000501	.0000000	.0000011	.0000000
150.93	.0566060	-.0000016	-.0000633	.0000000	.0000001	.0000000
152.94	.0561428	-.0000015	-.0000594	.0000000	-.0000004	.0000000
154.95	.0556820	-.0000012	-.0000471	.0000000	-.0000006	.0000000
156.96	.0552236	-.0000008	-.0000319	.0000000	-.0000006	.0000000
158.98	.0547676	-.0000004	-.0000164	.0000000	-.0000006	.0000000
160.99	.0543139	-.0000001	-.0000014	.0000000	-.0000006	.0000000

*** Pile Head Load And Deformation Report For Pile Joint 112 Load Case No. 4 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	-1060.654	-229.106	-239.489
	Moment (In-Kips)	-.006	47462.630	-44282.810
Calculated Displacements:	Translational (In)	-.3001	-29.0592	-30.0891
	Rotational (Rad)	-.00614	-.03238	.03160

*** Pile Detail Report For Pile Joint 112 Load Case No. 4 ***

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
.00	41.83	Z25	1059.9	0.	330.6	Z26	64913.	-133	42.00	1.75	36.0	4.79	30.36	.11	.56	.67
2.00	40.73	Z26	1056.9	0.	328.8	Z26	58145.	-132	42.00	1.75	36.0	4.78	27.20	.11	.50	.61
4.00	39.61	Z26	1054.0	0.	326.8	Z26	51445.	-132	42.00	1.75	36.0	4.76	24.06	.11	.45	.56
6.00	38.46	Z26	1051.0	0.	324.6	Z26	44814.	-132	42.00	1.75	36.0	4.75	20.96	.11	.39	.50
8.00	37.29	Z26	1048.0	0.	322.2	Z26	38253.	-132	42.00	1.75	36.0	4.74	17.89	.11	.33	.44
10.00	36.10	Z26	1045.1	0.	319.7	Z26	31763.	-132	42.00	1.75	36.0	4.72	14.86	.11	.28	.38
12.00	34.91	Z26	1042.2	0.	317.1	Z26	25345.	-132	42.00	1.75	36.0	4.71	11.85	.11	.22	.33
14.00	33.70	Z26	1039.3	0.	314.2	Z26	19000.	-131	42.00	1.75	36.0	4.70	8.89	.11	.16	.27
16.00	32.48	Z26	1036.4	0.	311.3	Z26	12731.	-130	42.00	1.75	36.0	4.68	5.95	.11	.11	.22
18.00	31.25	Z26	1033.5	0.	308.2	Z26	6548.	-127	42.00	1.75	36.0	4.67	3.06	.11	.06	.16
20.00	30.03	Z26	1030.6	0.	304.9	Z26	801.	-72	42.00	1.75	36.0	4.66	.37	.11	.01	.11
22.00	28.80	Z26	1027.7	0.	301.6	Z26	5714.	39	42.00	1.75	36.0	4.64	2.67	.11	.05	.16
24.00	27.57	Z26	1024.8	0.	298.1	Z26	11670.	42	42.00	1.75	36.0	4.63	5.46	.11	.10	.21
26.00	26.35	Z26	1022.0	0.	294.5	Z26	17566.	44	42.00	1.75	36.0	4.62	8.22	.11	.15	.26
28.00	25.14	Z26	1019.1	0.	290.7	Z26	23391.	44	42.00	1.75	36.0	4.61	10.94	.11	.20	.31
30.00	23.94	Z26	1016.3	0.	286.9	Z26	29141.	44	42.00	1.75	36.0	4.59	13.63	.11	.25	.36
32.00	22.75	Z26	1013.5	0.	283.0	Z26	34818.	45	42.00	1.75	36.0	4.58	16.29	.11	.30	.41
34.00	21.58	Z26	1007.9	0.	272.0	Z26	40420.	45	42.00	1.75	36.0	4.55	18.91	.11	.35	.46
36.00	20.42	Z26	999.7	0.	254.3	Z26	45783.	45	42.00	1.75	36.0	4.52	21.41	.10	.40	.50
38.00	19.29	Z26	991.5	0.	237.0	Z26	50751.	45	42.00	1.75	36.0	4.48	23.74	.10	.44	.54
40.00	18.18	Z26	983.4	0.	219.9	Z26	55334.	45	42.00	1.75	36.0	4.44	25.88	.10	.48	.58
42.00	17.09	Z26	975.4	0.	203.3	Z26	59542.	45	42.00	1.75	36.0	4.41	27.85	.10	.52	.62
44.00	16.03	Z26	967.4	0.	187.0	Z26	63384.	45	42.00	1.75	36.0	4.37	29.65	.10	.55	.65
46.00	14.99	Z26	959.6	0.	171.0	Z26	66871.	45	42.00	1.75	36.0	4.34	31.28	.10	.58	.68
48.00	13.99	Z26	951.8	0.	155.4	Z26	70011.	45	42.00	1.75	36.0	4.30	32.75	.10	.61	.71
50.00	13.01	Z26	944.1	0.	140.2	Z26	72814.	45	42.00	1.75	36.0	4.27	34.06	.10	.63	.73
52.00	12.07	Z26	936.4	0.	125.4	Z26	75290.	45	42.00	1.75	36.0	4.23	35.22	.10	.65	.75
54.00	11.16	Z26	928.9	0.	110.9	Z26	77449.	45	42.00	1.75	36.0	4.20	36.23	.10	.67	.77
56.00	10.29	Z26	921.4	0.	96.9	Z26	79299.	45	42.00	1.75	36.0	4.16	37.09	.10	.69	.78
58.00	9.45	Z26	914.0	0.	83.2	Z26	80851.	45	42.00	1.75	36.0	4.13	37.82	.10	.70	.80
60.00	8.65	Z26	906.6	0.	69.9	Z26	82113.	45	42.00	1.75	36.0	4.10	38.41	.09	.71	.81
62.00	7.88	Z26	899.4	0.	57.0	Z26	83096.	45	42.00	1.75	36.0	4.06	38.87	.09	.72	.81
64.00	7.15	Z26	892.2	0.	44.6	Z27	83808.	45	42.00	1.75	36.0	4.03	39.20	.09	.73	.82
66.00	6.46	Z26	885.0	0.	32.6	Z27	84260.	46	42.00	1.75	36.0	4.00	39.41	.09	.73	.82
68.00	5.80	Z26	878.0	0.	21.0	Z28	84461.	46	42.00	1.75	36.0	3.97	39.51	.09	.73	.82
70.00	5.19	Z26	871.0	0.	9.8	Z30	84421.	46	42.00	1.75	36.0	3.94	39.49	.09	.73	.82
72.00	4.61	Z26	864.1	0.	1.2	5	84150.	46	42.00	1.75	36.0	3.90	39.36	.09	.73	.82
74.00	4.06	Z26	857.2	0.	11.3	42	83657.	46	42.00	1.75	36.0	3.87	39.13	.09	.72	.81
76.00	3.56	Z26	850.4	0.	21.0	44	82953.	46	42.00	1.75	36.0	3.84	38.80	.09	.72	.81
78.00	3.09	Z26	843.7	0.	30.3	44	82049.	46	42.00	1.75	36.0	3.81	38.38	.09	.71	.80
80.00	2.65	Z26	837.0	0.	39.2	45	80955.	46	42.00	1.75	36.0	3.78	37.87	.09	.70	.79
82.00	2.25	Z26	830.5	0.	47.6	45	79682.	46	42.00	1.75	36.0	3.75	37.27	.09	.69	.78
84.00	1.89	Z26	823.9	0.	55.6	45	78237.	46	42.00	1.75	36.0	3.72	36.59	.09	.68	.76
86.00	1.56	Z26	817.5	0.	63.0	45	76633.	46	42.00	1.75	36.0	3.69	35.84	.09	.66	.75
88.00	1.27	Z26	811.1	0.	69.9	45	74881.	46	42.00	1.75	36.0	3.67	35.02	.08	.65	.73
90.00	1.01	Z26	804.8	0.	76.4	45	72991.	46	42.00	1.75	36.0	3.64	34.14	.08	.63	.72
92.00	.78	Z26	798.5	0.	82.3	45	70973.	46	42.00	1.75	36.0	3.61	33.20	.08	.61	.70
94.00	.58	Z26	792.3	0.	87.6	45	68841.	46	42.00	1.75	36.0	3.58	32.20	.08	.60	.68
96.00	.41	Z26	786.2	0.	92.4	45	66605.	46	42.00	1.75	36.0	3.55	31.15	.08	.58	.66
98.00	.28	Z26	780.1	0.	96.6	45	64279.	46	42.00	1.75	36.0	3.53	30.07	.08	.56	.64

*** File Detail Report For Pile Joint 112 Load Case No. 4 ***

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 (KSI)			Axial	Bend.	Total
100.00	.17	226	774.2	0.	99.3	45	61875.	46	42.00	1.75	36.0	3.50	28.94	.08	.54	.62
102.00	.09	226	755.8	0.	402.6	46	59430.	46	42.00	1.75	36.0	3.42	27.80	.08	.51	.59
104.00	.03	226	737.8	0.	512.1	46	49725.	46	42.00	1.75	36.0	3.33	23.26	.08	.43	.51
106.00	.00	45	720.2	0.	499.4	46	37410.	46	42.00	1.75	36.0	3.25	17.50	.08	.32	.40
108.00	.02	46	702.9	0.	421.4	46	25411.	46	42.00	1.75	36.0	3.18	11.89	.07	.22	.29
110.00	.03	46	686.0	0.	318.6	46	15294.	46	42.00	1.75	36.0	3.10	7.15	.07	.13	.20
112.00	.03	46	669.5	0.	217.0	46	7649.	46	42.00	1.75	36.0	3.03	3.58	.07	.07	.14
114.00	.02	46	653.3	0.	130.6	46	2445.	46	42.00	1.75	36.0	2.95	1.14	.07	.02	.09
116.00	.02	46	637.5	0.	65.1	46	687.	-134	42.00	1.75	36.0	2.88	.32	.07	.01	.07
118.00	.01	46	622.0	0.	20.4	46	2246.	-133	42.00	1.75	36.0	2.81	1.05	.07	.02	.08
120.00	.01	46	606.8	0.	6.4	225	2734.	-133	42.00	1.75	36.0	2.74	1.28	.06	.02	.09
122.00	.00	46	591.9	0.	19.7	226	2578.	-133	42.00	1.75	36.0	2.67	1.21	.06	.02	.08
124.00	.00	46	577.4	0.	23.8	226	2103.	-133	42.00	1.75	36.0	2.61	.98	.06	.02	.08
126.00	.00	225	563.1	0.	22.3	226	1532.	-133	42.00	1.75	36.0	2.54	.72	.06	.01	.07
128.00	.00	226	549.1	0.	18.1	226	996.	-133	42.00	1.75	36.0	2.48	.47	.06	.01	.07
130.00	.00	226	535.4	0.	13.1	226	562.	-133	42.00	1.75	36.0	2.42	.26	.06	.00	.06
132.00	.00	226	522.0	0.	8.4	226	248.	-133	42.00	1.75	36.0	2.36	.12	.05	.00	.06
134.00	.00	226	508.9	0.	4.7	226	46.	-133	42.00	1.75	36.0	2.30	.02	.05	.00	.05
136.00	.00	226	496.0	0.	2.0	226	66.	46	42.00	1.75	36.0	2.24	.03	.05	.00	.05
138.00	.00	226	483.4	0.	.3	226	113.	46	42.00	1.75	36.0	2.18	.05	.05	.00	.05
140.00	.00	226	471.0	0.	.7	46	119.	46	42.00	1.75	36.0	2.13	.06	.05	.00	.05
142.00	.00	0	458.9	0.	1.0	46	103.	46	42.00	1.75	36.0	2.07	.05	.05	.00	.05
144.00	.00	0	447.0	0.	1.1	46	78.	46	42.00	1.75	36.0	2.02	.04	.05	.00	.05
146.00	.00	0	435.4	0.	.9	46	53.	46	42.00	1.75	36.0	1.97	.02	.05	.00	.05
148.00	.00	0	424.0	0.	.7	46	31.	46	42.00	1.75	36.0	1.92	.01	.04	.00	.04
150.00	.00	0	412.7	0.	.5	46	15.	46	42.00	1.75	36.0	1.87	.01	.04	.00	.04
152.00	.00	0	401.4	0.	.3	46	3.	46	42.00	1.75	36.0	1.81	.00	.04	.00	.04
154.00	.00	0	390.0	0.	.1	46	3.	-133	42.00	1.75	36.0	1.76	.00	.04	.00	.04
156.00	.00	0	378.7	0.	.0	47	5.	-133	42.00	1.75	36.0	1.71	.00	.04	.00	.04
158.00	.00	0	367.7	0.	.0	226	6.	-133	42.00	1.75	36.0	1.66	.00	.04	.00	.04
160.00	.00	0	356.9	0.	.1	226	5.	-133	42.00	1.75	36.0	1.61	.00	.04	.00	.04
162.00	.00	0	346.3	0.	.1	226	3.	-133	42.00	1.75	36.0	1.56	.00	.04	.00	.04
164.00	.00	0	335.9	0.	.0	226	2.	-133	42.00	1.75	36.0	1.52	.00	.04	.00	.04
166.00	.00	0	325.6	0.	.0	226	1.	-133	42.00	1.75	36.0	1.47	.00	.03	.00	.03
168.00	.00	0	315.6	0.	.0	226	0.	-133	42.00	1.75	36.0	1.43	.00	.03	.00	.03
170.00	.00	0	305.8	0.	.0	226	0.	45	42.00	1.50	36.0	1.60	.00	.04	.00	.04
172.00	.00	0	296.3	0.	.0	226	0.	46	42.00	1.50	36.0	1.55	.00	.04	.00	.04
174.00	.00	0	287.0	0.	.0	46	0.	46	42.00	1.50	36.0	1.50	.00	.03	.00	.03
176.00	.00	0	277.9	0.	.0	46	0.	46	42.00	1.50	36.0	1.46	.00	.03	.00	.03
178.00	.00	0	269.0	0.	.0	46	0.	46	42.00	1.50	36.0	1.41	.00	.03	.00	.03
180.00	.00	0	260.3	0.	.0	46	0.	46	42.00	1.25	36.0	1.63	.00	.04	.00	.04
182.00	.00	0	252.0	0.	.0	46	0.	46	42.00	1.25	36.0	1.57	.00	.04	.00	.04
184.00	.00	0	243.8	0.	.0	46	0.	46	42.00	1.25	36.0	1.52	.00	.04	.00	.04
186.00	.00	0	235.9	0.	.0	46	0.	-134	42.00	1.25	36.0	1.47	.00	.03	.00	.03
188.00	.00	0	228.1	0.	.0	0	0.	-133	42.00	1.25	36.0	1.43	.00	.03	.00	.03
190.00	.00	0	220.6	0.	.0	0	0.	-133	42.00	1.00	36.0	1.71	.00	.04	.00	.04
192.00	.00	0	213.4	0.	.0	0	0.	-133	42.00	1.00	36.0	1.66	.00	.04	.00	.04
194.00	.00	0	206.5	0.	.0	0	0.	-133	42.00	1.00	36.0	1.60	.00	.04	.00	.04
196.00	.00	0	199.7	0.	.0	0	0.	-133	42.00	1.00	36.0	1.55	.00	.04	.00	.04
198.00	.00	0	193.1	0.	.0	0	0.	-133	42.00	1.00	36.0	1.50	.00	.03	.00	.03

*** Pile Detail Report For Pile Joint 112 Load Case No. 4 ***

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	186.7	0.	.0	0	0.	-90	42.00	1.00	36.0	1.45	.00	.03	.00	.03
202.00	.00	0	180.5	0.	.0	0	0.	46	42.00	1.00	36.0	1.40	.00	.03	.00	.03
204.00	.00	0	174.4	0.	.0	0	0.	46	42.00	1.00	36.0	1.35	.00	.03	.00	.03
206.00	.00	0	168.5	0.	.0	0	0.	46	42.00	1.00	36.0	1.31	.00	.03	.00	.03
208.00	.00	0	162.8	0.	.0	0	0.	46	42.00	1.00	36.0	1.26	.00	.03	.00	.03
210.00	.00	0	157.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.22	.00	.03	.00	.03
212.00	.00	0	151.8	0.	.0	0	0.	-90	42.00	1.00	36.0	1.18	.00	.03	.00	.03
214.00	.00	0	144.8	0.	.0	0	0.	-90	42.00	1.00	36.0	1.12	.00	.03	.00	.03
216.00	.00	0	138.0	0.	.0	0	0.	-90	42.00	1.00	36.0	1.07	.00	.02	.00	.02
218.00	.00	0	131.3	0.	.0	0	0.	-90	42.00	1.00	36.0	1.02	.00	.02	.00	.02
220.00	.00	0	124.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.97	.00	.02	.00	.02
222.00	.00	0	118.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.92	.00	.02	.00	.02
224.00	.00	0	112.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.87	.00	.02	.00	.02
226.00	.00	0	106.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.83	.00	.02	.00	.02
228.00	.00	0	100.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.78	.00	.02	.00	.02
230.00	.00	0	94.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.74	.00	.02	.00	.02
232.00	.00	0	89.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.69	.00	.02	.00	.02
234.00	.00	0	83.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.65	.00	.02	.00	.02
236.00	.00	0	78.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.61	.00	.01	.00	.01
238.00	.00	0	73.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.57	.00	.01	.00	.01
240.00	.00	0	67.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.53	.00	.01	.00	.01
242.00	.00	0	62.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.49	.00	.01	.00	.01
244.00	.00	0	57.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.45	.00	.01	.00	.01
246.00	.00	0	53.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.41	.00	.01	.00	.01
248.00	.00	0	48.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.37	.00	.01	.00	.01
250.00	.00	0	43.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.34	.00	.01	.00	.01
252.00	.00	0	38.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.30	.00	.01	.00	.01
254.00	.00	0	34.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.26	.00	.01	.00	.01
256.00	.00	0	29.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.23	.00	.01	.00	.01
258.00	.00	0	24.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.19	.00	.00	.00	.00
260.00	.00	0	20.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.16	.00	.00	.00	.00
262.00	.00	0	15.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.12	.00	.00	.00	.00
264.00	.00	0	11.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
266.00	.00	0	6.7	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 Segment Deflection Report in Pile Coordinate System For Pile Joint 112 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
.00	-.3001439	-29.0592400	-30.0891000	-.0061372	-.0323807	.0315973
2.00	-.2961800	-28.2914500	-29.3018200	-.0061372	-.0332105	.0323705
4.00	-.2922272	-27.5061400	-28.4957100	-.0061372	-.0339504	.0330581
6.00	-.2882855	-26.7053400	-27.6729200	-.0061372	-.0346013	.0336608
8.00	-.2843549	-25.8910900	-26.8355600	-.0061372	-.0351643	.0341797
10.00	-.2804353	-25.0653800	-25.9857300	-.0061372	-.0356401	.0346155
12.00	-.2765267	-24.2302000	-25.1255200	-.0061372	-.0360299	.0349692
14.00	-.2726290	-23.3875100	-24.2569800	-.0061372	-.0363345	.0352417
16.00	-.2687423	-22.5392400	-23.3821400	-.0061372	-.0365549	.0354339
18.00	-.2648664	-21.6873100	-22.5030100	-.0061372	-.0366920	.0355468
20.00	-.2610013	-20.8336200	-21.6215800	-.0061372	-.0367470	.0355812
22.00	-.2571471	-19.9800300	-20.7398000	-.0061372	-.0367207	.0355382
24.00	-.2533036	-19.1284000	-19.8596300	-.0061372	-.0366141	.0354187
26.00	-.2494708	-18.2805400	-18.9829600	-.0061372	-.0364283	.0352236
28.00	-.2456487	-17.4382600	-18.1117000	-.0061372	-.0361642	.0349539
30.00	-.2418372	-16.6033400	-17.2477000	-.0061372	-.0358228	.0346105
32.00	-.2380364	-15.7775400	-16.3928100	-.0061372	-.0354052	.0341944
34.00	-.2342460	-14.9625900	-15.5488500	-.0061372	-.0349124	.0337066
36.00	-.2304765	-14.1601800	-14.7176000	-.0061372	-.0343464	.0331491
38.00	-.2267379	-13.3719600	-13.9007700	-.0061372	-.0337114	.0325259
40.00	-.2230298	-12.5994300	-13.0999600	-.0061372	-.0330127	.0318419
42.00	-.2193520	-11.8439900	-12.3166300	-.0061372	-.0322553	.0311022
44.00	-.2157042	-11.1069300	-11.5521400	-.0061372	-.0314441	.0303113
46.00	-.2120861	-10.3894200	-10.8077100	-.0061372	-.0305839	.0294739
48.00	-.2084974	-9.6925200	-10.0844700	-.0061372	-.0296793	.0285945
50.00	-.2049378	-9.0171870	-9.3834210	-.0061372	-.0287350	.0276774
52.00	-.2014070	-8.3642740	-8.7054710	-.0061372	-.0277553	.0267268
54.00	-.1979048	-7.7345330	-8.0514140	-.0061372	-.0267446	.0257470
56.00	-.1944309	-7.1286200	-7.4219470	-.0061372	-.0257069	.0247419
58.00	-.1909850	-6.5470950	-6.8176660	-.0061372	-.0246464	.0237153
60.00	-.1875668	-5.9904280	-6.2390730	-.0061372	-.0235668	.0226710
62.00	-.1841761	-5.4590010	-5.6865780	-.0061372	-.0224721	.0216126
64.00	-.1808126	-4.9531070	-5.1605020	-.0061372	-.0213659	.0205437
66.00	-.1774760	-4.4729590	-4.6610780	-.0061372	-.0202517	.0194677
68.00	-.1741661	-4.0186900	-4.1884580	-.0061372	-.0191329	.0183877
70.00	-.1708826	-3.5903550	-3.7427120	-.0061372	-.0180127	.0173070
72.00	-.1676252	-3.1879370	-3.3238330	-.0061372	-.0168944	.0162285
74.00	-.1643937	-2.8113470	-2.9317420	-.0061372	-.0157809	.0151551
76.00	-.1611879	-2.4604280	-2.5662880	-.0061372	-.0146751	.0140896
78.00	-.1580074	-2.1349600	-2.2272520	-.0061372	-.0135798	.0130347
80.00	-.1548520	-1.8346590	-1.9143530	-.0061372	-.0124975	.0119927
82.00	-.1517216	-1.5591850	-1.6272480	-.0061372	-.0114307	.0109662
84.00	-.1486157	-1.3081430	-1.3653360	-.0061372	-.0103818	.0099571
86.00	-.1455343	-1.0810850	-1.1287620	-.0061372	-.0093529	.0089678
88.00	-.1424769	-.8775136	-.9164213	-.0061372	-.0083461	.0080002
90.00	-.1394435	-.6968878	-.7279598	-.0061372	-.0073632	.0070560
92.00	-.1364337	-.5386232	-.5627803	-.0061372	-.0064062	.0061370
94.00	-.1334473	-.4020967	-.4202450	-.0061372	-.0054765	.0052447
96.00	-.1304842	-.2866504	-.2996792	-.0061372	-.0045756	.0043806
98.00	-.1275439	-.1915944	-.2003753	-.0061372	-.0037048	.0035457

*** Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 112 Load Case No. 4 ***

Dist. Along Pile (Ft)	----- Deflections (In) -----			----- Rotations (Rad) -----		
	X	Y	Z	X	Y	Z
100.00	-.1246263	-.1162116	-.1215967	-.0061372	-.0028653	.0027413
102.00	-.1217310	-.0597619	-.0625832	-.0061372	-.0020578	.0019681
104.00	-.1189045	-.0211234	-.0221744	-.0061372	-.0013311	.0012725
106.00	-.1161454	.0024393	.0024800	-.0061372	-.0007508	.0007173
108.00	-.1134521	.0145460	.0151582	-.0061372	-.0003324	.0003171
110.00	-.1108233	.0187877	.0196110	-.0061372	-.0000612	.0000579
112.00	-.1082576	.0182286	.0190408	-.0061372	.0000917	-.0000882
114.00	-.1057538	.0152083	.0158931	-.0061372	.0001590	-.0001524
116.00	-.1033104	.0113366	.0118516	-.0061372	.0001708	-.0001636
118.00	-.1009263	.0075962	.0079444	-.0061372	.0001513	-.0001448
120.00	-.0986001	.0044891	.0046973	-.0061372	.0001182	-.0001131
122.00	-.0963308	.0021858	.0022893	-.0061372	.0000828	-.0000792
124.00	-.0941171	.0006549	.0006882	-.0061372	.0000517	-.0000494
126.00	-.0919578	-.0002377	-.0002459	-.0061372	.0000274	-.0000262
128.00	-.0898519	-.0006601	-.0006884	-.0061372	.0000106	-.0000101
130.00	-.0877983	-.0007729	-.0008070	-.0061372	.0000002	-.0000002
132.00	-.0857958	-.0007078	-.0007395	-.0061372	-.0000052	.0000050
134.00	-.0838434	-.0005613	-.0005867	-.0061372	-.0000071	.0000068
136.00	-.0819402	-.0003963	-.0004144	-.0061372	-.0000070	.0000067
138.00	-.0800852	-.0002482	-.0002596	-.0061372	-.0000058	-.0000055
140.00	-.0782773	-.0001327	-.0001389	-.0061372	-.0000043	.0000041
142.00	-.0765157	-.0000525	-.0000551	-.0061372	-.0000028	.0000026
144.00	-.0747994	-.0000035	-.0000038	-.0061372	-.0000016	.0000015
146.00	-.0731276	.00000215	.0000224	-.0061372	-.0000007	.0000007
148.00	-.0714993	.0000301	.0000315	-.0061372	-.0000001	.0000001
150.00	-.0699137	.0000290	.0000303	-.0061372	.0000002	-.0000002
152.00	-.0683701	.0000232	.0000242	-.0061372	.0000003	-.0000003
154.00	-.0668688	.0000160	.0000168	-.0061372	.0000003	-.0000003
156.00	-.0654104	.0000096	.0000101	-.0061372	.0000002	-.0000002
158.00	-.0639940	.0000047	.0000050	-.0061372	.0000002	-.0000002
160.00	-.0626187	.0000015	.0000016	-.0061372	.0000001	-.0000001
162.00	-.0612840	-.0000003	-.0000003	-.0061372	.0000001	-.0000001
164.00	-.0599890	-.0000011	-.0000011	-.0061372	.0000000	.0000000
166.00	-.0587329	-.0000013	-.0000013	-.0061372	.0000000	.0000000
168.00	-.0575152	-.0000011	-.0000011	-.0061372	.0000000	.0000000
170.00	-.0563350	-.0000008	-.0000008	-.0061372	.0000000	.0000000
172.00	-.0550091	-.0000005	-.0000005	-.0061372	.0000000	.0000000
174.00	-.0537243	-.0000003	-.0000003	-.0061372	.0000000	.0000000
176.00	-.0524798	-.0000001	-.0000001	-.0061372	.0000000	.0000000
178.00	-.0512747	.0000000	.0000000	-.0061372	.0000000	.0000000
180.00	-.0501083	.0000000	.0000000	-.0061372	.0000000	.0000000
182.00	-.0487620	.0000001	.0000001	-.0061372	.0000000	.0000000
184.00	-.0474588	.0000000	.0000000	-.0061372	.0000000	.0000000
186.00	-.0461977	.0000000	.0000000	-.0061372	.0000000	.0000000
188.00	-.0449778	.0000000	.0000000	-.0061372	.0000000	.0000000
190.00	-.0437980	.0000000	.0000000	-.0061372	.0000000	.0000000
192.00	-.0423806	.0000000	.0000000	-.0061372	.0000000	.0000000
194.00	-.0410092	.0000000	.0000000	-.0061372	.0000000	.0000000
196.00	-.0396827	.0000000	.0000000	-.0061372	.0000000	.0000000
198.00	-.0383997	.0000000	.0000000	-.0061372	.0000000	.0000000

* * * Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 112 Load Case No. 4 * * *

Dist. Along Pile (Ft)	/----- Deflections (In) -----/			/----- Rotations (Rad) -----/		
	X	Y	Z	X	Y	Z
200.00	-.0371590	.0000000	.0000000	-.0061372	.0000000	.0000000
202.00	-.0359595	.0000000	.0000000	-.0061372	.0000000	.0000000
204.00	-.0347999	.0000000	.0000000	-.0061372	.0000000	.0000000
206.00	-.0336792	.0000000	.0000000	-.0061372	.0000000	.0000000
208.00	-.0325964	.0000000	.0000000	-.0061372	.0000000	.0000000
210.00	-.0315503	.0000000	.0000000	-.0061372	.0000000	.0000000
212.00	-.0305400	.0000000	.0000000	-.0061372	.0000000	.0000000
214.00	-.0295645	.0000000	.0000000	-.0061372	.0000000	.0000000
216.00	-.0286342	.0000000	.0000000	-.0061372	.0000000	.0000000
218.00	-.0277477	.0000000	.0000000	-.0061372	.0000000	.0000000
220.00	-.0269041	.0000000	.0000000	-.0061372	.0000000	.0000000
222.00	-.0261020	.0000000	.0000000	-.0061372	.0000000	.0000000
224.00	-.0253404	.0000000	.0000000	-.0061372	.0000000	.0000000
226.00	-.0246184	.0000000	.0000000	-.0061372	.0000000	.0000000
228.00	-.0239349	.0000000	.0000000	-.0061372	.0000000	.0000000
230.00	-.0232891	.0000000	.0000000	-.0061372	.0000000	.0000000
232.00	-.0226800	.0000000	.0000000	-.0061372	.0000000	.0000000
234.00	-.0221069	.0000000	.0000000	-.0061372	.0000000	.0000000
236.00	-.0215690	.0000000	.0000000	-.0061372	.0000000	.0000000
238.00	-.0210655	.0000000	.0000000	-.0061372	.0000000	.0000000
240.00	-.0205958	.0000000	.0000000	-.0061372	.0000000	.0000000
242.00	-.0201594	.0000000	.0000000	-.0061372	.0000000	.0000000
244.00	-.0197555	.0000000	.0000000	-.0061372	.0000000	.0000000
246.00	-.0193836	.0000000	.0000000	-.0061372	.0000000	.0000000
248.00	-.0190433	.0000000	.0000000	-.0061372	.0000000	.0000000
250.00	-.0187341	.0000000	.0000000	-.0061372	.0000000	.0000000
252.00	-.0184556	.0000000	.0000000	-.0061372	.0000000	.0000000
254.00	-.0182074	.0000000	.0000000	-.0061372	.0000000	.0000000
256.00	-.0179891	.0000000	.0000000	-.0061372	.0000000	.0000000
258.00	-.0178006	.0000000	.0000000	-.0061372	.0000000	.0000000
260.00	-.0176414	.0000000	.0000000	-.0061372	.0000000	.0000000
262.00	-.0175115	.0000000	.0000000	-.0061372	.0000000	.0000000
264.00	-.0174107	.0000000	.0000000	-.0061372	.0000000	.0000000
266.00	-.0173387	.0000000	.0000000	-.0061372	.0000000	.0000000
268.00	-.0172956	.0000000	.0000000	-.0061372	.0000000	.0000000

*** Pile Head Load And Deformation Report For Pile Joint 122 Load Case No. 4 ***

		Allowable Modifier	2.000		
			X	Y	Z
Specified Springs:	Translational (Kips/in)				
	Rotational (In-Kips/Rad)		1.00		
Calculated Loads:	Force (Kips)		-1104.072	7.637	-353.866
	Moment (In-Kips)		-.003	73429.580	2596.865
Calculated Displacements:	Translational (In)		-.3130	.7022	-44.0467
	Rotational (Rad)		-.00312	-.04631	-.00044

*** Pile Detail Report For Pile Joint 12Z Load Case No. 4 ***

Dist. 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 (KSI)			Axial	Bend. Total	
.00	44.05	-89	1103.3	0.	353.1	-88	73475.	-87	42.00	1.75	36.0	4.99	34.37	.12	.64	.75
2.00	42.93	-89	1100.3	0.	351.2	-88	66245.	-87	42.00	1.75	36.0	4.97	30.99	.12	.57	.69
4.00	41.77	-89	1097.3	0.	349.2	-88	59089.	-87	42.00	1.75	36.0	4.96	27.64	.11	.51	.63
6.00	40.59	-89	1094.3	0.	347.0	-88	52008.	-87	42.00	1.75	36.0	4.95	24.33	.11	.45	.56
8.00	39.38	-89	1091.3	0.	344.6	-88	45001.	-87	42.00	1.75	36.0	4.93	21.05	.11	.39	.50
10.00	38.15	-89	1088.3	0.	342.0	-88	38070.	-87	42.00	1.75	36.0	4.92	17.81	.11	.33	.44
12.00	36.91	-89	1085.4	0.	339.3	-88	31216.	-87	42.00	1.75	36.0	4.90	14.60	.11	.27	.38
14.00	35.66	-89	1082.4	0.	336.4	-88	24440.	-86	42.00	1.75	36.0	4.89	11.43	.11	.21	.32
16.00	34.39	-89	1079.5	0.	333.4	-88	17743.	-85	42.00	1.75	36.0	4.88	8.30	.11	.15	.27
18.00	33.11	-89	1076.6	0.	330.3	-88	11130.	-84	42.00	1.75	36.0	4.87	5.21	.11	.10	.21
20.00	31.83	-89	1073.7	0.	327.0	-88	4629.	-77	42.00	1.75	36.0	4.85	2.17	.11	.04	.15
22.00	30.55	-89	1070.7	0.	323.5	-88	2109.	67	42.00	1.75	36.0	4.84	.99	.11	.02	.13
24.00	29.27	-88	1067.9	0.	320.0	-88	8361.	85	42.00	1.75	36.0	4.83	3.91	.11	.07	.18
26.00	27.99	-88	1065.0	0.	316.3	-88	14656.	87	42.00	1.75	36.0	4.81	6.86	.11	.13	.24
28.00	26.72	-88	1062.1	0.	312.5	-88	20886.	88	42.00	1.75	36.0	4.80	9.77	.11	.18	.29
30.00	25.46	-88	1059.2	0.	308.6	-88	27041.	89	42.00	1.75	36.0	4.79	12.65	.11	.23	.35
32.00	24.21	-88	1056.4	0.	304.6	-88	33121.	89	42.00	1.75	36.0	4.77	15.49	.11	.29	.40
34.00	22.98	-88	1050.7	0.	293.4	-88	39124.	90	42.00	1.75	36.0	4.75	18.30	.11	.34	.45
36.00	21.76	-88	1042.3	0.	275.3	-88	44884.	90	42.00	1.75	36.0	4.71	20.99	.11	.39	.50
38.00	20.56	-88	1033.9	0.	257.6	-88	50242.	90	42.00	1.75	36.0	4.67	23.50	.11	.44	.54
40.00	19.39	-88	1025.6	0.	240.2	-88	55207.	90	42.00	1.75	36.0	4.63	25.82	.11	.48	.59
42.00	18.24	-88	1017.4	0.	223.2	-88	59791.	90	42.00	1.75	36.0	4.60	27.97	.11	.52	.62
44.00	17.11	-88	1009.2	0.	206.5	-88	64001.	90	42.00	1.75	36.0	4.56	29.94	.11	.55	.66
46.00	16.01	-88	1001.2	0.	190.2	-88	67850.	90	42.00	1.75	36.0	4.52	31.74	.10	.59	.69
48.00	14.95	-88	993.2	0.	174.2	-88	71345.	90	42.00	1.75	36.0	4.49	33.37	.10	.62	.72
50.00	13.91	-88	985.3	0.	158.7	-88	74499.	90	42.00	1.75	36.0	4.45	34.85	.10	.65	.75
52.00	12.91	-88	977.5	0.	143.5	-88	77319.	90	42.00	1.75	36.0	4.42	36.17	.10	.67	.77
54.00	11.94	-88	969.7	0.	128.7	-88	79817.	90	42.00	1.75	36.0	4.38	37.33	.10	.69	.79
56.00	11.01	-88	962.1	0.	114.3	-88	82002.	90	42.00	1.75	36.0	4.35	38.36	.10	.71	.81
58.00	10.11	-88	954.5	0.	100.4	-88	83883.	90	42.00	1.75	36.0	4.31	39.24	.10	.73	.83
60.00	9.25	-88	946.9	0.	86.8	-88	85471.	90	42.00	1.75	36.0	4.28	39.98	.10	.74	.84
62.00	8.43	-88	939.5	0.	73.6	-88	86776.	90	42.00	1.75	36.0	4.25	40.59	.10	.75	.85
64.00	7.65	-88	932.1	0.	60.9	-87	87806.	90	42.00	1.75	36.0	4.21	41.07	.10	.76	.86
66.00	6.91	-88	924.9	0.	48.6	-87	88573.	90	42.00	1.75	36.0	4.18	41.43	.10	.77	.86
68.00	6.20	-88	917.6	0.	36.7	-87	89087.	90	42.00	1.75	36.0	4.15	41.67	.10	.77	.87
70.00	5.53	-88	910.5	0.	25.3	-86	89356.	90	42.00	1.75	36.0	4.11	41.80	.10	.77	.87
72.00	4.91	-88	903.4	0.	14.4	-84	89393.	90	42.00	1.75	36.0	4.08	41.81	.09	.77	.87
74.00	4.32	-88	896.4	0.	3.9	-74	89206.	90	42.00	1.75	36.0	4.05	41.73	.09	.77	.87
76.00	3.77	-88	889.5	0.	6.3	82	88807.	91	42.00	1.75	36.0	4.02	41.54	.09	.77	.86
78.00	3.27	-88	882.6	0.	15.7	87	88206.	91	42.00	1.75	36.0	3.99	41.26	.09	.76	.86
80.00	2.80	-88	875.8	0.	24.7	88	87415.	91	42.00	1.75	36.0	3.96	40.89	.09	.76	.85
82.00	2.37	-88	869.1	0.	33.3	89	86445.	91	42.00	1.75	36.0	3.93	40.43	.09	.75	.84
84.00	1.98	-88	862.5	0.	41.4	89	85306.	91	42.00	1.75	36.0	3.90	39.90	.09	.74	.83
86.00	1.62	-88	855.9	0.	48.9	90	84008.	91	42.00	1.75	36.0	3.87	39.29	.09	.73	.82
88.00	1.30	-88	849.3	0.	55.9	90	82564.	91	42.00	1.75	36.0	3.84	38.62	.09	.72	.80
90.00	1.02	-88	842.9	0.	62.4	90	80985.	91	42.00	1.75	36.0	3.81	37.88	.09	.70	.79
92.00	.78	-88	836.5	0.	68.2	90	79282.	91	42.00	1.75	36.0	3.78	37.08	.09	.69	.77
94.00	.57	-88	830.2	0.	73.6	90	77469.	91	42.00	1.75	36.0	3.75	36.24	.09	.67	.76
96.00	.39	-88	823.9	0.	78.3	90	75558.	91	42.00	1.75	36.0	3.72	35.34	.09	.65	.74
98.00	.25	-88	817.8	0.	82.2	90	73562.	91	42.00	1.75	36.0	3.70	34.41	.09	.64	.72

*** Pile Detail Report For Pile Joint 122 Load Case No. 4 ***

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)	Value (In-Kips)	Angle (Deg)	OD (In)			WT	Fy (KSI)	Axial	Bend.	Total
100.00	.14	-88	804.9	0.	330.5	91	71500.	91	42.00	1.75	36.0	3.64	33.44	.08	.62	.70
102.00	.06	-88	785.9	0.	554.6	91	63504.	91	42.00	1.75	36.0	3.55	29.70	.08	.55	.63
104.00	.01	-88	767.2	0.	596.4	91	50154.	91	42.00	1.75	36.0	3.47	23.46	.08	.43	.51
106.00	.02	91	748.9	0.	536.9	91	35771.	91	42.00	1.75	36.0	3.38	16.73	.08	.31	.39
108.00	.03	91	731.0	0.	426.5	91	22876.	91	42.00	1.75	36.0	3.30	10.70	.08	.20	.27
110.00	.03	91	713.4	0.	305.1	91	12639.	91	42.00	1.75	36.0	3.22	5.91	.07	.11	.18
112.00	.03	91	696.3	0.	195.3	91	5319.	91	42.00	1.75	36.0	3.15	2.49	.07	.05	.12
114.00	.02	91	679.5	0.	107.7	91	636.	91	42.00	1.75	36.0	3.07	.30	.07	.01	.08
116.00	.02	91	663.1	0.	44.9	91	1944.	-88	42.00	1.75	36.0	3.00	.91	.07	.02	.09
118.00	.01	91	647.0	0.	4.7	91	3017.	-88	42.00	1.75	36.0	2.92	1.41	.07	.03	.09
120.00	.01	91	631.2	0.	17.3	-88	3127.	-88	42.00	1.75	36.0	2.85	1.46	.07	.03	.09
122.00	.00	90	615.8	0.	26.4	-88	2708.	-88	42.00	1.75	36.0	2.78	1.27	.06	.02	.09
124.00	.00	90	600.7	0.	27.2	-88	2074.	-88	42.00	1.75	36.0	2.71	.97	.06	.02	.08
126.00	.00	-90	585.9	0.	23.4	-88	1421.	-88	42.00	1.75	36.0	2.65	.66	.06	.01	.07
128.00	.00	-90	571.4	0.	17.8	-88	860.	-88	42.00	1.75	36.0	2.58	.40	.06	.01	.07
130.00	.00	-90	557.2	0.	12.1	-88	433.	-88	42.00	1.75	36.0	2.52	.20	.06	.00	.06
132.00	.00	-90	543.3	0.	7.2	-88	144.	-88	42.00	1.75	36.0	2.45	.07	.06	.00	.06
134.00	.00	-90	529.6	0.	3.5	-88	29.	90	42.00	1.75	36.0	2.39	.01	.06	.00	.06
136.00	.00	-90	516.3	0.	1.1	-88	114.	91	42.00	1.75	36.0	2.33	.05	.05	.00	.05
138.00	.00	-90	503.2	0.	.4	90	139.	91	42.00	1.75	36.0	2.27	.07	.05	.00	.05
140.00	.00	-90	490.4	0.	1.1	91	130.	91	42.00	1.75	36.0	2.22	.06	.05	.00	.05
142.00	.00	0	477.8	0.	1.3	91	104.	91	42.00	1.75	36.0	2.16	.05	.05	.00	.05
144.00	.00	0	465.5	0.	1.1	91	74.	91	42.00	1.75	36.0	2.10	.03	.05	.00	.05
146.00	.00	0	453.4	0.	.9	91	46.	91	42.00	1.75	36.0	2.05	.02	.05	.00	.05
148.00	.00	0	441.5	0.	.7	91	24.	91	42.00	1.75	36.0	2.00	.01	.05	.00	.05
150.00	.00	0	429.6	0.	.4	91	9.	91	42.00	1.75	36.0	1.94	.00	.04	.00	.04
152.00	.00	0	417.5	0.	.2	91	1.	-89	42.00	1.75	36.0	1.89	.00	.04	.00	.04
154.00	.00	0	405.6	0.	.0	91	5.	-88	42.00	1.75	36.0	1.83	.00	.04	.00	.04
156.00	.00	0	393.9	0.	.0	-88	7.	-88	42.00	1.75	36.0	1.78	.00	.04	.00	.04
158.00	.00	0	382.5	0.	.1	-88	6.	-88	42.00	1.75	36.0	1.73	.00	.04	.00	.04
160.00	.00	0	371.3	0.	.1	-88	4.	-88	42.00	1.75	36.0	1.68	.00	.04	.00	.04
162.00	.00	0	360.3	0.	.1	-88	3.	-88	42.00	1.75	36.0	1.63	.00	.04	.00	.04
164.00	.00	0	349.5	0.	.0	-88	2.	-88	42.00	1.75	36.0	1.58	.00	.04	.00	.04
166.00	.00	0	338.9	0.	.0	-88	1.	-88	42.00	1.75	36.0	1.53	.00	.04	.00	.04
168.00	.00	0	328.4	0.	.0	-88	0.	-88	42.00	1.75	36.0	1.48	.00	.03	.00	.03
170.00	.00	0	318.3	0.	.0	-90	0.	91	42.00	1.50	36.0	1.67	.00	.04	.00	.04
172.00	.00	0	308.5	0.	.0	90	0.	91	42.00	1.50	36.0	1.62	.00	.04	.00	.04
174.00	.00	0	298.8	0.	.0	90	0.	91	42.00	1.50	36.0	1.57	.00	.04	.00	.04
176.00	.00	0	289.4	0.	.0	90	0.	91	42.00	1.50	36.0	1.52	.00	.04	.00	.04
178.00	.00	0	280.1	0.	.0	90	0.	91	42.00	1.50	36.0	1.47	.00	.03	.00	.03
180.00	.00	0	271.2	0.	.0	90	0.	91	42.00	1.25	36.0	1.69	.00	.04	.00	.04
182.00	.00	0	262.5	0.	.0	90	0.	91	42.00	1.25	36.0	1.64	.00	.04	.00	.04
184.00	.00	0	254.1	0.	.0	90	0.	91	42.00	1.25	36.0	1.59	.00	.04	.00	.04
186.00	.00	0	245.8	0.	.0	90	0.	-88	42.00	1.25	36.0	1.54	.00	.04	.00	.04
188.00	.00	0	237.7	0.	.0	0	0.	-88	42.00	1.25	36.0	1.49	.00	.03	.00	.03
190.00	.00	0	230.0	0.	.0	-90	0.	-88	42.00	1.00	36.0	1.79	.00	.04	.00	.04
192.00	.00	0	222.5	0.	.0	-90	0.	-88	42.00	1.00	36.0	1.73	.00	.04	.00	.04
194.00	.00	0	215.3	0.	.0	0	0.	-88	42.00	1.00	36.0	1.67	.00	.04	.00	.04
196.00	.00	0	208.2	0.	.0	0	0.	-88	42.00	1.00	36.0	1.62	.00	.04	.00	.04
198.00	.00	0	201.4	0.	.0	0	0.	-88	42.00	1.00	36.0	1.56	.00	.04	.00	.04

*** Pile Detail Report For Pile Joint 122 Load Case No. 4 ***

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)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Axial	Bend.	Total
200.00	.00	0	194.7	0.	.0	0	0.	91	42.00	1.00	36.0	1.51	.00	.03	.00	.03
202.00	.00	0	188.3	0.	.0	0	0.	91	42.00	1.00	36.0	1.46	.00	.03	.00	.03
204.00	.00	0	182.0	0.	.0	0	0.	91	42.00	1.00	36.0	1.41	.00	.03	.00	.03
206.00	.00	0	175.9	0.	.0	0	0.	91	42.00	1.00	36.0	1.37	.00	.03	.00	.03
208.00	.00	0	170.0	0.	.0	0	0.	91	42.00	1.00	36.0	1.32	.00	.03	.00	.03
210.00	.00	0	164.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.27	.00	.03	.00	.03
212.00	.00	0	157.6	0.	.0	0	0.	-90	42.00	1.00	36.0	1.22	.00	.03	.00	.03
214.00	.00	0	150.3	0.	.0	0	0.	-90	42.00	1.00	36.0	1.17	.00	.03	.00	.03
216.00	.00	0	143.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.11	.00	.03	.00	.03
218.00	.00	0	136.3	0.	.0	0	0.	-90	42.00	1.00	36.0	1.06	.00	.02	.00	.02
220.00	.00	0	129.6	0.	.0	0	0.	-90	42.00	1.00	36.0	1.01	.00	.02	.00	.02
222.00	.00	0	123.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.96	.00	.02	.00	.02
224.00	.00	0	116.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.91	.00	.02	.00	.02
226.00	.00	0	110.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.86	.00	.02	.00	.02
228.00	.00	0	104.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.81	.00	.02	.00	.02
230.00	.00	0	98.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.76	.00	.02	.00	.02
232.00	.00	0	92.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.72	.00	.02	.00	.02
234.00	.00	0	86.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.67	.00	.02	.00	.02
236.00	.00	0	81.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.63	.00	.01	.00	.01
238.00	.00	0	75.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.59	.00	.01	.00	.01
240.00	.00	0	70.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.55	.00	.01	.00	.01
242.00	.00	0	65.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.51	.00	.01	.00	.01
244.00	.00	0	60.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.47	.00	.01	.00	.01
246.00	.00	0	55.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.43	.00	.01	.00	.01
248.00	.00	0	50.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.39	.00	.01	.00	.01
250.00	.00	0	45.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.35	.00	.01	.00	.01
252.00	.00	0	40.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.31	.00	.01	.00	.01
254.00	.00	0	35.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.27	.00	.01	.00	.01
256.00	.00	0	30.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.24	.00	.01	.00	.01
258.00	.00	0	25.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.20	.00	.00	.00	.00
260.00	.00	0	21.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.16	.00	.00	.00	.00
262.00	.00	0	16.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.13	.00	.00	.00	.00
264.00	.00	0	11.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.09	.00	.00	.00	.00
266.00	.00	0	7.0	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 Segment Deflection Report in Pile Coordinate System For Pile Joint 122 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
.00	-.3129990	.7022378	-44.0467100	-.0031221	-.0463105	-.0004408
2.00	-.3088727	.6910967	-42.9195500	-.0031221	-.0475974	-.0004871
4.00	-.3047577	.6788822	-41.7631000	-.0031221	-.0487517	-.0005303
6.00	-.3006540	.6656690	-40.5805200	-.0031221	-.0497749	-.0005703
8.00	-.2965614	.6515307	-39.3749400	-.0031221	-.0506682	-.0006073
10.00	-.2924801	.6365406	-38.1494800	-.0031221	-.0514331	-.0006413
12.00	-.2884098	.6207708	-36.9071700	-.0031221	-.0520709	-.0006723
14.00	-.2843505	.6042928	-35.6510800	-.0031221	-.0525831	-.0007004
16.00	-.2803024	.5871772	-34.3841800	-.0031221	-.0529710	-.0007255
18.00	-.2762652	.5694937	-33.1094500	-.0031221	-.0532362	-.0007477
20.00	-.2722389	.5513114	-31.8298100	-.0031221	-.0533799	-.0007670
22.00	-.2682236	.5326986	-30.5481700	-.0031221	-.0534037	-.0007836
24.00	-.2642191	.5137226	-29.2673800	-.0031221	-.0533090	-.0007973
26.00	-.2602255	.4944502	-27.9902700	-.0031221	-.0530972	-.0008083
28.00	-.2562426	.4749471	-26.7196400	-.0031221	-.0527698	-.0008165
30.00	-.2522705	.4552785	-25.4582400	-.0031221	-.0523281	-.0008221
32.00	-.2483091	.4355088	-24.2088000	-.0031221	-.0517736	-.0008250
34.00	-.2443583	.4157015	-22.9740000	-.0031221	-.0511077	-.0008252
36.00	-.2404288	.3959192	-21.7564900	-.0031221	-.0503335	-.0008229
38.00	-.2365309	.3762224	-20.5588100	-.0031221	-.0494568	-.0008181
40.00	-.2326643	.3566684	-19.3833300	-.0031221	-.0484849	-.0008110
42.00	-.2288288	.3373113	-18.2322400	-.0031221	-.0474251	-.0008017
44.00	-.2250240	.3182020	-17.1075700	-.0031221	-.0462842	-.0007904
46.00	-.2212496	.2993879	-16.0111900	-.0031221	-.0450690	-.0007771
48.00	-.2175054	.2809139	-14.9448000	-.0031221	-.0437862	-.0007621
50.00	-.2137910	.2628212	-13.9099400	-.0031221	-.0424422	-.0007454
52.00	-.2101061	.2451487	-12.9080200	-.0031221	-.0410430	-.0007271
54.00	-.2064505	.2279318	-11.9402700	-.0031221	-.0395949	-.0007074
56.00	-.2028238	.2112037	-11.0078100	-.0031221	-.0381037	-.0006864
58.00	-.1992259	.1949945	-10.1116000	-.0031221	-.0365749	-.0006642
60.00	-.1956563	.1793317	-9.2524660	-.0031221	-.0350142	-.0006409
62.00	-.1921148	.1642402	-8.4311250	-.0031221	-.0334269	-.0006166
64.00	-.1886011	.1497426	-7.6481470	-.0031221	-.0318181	-.0005914
66.00	-.1851150	.1358589	-6.9039900	-.0031221	-.0301927	-.0005654
68.00	-.1816562	.1226067	-6.1989940	-.0031221	-.0285555	-.0005388
70.00	-.1782243	.1100015	-5.5333850	-.0031221	-.0269111	-.0005115
72.00	-.1748192	.0980565	-4.9072850	-.0031221	-.0252639	-.0004838
74.00	-.1714405	.0867828	-4.3207090	-.0031221	-.0236180	-.0004556
76.00	-.1680880	.0761896	-3.7735760	-.0031221	-.0219776	-.0004271
78.00	-.1647615	.0662840	-3.2657090	-.0031221	-.0203464	-.0003983
80.00	-.1614606	.0570713	-2.7968440	-.0031221	-.0187281	-.0003694
82.00	-.1581851	.0485552	-2.3666320	-.0031221	-.0171259	-.0003403
84.00	-.1549347	.0407375	-1.9746430	-.0031221	-.0155433	-.0003112
86.00	-.1517093	.0336187	-1.6203750	-.0031221	-.0139830	-.0002821
88.00	-.1485084	.0271975	-1.3032550	-.0031221	-.0124481	-.0002530
90.00	-.1453319	.0214716	-1.0226440	-.0031221	-.0109410	-.0002241
92.00	-.1421796	.0164372	-.7778440	-.0031221	-.0094642	-.0001954
94.00	-.1390511	.0120893	-.5681034	-.0031221	-.0080198	-.0001669
96.00	-.1359462	.0084220	-.3926204	-.0031221	-.0066097	-.0001387
98.00	-.1328647	.0054282	-.2505507	-.0031221	-.0052356	-.0001108

* * * Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 122 Load Case No. 4 * * *

Dist. Along Pile (Ft)	Deflections (in)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
100.00	-.1298064	.0031004	-.1410127	-.0031221	-.0038989	-.0000832
102.00	-.1267959	.0014206	-.0626617	-.0031221	-.0026549	-.0000572
104.00	-.1238570	.0003233	-.0120036	-.0031221	-.0016076	-.0000351
106.00	-.1209878	-.0003044	.0165478	-.0031221	-.0008159	-.0000182
108.00	-.1181871	-.0005906	.0291682	-.0031221	-.0002755	-.0000065
110.00	-.1154534	-.0006534	.0314746	-.0031221	.0000518	.0000006
112.00	-.1127852	-.0005887	.0279758	-.0031221	.0002173	.0000043
114.00	-.1101811	-.0004661	.0219300	-.0031221	.0002722	.0000056
116.00	-.1076398	-.0003314	.0154478	-.0031221	.0002601	.0000064
118.00	-.1051601	-.0002106	.0097142	-.0031221	.0002144	.0000045
120.00	-.1027405	-.0001156	.0052439	-.0031221	.0001578	.0000034
122.00	-.1003798	-.0000485	.0021175	-.0031221	.0001040	.0000022
124.00	-.0980769	-.0000063	.0001731	-.0031221	.0000600	.0000013
126.00	-.0958304	.0000165	-.0008555	-.0031221	.0000278	.0000006
128.00	-.0936394	.0000255	-.0012488	-.0031221	.0000067	.0000002
130.00	-.0915025	.0000261	-.0012519	-.0031221	-.0000052	-.0000001
132.00	-.0894188	.0000223	-.0010532	-.0031221	-.0000105	-.0000002
134.00	-.0873871	.0000167	-.0007824	-.0031221	-.0000115	-.0000002
136.00	-.0854063	.0000112	-.0005180	-.0031221	-.0000102	-.0000002
138.00	-.0834755	.0000065	-.0002995	-.0031221	-.0000079	-.0000002
140.00	-.0815936	.0000031	-.0001400	-.0031221	-.0000054	-.0000001
142.00	-.0797597	.0000009	-.0000367	-.0031221	-.0000033	-.0000001
144.00	-.0779729	-.0000004	.0000210	-.0031221	-.0000016	.0000000
146.00	-.0762321	-.0000009	.0000458	-.0031221	-.0000005	.0000000
148.00	-.0745365	-.0000010	.0000498	-.0031221	.0000001	.0000000
150.00	-.0728852	-.0000009	.0000426	-.0031221	.0000004	.0000000
152.00	-.0712787	-.0000007	.0000312	-.0031221	.0000005	.0000000
154.00	-.0697174	-.0000004	.0000198	-.0031221	.0000004	.0000000
156.00	-.0682006	-.0000002	.0000107	-.0031221	.0000003	.0000000
158.00	-.0667274	-.0000001	.0000043	-.0031221	.0000002	.0000000
160.00	-.0652969	.0000000	.0000005	-.0031221	.0000001	.0000000
162.00	-.0639083	.0000000	-.0000014	-.0031221	.0000000	.0000000
164.00	-.0625609	.0000000	-.0000021	-.0031221	.0000000	.0000000
166.00	-.0612539	.0000000	-.0000020	-.0031221	.0000000	.0000000
168.00	-.0599866	.0000000	-.0000015	-.0031221	.0000000	.0000000
170.00	-.0587584	.0000000	-.0000010	-.0031221	.0000000	.0000000
172.00	-.0573782	.0000000	-.0000006	-.0031221	.0000000	.0000000
174.00	-.0560406	.0000000	-.0000002	-.0031221	.0000000	.0000000
176.00	-.0547448	.0000000	-.0000001	-.0031221	.0000000	.0000000
178.00	-.0534900	.0000000	.0000000	-.0031221	.0000000	.0000000
180.00	-.0522753	.0000000	.0000001	-.0031221	.0000000	.0000000
182.00	-.0508729	.0000000	.0000001	-.0031221	.0000000	.0000000
184.00	-.0495153	.0000000	.0000001	-.0031221	.0000000	.0000000
186.00	-.0482014	.0000000	.0000000	-.0031221	.0000000	.0000000
188.00	-.0469302	.0000000	.0000000	-.0031221	.0000000	.0000000
190.00	-.0457008	.0000000	.0000000	-.0031221	.0000000	.0000000
192.00	-.0442233	.0000000	.0000000	-.0031221	.0000000	.0000000
194.00	-.0427937	.0000000	.0000000	-.0031221	.0000000	.0000000
196.00	-.0414106	.0000000	.0000000	-.0031221	.0000000	.0000000
198.00	-.0400728	.0000000	.0000000	-.0031221	.0000000	.0000000

*** Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 122 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (in)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
200.00	-.0387788	.0000000	.0000000	-.0031221	.0000000	.0000000
202.00	-.0375275	.0000000	.0000000	-.0031221	.0000000	.0000000
204.00	-.0363177	.0000000	.0000000	-.0031221	.0000000	.0000000
206.00	-.0351483	.0000000	.0000000	-.0031221	.0000000	.0000000
208.00	-.0340180	.0000000	.0000000	-.0031221	.0000000	.0000000
210.00	-.0329259	.0000000	.0000000	-.0031221	.0000000	.0000000
212.00	-.0318709	.0000000	.0000000	-.0031221	.0000000	.0000000
214.00	-.0308580	.0000000	.0000000	-.0031221	.0000000	.0000000
216.00	-.0298921	.0000000	.0000000	-.0031221	.0000000	.0000000
218.00	-.0289717	.0000000	.0000000	-.0031221	.0000000	.0000000
220.00	-.0280957	.0000000	.0000000	-.0031221	.0000000	.0000000
222.00	-.0272629	.0000000	.0000000	-.0031221	.0000000	.0000000
224.00	-.0264722	.0000000	.0000000	-.0031221	.0000000	.0000000
226.00	-.0257225	.0000000	.0000000	-.0031221	.0000000	.0000000
228.00	-.0250129	.0000000	.0000000	-.0031221	.0000000	.0000000
230.00	-.0243423	.0000000	.0000000	-.0031221	.0000000	.0000000
232.00	-.0237099	.0000000	.0000000	-.0031221	.0000000	.0000000
234.00	-.0231148	.0000000	.0000000	-.0031221	.0000000	.0000000
236.00	-.0225563	.0000000	.0000000	-.0031221	.0000000	.0000000
238.00	-.0220336	.0000000	.0000000	-.0031221	.0000000	.0000000
240.00	-.0215459	.0000000	.0000000	-.0031221	.0000000	.0000000
242.00	-.0210927	.0000000	.0000000	-.0031221	.0000000	.0000000
244.00	-.0206734	.0000000	.0000000	-.0031221	.0000000	.0000000
246.00	-.0202873	.0000000	.0000000	-.0031221	.0000000	.0000000
248.00	-.0199339	.0000000	.0000000	-.0031221	.0000000	.0000000
250.00	-.0196129	.0000000	.0000000	-.0031221	.0000000	.0000000
252.00	-.0193237	.0000000	.0000000	-.0031221	.0000000	.0000000
254.00	-.0190660	.0000000	.0000000	-.0031221	.0000000	.0000000
256.00	-.0188394	.0000000	.0000000	-.0031221	.0000000	.0000000
258.00	-.0186436	.0000000	.0000000	-.0031221	.0000000	.0000000
260.00	-.0184784	.0000000	.0000000	-.0031221	.0000000	.0000000
262.00	-.0183435	.0000000	.0000000	-.0031221	.0000000	.0000000
264.00	-.0182388	.0000000	.0000000	-.0031221	.0000000	.0000000
266.00	-.0181641	.0000000	.0000000	-.0031221	.0000000	.0000000
268.00	-.0181193	.0000000	.0000000	-.0031221	.0000000	.0000000

*** Pile Head Load And Deformation Report For Pile Joint 132 Load Case No. 4 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	-974.654	5.966	-360.732
	Moment (In-Kips)	-.004	79335.150	1796.104
Calculated Displacements:	Translational (In)	-.2718	.6269	-45.3291
	Rotational (Rad)	-.00402	-.04672	-.00050

*** File Detail Report For Pile Joint 132 Load Case No. 4 ***

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			Axial	Bend.	Axial	Bend.	Total
.00	45.33	-89	973.9	0.	359.9	-89	79355.	-88	42.00	1.75	36.0	4.40	37.12	.10	.69	.79
2.00	44.20	-89	971.0	0.	358.0	-89	71826.	-88	42.00	1.75	36.0	4.39	33.60	.10	.62	.72
4.00	43.03	-89	968.1	0.	356.0	-89	64370.	-88	42.00	1.75	36.0	4.38	30.11	.10	.56	.66
6.00	41.83	-89	965.3	0.	353.7	-89	56988.	-88	42.00	1.75	36.0	4.36	26.66	.10	.49	.59
8.00	40.60	-89	962.4	0.	351.3	-89	49680.	-88	42.00	1.75	36.0	4.35	23.24	.10	.43	.53
10.00	39.36	-89	959.5	0.	348.7	-89	42448.	-88	42.00	1.75	36.0	4.34	19.85	.10	.37	.47
12.00	38.09	-89	956.7	0.	346.0	-89	35292.	-88	42.00	1.75	36.0	4.32	16.51	.10	.31	.41
14.00	36.81	-89	953.8	0.	343.1	-89	28214.	-88	42.00	1.75	36.0	4.31	13.20	.10	.24	.34
16.00	35.52	-89	951.0	0.	340.0	-89	21214.	-87	42.00	1.75	36.0	4.30	9.92	.10	.18	.28
18.00	34.22	-89	948.2	0.	336.9	-89	14293.	-87	42.00	1.75	36.0	4.28	6.69	.10	.12	.22
20.00	32.91	-89	945.3	0.	333.5	-89	7455.	-85	42.00	1.75	36.0	4.27	3.49	.10	.06	.16
22.00	31.60	-89	942.6	0.	330.0	-89	798.	-57	42.00	1.75	36.0	4.26	.37	.10	.01	.11
24.00	30.29	-89	939.8	0.	326.4	-89	6019.	87	42.00	1.75	36.0	4.25	2.82	.10	.05	.15
26.00	28.98	-89	937.0	0.	322.7	-89	12615.	89	42.00	1.75	36.0	4.23	5.90	.10	.11	.21
28.00	27.67	-89	934.2	0.	318.9	-89	19136.	89	42.00	1.75	36.0	4.22	8.95	.10	.17	.26
30.00	26.38	-89	931.5	0.	314.9	-89	25577.	90	42.00	1.75	36.0	4.21	11.96	.10	.22	.32
32.00	25.09	-89	928.8	0.	310.9	-89	31939.	90	42.00	1.75	36.0	4.20	14.94	.10	.28	.37
34.00	23.82	-89	923.5	0.	299.5	-89	38220.	90	42.00	1.75	36.0	4.17	17.88	.10	.33	.43
36.00	22.57	-89	915.7	0.	281.2	-89	44251.	90	42.00	1.75	36.0	4.14	20.70	.10	.38	.48
38.00	21.34	-89	908.0	0.	263.3	-89	49871.	90	42.00	1.75	36.0	4.10	23.33	.09	.43	.53
40.00	20.13	-89	900.4	0.	245.7	-89	55089.	90	42.00	1.75	36.0	4.07	25.77	.09	.48	.57
42.00	18.94	-89	892.8	0.	228.5	-88	59917.	90	42.00	1.75	36.0	4.03	28.03	.09	.52	.61
44.00	17.78	-89	885.3	0.	211.6	-88	64363.	90	42.00	1.75	36.0	4.00	30.11	.09	.56	.65
46.00	16.65	-89	877.9	0.	195.0	-88	68438.	90	42.00	1.75	36.0	3.97	32.01	.09	.59	.68
48.00	15.54	-89	870.6	0.	178.9	-88	72151.	90	42.00	1.75	36.0	3.93	33.75	.09	.62	.72
50.00	14.47	-89	863.3	0.	163.1	-88	75513.	90	42.00	1.75	36.0	3.90	35.32	.09	.65	.74
52.00	13.44	-89	856.1	0.	147.7	-88	78533.	90	42.00	1.75	36.0	3.87	36.73	.09	.68	.77
54.00	12.44	-89	849.0	0.	132.8	-88	81221.	90	42.00	1.75	36.0	3.84	37.99	.09	.70	.79
56.00	11.47	-89	841.9	0.	118.2	-88	83587.	90	42.00	1.75	36.0	3.80	39.10	.09	.72	.81
58.00	10.54	-89	834.9	0.	104.0	-88	85641.	90	42.00	1.75	36.0	3.77	40.06	.09	.74	.83
60.00	9.65	-89	827.9	0.	90.2	-88	87393.	90	42.00	1.75	36.0	3.74	40.88	.09	.76	.84
62.00	8.80	-89	821.1	0.	76.9	-88	88852.	90	42.00	1.75	36.0	3.71	41.56	.09	.77	.86
64.00	7.98	-89	814.2	0.	64.0	-88	90029.	90	42.00	1.75	36.0	3.68	42.11	.09	.78	.86
66.00	7.21	-89	807.5	0.	51.5	-88	90934.	90	42.00	1.75	36.0	3.65	42.53	.08	.79	.87
68.00	6.48	-89	800.8	0.	39.4	-88	91577.	90	42.00	1.75	36.0	3.62	42.83	.08	.79	.88
70.00	5.79	-89	794.2	0.	27.8	-88	91969.	90	42.00	1.75	36.0	3.59	43.02	.08	.80	.88
72.00	5.13	-89	787.6	0.	16.7	-87	92119.	90	42.00	1.75	36.0	3.56	43.09	.08	.80	.88
74.00	4.52	-89	781.1	0.	6.1	-84	92038.	90	42.00	1.75	36.0	3.53	43.05	.08	.80	.88
76.00	3.95	-89	774.7	0.	4.2	84	91737.	90	42.00	1.75	36.0	3.50	42.91	.08	.79	.88
78.00	3.42	-89	768.3	0.	13.8	88	91227.	90	42.00	1.75	36.0	3.47	42.67	.08	.79	.87
80.00	2.93	-89	762.0	0.	22.9	89	90520.	90	42.00	1.75	36.0	3.44	42.34	.08	.78	.86
82.00	2.48	-89	755.8	0.	31.6	90	89626.	90	42.00	1.75	36.0	3.42	41.92	.08	.78	.86
84.00	2.07	-89	749.6	0.	39.9	90	88558.	90	42.00	1.75	36.0	3.39	41.42	.08	.77	.85
86.00	1.70	-89	743.5	0.	47.5	90	87323.	90	42.00	1.75	36.0	3.36	40.84	.08	.76	.83
88.00	1.37	-89	737.4	0.	54.6	90	85936.	90	42.00	1.75	36.0	3.33	40.20	.08	.74	.82
90.00	1.08	-89	731.4	0.	61.2	90	84408.	90	42.00	1.75	36.0	3.31	39.48	.08	.73	.81
92.00	.82	-89	725.6	0.	67.2	90	82751.	90	42.00	1.75	36.0	3.28	38.71	.08	.72	.79
94.00	.60	-89	719.7	0.	72.6	90	80978.	90	42.00	1.75	36.0	3.25	37.88	.08	.70	.78
96.00	.41	-89	714.0	0.	77.4	90	79102.	90	42.00	1.75	36.0	3.23	37.00	.07	.69	.76
98.00	.26	-89	708.4	0.	81.5	90	77138.	90	42.00	1.75	36.0	3.20	36.08	.07	.67	.74

*** Pile Detail Report For Pile Joint 132 Load Case No. 4 ***

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)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.15	-89	697.1	0.	343.8	90	75100.	90	42.00	1.75	36.0	3.15	35.13	.07	.65	.72
102.00	.07	-89	680.5	0.	581.3	90	66791.	90	42.00	1.75	36.0	3.08	31.24	.07	.58	.65
104.00	.01	-88	664.3	0.	628.6	90	52803.	90	42.00	1.75	36.0	3.00	24.70	.07	.46	.53
106.00	.02	90	648.4	0.	564.7	90	37697.	90	42.00	1.75	36.0	2.93	17.63	.07	.33	.39
108.00	.03	90	632.9	0.	449.0	90	24135.	90	42.00	1.75	36.0	2.86	11.29	.07	.21	.28
110.00	.03	90	617.7	0.	321.5	90	13357.	90	42.00	1.75	36.0	2.79	6.25	.06	.12	.18
112.00	.03	90	602.8	0.	206.0	90	5642.	90	42.00	1.75	36.0	2.72	2.64	.06	.05	.11
114.00	.02	90	588.2	0.	113.8	90	702.	91	42.00	1.75	36.0	2.66	.33	.06	.01	.07
116.00	.02	90	573.9	0.	47.6	90	2025.	-89	42.00	1.75	36.0	2.59	.95	.06	.02	.08
118.00	.01	90	559.9	0.	5.2	91	3163.	-89	42.00	1.75	36.0	2.53	1.48	.06	.03	.09
120.00	.01	90	546.2	0.	18.1	-89	3286.	-89	42.00	1.75	36.0	2.47	1.54	.06	.03	.09
122.00	.00	90	532.8	0.	27.7	-89	2850.	-89	42.00	1.75	36.0	2.41	1.33	.06	.02	.08
124.00	.00	90	519.7	0.	28.5	-89	2184.	-89	42.00	1.75	36.0	2.35	1.02	.05	.02	.07
126.00	.00	-90	506.8	0.	24.6	-89	1498.	-89	42.00	1.75	36.0	2.29	.70	.05	.01	.07
128.00	.00	-90	494.2	0.	18.7	-89	908.	-89	42.00	1.75	36.0	2.23	.42	.05	.01	.06
130.00	.00	-90	481.9	0.	12.7	-89	458.	-89	42.00	1.75	36.0	2.18	.21	.05	.00	.05
132.00	.00	-90	469.8	0.	7.6	-89	153.	-89	42.00	1.75	36.0	2.12	.07	.05	.00	.05
134.00	.00	-90	457.9	0.	3.7	-89	30.	90	42.00	1.75	36.0	2.07	.01	.05	.00	.05
136.00	.00	-90	446.3	0.	1.1	-88	119.	90	42.00	1.75	36.0	2.02	.06	.05	.00	.05
138.00	.00	-90	434.9	0.	.4	90	146.	90	42.00	1.75	36.0	1.97	.07	.05	.00	.05
140.00	.00	-90	423.8	0.	1.1	90	136.	90	42.00	1.75	36.0	1.92	.06	.04	.00	.05
142.00	.00	0	412.9	0.	1.3	90	109.	90	42.00	1.75	36.0	1.87	.05	.04	.00	.04
144.00	.00	0	402.1	0.	1.2	90	78.	90	42.00	1.75	36.0	1.82	.04	.04	.00	.04
146.00	.00	0	391.6	0.	1.0	90	49.	90	42.00	1.75	36.0	1.77	.02	.04	.00	.04
148.00	.00	0	381.3	0.	.7	90	26.	90	42.00	1.75	36.0	1.72	.01	.04	.00	.04
150.00	.00	0	370.9	0.	.4	90	9.	90	42.00	1.75	36.0	1.68	.00	.04	.00	.04
152.00	.00	0	360.4	0.	.2	90	1.	-89	42.00	1.75	36.0	1.63	.00	.04	.00	.04
154.00	.00	0	350.1	0.	.0	91	6.	-89	42.00	1.75	36.0	1.58	.00	.04	.00	.04
156.00	.00	0	339.9	0.	.0	-89	7.	-89	42.00	1.75	36.0	1.54	.00	.04	.00	.04
158.00	.00	0	330.0	0.	.1	-89	6.	-89	42.00	1.75	36.0	1.49	.00	.03	.00	.03
160.00	.00	0	320.2	0.	.1	-89	5.	-89	42.00	1.75	36.0	1.45	.00	.03	.00	.03
162.00	.00	0	310.7	0.	.1	-89	3.	-89	42.00	1.75	36.0	1.40	.00	.03	.00	.03
164.00	.00	0	301.3	0.	.0	-89	2.	-89	42.00	1.75	36.0	1.36	.00	.03	.00	.03
166.00	.00	0	292.0	0.	.0	-89	1.	-89	42.00	1.75	36.0	1.32	.00	.03	.00	.03
168.00	.00	0	282.9	0.	.0	-89	0.	-88	42.00	1.75	36.0	1.28	.00	.03	.00	.03
170.00	.00	0	274.1	0.	.0	-90	0.	90	42.00	1.50	36.0	1.44	.00	.03	.00	.03
172.00	.00	0	265.6	0.	.0	90	0.	90	42.00	1.50	36.0	1.39	.00	.03	.00	.03
174.00	.00	0	257.2	0.	.0	90	0.	90	42.00	1.50	36.0	1.35	.00	.03	.00	.03
176.00	.00	0	249.0	0.	.0	90	0.	90	42.00	1.50	36.0	1.30	.00	.03	.00	.03
178.00	.00	0	241.0	0.	.0	90	0.	90	42.00	1.50	36.0	1.26	.00	.03	.00	.03
180.00	.00	0	233.2	0.	.0	90	0.	90	42.00	1.25	36.0	1.46	.00	.03	.00	.03
182.00	.00	0	225.7	0.	.0	90	0.	90	42.00	1.25	36.0	1.41	.00	.03	.00	.03
184.00	.00	0	218.4	0.	.0	90	0.	91	42.00	1.25	36.0	1.36	.00	.03	.00	.03
186.00	.00	0	211.3	0.	.0	90	0.	-89	42.00	1.25	36.0	1.32	.00	.03	.00	.03
188.00	.00	0	204.3	0.	.0	0	0.	-89	42.00	1.25	36.0	1.28	.00	.03	.00	.03
190.00	.00	0	197.6	0.	.0	-90	0.	-89	42.00	1.00	36.0	1.53	.00	.04	.00	.04
192.00	.00	0	191.1	0.	.0	-90	0.	-89	42.00	1.00	36.0	1.48	.00	.03	.00	.03
194.00	.00	0	184.9	0.	.0	0	0.	-89	42.00	1.00	36.0	1.44	.00	.03	.00	.03
196.00	.00	0	178.8	0.	.0	0	0.	-89	42.00	1.00	36.0	1.39	.00	.03	.00	.03
198.00	.00	0	172.9	0.	.0	0	0.	-88	42.00	1.00	36.0	1.34	.00	.03	.00	.03

*** Pile Detail Report For Pile Joint 132 Load Case No. 4 ***

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	157.2	0.	.0	0	0.	90	42.00	1.00	36.0	1.30	.00	.03	.00	.03
202.00	.00	0	151.6	0.	.0	0	0.	90	42.00	1.00	36.0	1.25	.00	.03	.00	.03
204.00	.00	0	156.2	0.	.0	0	0.	90	42.00	1.00	36.0	1.21	.00	.03	.00	.03
206.00	.00	0	150.9	0.	.0	0	0.	90	42.00	1.00	36.0	1.17	.00	.03	.00	.03
208.00	.00	0	145.8	0.	.0	0	0.	90	42.00	1.00	36.0	1.13	.00	.03	.00	.03
210.00	.00	0	140.8	0.	.0	0	0.	-90	42.00	1.00	36.0	1.09	.00	.03	.00	.03
212.00	.00	0	135.2	0.	.0	0	0.	-90	42.00	1.00	36.0	1.05	.00	.02	.00	.02
214.00	.00	0	128.9	0.	.0	0	0.	-90	42.00	1.00	36.0	1.00	.00	.02	.00	.02
216.00	.00	0	122.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.95	.00	.02	.00	.02
218.00	.00	0	116.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.91	.00	.02	.00	.02
220.00	.00	0	111.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.86	.00	.02	.00	.02
222.00	.00	0	105.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.82	.00	.02	.00	.02
224.00	.00	0	100.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.78	.00	.02	.00	.02
226.00	.00	0	94.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.74	.00	.02	.00	.02
228.00	.00	0	89.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.69	.00	.02	.00	.02
230.00	.00	0	84.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.66	.00	.02	.00	.02
232.00	.00	0	79.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.62	.00	.01	.00	.01
234.00	.00	0	74.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.58	.00	.01	.00	.01
236.00	.00	0	69.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.54	.00	.01	.00	.01
238.00	.00	0	65.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.51	.00	.01	.00	.01
240.00	.00	0	60.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.47	.00	.01	.00	.01
242.00	.00	0	56.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.43	.00	.01	.00	.01
244.00	.00	0	51.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.40	.00	.01	.00	.01
246.00	.00	0	47.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.37	.00	.01	.00	.01
248.00	.00	0	42.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.33	.00	.01	.00	.01
250.00	.00	0	38.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.30	.00	.01	.00	.01
252.00	.00	0	34.4	0.	.0	0	0.	-90	42.00	1.00	36.0	.27	.00	.01	.00	.01
254.00	.00	0	30.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.23	.00	.01	.00	.01
256.00	.00	0	26.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.20	.00	.00	.00	.00
258.00	.00	0	22.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.17	.00	.00	.00	.00
260.00	.00	0	18.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.14	.00	.00	.00	.00
262.00	.00	0	14.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.11	.00	.00	.00	.00
264.00	.00	0	10.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.08	.00	.00	.00	.00
266.00	.00	0	6.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
268.00	.00	0	2.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.02	.00	.00	.00	.00

*** Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 132 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
.00	-.2717591	.6269341	-45.3291500	-.0040245	-.0467173	-.0004994
2.00	-.2681167	.6145601	-44.1909400	-.0040245	-.0481103	-.0005313
4.00	-.2644850	.6014493	-43.0209600	-.0040245	-.0493652	-.0005608
6.00	-.2608643	.5876591	-41.8225000	-.0040245	-.0504834	-.0005880
8.00	-.2572543	.5732460	-40.5988400	-.0040245	-.0514662	-.0006127
10.00	-.2536550	.5582664	-39.3532000	-.0040245	-.0523150	-.0006352
12.00	-.2500665	.5427757	-38.0887800	-.0040245	-.0530312	-.0006553
14.00	-.2464887	.5268289	-36.8087500	-.0040245	-.0536162	-.0006732
16.00	-.2429215	.5104804	-35.5162400	-.0040245	-.0540715	-.0006888
18.00	-.2393649	.4937840	-34.2143500	-.0040245	-.0543985	-.0007022
20.00	-.2358189	.4767929	-32.9061300	-.0040245	-.0545986	-.0007134
22.00	-.2322834	.4595597	-31.5946200	-.0040245	-.0546733	-.0007224
24.00	-.2287583	.4421364	-30.2828000	-.0040245	-.0546241	-.0007292
26.00	-.2252437	.4245745	-28.9736400	-.0040245	-.0544524	-.0007339
28.00	-.2217394	.4069247	-27.6700600	-.0040245	-.0541598	-.0007365
30.00	-.2182455	.3892374	-26.3749300	-.0040245	-.0537477	-.0007371
32.00	-.2147617	.3715621	-25.0911100	-.0040245	-.0532176	-.0007355
34.00	-.2112882	.3539479	-23.8214100	-.0040245	-.0525710	-.0007320
36.00	-.2078345	.3364430	-22.5686100	-.0040245	-.0518109	-.0007264
38.00	-.2044097	.3190941	-21.3353500	-.0040245	-.0509435	-.0007190
40.00	-.2010138	.3019452	-20.1241200	-.0040245	-.0499762	-.0007098
42.00	-.1976465	.2850375	-18.9372300	-.0040245	-.0489163	-.0006989
44.00	-.1943074	.2684096	-17.7768200	-.0040245	-.0477709	-.0006865
46.00	-.1909962	.2520976	-16.6448600	-.0040245	-.0465470	-.0006726
48.00	-.1877129	.2361351	-15.5431400	-.0040245	-.0452513	-.0006574
50.00	-.1844570	.2205530	-14.4733200	-.0040245	-.0438905	-.0006409
52.00	-.1812283	.2053801	-13.4368700	-.0040245	-.0424708	-.0006233
54.00	-.1780266	.1906425	-12.4351400	-.0040245	-.0409986	-.0006047
56.00	-.1748516	.1763644	-11.4693100	-.0040245	-.0394797	-.0005850
58.00	-.1717030	.1625676	-10.5404300	-.0040245	-.0379202	-.0005646
60.00	-.1685807	.1492716	-9.6494220	-.0040245	-.0363256	-.0005433
62.00	-.1654843	.1364940	-8.7970450	-.0040245	-.0347013	-.0005214
64.00	-.1624136	.1242504	-7.9839520	-.0040245	-.0330528	-.0004988
66.00	-.1593684	.1125543	-7.2106630	-.0040245	-.0313851	-.0004758
68.00	-.1563485	.1014173	-6.4775800	-.0040245	-.0297032	-.0004522
70.00	-.1533535	.0908493	-5.7849870	-.0040245	-.0280117	-.0004284
72.00	-.1503833	.0808582	-5.1330590	-.0040245	-.0263152	-.0004042
74.00	-.1474376	.0714506	-4.5218630	-.0040245	-.0246181	-.0003798
76.00	-.1445162	.0626310	-3.9513620	-.0040245	-.0229245	-.0003552
78.00	-.1416189	.0544027	-3.4214270	-.0040245	-.0212384	-.0003305
80.00	-.1387453	.0467672	-2.9318300	-.0040245	-.0195635	-.0003058
82.00	-.1358954	.0397250	-2.4822610	-.0040245	-.0179033	-.0002811
84.00	-.1330689	.0332750	-2.0723250	-.0040245	-.0162613	-.0002564
86.00	-.1302655	.0274147	-1.7015500	-.0040245	-.0146405	-.0002319
88.00	-.1274850	.0221408	-1.3693900	-.0040245	-.0130438	-.0002076
90.00	-.1247272	.0174486	-1.0752320	-.0040245	-.0114740	-.0001835
92.00	-.1219917	.0133325	-.8184021	-.0040245	-.0099336	-.0001596
94.00	-.1192782	.0097860	-.5981675	-.0040245	-.0084247	-.0001360
96.00	-.1165864	.0068017	-.4137452	-.0040245	-.0069495	-.0001127
98.00	-.1139161	.0043713	-.2643062	-.0040245	-.0055097	-.0000898

* * * Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 132 Load Case No. 4 * * *

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
100.00	-.1112668	.0024862	-.1489830	-.0040245	-.0041068	-.0000673
102.00	-.1086597	.0011293	-.0664168	-.0040245	-.0027992	-.0000461
104.00	-.1061146	.0002455	-.0129759	-.0040245	-.0016971	-.0000282
106.00	-.1036302	-.0002579	.0171907	-.0040245	-.0008631	-.0000145
108.00	-.1012052	-.0004854	.0305688	-.0040245	-.0002934	-.0000051
110.00	-.0988384	-.0005330	.0330660	-.0040245	.0000521	.0000006
112.00	-.0965284	-.0004782	.0294291	-.0040245	.0002272	.0000036
114.00	-.0942742	-.0003775	.0230920	-.0040245	.0002857	.0000046
116.00	-.0920745	-.0002677	.0162813	-.0040245	.0002735	.0000044
118.00	-.0899282	-.0001696	.0102493	-.0040245	.0002257	.0000037
120.00	-.0878342	-.0000926	.0055416	-.0040245	.0001662	.0000027
122.00	-.0857914	-.0000384	.0022462	-.0040245	.0001097	.0000018
124.00	-.0837988	-.0000044	.0001944	-.0040245	.0000633	.0000011
126.00	-.0818552	.0000138	-.0008929	-.0040245	.0000294	.0000005
128.00	-.0799598	.0000209	-.0013105	-.0040245	.0000072	.0000001
130.00	-.0781115	.0000213	-.0013162	-.0040245	-.0000054	-.0000001
132.00	-.0763093	.0000181	-.0011086	-.0040245	-.0000110	-.0000002
134.00	-.0745524	.0000135	-.0008243	-.0040245	-.0000121	-.0000002
136.00	-.0728398	.0000090	-.0005463	-.0040245	-.0000108	-.0000002
138.00	-.0711706	.0000053	-.0003163	-.0040245	-.0000083	-.0000001
140.00	-.0695439	.0000025	-.0001482	-.0040245	-.0000057	-.0000001
142.00	-.0679590	.0000007	-.0000392	-.0040245	-.0000034	-.0000001
144.00	-.0664150	-.0000003	.0000217	-.0040245	-.0000017	.0000000
146.00	-.0649110	-.0000008	.0000481	-.0040245	-.0000006	.0000000
148.00	-.0634464	-.0000008	.0000524	-.0040245	.0000001	.0000000
150.00	-.0620203	-.0000007	.0000448	-.0040245	.0000004	.0000000
152.00	-.0606332	-.0000005	.0000328	-.0040245	.0000005	.0000000
154.00	-.0592855	-.0000003	.0000209	-.0040245	.0000005	.0000000
156.00	-.0579763	-.0000002	.0000113	-.0040245	.0000003	.0000000
158.00	-.0567050	-.0000001	.0000046	-.0040245	.0000002	.0000000
160.00	-.0554709	.0000000	.0000005	-.0040245	.0000001	.0000000
162.00	-.0542733	.0000000	-.0000015	-.0040245	.0000001	.0000000
164.00	-.0531115	.0000000	-.0000022	-.0040245	.0000000	.0000000
166.00	-.0519848	.0000000	-.0000021	-.0040245	.0000000	.0000000
168.00	-.0508927	.0000000	-.0000016	-.0040245	.0000000	.0000000
170.00	-.0498345	.0000000	-.0000011	-.0040245	.0000000	.0000000
172.00	-.0488459	.0000000	-.0000006	-.0040245	.0000000	.0000000
174.00	-.0479492	.0000000	-.0000003	-.0040245	.0000000	.0000000
176.00	-.0463787	.0000000	-.0000001	-.0040245	.0000000	.0000000
178.00	-.0452988	.0000000	.0000001	-.0040245	.0000000	.0000000
180.00	-.0442538	.0000000	.0000001	-.0040245	.0000000	.0000000
182.00	-.0430476	.0000000	.0000001	-.0040245	.0000000	.0000000
184.00	-.0418802	.0000000	.0000001	-.0040245	.0000000	.0000000
186.00	-.0407506	.0000000	.0000000	-.0040245	.0000000	.0000000
188.00	-.0396580	.0000000	.0000000	-.0040245	.0000000	.0000000
190.00	-.0386015	.0000000	.0000000	-.0040245	.0000000	.0000000
192.00	-.0373321	.0000000	.0000000	-.0040245	.0000000	.0000000
194.00	-.0361040	.0000000	.0000000	-.0040245	.0000000	.0000000
196.00	-.0349161	.0000000	.0000000	-.0040245	.0000000	.0000000
198.00	-.0337671	.0000000	.0000000	-.0040245	.0000000	.0000000

* * * Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 132 Load Case No. 4 * * *

Dist. Along Pile (Ft)	Deflections (in)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
200.00	-.0326561	.0000000	.0000000	-.0040245	.0000000	.0000000
202.00	-.0315819	.0000000	.0000000	-.0040245	.0000000	.0000000
204.00	-.0305435	.0000000	.0000000	-.0040245	.0000000	.0000000
206.00	-.0295399	.0000000	.0000000	-.0040245	.0000000	.0000000
208.00	-.0285701	.0000000	.0000000	-.0040245	.0000000	.0000000
210.00	-.0276333	.0000000	.0000000	-.0040245	.0000000	.0000000
212.00	-.0267285	.0000000	.0000000	-.0040245	.0000000	.0000000
214.00	-.0258600	.0000000	.0000000	-.0040245	.0000000	.0000000
216.00	-.0250317	.0000000	.0000000	-.0040245	.0000000	.0000000
218.00	-.0242425	.0000000	.0000000	-.0040245	.0000000	.0000000
220.00	-.0234914	.0000000	.0000000	-.0040245	.0000000	.0000000
222.00	-.0227773	.0000000	.0000000	-.0040245	.0000000	.0000000
224.00	-.0220992	.0000000	.0000000	-.0040245	.0000000	.0000000
226.00	-.0214564	.0000000	.0000000	-.0040245	.0000000	.0000000
228.00	-.0208479	.0000000	.0000000	-.0040245	.0000000	.0000000
230.00	-.0202729	.0000000	.0000000	-.0040245	.0000000	.0000000
232.00	-.0197306	.0000000	.0000000	-.0040245	.0000000	.0000000
234.00	-.0192203	.0000000	.0000000	-.0040245	.0000000	.0000000
236.00	-.0187414	.0000000	.0000000	-.0040245	.0000000	.0000000
238.00	-.0182932	.0000000	.0000000	-.0040245	.0000000	.0000000
240.00	-.0178750	.0000000	.0000000	-.0040245	.0000000	.0000000
242.00	-.0174864	.0000000	.0000000	-.0040245	.0000000	.0000000
244.00	-.0171268	.0000000	.0000000	-.0040245	.0000000	.0000000
246.00	-.0167957	.0000000	.0000000	-.0040245	.0000000	.0000000
248.00	-.0164928	.0000000	.0000000	-.0040245	.0000000	.0000000
250.00	-.0162175	.0000000	.0000000	-.0040245	.0000000	.0000000
252.00	-.0159695	.0000000	.0000000	-.0040245	.0000000	.0000000
254.00	-.0157485	.0000000	.0000000	-.0040245	.0000000	.0000000
256.00	-.0155542	.0000000	.0000000	-.0040245	.0000000	.0000000
258.00	-.0153863	.0000000	.0000000	-.0040245	.0000000	.0000000
260.00	-.0152446	.0000000	.0000000	-.0040245	.0000000	.0000000
262.00	-.0151290	.0000000	.0000000	-.0040245	.0000000	.0000000
264.00	-.0150392	.0000000	.0000000	-.0040245	.0000000	.0000000
266.00	-.0149751	.0000000	.0000000	-.0040245	.0000000	.0000000
268.00	-.0149367	.0000000	.0000000	-.0040245	.0000000	.0000000

*** Pile Head Load And Deformation Report For Pile Joint 142 Load Case No. 4 ***

		Allowable Modifier	2.000		
			X	Y	Z
Specified Springs:	Translational (Kips/in)				
	Rotational (In-Kips/Rad)		1.00		
Calculated Loads:	Force (Kips)		-638.054	250.962	-242.506
	Moment (In-Kips)		-.001	54032.800	57122.460
Calculated Displacements:	Translational (in)		-.1669	33.4760	-32.6676
	Rotational (Rad)		-.00089	-.03423	-.03470

*** Pile Detail Report For Pile Joint 142 Load Case No. 4 ***

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 (K)	Fy (KSI)			Axial	Bend.	Total
.00	46.77	-44	637.5	0.	348.1	-44	78629.	-43	42.00	1.75	36.0	2.88	36.78	.07	.68	.75
2.00	45.59	-44	635.0	0.	346.2	-44	71031.	-43	42.00	1.75	36.0	2.87	33.22	.07	.62	.68
4.00	44.37	-44	632.5	0.	344.1	-44	63496.	-43	42.00	1.75	36.0	2.86	29.70	.07	.55	.62
6.00	43.12	-44	630.0	0.	341.9	-44	56027.	-43	42.00	1.75	36.0	2.85	26.21	.07	.49	.55
8.00	41.85	-44	627.5	0.	339.4	-44	48624.	-43	42.00	1.75	36.0	2.84	22.74	.07	.42	.49
10.00	40.56	-44	625.0	0.	336.8	-44	41290.	-42	42.00	1.75	36.0	2.82	19.31	.07	.36	.42
12.00	39.25	-44	622.5	0.	334.0	-44	34028.	-42	42.00	1.75	36.0	2.81	15.92	.07	.29	.36
14.00	37.92	-44	620.1	0.	331.1	-44	26839.	-42	42.00	1.75	36.0	2.80	12.55	.06	.23	.30
16.00	36.59	-44	617.6	0.	328.0	-44	19726.	-41	42.00	1.75	36.0	2.79	9.23	.06	.17	.24
18.00	35.24	-44	615.2	0.	324.8	-44	12693.	-40	42.00	1.75	36.0	2.78	5.94	.06	.11	.17
20.00	33.89	-44	612.7	0.	321.4	-43	5757.	-36	42.00	1.75	36.0	2.77	2.69	.06	.05	.11
22.00	32.53	-44	610.3	0.	317.9	-43	1399.	103	42.00	1.75	36.0	2.76	.65	.06	.01	.08
24.00	31.18	-44	607.9	0.	314.3	-43	8017.	130	42.00	1.75	36.0	2.75	3.75	.06	.07	.13
26.00	29.83	-44	605.5	0.	310.5	-43	14723.	133	42.00	1.75	36.0	2.74	6.89	.06	.13	.19
28.00	28.48	-44	603.1	0.	306.7	-43	21356.	134	42.00	1.75	36.0	2.73	9.99	.06	.18	.25
30.00	27.15	-44	600.7	0.	302.7	-43	27907.	134	42.00	1.75	36.0	2.71	13.05	.06	.24	.30
32.00	25.83	-44	598.3	0.	298.6	-43	34375.	134	42.00	1.75	36.0	2.70	16.08	.06	.30	.36
34.00	24.52	-44	594.1	0.	287.1	-43	40758.	134	42.00	1.75	36.0	2.68	19.06	.06	.35	.42
36.00	23.23	-44	588.1	0.	268.7	-43	46882.	135	42.00	1.75	36.0	2.66	21.93	.06	.41	.47
38.00	21.96	-44	582.1	0.	250.6	-43	52584.	135	42.00	1.75	36.0	2.63	24.60	.06	.46	.52
40.00	20.72	-44	576.3	0.	232.8	-43	57871.	135	42.00	1.75	36.0	2.60	27.07	.06	.50	.56
42.00	19.50	-44	570.5	0.	215.4	-43	62755.	135	42.00	1.75	36.0	2.58	29.35	.06	.54	.60
44.00	18.31	-44	564.8	0.	198.3	-43	67243.	135	42.00	1.75	36.0	2.55	31.45	.06	.58	.64
46.00	17.15	-44	559.1	0.	181.6	-43	71346.	135	42.00	1.75	36.0	2.53	33.37	.06	.62	.68
48.00	16.02	-44	553.5	0.	165.3	-43	75073.	135	42.00	1.75	36.0	2.50	35.11	.06	.65	.71
50.00	14.92	-44	547.9	0.	149.4	-43	78432.	135	42.00	1.75	36.0	2.48	36.69	.06	.68	.74
52.00	13.86	-44	542.4	0.	133.9	-43	81435.	135	42.00	1.75	36.0	2.45	38.09	.06	.71	.76
54.00	12.83	-44	537.0	0.	118.7	-43	84091.	135	42.00	1.75	36.0	2.43	39.33	.06	.73	.78
56.00	11.84	-44	531.6	0.	104.0	-43	86408.	135	42.00	1.75	36.0	2.40	40.42	.06	.75	.80
58.00	10.89	-44	526.3	0.	89.6	-43	88397.	135	42.00	1.75	36.0	2.38	41.35	.06	.77	.82
60.00	9.98	-44	521.1	0.	75.7	-43	90068.	135	42.00	1.75	36.0	2.35	42.13	.05	.78	.83
62.00	9.10	-44	515.9	0.	62.2	-43	91431.	135	42.00	1.75	36.0	2.33	42.77	.05	.79	.85
64.00	8.27	-44	510.7	0.	49.1	-43	92495.	135	42.00	1.75	36.0	2.31	43.26	.05	.80	.85
66.00	7.48	-44	505.6	0.	36.5	-42	93270.	135	42.00	1.75	36.0	2.28	43.63	.05	.81	.86
68.00	6.73	-44	500.6	0.	24.3	-41	93767.	135	42.00	1.75	36.0	2.26	43.86	.05	.81	.86
70.00	6.02	-44	495.6	0.	12.6	-40	93995.	135	42.00	1.75	36.0	2.24	43.97	.05	.81	.87
72.00	5.36	-44	490.7	0.	1.6	-8	93965.	135	42.00	1.75	36.0	2.22	43.95	.05	.81	.87
74.00	4.73	-44	485.8	0.	9.6	130	93689.	135	42.00	1.75	36.0	2.20	43.82	.05	.81	.86
76.00	4.15	-44	481.0	0.	20.0	133	93176.	135	42.00	1.75	36.0	2.17	43.58	.05	.81	.86
78.00	3.60	-44	476.3	0.	29.8	134	92436.	135	42.00	1.75	36.0	2.15	43.24	.05	.80	.85
80.00	3.10	-44	471.6	0.	39.1	134	91482.	135	42.00	1.75	36.0	2.13	42.79	.05	.79	.84
82.00	2.64	-44	466.9	0.	48.0	134	90326.	135	42.00	1.75	36.0	2.11	42.25	.05	.78	.83
84.00	2.22	-44	462.3	0.	56.4	135	88979.	135	42.00	1.75	36.0	2.09	41.62	.05	.77	.82
86.00	1.84	-44	457.7	0.	64.2	135	87450.	135	42.00	1.75	36.0	2.07	40.90	.05	.76	.81
88.00	1.50	-44	453.2	0.	71.5	135	85751.	135	42.00	1.75	36.0	2.05	40.11	.05	.74	.79
90.00	1.19	-44	448.8	0.	78.3	135	83896.	135	42.00	1.75	36.0	2.03	39.24	.05	.73	.77
92.00	.92	-44	444.4	0.	84.6	135	81896.	135	42.00	1.75	36.0	2.01	38.31	.05	.71	.76
94.00	.69	-44	440.0	0.	90.2	135	79763.	135	42.00	1.75	36.0	1.99	37.31	.05	.69	.74
96.00	.49	-44	435.7	0.	95.3	135	77511.	135	42.00	1.75	36.0	1.97	36.25	.05	.67	.72
98.00	.33	-44	431.5	0.	99.7	135	75152.	135	42.00	1.75	36.0	1.95	35.15	.05	.65	.70

*** Pile Detail Report For Pile Joint 142 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Value (in)	Angle (Deg)	(Kips)	(In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (in)	WT	Fy (KSI)			Axial	Bond	Total
100.00	.20	-44	427.3	0.	102.9	135	72703.	135	42.00	1.75	36.0	1.93	34.01	.04	.63	.67
102.00	.10	-43	417.0	0.	467.9	135	70192.	135	42.00	1.75	36.0	1.88	32.83	.04	.61	.65
104.00	.04	-43	406.9	0.	602.1	135	58933.	135	42.00	1.75	36.0	1.84	27.57	.04	.51	.55
106.00	.00	135	397.0	0.	590.1	135	44467.	135	42.00	1.75	36.0	1.79	20.80	.04	.39	.43
108.00	.02	135	387.4	0.	499.5	135	30297.	135	42.00	1.75	36.0	1.75	14.17	.04	.26	.30
110.00	.03	135	377.9	0.	378.7	135	18306.	135	42.00	1.75	36.0	1.71	8.56	.04	.16	.20
112.00	.03	135	368.7	0.	258.6	135	9218.	136	42.00	1.75	36.0	1.67	4.31	.04	.08	.12
114.00	.03	135	359.6	0.	156.3	135	3012.	136	42.00	1.75	36.0	1.62	1.41	.04	.03	.06
116.00	.02	135	350.7	0.	78.4	136	736.	-44	42.00	1.75	36.0	1.58	.34	.04	.01	.04
118.00	.01	135	342.0	0.	25.2	136	2616.	-44	42.00	1.75	36.0	1.55	1.22	.04	.02	.06
120.00	.01	135	333.5	0.	7.0	-44	3218.	-44	42.00	1.75	36.0	1.51	1.51	.03	.03	.06
122.00	.00	136	325.1	0.	23.0	-44	3049.	-44	42.00	1.75	36.0	1.47	1.43	.03	.03	.06
124.00	.00	136	316.9	0.	28.0	-44	2495.	-44	42.00	1.75	36.0	1.43	1.17	.03	.02	.05
126.00	.00	-44	308.9	0.	26.4	-44	1822.	-44	42.00	1.75	36.0	1.40	.85	.03	.02	.05
128.00	.00	-44	301.1	0.	21.5	-44	1189.	-44	42.00	1.75	36.0	1.36	.56	.03	.01	.04
130.00	.00	-44	293.4	0.	15.6	-44	673.	-43	42.00	1.75	36.0	1.33	.31	.03	.01	.04
132.00	.00	-44	285.8	0.	10.1	-44	300.	-43	42.00	1.75	36.0	1.29	.14	.03	.00	.03
134.00	.00	-44	278.4	0.	5.6	-43	59.	-43	42.00	1.75	36.0	1.26	.03	.03	.00	.03
136.00	.00	-44	271.2	0.	2.4	-43	76.	135	42.00	1.75	36.0	1.23	.04	.03	.00	.03
138.00	.00	-44	264.0	0.	.3	-43	133.	135	42.00	1.75	36.0	1.19	.06	.03	.00	.03
140.00	.00	-43	257.1	0.	.8	135	141.	135	42.00	1.75	36.0	1.16	.07	.03	.00	.03
142.00	.00	0	250.2	0.	1.2	135	123.	135	42.00	1.75	36.0	1.13	.06	.03	.00	.03
144.00	.00	0	243.5	0.	1.3	135	93.	135	42.00	1.75	36.0	1.10	.04	.03	.00	.03
146.00	.00	0	236.9	0.	1.1	135	63.	135	42.00	1.75	36.0	1.07	.03	.02	.00	.02
148.00	.00	0	230.4	0.	.8	135	37.	135	42.00	1.75	36.0	1.04	.02	.02	.00	.02
150.00	.00	0	224.1	0.	.6	135	18.	136	42.00	1.75	36.0	1.01	.01	.02	.00	.02
152.00	.00	0	217.7	0.	.3	135	4.	136	42.00	1.75	36.0	.98	.00	.02	.00	.02
154.00	.00	0	211.2	0.	.1	136	3.	-44	42.00	1.75	36.0	.95	.00	.02	.00	.02
156.00	.00	0	204.9	0.	.0	136	6.	-44	42.00	1.75	36.0	.93	.00	.02	.00	.02
158.00	.00	0	198.7	0.	.0	-44	7.	-44	42.00	1.75	36.0	.90	.00	.02	.00	.02
160.00	.00	0	192.6	0.	.1	-44	6.	-44	42.00	1.75	36.0	.87	.00	.02	.00	.02
162.00	.00	0	186.6	0.	.1	-44	4.	-44	42.00	1.75	36.0	.84	.00	.02	.00	.02
164.00	.00	0	180.7	0.	.0	-44	2.	-44	42.00	1.75	36.0	.82	.00	.02	.00	.02
166.00	.00	0	174.9	0.	.0	-44	1.	-43	42.00	1.75	36.0	.79	.00	.02	.00	.02
168.00	.00	0	169.2	0.	.0	-44	0.	-43	42.00	1.75	36.0	.76	.00	.02	.00	.02
170.00	.00	0	163.7	0.	.0	-43	0.	134	42.00	1.50	36.0	.86	.00	.02	.00	.02
172.00	.00	0	158.4	0.	.0	-43	0.	135	42.00	1.50	36.0	.83	.00	.02	.00	.02
174.00	.00	0	153.2	0.	.0	135	0.	135	42.00	1.50	36.0	.80	.00	.02	.00	.02
176.00	.00	0	148.1	0.	.0	135	0.	135	42.00	1.50	36.0	.78	.00	.02	.00	.02
178.00	.00	0	143.1	0.	.0	135	0.	135	42.00	1.50	36.0	.75	.00	.02	.00	.02
180.00	.00	0	138.3	0.	.0	135	0.	135	42.00	1.25	36.0	.86	.00	.02	.00	.02
182.00	.00	0	133.7	0.	.0	135	0.	135	42.00	1.25	36.0	.84	.00	.02	.00	.02
184.00	.00	0	129.2	0.	.0	135	0.	136	42.00	1.25	36.0	.81	.00	.02	.00	.02
186.00	.00	0	124.9	0.	.0	136	0.	-44	42.00	1.25	36.0	.78	.00	.02	.00	.02
188.00	.00	0	120.6	0.	.0	0	0.	-44	42.00	1.25	36.0	.75	.00	.02	.00	.02
190.00	.00	0	116.5	0.	.0	0	0.	-44	42.00	1.00	36.0	.90	.00	.02	.00	.02
192.00	.00	0	112.6	0.	.0	0	0.	-44	42.00	1.00	36.0	.87	.00	.02	.00	.02
194.00	.00	0	108.8	0.	.0	0	0.	-44	42.00	1.00	36.0	.85	.00	.02	.00	.02
196.00	.00	0	105.2	0.	.0	0	0.	-44	42.00	1.00	36.0	.82	.00	.02	.00	.02
198.00	.00	0	101.6	0.	.0	0	0.	-43	42.00	1.00	36.0	.79	.00	.02	.00	.02

*** Pile Detail Report For Pile Joint 142 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial		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	98.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.76	.00	.02	.00	.02
202.00	.00	0	94.8	0.	.0	0	0.	135	42.00	1.00	36.0	.74	.00	.02	.00	.02
204.00	.00	0	91.5	0.	.0	0	0.	135	42.00	1.00	36.0	.71	.00	.02	.00	.02
206.00	.00	0	88.3	0.	.0	0	0.	135	42.00	1.00	36.0	.69	.00	.02	.00	.02
208.00	.00	0	85.2	0.	.0	0	0.	135	42.00	1.00	36.0	.66	.00	.02	.00	.02
210.00	.00	0	82.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.64	.00	.01	.00	.01
212.00	.00	0	79.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.62	.00	.01	.00	.01
214.00	.00	0	75.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.59	.00	.01	.00	.01
216.00	.00	0	72.0	0.	.0	0	0.	-90	42.00	1.00	36.0	.56	.00	.01	.00	.01
218.00	.00	0	68.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.53	.00	.01	.00	.01
220.00	.00	0	65.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.51	.00	.01	.00	.01
222.00	.00	0	61.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.48	.00	.01	.00	.01
224.00	.00	0	58.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.46	.00	.01	.00	.01
226.00	.00	0	55.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.43	.00	.01	.00	.01
228.00	.00	0	52.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.41	.00	.01	.00	.01
230.00	.00	0	49.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.38	.00	.01	.00	.01
232.00	.00	0	46.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.36	.00	.01	.00	.01
234.00	.00	0	43.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.34	.00	.01	.00	.01
236.00	.00	0	40.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.32	.00	.01	.00	.01
238.00	.00	0	38.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.30	.00	.01	.00	.01
240.00	.00	0	35.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.28	.00	.01	.00	.01
242.00	.00	0	32.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.25	.00	.01	.00	.01
244.00	.00	0	30.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.23	.00	.01	.00	.01
246.00	.00	0	27.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.21	.00	.00	.00	.00
248.00	.00	0	25.1	0.	.0	0	0.	-90	42.00	1.00	36.0	.19	.00	.00	.00	.00
250.00	.00	0	22.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.18	.00	.00	.00	.00
252.00	.00	0	20.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.16	.00	.00	.00	.00
254.00	.00	0	17.7	0.	.0	0	0.	-90	42.00	1.00	36.0	.14	.00	.00	.00	.00
256.00	.00	0	15.3	0.	.0	0	0.	-90	42.00	1.00	36.0	.12	.00	.00	.00	.00
258.00	.00	0	12.9	0.	.0	0	0.	-90	42.00	1.00	36.0	.10	.00	.00	.00	.00
260.00	.00	0	10.6	0.	.0	0	0.	-90	42.00	1.00	36.0	.08	.00	.00	.00	.00
262.00	.00	0	8.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.06	.00	.00	.00	.00
264.00	.00	0	5.8	0.	.0	0	0.	-90	42.00	1.00	36.0	.05	.00	.00	.00	.00
266.00	.00	0	3.5	0.	.0	0	0.	-90	42.00	1.00	36.0	.03	.00	.00	.00	.00
268.00	.00	0	1.2	0.	.0	0	0.	-90	42.00	1.00	36.0	.01	.00	.00	.00	.00

*** Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 142 Load Case No. 4 ***

Dist. Along Pile (Ft)	----- Deflections (in) -----			----- Rotations (Rad) -----		
	X	Y	Z	X	Y	Z
.00	-.1669187	33.4760100	-32.6676000	-.0008923	-.0342286	-.0347017
2.00	-.1645343	32.6309400	-31.8345500	-.0008923	-.0351760	-.0357042
4.00	-.1621594	31.7630100	-30.9799300	-.0008923	-.0360266	-.0366063
6.00	-.1597939	30.8746300	-30.1060400	-.0008923	-.0367811	-.0374089
8.00	-.1574378	29.9681700	-29.2151900	-.0008923	-.0374405	-.0381128
10.00	-.1550911	29.0460000	-28.3096500	-.0008923	-.0380056	-.03877190
12.00	-.1527536	28.1104400	-27.3916700	-.0008923	-.0384773	-.0392282
14.00	-.1504254	27.1638100	-26.4634800	-.0008923	-.0388566	-.0396416
16.00	-.1481064	26.2084000	-25.5272900	-.0008923	-.0391443	-.0399600
18.00	-.1457966	25.2464800	-24.5852800	-.0008923	-.0393414	-.0401846
20.00	-.1434960	24.2802800	-23.6396200	-.0008923	-.0394489	-.0403161
22.00	-.1412045	23.3120400	-22.6924400	-.0008923	-.0394679	-.0403559
24.00	-.1389220	22.3439300	-21.7458600	-.0008923	-.0393993	-.0403047
26.00	-.1366487	21.3781300	-20.8019700	-.0008923	-.0392442	-.0401639
28.00	-.1343843	20.4167700	-19.8628200	-.0008923	-.0390036	-.0399343
30.00	-.1321290	19.4619800	-18.9304700	-.0008923	-.0386786	-.0396173
32.00	-.1298826	18.5158300	-18.0069200	-.0008923	-.0382703	-.0392138
34.00	-.1276451	17.5804000	-17.0941500	-.0008923	-.0377798	-.0387250
36.00	-.1254234	16.6577000	-16.1941300	-.0008923	-.0372093	-.0381531
38.00	-.1232241	15.7496800	-15.3087100	-.0008923	-.0365632	-.0375028
40.00	-.1210469	14.8581500	-14.4396500	-.0008923	-.0358469	-.0367795
42.00	-.1188917	13.9848000	-13.5885800	-.0008923	-.0350655	-.0359886
44.00	-.1167581	13.1312000	-12.7569900	-.0008923	-.0342243	-.0351354
46.00	-.1146460	12.2987600	-11.9462500	-.0008923	-.0333283	-.0342251
48.00	-.1125551	11.4888100	-11.1576300	-.0008923	-.0323823	-.0332627
50.00	-.1104852	10.7025300	-10.3922600	-.0008923	-.0313911	-.0322532
52.00	-.1084360	9.9409930	-9.6511820	-.0008923	-.0303594	-.0312013
54.00	-.1064074	9.2051670	-8.9353020	-.0008923	-.0292916	-.0301116
56.00	-.1043991	8.4959000	-8.2454360	-.0008923	-.0281923	-.0289888
58.00	-.1024108	7.8139350	-7.5822900	-.0008923	-.0270656	-.0278372
60.00	-.1004425	7.1599110	-6.9464720	-.0008923	-.0259157	-.0266611
62.00	-.0984938	6.5343670	-6.3384890	-.0008923	-.0247467	-.0254646
64.00	-.0965645	5.9377410	-5.7587540	-.0008923	-.0235623	-.0242518
66.00	-.0946545	5.3703800	-5.2075890	-.0008923	-.0223665	-.0230265
68.00	-.0927635	4.8325380	-4.6852260	-.0008923	-.0211628	-.0217926
70.00	-.0908913	4.3243780	-4.1918110	-.0008923	-.0199547	-.0205535
72.00	-.0890378	3.8459820	-3.7274080	-.0008923	-.0187456	-.0193129
74.00	-.0872026	3.3973470	-3.2920020	-.0008923	-.0175388	-.0180740
76.00	-.0853856	2.9783920	-2.8855010	-.0008923	-.0163374	-.0168400
78.00	-.0835866	2.5889610	-2.5077410	-.0008923	-.0151442	-.0156141
80.00	-.0818055	2.2288280	-2.1584890	-.0008923	-.0139622	-.0143991
82.00	-.0800419	1.8976950	-1.8374430	-.0008923	-.0127941	-.0131978
84.00	-.0782958	1.5952040	-1.5442430	-.0008923	-.0116422	-.0120128
86.00	-.0765669	1.3209320	-1.2784660	-.0008923	-.0105091	-.0108465
88.00	-.0748550	1.0744020	-1.0396370	-.0008923	-.0093970	-.0097014
90.00	-.0731600	.8550806	-.8272259	-.0008923	-.0083079	-.0085795
92.00	-.0714816	.6623859	-.6406558	-.0008923	-.0072439	-.0074828
94.00	-.0698197	.4956894	-.4793051	-.0008923	-.0062066	-.0064132
96.00	-.0681741	.3543203	-.3425111	-.0008923	-.0051977	-.0053724
98.00	-.0665446	.2375704	-.2295748	-.0008923	-.0042187	-.0043619

*** Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 142 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (in)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
100.00	-.0649310	.1446973	-.1397644	-.0008923	-.0032708	-.0033829
102.00	-.0633331	.0749306	-.0723209	-.0008923	-.0023549	-.0024365
104.00	-.0617737	.0270178	-.0260201	-.0008923	-.0015275	-.0015811
106.00	-.0602519	-.0023234	.0023211	-.0008923	-.0008651	-.0008960
108.00	-.0587671	-.0175053	.0169743	-.0008923	-.0003862	-.0004005
110.00	-.0573184	-.0229336	.0222019	-.0008923	-.0000750	-.0000783
112.00	-.0559050	-.0223831	.0216546	-.0008923	.0001012	.0001041
114.00	-.0545263	-.0187456	.0181277	-.0008923	.0001795	.0001853
116.00	-.0531815	-.0140177	.0135508	-.0008923	.0001940	.0002004
118.00	-.0518699	-.0094234	.0091061	-.0008923	.0001724	.0001783
120.00	-.0505909	-.0055924	.0054015	-.0008923	.0001350	.0001396
122.00	-.0493437	-.0027435	.0026475	-.0008923	.0000948	.0000981
124.00	-.0481278	-.0008436	.0008116	-.0008923	.0000593	.0000614
126.00	-.0469425	.0002691	-.0002629	-.0008923	.0000317	.0000328
128.00	-.0457872	.0007999	-.0007752	-.0008923	.0000124	.0000128
130.00	-.0446612	.0009463	-.0009159	-.0008923	.0000005	.0000005
132.00	-.0435641	.0008710	-.0008425	-.0008923	-.0000058	-.0000060
134.00	-.0424952	.0006931	-.0006702	-.0008923	-.0000081	-.0000083
136.00	-.0414540	.0004909	-.0004744	-.0008923	-.0000080	-.0000082
138.00	-.0404399	.0003085	-.0002981	-.0008923	-.0000066	-.0000068
140.00	-.0394524	.0001658	-.0001600	-.0008923	-.0000049	-.0000050
142.00	-.0384911	.0000664	-.0000640	-.0008923	-.0000032	-.0000033
144.00	-.0375553	.0000055	-.0000052	-.0008923	-.0000018	-.0000019
146.00	-.0366447	-.0000258	.0000250	-.0008923	-.0000008	-.0000008
148.00	-.0357587	-.0000368	.0000357	-.0008923	-.0000001	-.0000002
150.00	-.0348969	-.0000357	.0000345	-.0008923	.0000002	.0000002
152.00	-.0340588	-.0000286	.0000277	-.0008923	.0000003	.0000004
154.00	-.0332447	-.0000199	.0000192	-.0008923	.0000003	.0000004
156.00	-.0324547	-.0000119	.0000115	-.0008923	.0000003	.0000003
158.00	-.0316883	-.0000059	.0000057	-.0008923	.0000002	.0000002
160.00	-.0309452	-.0000019	.0000018	-.0008923	.0000001	.0000001
162.00	-.0302250	.0000003	-.0000003	-.0008923	.0000001	.0000001
164.00	-.0295272	.0000013	-.0000013	-.0008923	.0000000	.0000000
166.00	-.0288515	.0000015	-.0000015	-.0008923	.0000000	.0000000
168.00	-.0281974	.0000013	-.0000013	-.0008923	.0000000	.0000000
170.00	-.0275647	.0000010	-.0000010	-.0008923	.0000000	.0000000
172.00	-.0268549	.0000006	-.0000006	-.0008923	.0000000	.0000000
174.00	-.0261680	.0000003	-.0000003	-.0008923	.0000000	.0000000
176.00	-.0255037	.0000001	-.0000001	-.0008923	.0000000	.0000000
178.00	-.0248614	.0000000	.0000000	-.0008923	.0000000	.0000000
180.00	-.0242408	-.0000001	.0000001	-.0008923	.0000000	.0000000
182.00	-.0235255	-.0000001	.0000001	-.0008923	.0000000	.0000000
184.00	-.0228339	-.0000001	.0000001	-.0008923	.0000000	.0000000
186.00	-.0221654	.0000000	.0000000	-.0008923	.0000000	.0000000
188.00	-.0215197	.0000000	.0000000	-.0008923	.0000000	.0000000
190.00	-.0208961	.0000000	.0000000	-.0008923	.0000000	.0000000
192.00	-.0201477	.0000000	.0000000	-.0008923	.0000000	.0000000
194.00	-.0194242	.0000000	.0000000	-.0008923	.0000000	.0000000
196.00	-.0187249	.0000000	.0000000	-.0008923	.0000000	.0000000
198.00	-.0180490	.0000000	.0000000	-.0008923	.0000000	.0000000

* * * Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 14Z Load Case No. 4 * * *

Dist. Along Pile (Ft)	Deflections (in)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
200.00	-.0173961	.0000000	.0000000	-.0008923	.0000000	.0000000
202.00	-.0167654	.0000000	.0000000	-.0008923	.0000000	.0000000
204.00	-.0161564	.0000000	.0000000	-.0008923	.0000000	.0000000
206.00	-.0155684	.0000000	.0000000	-.0008923	.0000000	.0000000
208.00	-.0150009	.0000000	.0000000	-.0008923	.0000000	.0000000
210.00	-.0144534	.0000000	.0000000	-.0008923	.0000000	.0000000
212.00	-.0139253	.0000000	.0000000	-.0008923	.0000000	.0000000
214.00	-.0134162	.0000000	.0000000	-.0008923	.0000000	.0000000
216.00	-.0129307	.0000000	.0000000	-.0008923	.0000000	.0000000
218.00	-.0124680	.0000000	.0000000	-.0008923	.0000000	.0000000
220.00	-.0120277	.0000000	.0000000	-.0008923	.0000000	.0000000
222.00	-.0116091	.0000000	.0000000	-.0008923	.0000000	.0000000
224.00	-.0112116	.0000000	.0000000	-.0008923	.0000000	.0000000
226.00	-.0108348	.0000000	.0000000	-.0008923	.0000000	.0000000
228.00	-.0104781	.0000000	.0000000	-.0008923	.0000000	.0000000
230.00	-.0101410	.0000000	.0000000	-.0008923	.0000000	.0000000
232.00	-.0098231	.0000000	.0000000	-.0008923	.0000000	.0000000
234.00	-.0095240	.0000000	.0000000	-.0008923	.0000000	.0000000
236.00	-.0092433	.0000000	.0000000	-.0008923	.0000000	.0000000
238.00	-.0089805	.0000000	.0000000	-.0008923	.0000000	.0000000
240.00	-.0087354	.0000000	.0000000	-.0008923	.0000000	.0000000
242.00	-.0085076	.0000000	.0000000	-.0008923	.0000000	.0000000
244.00	-.0082968	.0000000	.0000000	-.0008923	.0000000	.0000000
246.00	-.0081027	.0000000	.0000000	-.0008923	.0000000	.0000000
248.00	-.0079251	.0000000	.0000000	-.0008923	.0000000	.0000000
250.00	-.0077637	.0000000	.0000000	-.0008923	.0000000	.0000000
252.00	-.0076184	.0000000	.0000000	-.0008923	.0000000	.0000000
254.00	-.0074888	.0000000	.0000000	-.0008923	.0000000	.0000000
256.00	-.0073749	.0000000	.0000000	-.0008923	.0000000	.0000000
258.00	-.0072765	.0000000	.0000000	-.0008923	.0000000	.0000000
260.00	-.0071934	.0000000	.0000000	-.0008923	.0000000	.0000000
262.00	-.0071256	.0000000	.0000000	-.0008923	.0000000	.0000000
264.00	-.0070730	.0000000	.0000000	-.0008923	.0000000	.0000000
266.00	-.0070355	.0000000	.0000000	-.0008923	.0000000	.0000000
268.00	-.0070130	.0000000	.0000000	-.0008923	.0000000	.0000000

*** Pile Head Load And Deformation Report For Pile Joint 152 Load Case No. 4 ***

	Allowable Modifier	2.000			
			X	Y	Z
Specified Springs:	Translational (Kips/In)				
	Rotational (In-Kips/Rad)	1.00			
Calculated Loads:	Force (Kips)	2559.026	-126.409	148.002	
	Moment (In-Kips)	-.008	-57653.620	-46999.130	
Calculated Displacements:	Translational (In)	.8769	-28.1256	30.8038	
	Rotational (Rad)	-.00817	.03428	.03261	

*** Pile Detail Report For Pile Joint 15Z Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		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 (KSI)	Fy (KSI)			Axial	Bend.	Total
.00	41.71	132	-2558.4	0.	193.8	130	74383.	129	42.00	1.75	36.0	-11.56	34.79	.27	.64	.91
2.00	40.56	132	-2558.7	0.	192.0	130	66797.	128	42.00	1.75	36.0	-11.56	31.24	.27	.58	.85
4.00	39.38	132	-2559.0	0.	190.0	130	59180.	128	42.00	1.75	36.0	-11.56	27.68	.27	.51	.78
6.00	38.17	132	-2559.3	0.	187.8	130	51547.	128	42.00	1.75	36.0	-11.57	24.11	.27	.45	.71
8.00	36.94	132	-2559.6	0.	185.5	130	43911.	127	42.00	1.75	36.0	-11.57	20.54	.27	.38	.65
10.00	35.70	132	-2559.9	0.	183.0	130	36288.	126	42.00	1.75	36.0	-11.57	16.97	.27	.31	.58
12.00	34.43	132	-2560.1	0.	180.3	130	28696.	125	42.00	1.75	36.0	-11.57	13.42	.27	.25	.52
14.00	33.15	132	-2560.3	0.	177.5	130	21158.	123	42.00	1.75	36.0	-11.57	9.90	.27	.18	.45
16.00	31.87	132	-2560.6	0.	174.6	130	13727.	118	42.00	1.75	36.0	-11.57	6.42	.27	.12	.39
18.00	30.57	132	-2560.8	0.	171.5	130	6626.	104	42.00	1.75	36.0	-11.57	3.10	.27	.06	.33
20.00	29.28	132	-2561.0	0.	168.3	130	3398.	14	42.00	1.75	36.0	-11.57	1.59	.27	.03	.30
22.00	27.98	132	-2561.2	0.	164.9	130	9391.	-29	42.00	1.75	36.0	-11.57	4.39	.27	.08	.35
24.00	26.69	132	-2561.3	0.	161.5	130	16431.	-38	42.00	1.75	36.0	-11.57	7.69	.27	.14	.41
26.00	25.41	132	-2561.5	0.	157.9	130	23506.	-41	42.00	1.75	36.0	-11.58	10.99	.27	.20	.47
28.00	24.14	132	-2561.6	0.	154.3	130	30509.	-43	42.00	1.75	36.0	-11.58	14.27	.27	.26	.53
30.00	22.88	131	-2561.8	0.	150.5	130	37407.	-44	42.00	1.75	36.0	-11.58	17.50	.27	.32	.59
32.00	21.63	131	-2561.9	0.	146.7	129	44182.	-44	42.00	1.75	36.0	-11.58	20.67	.27	.38	.65
34.00	20.41	131	-2569.1	0.	135.9	129	50820.	-45	42.00	1.75	36.0	-11.56	23.77	.27	.44	.71
36.00	19.21	131	-2553.2	0.	118.5	129	57142.	-45	42.00	1.75	36.0	-11.54	26.73	.27	.49	.76
38.00	18.03	131	-2547.3	0.	101.6	129	62978.	-46	42.00	1.75	36.0	-11.51	29.46	.27	.55	.81
40.00	16.89	131	-2541.3	0.	85.0	128	68331.	-46	42.00	1.75	36.0	-11.48	31.96	.27	.59	.86
42.00	15.77	131	-2535.3	0.	68.8	127	73204.	-46	42.00	1.75	36.0	-11.46	34.24	.27	.63	.90
44.00	14.68	131	-2529.1	0.	53.0	126	77599.	-46	42.00	1.75	36.0	-11.43	36.30	.26	.67	.94
46.00	13.63	131	-2523.0	0.	37.7	124	81521.	-46	42.00	1.75	36.0	-11.40	38.13	.26	.71	.97
48.00	12.61	131	-2516.7	0.	22.8	119	84976.	-46	42.00	1.75	36.0	-11.37	39.75	.26	.74	1.00
50.00	11.64	131	-2510.4	0.	9.0	100	87968.	-47	42.00	1.75	36.0	-11.34	41.15	.26	.76	1.02
52.00	10.70	131	-2504.1	0.	8.1	-12	90506.	-47	42.00	1.75	36.0	-11.32	42.33	.26	.78	1.05
54.00	9.80	131	-2497.6	0.	21.0	-35	92596.	-47	42.00	1.75	36.0	-11.29	43.31	.26	.80	1.06
56.00	8.94	131	-2491.2	0.	34.2	-40	94246.	-47	42.00	1.75	36.0	-11.26	44.08	.26	.82	1.08
58.00	8.13	131	-2484.6	0.	47.1	-42	95465.	-47	42.00	1.75	36.0	-11.23	44.65	.26	.83	1.09
60.00	7.35	131	-2478.0	0.	59.6	-43	96262.	-47	42.00	1.75	36.0	-11.20	45.03	.26	.83	1.09
62.00	6.62	131	-2471.3	0.	71.7	-44	96647.	-47	42.00	1.75	36.0	-11.17	45.21	.26	.84	1.10
64.00	5.93	131	-2464.6	0.	83.4	-45	96630.	-47	42.00	1.75	36.0	-11.14	45.20	.26	.84	1.09
66.00	5.28	131	-2457.8	0.	94.6	-45	96223.	-47	42.00	1.75	36.0	-11.11	45.01	.26	.83	1.09
68.00	4.68	131	-2451.0	0.	105.4	-45	95438.	-47	42.00	1.75	36.0	-11.08	44.64	.26	.83	1.08
70.00	4.12	131	-2444.0	0.	115.7	-46	94287.	-47	42.00	1.75	36.0	-11.04	44.10	.26	.82	1.07
72.00	3.60	131	-2437.1	0.	125.5	-46	92781.	-47	42.00	1.75	36.0	-11.01	43.40	.25	.80	1.06
74.00	3.12	131	-2430.0	0.	134.9	-46	90936.	-47	42.00	1.75	36.0	-10.98	42.53	.25	.79	1.04
76.00	2.68	131	-2422.9	0.	143.7	-46	88766.	-47	42.00	1.75	36.0	-10.95	41.52	.25	.77	1.02
78.00	2.28	131	-2415.8	0.	152.2	-46	86284.	-47	42.00	1.75	36.0	-10.92	40.36	.25	.75	1.00
80.00	1.92	131	-2408.6	0.	160.2	-46	83504.	-48	42.00	1.75	36.0	-10.88	39.06	.25	.72	.98
82.00	1.60	131	-2401.3	0.	167.7	-46	80441.	-48	42.00	1.75	36.0	-10.85	37.63	.25	.70	.95
84.00	1.31	130	-2394.0	0.	174.7	-47	77111.	-48	42.00	1.75	36.0	-10.82	36.07	.25	.67	.92
86.00	1.06	130	-2386.6	0.	181.3	-47	73529.	-48	42.00	1.75	36.0	-10.79	34.39	.25	.64	.89
88.00	.83	130	-2379.1	0.	187.3	-47	69709.	-48	42.00	1.75	36.0	-10.75	32.61	.25	.60	.85
90.00	.64	130	-2371.6	0.	192.8	-47	65671.	-48	42.00	1.75	36.0	-10.72	30.72	.25	.57	.82
92.00	.48	130	-2364.1	0.	197.8	-47	61429.	-48	42.00	1.75	36.0	-10.68	28.73	.25	.53	.78
94.00	.34	130	-2356.4	0.	202.3	-47	57002.	-48	42.00	1.75	36.0	-10.65	26.66	.25	.49	.74
96.00	.24	130	-2348.8	0.	206.0	-47	52406.	-48	42.00	1.75	36.0	-10.61	24.51	.25	.45	.70
98.00	.15	130	-2341.0	0.	208.4	-47	47667.	-48	42.00	1.75	36.0	-10.58	22.30	.24	.41	.66

*** Pile Detail Report For Pile Joint 15Z Load Case No. 4 ***

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	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend.	Axial	Bend.	Total
100.00	.08	129	-2333.4	0.	209.7	-47	42822.	-49	42.00	1.75	36.0	-10.54	20.03	.24	.37	.62
102.00	.04	129	-2279.1	0.	337.0	-48	37901.	-49	42.00	1.75	36.0	-10.30	17.73	.24	.33	.57
104.00	.01	125	-2225.9	0.	359.5	-49	29882.	-49	42.00	1.75	36.0	-10.06	13.98	.23	.26	.49
106.00	.01	-47	-2173.9	0.	321.0	-49	21291.	-49	42.00	1.75	36.0	-9.82	9.96	.23	.18	.41
108.00	.02	-48	-2123.1	0.	254.3	-49	13603.	-49	42.00	1.75	36.0	-9.59	6.36	.22	.12	.34
110.00	.02	-48	-2073.3	0.	181.6	-49	7502.	-50	42.00	1.75	36.0	-9.37	3.51	.22	.06	.28
112.00	.02	-49	-2024.6	0.	116.0	-49	3139.	-50	42.00	1.75	36.0	-9.15	1.47	.21	.03	.24
114.00	.01	-49	-1977.0	0.	63.8	-50	350.	-58	42.00	1.75	36.0	-8.93	.16	.21	.00	.21
116.00	.01	-49	-1930.4	0.	26.4	-50	1194.	132	42.00	1.75	36.0	-8.72	.56	.20	.01	.21
118.00	.01	-49	-1884.8	0.	2.5	-60	1833.	131	42.00	1.75	36.0	-8.52	.86	.20	.02	.21
120.00	.00	-50	-1840.2	0.	10.7	132	1896.	130	42.00	1.75	36.0	-8.32	.89	.19	.02	.21
122.00	.00	-50	-1796.5	0.	16.1	131	1642.	130	42.00	1.75	36.0	-8.12	.77	.19	.01	.20
124.00	.00	0	-1753.7	0.	16.5	130	1258.	130	42.00	1.75	36.0	-7.93	.59	.18	.01	.19
126.00	.00	132	-1711.9	0.	14.2	130	864.	130	42.00	1.75	36.0	-7.74	.40	.18	.01	.19
128.00	.00	131	-1671.0	0.	10.8	130	524.	130	42.00	1.75	36.0	-7.55	.25	.17	.00	.18
130.00	.00	130	-1630.9	0.	7.3	130	265.	129	42.00	1.75	36.0	-7.37	.12	.17	.00	.17
132.00	.00	130	-1591.7	0.	4.4	130	88.	128	42.00	1.75	36.0	-7.19	.04	.17	.00	.17
134.00	.00	130	-1553.3	0.	2.2	129	17.	-42	42.00	1.75	36.0	-7.02	.01	.16	.00	.16
136.00	.00	130	-1515.7	0.	.7	128	69.	-48	42.00	1.75	36.0	-6.85	.03	.16	.00	.16
138.00	.00	130	-1478.9	0.	.2	-44	85.	-48	42.00	1.75	36.0	-6.68	.04	.15	.00	.15
140.00	.00	0	-1442.8	0.	.7	-48	79.	-49	42.00	1.75	36.0	-6.52	.04	.15	.00	.15
142.00	.00	0	-1407.5	0.	.8	-48	64.	-49	42.00	1.75	36.0	-6.36	.03	.15	.00	.15
144.00	.00	0	-1373.0	0.	.7	-49	46.	-49	42.00	1.75	36.0	-6.20	.02	.14	.00	.14
146.00	.00	0	-1339.1	0.	.6	-49	29.	-49	42.00	1.75	36.0	-6.05	.01	.14	.00	.14
148.00	.00	0	-1306.0	0.	.4	-49	15.	-50	42.00	1.75	36.0	-5.90	.01	.14	.00	.14
150.00	.00	0	-1273.5	0.	.3	-49	6.	-50	42.00	1.75	36.0	-5.75	.00	.13	.00	.13
152.00	.00	0	-1240.5	0.	.1	-50	0.	164	42.00	1.75	36.0	-5.61	.00	.13	.00	.13
154.00	.00	0	-1206.9	0.	.0	-51	3.	131	42.00	1.75	36.0	-5.45	.00	.13	.00	.13
156.00	.00	0	-1174.1	0.	.0	134	4.	131	42.00	1.75	36.0	-5.31	.00	.12	.00	.12
158.00	.00	0	-1141.9	0.	.0	131	4.	130	42.00	1.75	36.0	-5.16	.00	.12	.00	.12
160.00	.00	0	-1110.3	0.	.0	130	3.	130	42.00	1.75	36.0	-5.02	.00	.12	.00	.12
162.00	.00	0	-1079.4	0.	.0	130	2.	130	42.00	1.75	36.0	-4.88	.00	.11	.00	.11
164.00	.00	0	-1049.0	0.	.0	130	1.	130	42.00	1.75	36.0	-4.74	.00	.11	.00	.11
166.00	.00	0	-1019.3	0.	.0	130	0.	129	42.00	1.75	36.0	-4.61	.00	.11	.00	.11
168.00	.00	0	-990.1	0.	.0	130	0.	127	42.00	1.75	36.0	-4.47	.00	.10	.00	.10
170.00	.00	0	-961.3	0.	.0	129	0.	-47	42.00	1.50	36.0	-4.34	.00	.12	.00	.12
172.00	.00	0	-933.1	0.	.0	0	0.	-48	42.00	1.50	36.0	-4.89	.00	.11	.00	.11
174.00	.00	0	-905.5	0.	.0	-48	0.	-49	42.00	1.50	36.0	-4.74	.00	.11	.00	.11
176.00	.00	0	-878.4	0.	.0	-48	0.	-49	42.00	1.50	36.0	-4.60	.00	.11	.00	.11
178.00	.00	0	-851.9	0.	.0	-49	0.	-49	42.00	1.50	36.0	-4.46	.00	.10	.00	.10
180.00	.00	0	-825.9	0.	.0	-49	0.	-49	42.00	1.25	36.0	-5.16	.00	.12	.00	.12
182.00	.00	0	-800.4	0.	.0	-49	0.	-50	42.00	1.25	36.0	-5.00	.00	.12	.00	.12
184.00	.00	0	-775.5	0.	.0	-49	0.	-52	42.00	1.25	36.0	-4.85	.00	.11	.00	.11
186.00	.00	0	-751.2	0.	.0	0	0.	132	42.00	1.25	36.0	-4.69	.00	.11	.00	.11
188.00	.00	0	-727.5	0.	.0	0	0.	131	42.00	1.25	36.0	-4.55	.00	.11	.00	.11
190.00	.00	0	-704.2	0.	.0	0	0.	130	42.00	1.00	36.0	-5.47	.00	.13	.00	.13
192.00	.00	0	-681.5	0.	.0	0	0.	130	42.00	1.00	36.0	-5.29	.00	.12	.00	.12
194.00	.00	0	-659.5	0.	.0	0	0.	130	42.00	1.00	36.0	-5.12	.00	.12	.00	.12
196.00	.00	0	-638.1	0.	.0	0	0.	130	42.00	1.00	36.0	-4.95	.00	.11	.00	.11
198.00	.00	0	-617.3	0.	.0	0	0.	128	42.00	1.00	36.0	-4.79	.00	.11	.00	.11

*** Pile Detail Report For Pile Joint 15Z Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	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	-597.0	0.	.0	0	0.	-47	42.00	1.00	36.0	-4.64	.00	.11	.00	.11
202.00	.00	0	-577.4	0.	.0	0	0.	-48	42.00	1.00	36.0	-4.48	.00	.10	.00	.10
204.00	.00	0	-558.3	0.	.0	0	0.	-49	42.00	1.00	36.0	-4.33	.00	.10	.00	.10
206.00	.00	0	-539.7	0.	.0	0	0.	-49	42.00	1.00	36.0	-4.19	.00	.10	.00	.10
208.00	.00	0	-521.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.05	.00	.09	.00	.09
210.00	.00	0	-504.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.91	.00	.09	.00	.09
212.00	.00	0	-487.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.78	.00	.09	.00	.09
214.00	.00	0	-466.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.62	.00	.08	.00	.08
216.00	.00	0	-446.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.47	.00	.08	.00	.08
218.00	.00	0	-426.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.31	.00	.08	.00	.08
220.00	.00	0	-407.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.16	.00	.07	.00	.07
222.00	.00	0	-388.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.02	.00	.07	.00	.07
224.00	.00	0	-370.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.87	.00	.07	.00	.07
226.00	.00	0	-351.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.73	.00	.06	.00	.06
228.00	.00	0	-334.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.59	.00	.06	.00	.06
230.00	.00	0	-316.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.46	.00	.06	.00	.06
232.00	.00	0	-299.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.32	.00	.05	.00	.05
234.00	.00	0	-282.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.19	.00	.05	.00	.05
236.00	.00	0	-265.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.06	.00	.05	.00	.05
238.00	.00	0	-249.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.94	.00	.04	.00	.04
240.00	.00	0	-233.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.81	.00	.04	.00	.04
242.00	.00	0	-217.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.69	.00	.04	.00	.04
244.00	.00	0	-201.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.56	.00	.04	.00	.04
246.00	.00	0	-185.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.44	.00	.03	.00	.03
248.00	.00	0	-170.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.32	.00	.03	.00	.03
250.00	.00	0	-155.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.21	.00	.03	.00	.03
252.00	.00	0	-140.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.09	.00	.03	.00	.03
254.00	.00	0	-125.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.97	.00	.02	.00	.02
256.00	.00	0	-110.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.86	.00	.02	.00	.02
258.00	.00	0	-95.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.74	.00	.02	.00	.02
260.00	.00	0	-81.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.63	.00	.01	.00	.01
262.00	.00	0	-66.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.52	.00	.01	.00	.01
264.00	.00	0	-52.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.40	.00	.01	.00	.01
266.00	.00	0	-37.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-.29	.00	.01	.00	.01
268.00	.00	0	-23.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.18	.00	.00	.00	.00

*** Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 152 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (in)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
.00	.8769425	-28.1255900	30.8037800	-.0081700	.0342847	.0326106
2.00	.8673742	-27.3329100	29.9686100	-.0081700	.0352951	.0334304
4.00	.8578048	-26.5216800	29.1104500	-.0081700	.0362007	.0341570
6.00	.8482342	-25.6941200	28.2318200	-.0081700	.0370011	.0347901
8.00	.8386626	-24.8525000	27.3352500	-.0081700	.0376960	.0353297
10.00	.8290901	-23.9990500	26.4232600	-.0081700	.0382854	.0357757
12.00	.8195165	-23.1360100	25.4983900	-.0081700	.0387694	.0361284
14.00	.8099419	-22.2656300	24.5631700	-.0081700	.0391483	.0363882
16.00	.8003666	-21.3901200	23.6201100	-.0081700	.0394226	.0365555
18.00	.7907903	-20.5117000	22.6717200	-.0081700	.0395928	.0366311
20.00	.7812133	-19.6325600	21.7204800	-.0081700	.0396598	.0366157
22.00	.7716356	-18.7548700	20.7688600	-.0081700	.0396246	.0365103
24.00	.7620571	-17.8807800	19.8193100	-.0081700	.0394882	.0363159
26.00	.7524780	-17.0124100	18.8742300	-.0081700	.0392519	.0360339
28.00	.7428982	-16.1518400	17.9360000	-.0081700	.0389172	.0356655
30.00	.7333180	-15.3011400	17.0069800	-.0081700	.0384855	.0352122
32.00	.7237371	-14.4623200	16.0894600	-.0081700	.0379586	.0346757
34.00	.7141559	-13.6373600	15.1857100	-.0081700	.0373384	.0340577
36.00	.7045852	-12.8281800	14.2979400	-.0081700	.0366280	.0333610
38.00	.6950364	-12.0366200	13.4282500	-.0081700	.0358328	.0325907
40.00	.6855099	-11.2643700	12.5785900	-.0081700	.0349596	.0317528
42.00	.6760057	-10.5129800	11.7507600	-.0081700	.0340149	.0308532
44.00	.6665241	-9.7838630	10.9463900	-.0081700	.0330053	.0298980
46.00	.6570653	-9.0782790	10.1669700	-.0081700	.0319373	.0288929
48.00	.6476297	-8.3973540	9.4138150	-.0081700	.0308174	.0278439
50.00	.6382174	-7.7420770	8.6881010	-.0081700	.0296518	.0267566
52.00	.6288287	-7.1132970	7.9908430	-.0081700	.0284470	.0256367
54.00	.6194637	-6.51117300	7.3229100	-.0081700	.0272091	.0244898
56.00	.6101228	-5.9379580	6.6850240	-.0081700	.0259441	.0233214
58.00	.6008062	-5.3924340	6.0777610	-.0081700	.0246581	.0221367
60.00	.5915140	-4.8754840	5.5015550	-.0081700	.0233570	.0209411
62.00	.5822465	-4.3873080	4.9567030	-.0081700	.0220463	.0197397
64.00	.5730039	-3.9279860	4.4433620	-.0081700	.0207319	.0185374
66.00	.5637866	-3.4974790	3.9615600	-.0081700	.0194190	.0173392
68.00	.5545946	-3.0956390	3.5111940	-.0081700	.0181130	.0161498
70.00	.5454283	-2.7221830	3.0920380	-.0081700	.0168190	.0149737
72.00	.5362878	-2.3767540	2.7037440	-.0081700	.0155420	.0138153
74.00	.5271734	-2.0588720	2.3458470	-.0081700	.0142868	.0126789
76.00	.5180853	-1.7679580	2.0177680	-.0081700	.0130579	.0115686
78.00	.5090237	-1.5033410	1.7188230	-.0081700	.0118597	.0104882
80.00	.4999889	-1.2642570	1.4482240	-.0081700	.0106965	.0094414
82.00	.4909810	-1.0498560	1.2050820	-.0081700	.0095722	.0084319
84.00	.4820004	-.8592036	.9884159	-.0081700	.0084907	.0074629
86.00	.4730472	-.6912885	.7971562	-.0081700	.0074556	.0065376
88.00	.4641216	-.5450254	.6301486	-.0081700	.0064703	.0056590
90.00	.4552238	-.4192601	.4861603	-.0081700	.0055378	.0048299
92.00	.4463542	-.3127745	.3638851	-.0081700	.0046613	.0040528
94.00	.4375128	-.2242914	.2619494	-.0081700	.0038433	.0033301
96.00	.4286999	-.1524798	.1789173	-.0081700	.0030864	.0026638
98.00	.4199158	-.0959600	.1132970	-.0081700	.0023927	.0020560

*** Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 15Z Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
100.00	.4111607	-.0533118	.0635492	-.0081700	.0017639	.0015081
102.00	.4024341	-.0230836	.0280986	-.0081700	.0012014	.0010212
104.00	.3939107	-.0036590	.0051701	-.0081700	.0007278	.0006138
106.00	.3855860	.0071871	-.0077560	-.0081700	.0003693	.0003073
108.00	.3774558	.0118780	-.0134650	-.0081700	.0001243	.0000990
110.00	.3695157	.0126030	-.0144935	-.0081700	-.0000244	-.0000264
112.00	.3617618	.0111123	-.0128817	-.0081700	-.0000998	-.0000891
114.00	.3541899	.0086665	-.0101075	-.0081700	-.0001249	-.0001091
116.00	.3467962	.0060794	-.0071313	-.0081700	-.0001195	-.0001034
118.00	.3395767	.0038056	-.0044945	-.0081700	-.0000967	-.0000848
120.00	.3325278	.0020396	-.0024342	-.0081700	-.0000728	-.0000622
122.00	.3256458	.0008084	-.0009894	-.0081700	-.0000482	-.0000409
124.00	.3189271	.0000452	-.0000875	-.0081700	-.0000279	-.0000235
126.00	.3123683	-.0003562	.0003922	-.0081700	-.0000130	-.0000108
128.00	.3059659	-.0005072	.0005779	-.0081700	-.0000033	-.0000025
130.00	.2997167	-.0005047	.0005820	-.0081700	.0000023	.0000022
132.00	.2936172	-.0004231	.0004916	-.0081700	.0000048	.0000043
134.00	.2876646	-.0003137	.0003667	-.0081700	.0000053	.0000047
136.00	.2818555	-.0002074	.0002439	-.0081700	.0000048	.0000041
138.00	.2761870	-.0001197	.0001419	-.0081700	.0000037	.0000032
140.00	.2706562	-.0000557	.0000671	-.0081700	.0000026	.0000022
142.00	.2652602	-.0000142	.0000182	-.0081700	.0000016	.0000013
144.00	.2599962	.0000091	-.0000094	-.0081700	.0000008	.0000007
146.00	.2548614	.0000191	-.0000216	-.0081700	.0000003	.0000002
148.00	.2498533	.0000208	-.0000239	-.0081700	.0000000	.0000000
150.00	.2449691	.0000180	-.0000208	-.0081700	-.0000002	-.0000002
152.00	.2402065	.0000133	-.0000155	-.0081700	-.0000002	-.0000002
154.00	.2355673	.0000086	-.0000101	-.0081700	-.0000002	-.0000002
156.00	.2310534	.0000047	-.0000056	-.0081700	-.0000002	-.0000001
158.00	.2266625	.0000020	-.0000024	-.0081700	-.0000001	-.0000001
160.00	.2223919	.0000003	-.0000004	-.0081700	-.0000001	-.0000001
162.00	.2182394	-.0000006	.0000006	-.0081700	.0000000	.0000000
164.00	.2142027	-.0000008	.0000010	-.0081700	.0000000	.0000000
166.00	.2102794	-.0000008	.0000010	-.0081700	.0000000	.0000000
168.00	.2064675	-.0000007	.0000008	-.0081700	.0000000	.0000000
170.00	.2027647	-.0000004	.0000005	-.0081700	.0000000	.0000000
172.00	.1985961	-.0000003	.0000003	-.0081700	.0000000	.0000000
174.00	.1945500	-.0000001	.0000001	-.0081700	.0000000	.0000000
176.00	.1906237	.0000000	.0000000	-.0081700	.0000000	.0000000
178.00	.1868147	.0000000	.0000000	-.0081700	.0000000	.0000000
180.00	.1831205	.0000000	.0000000	-.0081700	.0000000	.0000000
182.00	.1788493	.0000000	.0000000	-.0081700	.0000000	.0000000
184.00	.1747100	.0000000	.0000000	-.0081700	.0000000	.0000000
186.00	.1706994	.0000000	.0000000	-.0081700	.0000000	.0000000
188.00	.1668145	.0000000	.0000000	-.0081700	.0000000	.0000000
190.00	.1630523	.0000000	.0000000	-.0081700	.0000000	.0000000
192.00	.1585276	.0000000	.0000000	-.0081700	.0000000	.0000000
194.00	.1541487	.0000000	.0000000	-.0081700	.0000000	.0000000
196.00	.1499115	.0000000	.0000000	-.0081700	.0000000	.0000000
198.00	.1458119	.0000000	.0000000	-.0081700	.0000000	.0000000

*** Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 15Z Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
200.00	.1418460	.0000000	.0000000	-.0081700	.0000000	.0000000
202.00	.1380100	.0000000	.0000000	-.0081700	.0000000	.0000000
204.00	.1343001	.0000000	.0000000	-.0081700	.0000000	.0000000
206.00	.1307130	.0000000	.0000000	-.0081700	.0000000	.0000000
208.00	.1272452	.0000000	.0000000	-.0081700	.0000000	.0000000
210.00	.1238932	.0000000	.0000000	-.0081700	.0000000	.0000000
212.00	.1206540	.0000000	.0000000	-.0081700	.0000000	.0000000
214.00	.1175245	.0000000	.0000000	-.0081700	.0000000	.0000000
216.00	.1145270	.0000000	.0000000	-.0081700	.0000000	.0000000
218.00	.1116588	.0000000	.0000000	-.0081700	.0000000	.0000000
220.00	.1089170	.0000000	.0000000	-.0081700	.0000000	.0000000
222.00	.1062991	.0000000	.0000000	-.0081700	.0000000	.0000000
224.00	.1038026	.0000000	.0000000	-.0081700	.0000000	.0000000
226.00	.1014252	.0000000	.0000000	-.0081700	.0000000	.0000000
228.00	.0991645	.0000000	.0000000	-.0081700	.0000000	.0000000
230.00	.0970184	.0000000	.0000000	-.0081700	.0000000	.0000000
232.00	.0949849	.0000000	.0000000	-.0081700	.0000000	.0000000
234.00	.0930620	.0000000	.0000000	-.0081700	.0000000	.0000000
236.00	.0912479	.0000000	.0000000	-.0081700	.0000000	.0000000
238.00	.0895409	.0000000	.0000000	-.0081700	.0000000	.0000000
240.00	.0879394	.0000000	.0000000	-.0081700	.0000000	.0000000
242.00	.0864418	.0000000	.0000000	-.0081700	.0000000	.0000000
244.00	.0850467	.0000000	.0000000	-.0081700	.0000000	.0000000
246.00	.0837529	.0000000	.0000000	-.0081700	.0000000	.0000000
248.00	.0825590	.0000000	.0000000	-.0081700	.0000000	.0000000
250.00	.0814639	.0000000	.0000000	-.0081700	.0000000	.0000000
252.00	.0804665	.0000000	.0000000	-.0081700	.0000000	.0000000
254.00	.0795661	.0000000	.0000000	-.0081700	.0000000	.0000000
256.00	.0787616	.0000000	.0000000	-.0081700	.0000000	.0000000
258.00	.0780523	.0000000	.0000000	-.0081700	.0000000	.0000000
260.00	.0774375	.0000000	.0000000	-.0081700	.0000000	.0000000
262.00	.0769167	.0000000	.0000000	-.0081700	.0000000	.0000000
264.00	.0764894	.0000000	.0000000	-.0081700	.0000000	.0000000
266.00	.0761551	.0000000	.0000000	-.0081700	.0000000	.0000000
268.00	.0759135	.0000000	.0000000	-.0081700	.0000000	.0000000

*** Pile Head Load And Deformation Report For Pile Joint 162 Load Case No. 4 ***

		Allowable Modifier	2.000		
			X	Y	Z
Specified Springs:	Translational (Kips/In)				
	Rotational (In-Kips/Rad)	1.00			
Calculated Loads:	Force (Kips)	2940.545	16.161	195.552	
	Moment (In-Kips)	-.005	-86927.880	8568.212	
Calculated Displacements:	Translational (In)	1.0151	2.0661	43.8260	
	Rotational (Rad)	-.00503	.04761	-.00119	

*** Pile Detail Report For Pile Joint 162 Load Case No. 4 ***

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	43.87	87	-2940.0	0.	195.4	85	87349.	84	42.00	1.75	36.0	-13.29	40.86	.31	.76	1.06
2.00	42.71	87	-2940.5	0.	193.5	85	79255.	84	42.00	1.75	36.0	-13.29	37.07	.31	.69	.99
4.00	41.52	87	-2941.0	0.	191.5	85	71104.	83	42.00	1.75	36.0	-13.29	33.26	.31	.62	.92
6.00	40.29	87	-2941.4	0.	189.3	85	62910.	83	42.00	1.75	36.0	-13.29	29.43	.31	.54	.85
8.00	39.03	87	-2941.9	0.	186.9	85	54691.	83	42.00	1.75	36.0	-13.29	25.58	.31	.47	.78
10.00	37.75	87	-2942.3	0.	184.3	85	46461.	82	42.00	1.75	36.0	-13.30	21.73	.31	.40	.71
12.00	36.45	87	-2942.7	0.	181.6	85	38238.	81	42.00	1.75	36.0	-13.30	17.89	.31	.33	.64
14.00	35.14	87	-2943.1	0.	178.8	85	30043.	80	42.00	1.75	36.0	-13.30	14.05	.31	.26	.57
16.00	33.81	87	-2943.5	0.	175.8	85	21904.	77	42.00	1.75	36.0	-13.30	10.25	.31	.19	.50
18.00	32.47	87	-2943.9	0.	172.6	85	13883.	73	42.00	1.75	36.0	-13.30	6.49	.31	.12	.43
20.00	31.12	87	-2944.2	0.	169.4	84	6279.	55	42.00	1.75	36.0	-13.31	2.94	.31	.05	.36
22.00	29.77	86	-2944.6	0.	166.0	84	4124.	-43	42.00	1.75	36.0	-13.31	1.93	.31	.04	.34
24.00	28.43	86	-2944.9	0.	162.4	84	11035.	-76	42.00	1.75	36.0	-13.31	5.16	.31	.10	.40
26.00	27.08	86	-2945.2	0.	158.8	84	18686.	-83	42.00	1.75	36.0	-13.31	8.74	.31	.16	.47
28.00	25.75	86	-2945.5	0.	155.0	84	26343.	-86	42.00	1.75	36.0	-13.31	12.32	.31	.23	.54
30.00	24.43	86	-2945.8	0.	151.2	84	33913.	-88	42.00	1.75	36.0	-13.31	15.86	.31	.29	.60
32.00	23.12	86	-2946.1	0.	147.3	84	41363.	-89	42.00	1.75	36.0	-13.31	19.35	.31	.36	.67
34.00	21.83	86	-2943.7	0.	136.2	84	48675.	-90	42.00	1.75	36.0	-13.30	22.77	.31	.42	.73
36.00	20.56	86	-2938.5	0.	118.5	84	55660.	-90	42.00	1.75	36.0	-13.28	26.03	.31	.48	.79
38.00	19.32	86	-2933.4	0.	101.2	83	62144.	-90	42.00	1.75	36.0	-13.26	29.07	.31	.54	.85
40.00	18.10	86	-2928.1	0.	84.2	83	68127.	-91	42.00	1.75	36.0	-13.23	31.87	.31	.59	.90
42.00	16.92	86	-2922.8	0.	67.7	82	73610.	-91	42.00	1.75	36.0	-13.21	34.43	.31	.64	.94
44.00	15.76	86	-2917.3	0.	51.5	80	78593.	-91	42.00	1.75	36.0	-13.18	36.76	.31	.68	.99
46.00	14.65	86	-2911.9	0.	35.8	78	83081.	-91	42.00	1.75	36.0	-13.16	38.86	.30	.72	1.02
48.00	13.56	86	-2906.3	0.	20.6	72	87076.	-91	42.00	1.75	36.0	-13.13	40.73	.30	.75	1.06
50.00	12.52	86	-2900.7	0.	7.2	40	90584.	-92	42.00	1.75	36.0	-13.11	42.37	.30	.78	1.09
52.00	11.52	86	-2895.0	0.	10.9	-65	93609.	-92	42.00	1.75	36.0	-13.08	43.78	.30	.81	1.11
54.00	10.56	86	-2889.2	0.	24.4	-81	96160.	-92	42.00	1.75	36.0	-13.06	44.98	.30	.83	1.14
56.00	9.64	86	-2883.4	0.	37.9	-85	98241.	-92	42.00	1.75	36.0	-13.03	45.95	.30	.85	1.15
58.00	8.76	86	-2877.5	0.	51.2	-87	99862.	-92	42.00	1.75	36.0	-13.00	46.71	.30	.86	1.17
60.00	7.93	86	-2871.5	0.	64.0	-88	101031.	-92	42.00	1.75	36.0	-12.98	47.26	.30	.88	1.18
62.00	7.14	86	-2865.4	0.	76.4	-89	101758.	-92	42.00	1.75	36.0	-12.95	47.60	.30	.88	1.18
64.00	6.40	86	-2859.3	0.	88.4	269	102052.	-92	42.00	1.75	36.0	-12.92	47.73	.30	.88	1.18
66.00	5.70	86	-2853.1	0.	99.9	269	101925.	-92	42.00	1.75	36.0	-12.89	47.67	.30	.88	1.18
68.00	5.05	86	-2846.9	0.	111.0	269	101389.	-92	42.00	1.75	36.0	-12.87	47.42	.30	.88	1.18
70.00	4.44	86	-2840.5	0.	121.6	268	100456.	-92	42.00	1.75	36.0	-12.84	46.99	.30	.87	1.17
72.00	3.88	86	-2834.1	0.	131.7	268	99138.	-92	42.00	1.75	36.0	-12.81	46.37	.30	.86	1.16
74.00	3.36	86	-2827.7	0.	141.2	268	97450.	-92	42.00	1.75	36.0	-12.78	45.58	.30	.84	1.14
76.00	2.89	86	-2821.1	0.	150.3	268	95406.	-93	42.00	1.75	36.0	-12.75	44.63	.30	.83	1.12
78.00	2.45	86	-2814.5	0.	159.0	268	93023.	-93	42.00	1.75	36.0	-12.72	43.51	.29	.81	1.10
80.00	2.06	86	-2807.8	0.	167.2	268	90313.	-93	42.00	1.75	36.0	-12.69	42.24	.29	.78	1.08
82.00	1.71	85	-2801.1	0.	174.8	268	87291.	-93	42.00	1.75	36.0	-12.66	40.83	.29	.76	1.05
84.00	1.39	85	-2794.2	0.	182.0	267	83975.	-93	42.00	1.75	36.0	-12.63	39.28	.29	.73	1.02
86.00	1.12	85	-2787.3	0.	188.7	267	80383.	-93	42.00	1.75	36.0	-12.60	37.60	.29	.70	.99
88.00	.87	85	-2780.4	0.	194.8	267	76528.	-93	42.00	1.75	36.0	-12.56	35.80	.29	.66	.95
90.00	.67	85	-2773.4	0.	200.4	267	72432.	-93	42.00	1.75	36.0	-12.53	33.88	.29	.63	.92
92.00	.49	85	-2766.3	0.	205.5	267	68111.	-93	42.00	1.75	36.0	-12.50	31.86	.29	.59	.88
94.00	.35	85	-2759.1	0.	209.9	267	63584.	-93	42.00	1.75	36.0	-12.47	29.74	.29	.55	.84
96.00	.23	85	-2751.9	0.	213.6	267	58870.	-93	42.00	1.75	36.0	-12.44	27.54	.29	.51	.80
98.00	.14	85	-2744.6	0.	215.7	267	53998.	-93	42.00	1.75	36.0	-12.40	25.26	.29	.47	.75

*** Pile Detail Report For Pile Joint 162 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check Values		
	Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
100.00	.07	84	-2708.6	0.	339.6	266	49008.	-94	42.00	1.75	36.0	-12.24	22.92	.28	.42	.71
102.00	.02	84	-2645.4	0.	427.0	266	40983.	-94	42.00	1.75	36.0	-11.95	19.17	.28	.35	.63
104.00	.00	-86	-2583.6	0.	414.4	265	30808.	-94	42.00	1.75	36.0	-11.68	14.41	.27	.27	.54
106.00	.02	266	-2523.2	0.	348.5	265	20899.	-94	42.00	1.75	36.0	-11.40	9.78	.26	.18	.44
108.00	.02	266	-2464.0	0.	262.7	265	12548.	-94	42.00	1.75	36.0	-11.14	5.87	.26	.11	.37
110.00	.02	265	-2406.2	0.	178.3	265	6242.	-95	42.00	1.75	36.0	-10.87	2.92	.25	.05	.31
112.00	.02	265	-2349.6	0.	106.8	265	1956.	-96	42.00	1.75	36.0	-10.62	.91	.25	.02	.26
114.00	.01	265	-2294.2	0.	52.7	264	621.	89	42.00	1.75	36.0	-10.37	.29	.24	.01	.25
116.00	.01	265	-2240.0	0.	15.9	263	1894.	86	42.00	1.75	36.0	-10.12	.89	.23	.02	.25
118.00	.01	265	-2186.9	0.	6.1	89	2284.	86	42.00	1.75	36.0	-9.88	1.07	.23	.02	.25
120.00	.00	264	-2135.0	0.	16.8	86	2145.	85	42.00	1.75	36.0	-9.65	1.00	.22	.02	.24
122.00	.00	-90	-2084.2	0.	20.0	86	1744.	85	42.00	1.75	36.0	-9.42	.82	.22	.02	.23
124.00	.00	90	-2034.5	0.	18.6	85	1266.	85	42.00	1.75	36.0	-9.19	.59	.21	.01	.22
126.00	.00	90	-1985.8	0.	15.0	85	821.	85	42.00	1.75	36.0	-8.97	.38	.21	.01	.21
128.00	.00	90	-1938.2	0.	10.8	85	460.	85	42.00	1.75	36.0	-8.76	.22	.20	.00	.21
130.00	.00	90	-1891.6	0.	6.9	85	200.	84	42.00	1.75	36.0	-8.55	.09	.20	.00	.20
132.00	.00	90	-1845.9	0.	3.8	85	34.	81	42.00	1.75	36.0	-8.34	.02	.19	.00	.19
134.00	.00	90	-1801.2	0.	1.6	84	58.	-92	42.00	1.75	36.0	-8.14	.03	.19	.00	.19
136.00	.00	90	-1757.5	0.	.2	78	96.	-93	42.00	1.75	36.0	-7.94	.04	.18	.00	.18
138.00	.00	90	-1714.6	0.	.6	267	100.	-94	42.00	1.75	36.0	-7.75	.05	.18	.00	.18
140.00	.00	0	-1672.7	0.	.9	266	86.	-94	42.00	1.75	36.0	-7.56	.04	.17	.00	.17
142.00	.00	0	-1631.6	0.	.9	265	65.	-94	42.00	1.75	36.0	-7.37	.03	.17	.00	.17
144.00	.00	0	-1591.4	0.	.8	265	44.	-94	42.00	1.75	36.0	-7.19	.02	.17	.00	.17
146.00	.00	0	-1552.0	0.	.6	265	26.	-94	42.00	1.75	36.0	-7.01	.01	.16	.00	.16
148.00	.00	0	-1513.3	0.	.4	265	12.	-95	42.00	1.75	36.0	-6.84	.01	.16	.00	.16
150.00	.00	0	-1474.1	0.	.2	265	3.	-97	42.00	1.75	36.0	-6.66	.00	.15	.00	.15
152.00	.00	0	-1434.3	0.	.1	264	3.	87	42.00	1.75	36.0	-6.48	.00	.15	.00	.15
154.00	.00	0	-1395.3	0.	.0	249	5.	86	42.00	1.75	36.0	-6.31	.00	.15	.00	.15
156.00	.00	0	-1357.0	0.	.0	86	5.	85	42.00	1.75	36.0	-6.13	.00	.14	.00	.14
158.00	.00	0	-1319.5	0.	.0	86	4.	85	42.00	1.75	36.0	-5.96	.00	.14	.00	.14
160.00	.00	0	-1282.7	0.	.0	85	3.	85	42.00	1.75	36.0	-5.80	.00	.13	.00	.13
162.00	.00	0	-1246.7	0.	.0	85	2.	85	42.00	1.75	36.0	-5.63	.00	.13	.00	.13
164.00	.00	0	-1211.3	0.	.0	85	1.	85	42.00	1.75	36.0	-5.47	.00	.13	.00	.13
166.00	.00	0	-1176.6	0.	.0	85	0.	84	42.00	1.75	36.0	-5.32	.00	.12	.00	.12
168.00	.00	0	-1142.6	0.	.0	84	0.	-85	42.00	1.75	36.0	-5.16	.00	.12	.00	.12
170.00	.00	0	-1109.1	0.	.0	83	0.	-93	42.00	1.50	36.0	-5.81	.00	.13	.00	.13
172.00	.00	0	-1076.2	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.64	.00	.13	.00	.13
174.00	.00	0	-1044.0	0.	.0	266	0.	-94	42.00	1.50	36.0	-5.47	.00	.13	.00	.13
176.00	.00	0	-1012.5	0.	.0	265	0.	-94	42.00	1.50	36.0	-5.31	.00	.12	.00	.12
178.00	.00	0	-981.6	0.	.0	265	0.	-94	42.00	1.50	36.0	-5.14	.00	.12	.00	.12
180.00	.00	0	-951.3	0.	.0	-90	0.	-94	42.00	1.25	36.0	-5.94	.00	.14	.00	.14
182.00	.00	0	-921.6	0.	.0	-90	0.	-95	42.00	1.25	36.0	-5.76	.00	.13	.00	.13
184.00	.00	0	-892.6	0.	.0	-90	0.	91	42.00	1.25	36.0	-5.58	.00	.13	.00	.13
186.00	.00	0	-864.2	0.	.0	0	0.	86	42.00	1.25	36.0	-5.40	.00	.13	.00	.13
188.00	.00	0	-836.6	0.	.0	0	0.	85	42.00	1.25	36.0	-5.23	.00	.12	.00	.12
190.00	.00	0	-809.5	0.	.0	0	0.	85	42.00	1.00	36.0	-6.28	.00	.15	.00	.15
192.00	.00	0	-783.0	0.	.0	0	0.	85	42.00	1.00	36.0	-6.08	.00	.14	.00	.14
194.00	.00	0	-757.3	0.	.0	0	0.	85	42.00	1.00	36.0	-5.88	.00	.14	.00	.14
196.00	.00	0	-732.3	0.	.0	0	0.	84	42.00	1.00	36.0	-5.69	.00	.13	.00	.13
198.00	.00	0	-708.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.50	.00	.13	.00	.13

*** Pile Detail Report For Pile Joint 16Z Load Case No. 4 ***

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
200.00	.00	0	-684.5	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.31	.00	.12	.00	.12
202.00	.00	0	-661.5	0.	.0	0	0.	-94	42.00	1.00	36.0	-5.14	.00	.12	.00	.12
204.00	.00	0	-639.2	0.	.0	0	0.	-94	42.00	1.00	36.0	-4.96	.00	.11	.00	.11
206.00	.00	0	-617.5	0.	.0	0	0.	-94	42.00	1.00	36.0	-4.79	.00	.11	.00	.11
208.00	.00	0	-596.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.63	.00	.11	.00	.11
210.00	.00	0	-575.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.47	.00	.10	.00	.10
212.00	.00	0	-554.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.30	.00	.10	.00	.10
214.00	.00	0	-530.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.12	.00	.10	.00	.10
216.00	.00	0	-508.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.95	.00	.09	.00	.09
218.00	.00	0	-485.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.77	.00	.09	.00	.09
220.00	.00	0	-463.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.60	.00	.08	.00	.08
222.00	.00	0	-442.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.43	.00	.08	.00	.08
224.00	.00	0	-421.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.27	.00	.08	.00	.08
226.00	.00	0	-400.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.11	.00	.07	.00	.07
228.00	.00	0	-380.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.95	.00	.07	.00	.07
230.00	.00	0	-360.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.80	.00	.06	.00	.06
232.00	.00	0	-340.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.64	.00	.06	.00	.06
234.00	.00	0	-321.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.49	.00	.06	.00	.06
236.00	.00	0	-302.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.35	.00	.05	.00	.05
238.00	.00	0	-283.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.20	.00	.05	.00	.05
240.00	.00	0	-265.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.06	.00	.05	.00	.05
242.00	.00	0	-247.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.92	.00	.04	.00	.04
244.00	.00	0	-229.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.78	.00	.04	.00	.04
246.00	.00	0	-211.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.64	.00	.04	.00	.04
248.00	.00	0	-193.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.51	.00	.03	.00	.03
250.00	.00	0	-176.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.37	.00	.03	.00	.03
252.00	.00	0	-159.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.24	.00	.03	.00	.03
254.00	.00	0	-142.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.11	.00	.03	.00	.03
256.00	.00	0	-125.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.97	.00	.02	.00	.02
258.00	.00	0	-108.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.84	.00	.02	.00	.02
260.00	.00	0	-92.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.71	.00	.02	.00	.02
262.00	.00	0	-75.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.59	.00	.01	.00	.01
264.00	.00	0	-59.0	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 Segment Deflection Report In Pile Coordinate System For Pile Joint 162 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
.00	1.0151400	2.0661280	43.8260200	-.0050329	.0476110	-.0011928
2.00	1.0041450	2.0356420	42.6647200	-.0050329	.0491388	-.0013463
4.00	.9931477	2.0015770	41.4685500	-.0050329	.0505170	-.0014910
6.00	.9821488	1.9641470	40.2411100	-.0050329	.0517447	-.0016267
8.00	.9711481	1.9235700	38.9860200	-.0050329	.0528211	-.0017532
10.00	.9601458	1.8800670	37.7069100	-.0050329	.0537459	-.0018705
12.00	.9491419	1.8338610	36.4074200	-.0050329	.0545191	-.0019784
14.00	.9381365	1.7851790	35.0912100	-.0050329	.0551406	-.0020769
16.00	.9271296	1.7342460	33.7618900	-.0050329	.0556109	-.0021659
18.00	.9161212	1.6812920	32.4230900	-.0050329	.0559307	-.0022453
20.00	.9051115	1.6265470	31.0784100	-.0050329	.0561010	-.0023152
22.00	.8941004	1.5702400	29.7314300	-.0050329	.0561228	-.0023754
24.00	.8830881	1.5126040	28.3856900	-.0050329	.0559978	-.0024261
26.00	.8720745	1.4538660	27.0447000	-.0050329	.0557274	-.0024671
28.00	.8610598	1.3942590	25.7119200	-.0050329	.0553137	-.0024986
30.00	.8500440	1.3340100	24.3907700	-.0050329	.0547588	-.0025206
32.00	.8390270	1.2733470	23.0846000	-.0050329	.0540652	-.0025331
34.00	.8280091	1.2124960	21.7967300	-.0050329	.0532354	-.0025363
36.00	.8170001	1.1516800	20.5303600	-.0050329	.0522738	-.0025302
38.00	.8060102	1.0911160	19.2885800	-.0050329	.0511882	-.0025154
40.00	.7950398	1.0310100	18.0742500	-.0050329	.0499877	-.0024921
42.00	.7840890	.9715569	16.8900100	-.0050329	.0486818	-.0024610
44.00	.7731583	.9129409	15.7382900	-.0050329	.0472795	-.0024225
46.00	.7622477	.8553345	14.6212900	-.0050329	.0457902	-.0023770
48.00	.7513576	.7988986	13.5409900	-.0050329	.0442228	-.0023250
50.00	.7404883	.7437830	12.4991500	-.0050329	.0425864	-.0022670
52.00	.7296400	.6901258	11.4973200	-.0050329	.0408899	-.0022035
54.00	.7188131	.6380538	10.5368400	-.0050329	.0391423	-.0021350
56.00	.7080076	.5876821	9.6188340	-.0050329	.0373521	-.0020619
58.00	.6972241	.5391145	8.7442150	-.0050329	.0355279	-.0019847
60.00	.6864626	.4924437	7.9137000	-.0050329	.0336781	-.0019039
62.00	.6757236	.4477509	7.1278040	-.0050329	.0318110	-.0018200
64.00	.6650071	.4051060	6.3868470	-.0050329	.0299346	-.0017333
66.00	.6543135	.3645684	5.6909570	-.0050329	.0280567	-.0016445
68.00	.6436431	.3261862	5.0400760	-.0050329	.0261850	-.0015538
70.00	.6329961	.2899970	4.4339660	-.0050329	.0243270	-.0014618
72.00	.6223728	.2560281	3.8722130	-.0050329	.0224898	-.0013688
74.00	.6117735	.2242964	3.3542340	-.0050329	.0206803	-.0012754
76.00	.6011983	.1948088	2.8792810	-.0050329	.0189053	-.0011819
78.00	.5906477	.1675626	2.4464510	-.0050329	.0171712	-.0010887
80.00	.5801218	.1425456	2.0546890	-.0050329	.0154840	-.0009962
82.00	.5696208	.1197367	1.7027960	-.0050329	.0138497	-.0009048
84.00	.5591452	.0991056	1.3894380	-.0050329	.0122737	-.0008148
86.00	.5486950	.0806138	1.1131470	-.0050329	.0107615	-.0007265
88.00	.5382706	.0642146	.8723361	-.0050329	.0093179	-.0006404
90.00	.5278723	.0498536	.6653017	-.0050329	.0079476	-.0005567
92.00	.5175002	.0374690	.4902330	-.0050329	.0066548	-.0004758
94.00	.5071546	.0269922	.3452204	-.0050329	.0054435	-.0003978
96.00	.4968359	.0183480	.2282632	-.0050329	.0043174	-.0003231
98.00	.4865442	.0114553	.1372790	-.0050329	.0032796	-.0002519

*** Pile Segment Deflection Report in Pile Coordinate System For Pile Joint 162 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
100.00	.4762798	.0062279	.0701163	-.0050329	.0023326	-.0001844
102.00	.4661500	.0025564	.0243540	-.0050329	.0015055	-.0001231
104.00	.4562563	.0002952	-.0034870	-.0050329	.0006458	-.0000725
106.00	.4465938	-.0010284	-.0177200	-.0050329	.0003707	-.0000350
108.00	.4371573	-.0015440	-.0226225	-.0050329	.0000634	-.0000099
110.00	.4279420	-.0015861	-.0218427	-.0050329	-.0001091	.0000049
112.00	.4189431	-.0013708	-.0181640	-.0050329	-.0001843	.0000120
114.00	.4101560	-.0010514	-.0134993	-.0050329	-.0001965	.0000140
116.00	.4015760	-.0007250	-.0090137	-.0050329	-.0001734	.0000129
118.00	.3931988	-.0004441	-.0052994	-.0050329	-.0001350	.0000104
120.00	.3850199	-.0002299	-.0025541	-.0050329	-.0000942	.0000075
122.00	.3770352	-.0000832	-.0007359	-.0050329	-.0000585	.0000048
124.00	.3692404	.0000055	.0003186	-.0050329	-.0000308	.0000027
126.00	.3616316	.0000504	.0008121	-.0050329	-.0000117	.0000012
128.00	.3542048	.0000655	.0009376	-.0050329	.0000001	.0000002
130.00	.3469561	.0000629	.0008528	-.0050329	.0000062	-.0000003
132.00	.3398818	.0000514	.0006730	-.0050329	.0000083	-.0000006
134.00	.3329782	.0000373	.0004729	-.0050329	.0000081	-.0000006
136.00	.3262418	.0000241	.0002945	-.0050329	.0000067	-.0000005
138.00	.3196690	.0000135	.0001559	-.0050329	.0000049	-.0000004
140.00	.3132564	.0000059	.0000603	-.0050329	.0000031	-.0000003
142.00	.3070007	.0000011	.0000022	-.0050329	.0000018	-.0000001
144.00	.3008987	-.0000015	-.0000272	-.0050329	.0000008	-.0000001
146.00	.2949471	-.0000025	-.0000370	-.0050329	.0000001	.0000000
148.00	.2891430	-.0000026	-.0000353	-.0050329	-.0000002	.0000000
150.00	.2834832	-.0000021	-.0000280	-.0050329	-.0000004	.0000000
152.00	.2779702	-.0000015	-.0000192	-.0050329	-.0000004	.0000000
154.00	.2726061	-.0000009	-.0000114	-.0050329	-.0000003	.0000000
156.00	.2673880	-.0000005	-.0000056	-.0050329	-.0000002	.0000000
158.00	.2623130	-.0000002	-.0000017	-.0050329	-.0000001	.0000000
160.00	.2573783	.0000000	.0000004	-.0050329	-.0000001	.0000000
162.00	.2525810	.0000001	.0000014	-.0050329	.0000000	.0000000
164.00	.2479185	.0000001	.0000015	-.0050329	.0000000	.0000000
166.00	.2433884	.0000001	.0000013	-.0050329	.0000000	.0000000
168.00	.2389879	.0000001	.0000010	-.0050329	.0000000	.0000000
170.00	.2347147	.0000000	.0000006	-.0050329	.0000000	.0000000
172.00	.2299054	.0000000	.0000003	-.0050329	.0000000	.0000000
174.00	.2252386	.0000000	.0000001	-.0050329	.0000000	.0000000
176.00	.2207115	.0000000	.0000000	-.0050329	.0000000	.0000000
178.00	.2163211	.0000000	-.0000001	-.0050329	.0000000	.0000000
180.00	.2120645	.0000000	-.0000001	-.0050329	.0000000	.0000000
182.00	.2071448	.0000000	-.0000001	-.0050329	.0000000	.0000000
184.00	.2023788	.0000000	.0000000	-.0050329	.0000000	.0000000
186.00	.1977628	.0000000	.0000000	-.0050329	.0000000	.0000000
188.00	.1932933	.0000000	.0000000	-.0050329	.0000000	.0000000
190.00	.1889668	.0000000	.0000000	-.0050329	.0000000	.0000000
192.00	.1837659	.0000000	.0000000	-.0050329	.0000000	.0000000
194.00	.1787349	.0000000	.0000000	-.0050329	.0000000	.0000000
196.00	.1738690	.0000000	.0000000	-.0050329	.0000000	.0000000
198.00	.1691637	.0000000	.0000000	-.0050329	.0000000	.0000000

*** Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 162 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
200.00	.1646143	.0000000	.0000000	-.0050329	.0000000	.0000000
202.00	.1602166	.0000000	.0000000	-.0050329	.0000000	.0000000
204.00	.1559663	.0000000	.0000000	-.0050329	.0000000	.0000000
206.00	.1518594	.0000000	.0000000	-.0050329	.0000000	.0000000
208.00	.1478919	.0000000	.0000000	-.0050329	.0000000	.0000000
210.00	.1440601	.0000000	.0000000	-.0050329	.0000000	.0000000
212.00	.1403604	.0000000	.0000000	-.0050329	.0000000	.0000000
214.00	.1368004	.0000000	.0000000	-.0050329	.0000000	.0000000
216.00	.1333891	.0000000	.0000000	-.0050329	.0000000	.0000000
218.00	.1301240	.0000000	.0000000	-.0050329	.0000000	.0000000
220.00	.1270090	.0000000	.0000000	-.0050329	.0000000	.0000000
222.00	.1240231	.0000000	.0000000	-.0050329	.0000000	.0000000
224.00	.1211815	.0000000	.0000000	-.0050329	.0000000	.0000000
226.00	.1184754	.0000000	.0000000	-.0050329	.0000000	.0000000
228.00	.1159022	.0000000	.0000000	-.0050329	.0000000	.0000000
230.00	.1134596	.0000000	.0000000	-.0050329	.0000000	.0000000
232.00	.1111452	.0000000	.0000000	-.0050329	.0000000	.0000000
234.00	.1089568	.0000000	.0000000	-.0050329	.0000000	.0000000
236.00	.1068923	.0000000	.0000000	-.0050329	.0000000	.0000000
238.00	.1049498	.0000000	.0000000	-.0050329	.0000000	.0000000
240.00	.1031274	.0000000	.0000000	-.0050329	.0000000	.0000000
242.00	.1014234	.0000000	.0000000	-.0050329	.0000000	.0000000
244.00	.0998361	.0000000	.0000000	-.0050329	.0000000	.0000000
246.00	.0983641	.0000000	.0000000	-.0050329	.0000000	.0000000
248.00	.0970060	.0000000	.0000000	-.0050329	.0000000	.0000000
250.00	.0957604	.0000000	.0000000	-.0050329	.0000000	.0000000
252.00	.0946261	.0000000	.0000000	-.0050329	.0000000	.0000000
254.00	.0936022	.0000000	.0000000	-.0050329	.0000000	.0000000
256.00	.0926876	.0000000	.0000000	-.0050329	.0000000	.0000000
258.00	.0918814	.0000000	.0000000	-.0050329	.0000000	.0000000
260.00	.0911830	.0000000	.0000000	-.0050329	.0000000	.0000000
262.00	.0905915	.0000000	.0000000	-.0050329	.0000000	.0000000
264.00	.0901066	.0000000	.0000000	-.0050329	.0000000	.0000000
266.00	.0897276	.0000000	.0000000	-.0050329	.0000000	.0000000
268.00	.0894542	.0000000	.0000000	-.0050329	.0000000	.0000000

*** Pile Head Load And Deformation Report For Pile Joint 172 Load Case No. 4 ***

	Allowable Modifier	2.000		
			X	Y
				Z
Specified Springs:	Translational (Kips/In)			
	Rotational (In-Kips/Rad)	1.00		
Calculated Loads:	Force (Kips)	3095.321	14.116	189.844
	Moment (In-Kips)	-0.006	-88107.780	7580.111
Calculated Displacements:	Translational (In)	1.0732	1.9847	45.1146
	Rotational (Rad)	-.00558	.04931	-.00129

*** Pile Detail Report For Pile Joint 172 Load Case No. 4 ***

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	Bending	Axial	Bend.	Total
.00	45.16	87	-3094.9	0.	189.5	85	88433.	85	42.00	1.75	36.0	-13.99	41.36	.32	.77	1.09
2.00	43.96	87	-3095.4	0.	187.6	85	80170.	84	42.00	1.75	36.0	-13.99	37.50	.32	.69	1.02
4.00	42.72	87	-3095.9	0.	185.6	85	71842.	84	42.00	1.75	36.0	-13.99	33.60	.32	.62	.95
6.00	41.45	87	-3096.5	0.	183.3	85	63466.	84	42.00	1.75	36.0	-13.99	29.69	.32	.55	.87
8.00	40.15	87	-3097.0	0.	180.9	85	55059.	83	42.00	1.75	36.0	-14.00	25.75	.32	.48	.80
10.00	38.83	87	-3097.5	0.	178.4	85	46636.	83	42.00	1.75	36.0	-14.00	21.81	.32	.40	.73
12.00	37.48	87	-3097.9	0.	175.6	85	38216.	82	42.00	1.75	36.0	-14.00	17.88	.32	.33	.66
14.00	36.13	87	-3098.4	0.	172.8	85	29818.	81	42.00	1.75	36.0	-14.00	13.95	.32	.26	.58
16.00	34.75	87	-3098.9	0.	169.7	85	21468.	79	42.00	1.75	36.0	-14.00	10.04	.32	.19	.51
18.00	33.37	87	-3099.3	0.	166.6	85	13220.	75	42.00	1.75	36.0	-14.01	6.18	.32	.11	.44
20.00	31.98	87	-3099.7	0.	163.3	85	5364.	56	42.00	1.75	36.0	-14.01	2.51	.32	.05	.37
22.00	30.59	87	-3100.1	0.	159.8	85	4464.	-56	42.00	1.75	36.0	-14.01	2.09	.32	.04	.36
24.00	29.20	87	-3100.5	0.	156.3	85	12013.	-80	42.00	1.75	36.0	-14.01	5.62	.32	.10	.43
26.00	27.82	87	-3100.9	0.	152.6	85	19928.	-85	42.00	1.75	36.0	-14.01	9.32	.32	.17	.50
28.00	26.45	87	-3101.3	0.	148.8	85	27798.	-87	42.00	1.75	36.0	-14.01	13.00	.32	.24	.57
30.00	25.08	87	-3101.6	0.	144.9	85	35563.	-89	42.00	1.75	36.0	-14.02	16.63	.32	.31	.63
32.00	23.74	87	-3101.9	0.	141.0	85	43197.	-89	42.00	1.75	36.0	-14.02	20.20	.32	.37	.70
34.00	22.41	87	-3099.7	0.	129.8	85	50683.	-90	42.00	1.75	36.0	-14.01	23.71	.32	.44	.76
36.00	21.11	87	-3094.9	0.	112.0	84	57833.	-90	42.00	1.75	36.0	-13.99	27.05	.32	.50	.82
38.00	19.83	87	-3090.1	0.	94.5	84	64470.	-91	42.00	1.75	36.0	-13.96	30.16	.32	.56	.88
40.00	18.58	87	-3085.1	0.	77.4	83	70595.	-91	42.00	1.75	36.0	-13.94	33.02	.32	.61	.93
42.00	17.36	86	-3080.1	0.	60.6	82	76207.	-91	42.00	1.75	36.0	-13.92	35.64	.32	.66	.98
44.00	16.17	86	-3075.0	0.	44.3	81	81307.	-91	42.00	1.75	36.0	-13.90	38.03	.32	.70	1.03
46.00	15.02	86	-3069.8	0.	28.5	78	85900.	-91	42.00	1.75	36.0	-13.87	40.18	.32	.74	1.07
48.00	13.91	86	-3064.5	0.	13.3	67	89987.	-91	42.00	1.75	36.0	-13.85	42.09	.32	.78	1.10
50.00	12.83	86	-3059.2	0.	5.1	-33	93573.	-92	42.00	1.75	36.0	-13.82	43.77	.32	.81	1.13
52.00	11.80	86	-3053.8	0.	17.8	-78	96664.	-92	42.00	1.75	36.0	-13.80	45.21	.32	.84	1.16
54.00	10.82	86	-3048.3	0.	31.9	-85	99266.	-92	42.00	1.75	36.0	-13.78	46.43	.32	.86	1.18
56.00	9.87	86	-3042.7	0.	45.6	-87	101385.	-92	42.00	1.75	36.0	-13.75	47.42	.32	.88	1.20
58.00	8.97	86	-3037.1	0.	59.0	-88	103031.	-92	42.00	1.75	36.0	-13.72	48.19	.32	.89	1.21
60.00	8.12	86	-3031.4	0.	72.0	-89	104210.	-92	42.00	1.75	36.0	-13.70	48.74	.32	.90	1.22
62.00	7.31	86	-3025.6	0.	84.5	269	104933.	-92	42.00	1.75	36.0	-13.67	49.08	.32	.91	1.23
64.00	6.55	86	-3019.7	0.	96.6	269	105211.	-92	42.00	1.75	36.0	-13.65	49.21	.32	.91	1.23
66.00	5.83	86	-3013.8	0.	108.2	269	105053.	-92	42.00	1.75	36.0	-13.62	49.14	.32	.91	1.23
68.00	5.16	86	-3007.8	0.	119.3	268	104473.	-92	42.00	1.75	36.0	-13.59	48.87	.31	.90	1.22
70.00	4.54	86	-3001.7	0.	130.0	268	103482.	-92	42.00	1.75	36.0	-13.56	48.40	.31	.90	1.21
72.00	3.96	86	-2995.5	0.	140.2	268	102094.	-92	42.00	1.75	36.0	-13.54	47.75	.31	.88	1.20
74.00	3.43	86	-2989.3	0.	149.9	268	100322.	-92	42.00	1.75	36.0	-13.51	46.92	.31	.87	1.18
76.00	2.94	86	-2983.0	0.	159.0	268	98183.	-92	42.00	1.75	36.0	-13.48	45.92	.31	.85	1.16
78.00	2.50	86	-2976.6	0.	167.7	268	95692.	-92	42.00	1.75	36.0	-13.45	44.76	.31	.83	1.14
80.00	2.10	86	-2970.1	0.	176.0	268	92863.	-92	42.00	1.75	36.0	-13.42	43.44	.31	.80	1.12
82.00	1.74	86	-2963.6	0.	183.7	268	89711.	-92	42.00	1.75	36.0	-13.39	41.96	.31	.78	1.09
84.00	1.42	86	-2957.0	0.	190.9	267	86254.	-93	42.00	1.75	36.0	-13.36	40.34	.31	.75	1.06
86.00	1.14	86	-2950.3	0.	197.6	267	82510.	-93	42.00	1.75	36.0	-13.33	38.59	.31	.71	1.02
88.00	.89	86	-2943.6	0.	203.7	267	78495.	-93	42.00	1.75	36.0	-13.30	36.72	.31	.68	.99
90.00	.68	86	-2936.8	0.	209.4	267	74229.	-93	42.00	1.75	36.0	-13.27	34.72	.31	.64	.95
92.00	.50	86	-2929.9	0.	214.5	267	69730.	-93	42.00	1.75	36.0	-13.24	32.62	.31	.60	.91
94.00	.35	86	-2922.9	0.	219.0	267	65017.	-93	42.00	1.75	36.0	-13.21	30.41	.31	.56	.87
96.00	.23	85	-2915.9	0.	222.6	267	60111.	-93	42.00	1.75	36.0	-13.18	28.12	.31	.52	.83
98.00	.14	85	-2908.8	0.	224.8	267	55039.	-93	42.00	1.75	36.0	-13.14	25.74	.30	.48	.78

*** Pile Detail Report For Pile Joint 172 Load Case No. 4 ***

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	.07	85	-2870.9	0.	349.2	266	49844.	-93	42.00	1.75	36.0	-12.97	23.31	.30	.43	.73
102.00	.02	84	-2803.9	0.	435.9	266	41596.	-93	42.00	1.75	36.0	-12.67	19.46	.29	.36	.65
104.00	.00	-87	-2738.3	0.	421.7	266	31213.	-93	42.00	1.75	36.0	-12.37	14.60	.29	.27	.56
106.00	.02	266	-2674.2	0.	353.8	266	21133.	-94	42.00	1.75	36.0	-12.08	9.88	.28	.18	.46
108.00	.02	266	-2611.4	0.	266.1	266	12655.	-94	42.00	1.75	36.0	-11.80	5.92	.27	.11	.38
110.00	.02	266	-2550.0	0.	180.2	265	6266.	-94	42.00	1.75	36.0	-11.52	2.93	.27	.05	.32
112.00	.02	266	-2489.9	0.	107.7	265	1931.	-95	42.00	1.75	36.0	-11.25	.90	.26	.02	.28
114.00	.01	266	-2431.1	0.	52.9	265	667.	89	42.00	1.75	36.0	-10.99	.31	.25	.01	.26
116.00	.01	265	-2373.6	0.	15.7	264	1945.	86	42.00	1.75	36.0	-10.73	.91	.25	.02	.27
118.00	.01	265	-2317.3	0.	6.5	89	2331.	86	42.00	1.75	36.0	-10.47	1.09	.24	.02	.26
120.00	.00	265	-2262.2	0.	17.3	86	2181.	86	42.00	1.75	36.0	-10.22	1.02	.24	.02	.26
122.00	.00	-90	-2208.3	0.	20.4	86	1770.	86	42.00	1.75	36.0	-9.98	.83	.23	.02	.25
124.00	.00	90	-2155.5	0.	18.9	86	1283.	85	42.00	1.75	36.0	-9.74	.60	.23	.01	.24
126.00	.00	90	-2103.9	0.	15.3	86	829.	85	42.00	1.75	36.0	-9.51	.39	.22	.01	.23
128.00	.00	90	-2053.3	0.	11.0	85	463.	85	42.00	1.75	36.0	-9.28	.22	.21	.00	.22
130.00	.00	90	-2003.8	0.	7.0	85	200.	85	42.00	1.75	36.0	-9.06	.09	.21	.00	.21
132.00	.00	90	-1955.4	0.	3.8	85	32.	82	42.00	1.75	36.0	-8.84	.02	.20	.00	.20
134.00	.00	90	-1907.9	0.	1.6	85	60.	-92	42.00	1.75	36.0	-8.62	.03	.20	.00	.20
136.00	.00	90	-1861.5	0.	.2	78	98.	-93	42.00	1.75	36.0	-8.41	.05	.19	.00	.19
138.00	.00	90	-1816.0	0.	.6	267	102.	-93	42.00	1.75	36.0	-8.21	.05	.19	.00	.19
140.00	.00	0	-1771.4	0.	.9	266	88.	-93	42.00	1.75	36.0	-8.01	.04	.19	.00	.19
142.00	.00	0	-1727.8	0.	.9	266	66.	-93	42.00	1.75	36.0	-7.81	.03	.18	.00	.18
144.00	.00	0	-1685.1	0.	.8	266	44.	-94	42.00	1.75	36.0	-7.61	.02	.18	.00	.18
146.00	.00	0	-1643.2	0.	.6	266	26.	-94	42.00	1.75	36.0	-7.43	.01	.17	.00	.17
148.00	.00	0	-1602.2	0.	.4	265	12.	-94	42.00	1.75	36.0	-7.24	.01	.17	.00	.17
150.00	.00	0	-1560.5	0.	.2	265	3.	-96	42.00	1.75	36.0	-7.05	.00	.16	.00	.16
152.00	.00	0	-1518.2	0.	.1	265	3.	87	42.00	1.75	36.0	-6.86	.00	.16	.00	.16
154.00	.00	0	-1476.8	0.	.0	247	5.	86	42.00	1.75	36.0	-6.67	.00	.15	.00	.15
156.00	.00	0	-1436.2	0.	.0	87	5.	86	42.00	1.75	36.0	-6.49	.00	.15	.00	.15
158.00	.00	0	-1396.3	0.	.0	86	4.	86	42.00	1.75	36.0	-6.31	.00	.15	.00	.15
160.00	.00	0	-1357.3	0.	.0	86	3.	86	42.00	1.75	36.0	-6.13	.00	.14	.00	.14
162.00	.00	0	-1319.0	0.	.0	86	2.	85	42.00	1.75	36.0	-5.96	.00	.14	.00	.14
164.00	.00	0	-1281.4	0.	.0	85	1.	85	42.00	1.75	36.0	-5.79	.00	.13	.00	.13
166.00	.00	0	-1244.5	0.	.0	85	0.	85	42.00	1.75	36.0	-5.62	.00	.13	.00	.13
168.00	.00	0	-1208.4	0.	.0	85	0.	-87	42.00	1.75	36.0	-5.46	.00	.13	.00	.13
170.00	.00	0	-1172.8	0.	.0	83	0.	-93	42.00	1.50	36.0	-5.14	.00	.14	.00	.14
172.00	.00	0	-1137.8	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.96	.00	.14	.00	.14
174.00	.00	0	-1103.6	0.	.0	266	0.	-93	42.00	1.50	36.0	-5.78	.00	.13	.00	.13
176.00	.00	0	-1070.1	0.	.0	266	0.	-93	42.00	1.50	36.0	-5.61	.00	.13	.00	.13
178.00	.00	0	-1037.3	0.	.0	266	0.	-94	42.00	1.50	36.0	-5.44	.00	.13	.00	.13
180.00	.00	0	-1005.1	0.	.0	-90	0.	-94	42.00	1.25	36.0	-6.28	.00	.15	.00	.15
182.00	.00	0	-973.5	0.	.0	-90	0.	-94	42.00	1.25	36.0	-6.08	.00	.14	.00	.14
184.00	.00	0	-942.7	0.	.0	-90	0.	90	42.00	1.25	36.0	-5.89	.00	.14	.00	.14
186.00	.00	0	-912.5	0.	.0	0	0.	86	42.00	1.25	36.0	-5.70	.00	.13	.00	.13
188.00	.00	0	-883.1	0.	.0	0	0.	86	42.00	1.25	36.0	-5.52	.00	.13	.00	.13
190.00	.00	0	-854.3	0.	.0	0	0.	86	42.00	1.00	36.0	-6.63	.00	.15	.00	.15
192.00	.00	0	-826.2	0.	.0	0	0.	86	42.00	1.00	36.0	-6.41	.00	.15	.00	.15
194.00	.00	0	-798.9	0.	.0	0	0.	85	42.00	1.00	36.0	-6.20	.00	.14	.00	.14
196.00	.00	0	-772.3	0.	.0	0	0.	85	42.00	1.00	36.0	-6.00	.00	.14	.00	.14
198.00	.00	0	-746.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.80	.00	.13	.00	.13

*** Pile Detail Report For Pile Joint 172 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		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 (KSI)			Axial	Bend.	Total
200.00	.00	0	-721.4	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.60	.00	.13	.00	.13
202.00	.00	0	-696.9	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.41	.00	.13	.00	.13
204.00	.00	0	-673.2	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.23	.00	.12	.00	.12
206.00	.00	0	-650.1	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.05	.00	.12	.00	.12
208.00	.00	0	-627.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.87	.00	.11	.00	.11
210.00	.00	0	-605.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.70	.00	.11	.00	.11
212.00	.00	0	-582.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.52	.00	.10	.00	.10
214.00	.00	0	-558.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.34	.00	.10	.00	.10
216.00	.00	0	-535.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.15	.00	.10	.00	.10
218.00	.00	0	-511.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.97	.00	.09	.00	.09
220.00	.00	0	-488.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.79	.00	.09	.00	.09
222.00	.00	0	-466.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.62	.00	.08	.00	.08
224.00	.00	0	-443.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.45	.00	.08	.00	.08
226.00	.00	0	-422.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.28	.00	.08	.00	.08
228.00	.00	0	-400.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.11	.00	.07	.00	.07
230.00	.00	0	-379.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.95	.00	.07	.00	.07
232.00	.00	0	-358.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.79	.00	.06	.00	.06
234.00	.00	0	-338.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.63	.00	.06	.00	.06
236.00	.00	0	-318.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.47	.00	.06	.00	.06
238.00	.00	0	-298.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.32	.00	.05	.00	.05
240.00	.00	0	-279.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.17	.00	.05	.00	.05
242.00	.00	0	-260.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.02	.00	.05	.00	.05
244.00	.00	0	-241.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.87	.00	.04	.00	.04
246.00	.00	0	-222.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.73	.00	.04	.00	.04
248.00	.00	0	-203.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.58	.00	.04	.00	.04
250.00	.00	0	-185.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.44	.00	.03	.00	.03
252.00	.00	0	-167.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.30	.00	.03	.00	.03
254.00	.00	0	-149.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.16	.00	.03	.00	.03
256.00	.00	0	-131.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.02	.00	.02	.00	.02
258.00	.00	0	-114.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.89	.00	.02	.00	.02
260.00	.00	0	-96.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.75	.00	.02	.00	.02
262.00	.00	0	-78.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.61	.00	.01	.00	.01
264.00	.00	0	-61.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.48	.00	.01	.00	.01
266.00	.00	0	-44.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.34	.00	.01	.00	.01
268.00	.00	0	-26.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.21	.00	.00	.00	.00

*** File Segment Deflection Report in Pile Coordinate System For Pile Joint 172 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
.00	1.0732310	1.9846830	45.1145600	-.0055812	.0493141	-.0012911
2.00	1.0616560	1.9520520	43.9121400	-.0055812	.0508621	-.0014268
4.00	1.0500800	1.9162630	42.6744000	-.0055812	.0522573	-.0015543
6.00	1.0385010	1.8775120	41.4050300	-.0055812	.0534986	-.0016735
8.00	1.0269210	1.8360010	40.1077100	-.0055812	.0545854	-.0017843
10.00	1.0153380	1.7919320	38.7861700	-.0055812	.0555170	-.0018866
12.00	1.0037540	1.7455130	37.4441300	-.0055812	.0562934	-.0019803
14.00	.9921682	1.6969490	36.0853300	-.0055812	.0569146	-.0020653
16.00	.9805805	1.6464510	34.7134700	-.0055812	.0573811	-.0021415
18.00	.9689910	1.5942280	33.3322700	-.0055812	.0576933	-.0022089
20.00	.9574000	1.5404930	31.9454200	-.0055812	.0578524	-.0022675
22.00	.9458074	1.4854560	30.5565700	-.0055812	.0578594	-.0023173
24.00	.9342133	1.4293310	29.1693700	-.0055812	.0577158	-.0023583
26.00	.9226176	1.3723280	27.7874000	-.0055812	.0574235	-.0023905
28.00	.9110206	1.3146590	26.4142200	-.0055812	.0569843	-.0024139
30.00	.8994222	1.2565330	25.0533100	-.0055812	.0564006	-.0024285
32.00	.8878226	1.1981590	23.7081200	-.0055812	.0556747	-.0024345
34.00	.8762217	1.1397440	22.3820400	-.0055812	.0548095	-.0024319
36.00	.8646290	1.0814920	21.0783500	-.0055812	.0538094	-.0024210
38.00	.8530542	1.0236020	19.8002000	-.0055812	.0526824	-.0024019
40.00	.8414978	.9662613	18.5505300	-.0055812	.0514378	-.0023752
42.00	.8299598	.9096478	17.3320500	-.0055812	.0500853	-.0023414
44.00	.8184407	.8539287	16.1472300	-.0055812	.0486341	-.0023008
46.00	.8069407	.7992607	14.9983300	-.0055812	.0470937	-.0022539
48.00	.7954601	.7457894	13.8873700	-.0055812	.0454735	-.0022011
50.00	.7839992	.6936500	12.8161600	-.0055812	.0437827	-.0021430
52.00	.7725582	.6429667	11.7862900	-.0055812	.0420306	-.0020799
54.00	.7611375	.5938531	10.7991100	-.0055812	.0402260	-.0020122
56.00	.7497373	.5464119	9.8557860	-.0055812	.0383781	-.0019406
58.00	.7383579	.5007349	8.9572420	-.0055812	.0364956	-.0018653
60.00	.7269996	.4569038	8.1042050	-.0055812	.0345872	-.0017868
62.00	.7156626	.4149892	7.2971960	-.0055812	.0326613	-.0017056
64.00	.7043473	.3750516	6.5365350	-.0055812	.0307263	-.0016222
66.00	.6930540	.3371409	5.8223420	-.0055812	.0287903	-.0015368
68.00	.6817828	.3012973	5.1545470	-.0055812	.0268611	-.0014500
70.00	.6705341	.2675505	4.5328920	-.0055812	.0249465	-.0013621
72.00	.6593081	.2359207	3.9569930	-.0055812	.0230539	-.0012736
74.00	.6481053	.2064186	3.4260730	-.0055812	.0211904	-.0011849
76.00	.6369257	.1790452	2.9395100	-.0055812	.0193630	-.0010963
78.00	.6257697	.1537927	2.4963060	-.0055812	.0175783	-.0010082
80.00	.6146376	.1306445	2.0953580	-.0055812	.0158427	-.0009210
82.00	.6035296	.1095755	1.7354150	-.0055812	.0141622	-.0008350
84.00	.5924460	.0905522	1.4150840	-.0055812	.0125426	-.0007506
86.00	.5813872	.0735334	1.1328380	-.0055812	.0109894	-.0006680
88.00	.5703533	.0584700	.8870208	-.0055812	.0095077	-.0005877
90.00	.5593446	.0453061	.6758587	-.0055812	.0081023	-.0005098
92.00	.5483614	.0339788	.4974664	-.0055812	.0067776	-.0004347
94.00	.5374041	.0244187	.3498556	-.0055812	.0055378	-.0003625
96.00	.5264727	.0165506	.2309438	-.0055812	.0043866	-.0002937
98.00	.5155677	.0102935	.1385638	-.0055812	.0033273	-.0002283

*** File Segment Deflection Report In Pile Coordinate System For Pile Joint 172 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
100.00	.5046893	.0055619	.0704757	-.0055812	.0023626	-.0001666
102.00	.4939524	.0022491	.0241671	-.0055812	.0015217	-.0001108
104.00	.4834661	.0001630	-.0039384	-.0055812	.0008522	-.0000650
106.00	.4732251	-.0009657	-.0182462	-.0055812	.0003710	-.0000311
108.00	.4632240	-.0014193	-.0231108	-.0055812	.0000604	-.0000085
110.00	.4534576	-.0014473	-.0222386	-.0055812	-.0001135	.0000048
112.00	.4439208	-.0012453	-.0184521	-.0055812	-.0001888	.0000111
114.00	.4346087	-.0009518	-.0136873	-.0055812	-.0002003	.0000128
116.00	.4255165	-.0006541	-.0091208	-.0055812	-.0001763	.0000117
118.00	.4166394	-.0003989	-.0053477	-.0055812	-.0001369	.0000094
120.00	.4079728	-.0002050	-.0025644	-.0055812	-.0000954	.0000068
122.00	.3995123	-.0000727	-.0007249	-.0055812	-.0000591	.0000043
124.00	.3912534	.0000070	.0003390	-.0055812	-.0000310	.0000024
126.00	.3831919	.0000469	.0008341	-.0055812	-.0000116	.0000010
128.00	.3753237	.0000601	.0009570	-.0055812	.0000003	.0000001
130.00	.3676444	.0000573	.0008678	-.0055812	.0000064	-.0000003
132.00	.3601503	.0000467	.0006833	-.0055812	.0000085	-.0000005
134.00	.3528375	.0000338	.0004792	-.0055812	.0000082	-.0000005
136.00	.3457021	.0000217	.0002977	-.0055812	.0000068	-.0000005
138.00	.3387404	.0000121	.0001570	-.0055812	.0000049	-.0000003
140.00	.3319488	.0000052	.0000601	-.0055812	.0000032	-.0000002
142.00	.3253238	.0000009	.0000014	-.0055812	.0000018	-.0000001
144.00	.3188620	-.0000014	-.0000281	-.0055812	.0000008	-.0000001
146.00	.3125600	-.0000023	-.0000379	-.0055812	.0000001	.0000000
148.00	.3064145	-.0000023	-.0000359	-.0055812	-.0000002	.0000000
150.00	.3004224	-.0000019	-.0000284	-.0055812	-.0000004	.0000000
152.00	.2945861	-.0000014	-.0000195	-.0055812	-.0000004	.0000000
154.00	.2889080	-.0000008	-.0000116	-.0055812	-.0000003	.0000000
156.00	.2833849	-.0000004	-.0000056	-.0055812	-.0000002	.0000000
158.00	.2780139	-.0000002	-.0000017	-.0055812	-.0000001	.0000000
160.00	.2727918	.0000000	.0000005	-.0055812	-.0000001	.0000000
162.00	.2677158	.0000001	.0000014	-.0055812	.0000000	.0000000
164.00	.2627830	.0000001	.0000016	-.0055812	.0000000	.0000000
166.00	.2579907	.0000001	.0000014	-.0055812	.0000000	.0000000
168.00	.2533363	.0000001	.0000010	-.0055812	.0000000	.0000000
170.00	.2488171	.0000000	.0000006	-.0055812	.0000000	.0000000
172.00	.2437317	.0000000	.0000003	-.0055812	.0000000	.0000000
174.00	.2387978	.0000000	.0000001	-.0055812	.0000000	.0000000
176.00	.2340122	.0000000	.0000000	-.0055812	.0000000	.0000000
178.00	.2293719	.0000000	-.0000001	-.0055812	.0000000	.0000000
180.00	.2248739	.0000000	-.0000001	-.0055812	.0000000	.0000000
182.00	.2196761	.0000000	-.0000001	-.0055812	.0000000	.0000000
184.00	.2146416	.0000000	.0000000	-.0055812	.0000000	.0000000
186.00	.2097666	.0000000	.0000000	-.0055812	.0000000	.0000000
188.00	.2050472	.0000000	.0000000	-.0055812	.0000000	.0000000
190.00	.2004800	.0000000	.0000000	-.0055812	.0000000	.0000000
192.00	.1949909	.0000000	.0000000	-.0055812	.0000000	.0000000
194.00	.1896825	.0000000	.0000000	-.0055812	.0000000	.0000000
196.00	.1845497	.0000000	.0000000	-.0055812	.0000000	.0000000
198.00	.1795876	.0000000	.0000000	-.0055812	.0000000	.0000000

*** Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 172 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
200.00	.1747914	.0000000	.0000000	-.0055812	.0000000	.0000000
202.00	.1701566	.0000000	.0000000	-.0055812	.0000000	.0000000
204.00	.1656788	.0000000	.0000000	-.0055812	.0000000	.0000000
206.00	.1613536	.0000000	.0000000	-.0055812	.0000000	.0000000
208.00	.1571769	.0000000	.0000000	-.0055812	.0000000	.0000000
210.00	.1531448	.0000000	.0000000	-.0055812	.0000000	.0000000
212.00	.1492534	.0000000	.0000000	-.0055812	.0000000	.0000000
214.00	.1455090	.0000000	.0000000	-.0055812	.0000000	.0000000
216.00	.1419193	.0000000	.0000000	-.0055812	.0000000	.0000000
218.00	.1384817	.0000000	.0000000	-.0055812	.0000000	.0000000
220.00	.1351939	.0000000	.0000000	-.0055812	.0000000	.0000000
222.00	.1320537	.0000000	.0000000	-.0055812	.0000000	.0000000
224.00	.1290589	.0000000	.0000000	-.0055812	.0000000	.0000000
226.00	.1262070	.0000000	.0000000	-.0055812	.0000000	.0000000
228.00	.1234956	.0000000	.0000000	-.0055812	.0000000	.0000000
230.00	.1209218	.0000000	.0000000	-.0055812	.0000000	.0000000
232.00	.1184834	.0000000	.0000000	-.0055812	.0000000	.0000000
234.00	.1161779	.0000000	.0000000	-.0055812	.0000000	.0000000
236.00	.1140033	.0000000	.0000000	-.0055812	.0000000	.0000000
238.00	.1119573	.0000000	.0000000	-.0055812	.0000000	.0000000
240.00	.1100382	.0000000	.0000000	-.0055812	.0000000	.0000000
242.00	.1082439	.0000000	.0000000	-.0055812	.0000000	.0000000
244.00	.1065730	.0000000	.0000000	-.0055812	.0000000	.0000000
246.00	.1050237	.0000000	.0000000	-.0055812	.0000000	.0000000
248.00	.1035945	.0000000	.0000000	-.0055812	.0000000	.0000000
250.00	.1022842	.0000000	.0000000	-.0055812	.0000000	.0000000
252.00	.1010915	.0000000	.0000000	-.0055812	.0000000	.0000000
254.00	.1000152	.0000000	.0000000	-.0055812	.0000000	.0000000
256.00	.0990544	.0000000	.0000000	-.0055812	.0000000	.0000000
258.00	.0982080	.0000000	.0000000	-.0055812	.0000000	.0000000
260.00	.0974753	.0000000	.0000000	-.0055812	.0000000	.0000000
262.00	.0968557	.0000000	.0000000	-.0055812	.0000000	.0000000
264.00	.0963485	.0000000	.0000000	-.0055812	.0000000	.0000000
266.00	.0959532	.0000000	.0000000	-.0055812	.0000000	.0000000
268.00	.0956694	.0000000	.0000000	-.0055812	.0000000	.0000000

*** Pile Head Load And Deformation Report For Pile Joint 182 Load Case No. 4 ***

Allowable Modifier 2.000

X Y Z

Specified Springs: Translational (Kips/in)

Rotational (in-Kips/Rad) 1.00

Calculated Loads: Force (Kips)

3151.401 146.302 125.355

Moment (in-Kips)

-.003 -59453.690 70917.570

Calculated Displacements: Translational (in)

1.1006 34.4282 31.4292

Rotational (Rad)

-.00347 .03451 -.03641

*** Pile Detail Report For Pile Joint 182 Load Case No. 4 ***

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
.00	46.62	42	-3150.9	0.	191.8	40	92542.	39	42.00	1.75	36.0	-14.24	43.29	.33	.80	1.13
2.00	45.39	42	-3151.5	0.	189.9	40	84091.	39	42.00	1.75	36.0	-14.24	39.33	.33	.73	1.06
4.00	44.13	42	-3152.1	0.	187.8	40	75568.	39	42.00	1.75	36.0	-14.24	35.35	.33	.65	.98
6.00	42.84	42	-3152.7	0.	185.5	40	66991.	39	42.00	1.75	36.0	-14.25	31.33	.33	.58	.91
8.00	41.51	42	-3153.2	0.	183.1	40	58376.	38	42.00	1.75	36.0	-14.25	27.30	.33	.51	.84
10.00	40.16	42	-3153.7	0.	180.5	40	49741.	38	42.00	1.75	36.0	-14.25	23.27	.33	.43	.76
12.00	38.79	42	-3154.2	0.	177.8	40	41103.	37	42.00	1.75	36.0	-14.25	19.23	.33	.36	.69
14.00	37.40	42	-3154.7	0.	174.9	40	32482.	36	42.00	1.75	36.0	-14.26	15.19	.33	.28	.61
16.00	36.00	42	-3155.2	0.	171.8	40	23904.	34	42.00	1.75	36.0	-14.26	11.18	.33	.21	.54
18.00	34.59	42	-3155.7	0.	168.6	40	15414.	31	42.00	1.75	36.0	-14.26	7.21	.33	.13	.46
20.00	33.16	42	-3156.1	0.	165.2	40	7200.	18	42.00	1.75	36.0	-14.26	3.37	.33	.06	.39
22.00	31.74	42	-3156.6	0.	161.8	40	3359.	-81	42.00	1.75	36.0	-14.26	1.57	.33	.03	.36
24.00	30.32	42	-3157.0	0.	158.2	40	10584.	-123	42.00	1.75	36.0	-14.27	4.95	.33	.09	.42
26.00	28.90	42	-3157.4	0.	154.4	40	18688.	-129	42.00	1.75	36.0	-14.27	8.74	.33	.16	.49
28.00	27.49	42	-3157.8	0.	150.6	40	26780.	-132	42.00	1.75	36.0	-14.27	12.53	.33	.23	.56
30.00	26.09	42	-3158.2	0.	146.7	40	34775.	-133	42.00	1.75	36.0	-14.27	16.27	.33	.30	.63
32.00	24.71	42	-3158.6	0.	142.7	40	42640.	-134	42.00	1.75	36.0	-14.27	19.94	.33	.37	.70
34.00	23.34	41	-3156.4	0.	131.4	39	50357.	-135	42.00	1.75	36.0	-14.26	23.55	.33	.44	.77
36.00	22.00	41	-3151.8	0.	113.3	39	57734.	-135	42.00	1.75	36.0	-14.24	27.00	.33	.50	.83
38.00	20.68	41	-3147.1	0.	95.5	39	64592.	-136	42.00	1.75	36.0	-14.22	30.21	.33	.56	.89
40.00	19.39	41	-3142.3	0.	78.2	38	70930.	-136	42.00	1.75	36.0	-14.20	33.18	.33	.61	.94
42.00	18.14	41	-3137.4	0.	61.2	37	76747.	-136	42.00	1.75	36.0	-14.18	35.90	.33	.66	.99
44.00	16.91	41	-3132.4	0.	44.7	35	82045.	-136	42.00	1.75	36.0	-14.16	38.38	.33	.71	1.04
46.00	15.73	41	-3127.4	0.	28.6	32	86825.	-136	42.00	1.75	36.0	-14.13	40.61	.33	.75	1.08
48.00	14.58	41	-3122.3	0.	13.2	21	91090.	-136	42.00	1.75	36.0	-14.11	42.61	.33	.79	1.12
50.00	13.47	41	-3117.1	0.	5.5	-81	94845.	-137	42.00	1.75	36.0	-14.09	44.36	.33	.82	1.15
52.00	12.40	41	-3111.8	0.	18.5	236	98094.	-137	42.00	1.75	36.0	-14.06	45.88	.33	.85	1.18
54.00	11.38	41	-3106.5	0.	32.8	229	100844.	-137	42.00	1.75	36.0	-14.04	47.17	.32	.87	1.20
56.00	10.40	41	-3101.0	0.	46.8	227	103101.	-137	42.00	1.75	36.0	-14.01	48.22	.32	.89	1.22
58.00	9.47	41	-3095.5	0.	60.5	226	104873.	-137	42.00	1.75	36.0	-13.99	49.05	.32	.91	1.23
60.00	8.58	41	-3090.0	0.	73.7	225	106168.	-137	42.00	1.75	36.0	-13.96	49.66	.32	.92	1.24
62.00	7.74	41	-3084.3	0.	86.4	224	106995.	-137	42.00	1.75	36.0	-13.94	50.05	.32	.93	1.25
64.00	6.95	41	-3078.6	0.	98.8	224	107365.	-137	42.00	1.75	36.0	-13.91	50.22	.32	.93	1.25
66.00	6.21	41	-3072.8	0.	110.6	224	107288.	-137	42.00	1.75	36.0	-13.89	50.18	.32	.93	1.25
68.00	5.51	41	-3066.9	0.	122.0	223	106777.	-137	42.00	1.75	36.0	-13.86	49.94	.32	.92	1.25
70.00	4.86	41	-3061.0	0.	132.9	223	105843.	-137	42.00	1.75	36.0	-13.83	49.51	.32	.92	1.24
72.00	4.26	41	-3054.9	0.	143.4	223	104500.	-137	42.00	1.75	36.0	-13.81	48.88	.32	.91	1.22
74.00	3.70	41	-3048.8	0.	153.3	223	102761.	-137	42.00	1.75	36.0	-13.78	48.07	.32	.89	1.21
76.00	3.19	41	-3042.6	0.	162.7	223	100642.	-137	42.00	1.75	36.0	-13.75	47.07	.32	.87	1.19
78.00	2.72	41	-3036.4	0.	171.7	223	98158.	-137	42.00	1.75	36.0	-13.72	45.91	.32	.85	1.17
80.00	2.30	41	-3030.0	0.	180.1	223	95326.	-137	42.00	1.75	36.0	-13.69	44.59	.32	.83	1.14
82.00	1.92	41	-3023.6	0.	188.1	222	92159.	-138	42.00	1.75	36.0	-13.66	43.11	.32	.80	1.11
84.00	1.58	41	-3017.2	0.	195.6	222	88675.	-138	42.00	1.75	36.0	-13.63	41.48	.32	.77	1.08
86.00	1.27	41	-3010.6	0.	202.5	222	84893.	-138	42.00	1.75	36.0	-13.61	39.71	.31	.74	1.05
88.00	1.01	41	-3004.0	0.	209.0	222	80829.	-138	42.00	1.75	36.0	-13.58	37.81	.31	.70	1.01
90.00	.78	41	-2997.3	0.	214.9	222	76500.	-138	42.00	1.75	36.0	-13.54	35.78	.31	.66	.98
92.00	.59	40	-2990.5	0.	220.2	222	71928.	-138	42.00	1.75	36.0	-13.51	33.64	.31	.62	.94
94.00	.42	40	-2983.6	0.	225.0	222	67130.	-138	42.00	1.75	36.0	-13.48	31.40	.31	.58	.89
96.00	.29	40	-2976.7	0.	229.3	222	62127.	-138	42.00	1.75	36.0	-13.45	29.06	.31	.54	.85
98.00	.19	40	-2969.7	0.	232.2	222	56939.	-138	42.00	1.75	36.0	-13.42	26.63	.31	.49	.80

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*** Pile Detail Report For Pile Joint 182 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			Axial	Bend. Total	
100.00	.10	40	-2962.6	0.	233.9	222	51606.	-138	42.00	1.75	36.0	-13.39	24.14	.31	.45	.76
102.00	.05	39	-2893.4	0.	399.1	221	46166.	-138	42.00	1.75	36.0	-13.08	21.59	.30	.40	.70
104.00	.01	37	-2825.6	0.	433.7	221	36697.	-139	42.00	1.75	36.0	-12.77	17.16	.30	.32	.61
106.00	.01	222	-2759.3	0.	391.2	221	26349.	-139	42.00	1.75	36.0	-12.47	12.32	.29	.23	.52
108.00	.02	221	-2694.5	0.	312.4	220	16986.	-139	42.00	1.75	36.0	-12.18	7.95	.28	.15	.43
110.00	.02	221	-2631.0	0.	224.8	220	9494.	-139	42.00	1.75	36.0	-11.89	4.44	.28	.08	.36
112.00	.02	221	-2568.9	0.	144.9	220	4094.	-140	42.00	1.75	36.0	-11.61	1.91	.27	.04	.30
114.00	.02	220	-2508.2	0.	80.7	220	608.	-144	42.00	1.75	36.0	-11.33	.28	.26	.01	.27
116.00	.01	220	-2448.7	0.	34.3	219	1343.	42	42.00	1.75	36.0	-11.07	.63	.26	.01	.27
118.00	.01	220	-2390.5	0.	4.5	215	2177.	41	42.00	1.75	36.0	-10.80	1.02	.25	.02	.27
120.00	.00	220	-2333.5	0.	12.2	42	2292.	41	42.00	1.75	36.0	-10.55	1.07	.24	.02	.26
122.00	.00	219	-2277.8	0.	19.2	41	2006.	40	42.00	1.75	36.0	-10.29	.94	.24	.02	.26
124.00	.00	214	-2223.2	0.	20.0	41	1549.	40	42.00	1.75	36.0	-10.05	.72	.23	.01	.25
126.00	.00	42	-2169.8	0.	17.3	40	1072.	40	42.00	1.75	36.0	-9.81	.50	.23	.01	.24
128.00	.00	41	-2117.6	0.	13.3	40	656.	40	42.00	1.75	36.0	-9.57	.31	.22	.01	.23
130.00	.00	41	-2066.4	0.	9.1	40	337.	40	42.00	1.75	36.0	-9.34	.16	.22	.00	.22
132.00	.00	40	-2016.3	0.	5.5	40	118.	39	42.00	1.75	36.0	-9.11	.06	.21	.00	.21
134.00	.00	40	-1967.2	0.	2.7	40	14.	-130	42.00	1.75	36.0	-8.89	.01	.21	.00	.21
136.00	.00	40	-1919.2	0.	.9	39	81.	-138	42.00	1.75	36.0	-8.67	.04	.20	.00	.20
138.00	.00	40	-1872.1	0.	.2	225	102.	-138	42.00	1.75	36.0	-8.46	.05	.20	.00	.20
140.00	.00	0	-1826.0	0.	.8	221	97.	-138	42.00	1.75	36.0	-8.25	.05	.19	.00	.19
142.00	.00	0	-1780.9	0.	.9	221	78.	-139	42.00	1.75	36.0	-8.05	.04	.19	.00	.19
144.00	.00	0	-1736.7	0.	.9	221	56.	-139	42.00	1.75	36.0	-7.85	.03	.18	.00	.18
146.00	.00	0	-1693.4	0.	.7	220	36.	-139	42.00	1.75	36.0	-7.65	.02	.18	.00	.18
148.00	.00	0	-1651.0	0.	.5	220	19.	-139	42.00	1.75	36.0	-7.46	.01	.17	.00	.17
150.00	.00	0	-1609.4	0.	.3	220	8.	-140	42.00	1.75	36.0	-7.27	.00	.17	.00	.17
152.00	.00	0	-1567.2	0.	.2	220	0.	-176	42.00	1.75	36.0	-7.08	.00	.16	.00	.16
154.00	.00	0	-1524.3	0.	.0	219	4.	41	42.00	1.75	36.0	-6.89	.00	.16	.00	.16
156.00	.00	0	-1482.2	0.	.0	44	5.	41	42.00	1.75	36.0	-6.70	.00	.16	.00	.16
158.00	.00	0	-1441.0	0.	.0	41	5.	41	42.00	1.75	36.0	-6.51	.00	.15	.00	.15
160.00	.00	0	-1400.6	0.	.0	41	4.	40	42.00	1.75	36.0	-6.33	.00	.15	.00	.15
162.00	.00	0	-1360.9	0.	.0	41	2.	40	42.00	1.75	36.0	-6.15	.00	.14	.00	.14
164.00	.00	0	-1322.0	0.	.0	40	1.	40	42.00	1.75	36.0	-5.97	.00	.14	.00	.14
166.00	.00	0	-1283.9	0.	.0	40	1.	40	42.00	1.75	36.0	-5.80	.00	.13	.00	.13
168.00	.00	0	-1246.5	0.	.0	40	0.	38	42.00	1.75	36.0	-5.63	.00	.13	.00	.13
170.00	.00	0	-1209.6	0.	.0	39	0.	-137	42.00	1.50	36.0	-6.34	.00	.15	.00	.15
172.00	.00	0	-1173.4	0.	.0	20	0.	-138	42.00	1.50	36.0	-6.15	.00	.14	.00	.14
174.00	.00	0	-1138.0	0.	.0	221	0.	-138	42.00	1.50	36.0	-5.96	.00	.14	.00	.14
176.00	.00	0	-1103.3	0.	.0	221	0.	-139	42.00	1.50	36.0	-5.78	.00	.13	.00	.13
178.00	.00	0	-1069.4	0.	.0	221	0.	-139	42.00	1.50	36.0	-5.60	.00	.13	.00	.13
180.00	.00	0	-1036.0	0.	.0	220	0.	-139	42.00	1.25	36.0	-6.47	.00	.15	.00	.15
182.00	.00	0	-1003.3	0.	.0	220	0.	-139	42.00	1.25	36.0	-6.27	.00	.15	.00	.15
184.00	.00	0	-971.4	0.	.0	220	0.	-141	42.00	1.25	36.0	-6.07	.00	.14	.00	.14
186.00	.00	0	-940.2	0.	.0	0	0.	42	42.00	1.25	36.0	-5.88	.00	.14	.00	.14
188.00	.00	0	-909.7	0.	.0	0	0.	41	42.00	1.25	36.0	-5.68	.00	.13	.00	.13
190.00	.00	0	-879.9	0.	.0	0	0.	41	42.00	1.00	36.0	-6.83	.00	.16	.00	.16
192.00	.00	0	-850.7	0.	.0	0	0.	40	42.00	1.00	36.0	-6.60	.00	.15	.00	.15
194.00	.00	0	-822.4	0.	.0	0	0.	40	42.00	1.00	36.0	-6.39	.00	.15	.00	.15
196.00	.00	0	-794.9	0.	.0	0	0.	40	42.00	1.00	36.0	-6.17	.00	.14	.00	.14
198.00	.00	0	-768.1	0.	.0	0	0.	39	42.00	1.00	36.0	-5.96	.00	.14	.00	.14

*** Pile Detail Report For Pile Joint 182 Load Case No. 4 ***

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	-742.1	0.	.0	0	0.	-137	42.00	1.00	36.0	-5.76	.00	.13	.00	.13
202.00	.00	0	-716.8	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.56	.00	.13	.00	.13
204.00	.00	0	-692.1	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.37	.00	.12	.00	.12
206.00	.00	0	-668.2	0.	.0	0	0.	-139	42.00	1.00	36.0	-5.19	.00	.12	.00	.12
208.00	.00	0	-644.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.01	.00	.12	.00	.12
210.00	.00	0	-622.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.83	.00	.11	.00	.11
212.00	.00	0	-600.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.66	.00	.11	.00	.11
214.00	.00	0	-575.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.47	.00	.10	.00	.10
216.00	.00	0	-551.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.28	.00	.10	.00	.10
218.00	.00	0	-527.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.09	.00	.09	.00	.09
220.00	.00	0	-503.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.91	.00	.09	.00	.09
222.00	.00	0	-480.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.73	.00	.09	.00	.09
224.00	.00	0	-457.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.55	.00	.08	.00	.08
226.00	.00	0	-435.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.38	.00	.08	.00	.08
228.00	.00	0	-413.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.21	.00	.07	.00	.07
230.00	.00	0	-391.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.04	.00	.07	.00	.07
232.00	.00	0	-370.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.87	.00	.07	.00	.07
234.00	.00	0	-349.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.71	.00	.06	.00	.06
236.00	.00	0	-328.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.55	.00	.06	.00	.06
238.00	.00	0	-308.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.39	.00	.06	.00	.06
240.00	.00	0	-287.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.24	.00	.05	.00	.05
242.00	.00	0	-268.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.08	.00	.05	.00	.05
244.00	.00	0	-248.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.93	.00	.04	.00	.04
246.00	.00	0	-229.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.78	.00	.04	.00	.04
248.00	.00	0	-210.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.63	.00	.04	.00	.04
250.00	.00	0	-191.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.48	.00	.03	.00	.03
252.00	.00	0	-172.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.34	.00	.03	.00	.03
254.00	.00	0	-154.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.20	.00	.03	.00	.03
256.00	.00	0	-135.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.05	.00	.02	.00	.02
258.00	.00	0	-117.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.91	.00	.02	.00	.02
260.00	.00	0	-99.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.77	.00	.02	.00	.02
262.00	.00	0	-81.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.63	.00	.01	.00	.01
264.00	.00	0	-63.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.49	.00	.01	.00	.01
266.00	.00	0	-45.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.35	.00	.01	.00	.01
268.00	.00	0	-27.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.21	.00	.00	.00	.00

*** Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 182 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
.00	1.1005650	34.4282000	31.4292400	-.0034710	.0345093	-.0364132
2.00	1.0887810	33.5390700	30.5882800	-.0034710	.0355532	-.0376623
4.00	1.0769940	32.6213500	29.7235200	-.0034710	.0364927	-.0387949
6.00	1.0652060	31.6778500	28.8374700	-.0034710	.0373270	-.0398100
8.00	1.0534150	30.7114100	27.9325700	-.0034710	.0380555	-.0407068
10.00	1.0416220	29.7248700	27.0116500	-.0034710	.0386781	-.0414848
12.00	1.0298280	28.7210900	26.0769700	-.0034710	.0391945	-.0421438
14.00	1.0180310	27.7029200	25.1311700	-.0034710	.0396048	-.0426838
16.00	1.0062330	26.6732200	24.1767900	-.0034710	.0399092	-.0431049
18.00	.9944326	25.6348400	23.2163700	-.0034710	.0401083	-.0434074
20.00	.9826306	24.5906100	22.2524200	-.0034710	.0402027	-.0435920
22.00	.9708270	23.5433600	21.2874700	-.0034710	.0401932	-.0436595
24.00	.9590217	22.4958800	20.3239700	-.0034710	.0400808	-.0436109
26.00	.9472148	21.4509500	19.3644000	-.0034710	.0399668	-.0434475
28.00	.9354064	20.4113100	18.4111700	-.0034710	.0398524	-.0431705
30.00	.9235966	19.3796600	17.4666800	-.0034710	.0397393	-.0427818
32.00	.9117852	18.3586600	16.5332600	-.0034710	.0396291	-.0422830
34.00	.8999726	17.3509400	15.6132400	-.0034710	.0395238	-.0416761
36.00	.8881679	16.3590500	14.7088600	-.0034710	.0394265	-.0409647
38.00	.8763804	15.3854300	13.8222600	-.0034710	.0393426	-.0401544
40.00	.8646108	14.4323700	12.9554500	-.0034710	.0392678	-.0392525
42.00	.8528591	13.5019800	12.1102800	-.0034710	.0392006	-.0382661
44.00	.8411256	12.5962100	11.2884400	-.0034710	.0391355	-.0372023
46.00	.8294107	11.7168300	10.4914600	-.0034710	.0390697	-.0360662
48.00	.8177146	10.8654500	9.7207340	-.0034710	.0390049	-.0348708
50.00	.8060376	10.0434800	8.9774790	-.0034710	.0389381	-.0336171
52.00	.7943801	9.2522160	8.2627790	-.0034710	.0388699	-.0323142
54.00	.7827422	8.4927420	7.5775620	-.0034710	.0387925	-.0309689
56.00	.7711244	7.7659560	6.9226070	-.0034710	.0387050	-.0295879
58.00	.7595268	7.0727550	6.2985500	-.0034710	.0386054	-.0281780
60.00	.7479498	6.4136310	5.7058800	-.0034710	.0385033	-.0267458
62.00	.7363936	5.7890840	5.1449480	-.0034710	.0383976	-.0252977
64.00	.7248586	5.1994170	4.6159630	-.0034710	.0382879	-.0238402
66.00	.7133450	4.6447830	4.1190030	-.0034710	.0381739	-.0223793
68.00	.7018530	4.1251890	3.6540110	-.0034710	.0380556	-.0209212
70.00	.6903831	3.6404980	3.2208030	-.0034710	.0379320	-.0194717
72.00	.6789355	3.1904330	2.8190710	-.0034710	.0378037	-.0180366
74.00	.6675104	2.7745830	2.4483850	-.0034710	.0376705	-.0166214
76.00	.6561081	2.3924060	2.1081990	-.0034710	.0375347	-.0152314
78.00	.6447290	2.0432340	1.7978550	-.0034710	.0373959	-.0138717
80.00	.6333733	1.7262800	1.5165890	-.0034710	.0372533	-.0125474
82.00	.6220412	1.4406400	1.2635330	-.0034710	.0371094	-.0112630
84.00	.6107331	1.1853000	1.0377210	-.0034710	.0369656	-.0100231
86.00	.5994492	.9591400	.8380946	-.0034710	.0368219	-.0088320
88.00	.5881898	.7609432	.6635078	-.0034710	.0366796	-.0076935
90.00	.5769553	.5893976	.5127319	-.0034710	.0365382	-.0066116
92.00	.5657458	.4431041	.3844610	-.0034710	.0363974	-.0055898
94.00	.5545617	.3205821	.2773179	-.0034710	.0362574	-.0046312
96.00	.5434031	.2202764	.1898597	-.0034710	.0361182	-.0037389
98.00	.5322706	.1405634	.1205838	-.0034710	.0359791	-.0029156

*** Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 182 Load Case No. 4 ***

Dist. Along Pile (Ft)	Deflections (In)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
100.00	.5211641	.0797586	.0679346	-.0034710	.0018694	-.0021635
102.00	.5100842	.0361292	.0303145	-.0034710	.0012769	-.0014845
104.00	.4992632	.0076824	.0059066	-.0034710	.0007763	-.0009078
106.00	.4886956	-.0085421	-.0079148	-.0034710	.0003964	-.0004682
108.00	.4783760	-.0158841	-.0140760	-.0034710	.0001359	-.0001654
110.00	.4682989	-.0174187	-.0152536	-.0034710	-.0000227	.0000201
112.00	.4584592	-.0156386	-.0136073	-.0034710	-.0001036	.0001157
114.00	.4488517	-.0123631	-.0107061	-.0034710	-.0001311	.0001492
116.00	.4394715	-.0087839	-.0075727	-.0034710	-.0001261	.0001446
118.00	.4303136	-.0055810	-.0047865	-.0034710	-.0001045	.0001204
120.00	.4213734	-.0030594	-.0026034	-.0034710	-.0000773	.0000895
122.00	.4126462	-.0012784	-.0010685	-.0034710	-.0000512	.0000596
124.00	.4041274	-.0001575	-.0001076	-.0034710	-.0000298	.0000349
126.00	.3958127	.0004464	.0004058	-.0034710	-.0000140	.0000166
128.00	.3876977	.0006876	.0006067	-.0034710	-.0000036	.0000045
130.00	.3797783	.0007030	.0006142	-.0034710	.0000023	-.0000025
132.00	.3720502	.0005991	.0005204	-.0034710	.0000050	-.0000057
134.00	.3645096	.0004501	.0003891	-.0034710	.0000056	-.0000064
136.00	.3571524	.0003016	.0002595	-.0034710	.0000050	-.0000058
138.00	.3499749	.0001772	.0001515	-.0034710	.0000039	-.0000045
140.00	.3429734	.0000851	.0000719	-.0034710	.0000027	-.0000032
142.00	.3361442	.0000246	.0000199	-.0034710	.0000017	-.0000019
144.00	.3294837	-.0000099	-.0000095	-.0034710	.0000008	-.0000010
146.00	.3229886	-.0000255	-.0000227	-.0034710	.0000003	-.0000004
148.00	.3166554	-.0000288	-.0000253	-.0034710	.0000000	.0000000
150.00	.3104809	-.0000253	-.0000221	-.0034710	-.0000002	.0000002
152.00	.3044618	-.0000190	-.0000165	-.0034710	-.0000002	.0000003
154.00	.2986008	-.0000125	-.0000107	-.0034710	-.0000002	.0000003
156.00	.2929002	-.0000070	-.0000060	-.0034710	-.0000002	.0000002
158.00	.2873568	-.0000030	-.0000026	-.0034710	-.0000001	.0000001
160.00	.2819676	-.0000006	-.0000005	-.0034710	-.0000001	.0000001
162.00	.2767296	.0000007	.0000006	-.0034710	.0000000	.0000000
164.00	.2716399	.0000012	.0000010	-.0034710	.0000000	.0000000
166.00	.2666956	.0000012	.0000010	-.0034710	.0000000	.0000000
168.00	.2618940	.0000009	.0000008	-.0034710	.0000000	.0000000
170.00	.2572324	.0000006	.0000005	-.0034710	.0000000	.0000000
172.00	.2519872	.0000004	.0000003	-.0034710	.0000000	.0000000
174.00	.2468989	.0000002	.0000001	-.0034710	.0000000	.0000000
176.00	.2419641	.0000000	.0000000	-.0034710	.0000000	.0000000
178.00	.2371798	.0000000	.0000000	-.0034710	.0000000	.0000000
180.00	.2325427	.0000000	.0000000	-.0034710	.0000000	.0000000
182.00	.2271850	.0000000	.0000000	-.0034710	.0000000	.0000000
184.00	.2219964	.0000000	.0000000	-.0034710	.0000000	.0000000
186.00	.2169729	.0000000	.0000000	-.0034710	.0000000	.0000000
188.00	.2121107	.0000000	.0000000	-.0034710	.0000000	.0000000
190.00	.2074059	.0000000	.0000000	-.0034710	.0000000	.0000000
192.00	.2017526	.0000000	.0000000	-.0034710	.0000000	.0000000
194.00	.1962865	.0000000	.0000000	-.0034710	.0000000	.0000000
196.00	.1910022	.0000000	.0000000	-.0034710	.0000000	.0000000
198.00	.1858949	.0000000	.0000000	-.0034710	.0000000	.0000000

* * * Pile Segment Deflection Report In Pile Coordinate System For Pile Joint 182 Load Case No. 4 * * *

Dist. Along Pile (Ft)	Deflections (in)			Rotations (Rad)		
	X	Y	Z	X	Y	Z
200.00	.1809595	.0000000	.0000000	-.0034710	.0000000	.0000000
202.00	.1761913	.0000000	.0000000	-.0034710	.0000000	.0000000
204.00	.1715859	.0000000	.0000000	-.0034710	.0000000	.0000000
206.00	.1671388	.0000000	.0000000	-.0034710	.0000000	.0000000
208.00	.1628457	.0000000	.0000000	-.0034710	.0000000	.0000000
210.00	.1587026	.0000000	.0000000	-.0034710	.0000000	.0000000
212.00	.1547054	.0000000	.0000000	-.0034710	.0000000	.0000000
214.00	.1508505	.0000000	.0000000	-.0034710	.0000000	.0000000
216.00	.1471538	.0000000	.0000000	-.0034710	.0000000	.0000000
218.00	.1436129	.0000000	.0000000	-.0034710	.0000000	.0000000
220.00	.1402253	.0000000	.0000000	-.0034710	.0000000	.0000000
222.00	.1369887	.0000000	.0000000	-.0034710	.0000000	.0000000
224.00	.1339009	.0000000	.0000000	-.0034710	.0000000	.0000000
226.00	.1309597	.0000000	.0000000	-.0034710	.0000000	.0000000
228.00	.1281632	.0000000	.0000000	-.0034710	.0000000	.0000000
230.00	.1255089	.0000000	.0000000	-.0034710	.0000000	.0000000
232.00	.1229942	.0000000	.0000000	-.0034710	.0000000	.0000000
234.00	.1206168	.0000000	.0000000	-.0034710	.0000000	.0000000
236.00	.1183744	.0000000	.0000000	-.0034710	.0000000	.0000000
238.00	.1162649	.0000000	.0000000	-.0034710	.0000000	.0000000
240.00	.1142862	.0000000	.0000000	-.0034710	.0000000	.0000000
242.00	.1124366	.0000000	.0000000	-.0034710	.0000000	.0000000
244.00	.1107142	.0000000	.0000000	-.0034710	.0000000	.0000000
246.00	.1091173	.0000000	.0000000	-.0034710	.0000000	.0000000
248.00	.1076446	.0000000	.0000000	-.0034710	.0000000	.0000000
250.00	.1062945	.0000000	.0000000	-.0034710	.0000000	.0000000
252.00	.1050658	.0000000	.0000000	-.0034710	.0000000	.0000000
254.00	.1039573	.0000000	.0000000	-.0034710	.0000000	.0000000
256.00	.1029680	.0000000	.0000000	-.0034710	.0000000	.0000000
258.00	.1020970	.0000000	.0000000	-.0034710	.0000000	.0000000
260.00	.1013433	.0000000	.0000000	-.0034710	.0000000	.0000000
262.00	.1007063	.0000000	.0000000	-.0034710	.0000000	.0000000
264.00	.1001854	.0000000	.0000000	-.0034710	.0000000	.0000000
266.00	.0997801	.0000000	.0000000	-.0034710	.0000000	.0000000
268.00	.0994899	.0000000	.0000000	-.0034710	.0000000	.0000000

*** Pile Critical Load Case Report For Pile Joint 200 - Critical Load Case 4 ***

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	44.76	89	-374.9	0.	331.2	88	96870.	86	33.00	16.49	36.0	-.44	27.46	.01	.51	.52
2.01	43.68	89	-380.1	0.	329.6	88	88469.	86	33.00	16.49	36.0	-.44	25.08	.01	.46	.47
4.02	42.57	89	-385.3	0.	327.8	88	80091.	86	33.00	16.49	36.0	-.45	22.70	.01	.42	.43
6.04	41.43	89	-390.5	0.	325.9	88	71740.	86	33.00	16.49	36.0	-.46	20.33	.01	.38	.39
8.05	40.27	89	-395.7	0.	323.8	88	63422.	86	33.00	16.49	36.0	-.46	17.98	.01	.33	.34
10.06	39.08	89	-400.9	0.	321.5	88	55141.	85	33.00	16.49	36.0	-.47	15.63	.01	.29	.30
12.07	37.88	89	-406.1	0.	319.1	88	46903.	85	33.00	16.49	36.0	-.47	13.29	.01	.25	.26
14.09	36.66	89	-411.3	0.	316.5	88	38714.	84	33.00	16.49	36.0	-.48	10.97	.01	.20	.21
16.10	35.43	89	-416.5	0.	313.8	88	30582.	84	33.00	16.49	36.0	-.49	8.67	.01	.16	.17
18.11	34.18	89	-421.7	0.	311.0	88	22516.	82	33.00	16.49	36.0	-.49	6.38	.01	.12	.13
20.12	32.93	88	-426.9	0.	308.1	88	14543.	79	33.00	16.49	36.0	-.50	4.12	.01	.08	.09
22.14	31.68	88	-432.1	0.	305.0	88	6787.	68	33.00	16.49	36.0	-.51	1.92	.01	.04	.05
24.15	30.42	88	-437.3	0.	301.8	88	2760.	-35	33.00	16.49	36.0	-.51	.78	.01	.01	.03
26.16	29.16	88	-442.5	0.	298.5	88	9640.	-77	33.00	16.49	36.0	-.52	2.73	.01	.05	.06
28.17	27.90	88	-447.7	0.	295.1	88	17279.	-84	33.00	16.49	36.0	-.52	4.90	.01	.09	.10
30.19	26.65	88	-452.9	0.	291.6	88	24916.	-86	33.00	16.49	36.0	-.53	7.06	.01	.13	.14
32.20	25.41	88	-456.8	0.	288.6	88	32494.	-87	33.00	16.49	36.0	-.53	9.21	.01	.17	.18
34.21	24.18	88	-459.4	0.	285.6	88	39841.	-88	33.00	16.49	36.0	-.54	11.29	.01	.21	.22
36.22	22.97	88	-461.9	0.	249.8	88	46802.	-88	33.00	16.49	36.0	-.54	13.27	.01	.25	.26
38.23	21.77	88	-464.5	0.	234.4	88	53382.	-89	33.00	16.49	36.0	-.54	15.13	.01	.28	.29
40.25	20.59	88	-467.0	0.	219.2	87	59584.	-89	33.00	16.49	36.0	-.55	16.89	.01	.31	.33
42.26	19.43	88	-469.6	0.	204.3	87	65414.	-89	33.00	16.49	36.0	-.55	18.54	.01	.34	.36
44.27	18.29	88	-472.2	0.	189.7	87	70877.	-89	33.00	16.49	36.0	-.55	20.09	.01	.37	.38
46.28	17.18	88	-474.8	0.	175.4	87	75980.	-90	33.00	16.49	36.0	-.56	21.54	.01	.40	.41
48.30	16.09	88	-477.5	0.	161.4	87	80729.	-90	33.00	16.49	36.0	-.56	22.88	.01	.42	.44
50.31	15.03	88	-480.1	0.	147.7	87	85130.	-90	33.00	16.49	36.0	-.56	24.13	.01	.45	.46
52.32	14.00	88	-482.8	0.	134.4	87	89189.	-90	33.00	16.49	36.0	-.56	25.28	.01	.47	.48
54.33	13.00	88	-485.4	0.	121.3	87	92914.	-90	33.00	16.49	36.0	-.57	26.34	.01	.49	.50
56.35	12.03	88	-488.1	0.	108.6	87	96311.	-90	33.00	16.49	36.0	-.57	27.30	.01	.51	.52
58.36	11.10	88	-490.8	0.	96.3	86	99388.	-90	33.00	16.49	36.0	-.57	28.17	.01	.52	.53
60.37	10.20	88	-493.5	0.	84.3	86	102153.	-90	33.00	16.49	36.0	-.58	28.95	.01	.54	.55
62.38	9.34	88	-496.3	0.	72.6	86	104612.	-90	33.00	16.49	36.0	-.58	29.65	.01	.55	.56
64.40	8.51	88	-499.0	0.	61.3	85	106774.	-90	33.00	16.49	36.0	-.58	30.26	.01	.56	.57
66.41	7.72	88	-501.8	0.	50.4	85	108647.	-90	33.00	16.49	36.0	-.59	30.79	.01	.57	.58
68.42	6.96	88	-504.5	0.	39.8	84	110239.	-90	33.00	16.49	36.0	-.59	31.25	.01	.58	.59
70.43	6.25	88	-507.3	0.	29.7	82	111558.	-90	33.00	16.49	36.0	-.59	31.62	.01	.59	.60
72.44	5.57	88	-510.1	0.	19.9	80	112614.	-90	33.00	16.49	36.0	-.60	31.92	.01	.59	.60
74.46	4.93	88	-512.9	0.	10.7	72	113415.	-90	33.00	16.49	36.0	-.60	32.15	.01	.60	.61
76.47	4.33	88	-515.8	0.	3.2	21	113969.	-91	33.00	16.49	36.0	-.60	32.30	.01	.60	.61
78.48	3.77	88	-518.6	0.	7.9	-69	114288.	-91	33.00	16.49	36.0	-.61	32.39	.01	.60	.61
80.49	3.25	88	-521.5	0.	15.8	-80	114381.	-91	33.00	16.49	36.0	-.61	32.42	.01	.60	.61
82.51	2.77	88	-524.3	0.	23.4	-84	114256.	-91	33.00	16.49	36.0	-.61	32.38	.01	.60	.61
84.52	2.33	88	-527.2	0.	30.7	-85	113925.	-91	33.00	16.49	36.0	-.62	32.29	.01	.60	.61
86.53	1.93	88	-530.1	0.	37.5	-86	113400.	-91	33.00	16.49	36.0	-.62	32.14	.01	.60	.61
88.54	1.56	88	-533.0	0.	43.9	-87	112691.	-91	33.00	16.49	36.0	-.62	31.94	.01	.59	.61
90.56	1.24	88	-536.0	0.	49.7	-88	111806.	-91	33.00	16.49	36.0	-.63	31.69	.01	.59	.60
92.57	.95	88	-538.9	0.	55.1	-88	110760.	-91	33.00	16.49	36.0	-.63	31.39	.01	.58	.60
94.58	.71	88	-541.9	0.	60.0	-88	109564.	-91	33.00	16.49	36.0	-.63	31.05	.01	.58	.59
96.59	.50	88	-544.9	0.	64.4	-88	108229.	-91	33.00	16.49	36.0	-.64	30.68	.01	.57	.58
98.60	.33	88	-547.9	0.	68.1	-88	106770.	-91	33.00	16.49	36.0	-.64	30.26	.01	.56	.58

*** File Critical Load Case Report For Pile Joint 200 - Critical Load Case 4 ***

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 (in)	Fy (KSI)			Axial	Bend.	Total
100.62	.19	88	-547.5	0.	404.3	268	105200.	-91	33.00	16.49	36.0	-.64	29.82	.01	.55	.57
102.63	.09	88	-543.8	0.	735.6	268	95493.	-91	33.00	16.49	36.0	-.64	27.07	.01	.50	.52
104.64	.03	88	-540.2	0.	828.8	268	77766.	-91	33.00	16.49	36.0	-.63	22.04	.01	.41	.42
106.65	.01	269	-536.6	0.	774.6	268	57774.	-91	33.00	16.49	36.0	-.63	16.38	.01	.30	.32
108.67	.03	268	-533.1	0.	643.5	268	39080.	-91	33.00	16.49	36.0	-.62	11.08	.01	.21	.22
110.68	.04	268	-529.7	0.	485.8	268	23545.	-91	33.00	16.49	36.0	-.62	6.67	.01	.12	.14
112.69	.04	268	-526.4	0.	333.7	268	11813.	-91	33.00	16.49	36.0	-.62	3.35	.01	.06	.08
114.70	.03	268	-523.1	0.	204.6	268	3752.	-91	33.00	16.49	36.0	-.61	1.06	.01	.02	.03
116.72	.02	268	-519.9	0.	105.6	268	1192.	89	33.00	16.49	36.0	-.61	.34	.01	.01	.02
118.73	.02	268	-516.8	0.	36.5	268	3746.	88	33.00	16.49	36.0	-.60	1.06	.01	.02	.03
120.74	.01	268	-513.7	0.	6.5	89	4631.	88	33.00	16.49	36.0	-.60	1.31	.01	.02	.04
122.75	.01	268	-510.8	0.	29.3	88	4476.	88	33.00	16.49	36.0	-.60	1.27	.01	.02	.04
124.77	.00	-90	-507.8	0.	37.8	88	3769.	88	33.00	16.49	36.0	-.59	1.07	.01	.02	.03
126.78	.00	90	-505.0	0.	37.1	88	2858.	88	33.00	16.49	36.0	-.59	.81	.01	.02	.03
128.79	.00	90	-502.2	0.	31.6	88	1962.	88	33.00	16.49	36.0	-.59	.56	.01	.01	.02
130.80	.00	90	-499.5	0.	24.1	88	1199.	88	33.00	16.49	36.0	-.58	.34	.01	.01	.02
132.81	.00	90	-496.9	0.	16.6	88	617.	88	33.00	16.49	36.0	-.58	.17	.01	.00	.02
134.83	.00	90	-494.3	0.	10.2	88	215.	88	33.00	16.49	36.0	-.58	.06	.01	.00	.01
136.84	.00	90	-491.8	0.	5.3	88	31.	-90	33.00	16.49	36.0	-.57	.01	.01	.00	.01
138.85	.00	90	-489.4	0.	1.9	88	159.	-91	33.00	16.49	36.0	-.57	.05	.01	.00	.01
140.86	.00	90	-487.0	0.	.3	269	204.	-91	33.00	16.49	36.0	-.57	.06	.01	.00	.01
142.88	.00	90	-484.7	0.	1.3	268	198.	-91	33.00	16.49	36.0	-.57	.06	.01	.00	.01
144.89	.00	0	-482.4	0.	1.7	268	165.	-91	33.00	16.49	36.0	-.56	.05	.01	.00	.01
146.90	.00	0	-480.3	0.	1.7	268	123.	-91	33.00	16.49	36.0	-.56	.04	.01	.00	.01
148.91	.00	0	-478.1	0.	1.4	268	82.	-91	33.00	16.49	36.0	-.56	.02	.01	.00	.01
150.93	.00	0	-475.8	0.	1.1	268	48.	-91	33.00	16.49	36.0	-.56	.01	.01	.00	.01
152.94	.00	0	-473.3	0.	.6	268	22.	-91	33.00	16.49	36.0	-.55	.01	.01	.00	.01
154.95	.00	0	-470.8	0.	.3	268	7.	-91	33.00	16.49	36.0	-.55	.00	.01	.00	.01
156.96	.00	0	-468.4	0.	.1	268	0.	96	33.00	16.49	36.0	-.55	.00	.01	.00	.01
158.98	.00	0	-466.1	0.	.0	89	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

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*** Pile Head Unity Check Report ***

Pile Joint	Group ID	Load Case	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check
			Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD /-- (In)	WT /----- (In)	Fy (KSI)			
200	P33	4	44.76	89	-374.9	0.	331.2	88	96870.	86	33.00	16.49	36.0	-4.44	27.46	.52
112	P42	4	41.83	225	1059.9	0.	330.6	226	64912.	-133	42.00	1.75	36.0	4.79	30.36	.67
122	P42	4	44.05	-89	1103.3	0.	353.1	-88	73475.	-87	42.00	1.75	36.0	4.99	34.37	.75
132	P42	4	45.33	-89	973.9	0.	359.9	-89	79355.	-88	42.00	1.75	36.0	4.40	37.12	.79
142	P42	4	46.77	-44	637.5	0.	348.1	-44	78628.	-43	42.00	1.75	36.0	2.88	36.78	.75
152	P42	4	41.71	132	-2558.4	0.	193.8	130	74383.	129	42.00	1.75	36.0	-11.56	34.79	.91
162	P42	4	43.87	87	-2940.0	0.	195.4	85	87349.	84	42.00	1.75	36.0	-13.29	40.86	1.06
172	P42	4	45.16	87	-3094.9	0.	189.5	85	88433.	85	42.00	1.75	36.0	-13.99	41.36	1.09
182	P42	4	46.62	42	-3150.9	0.	191.8	40	92542.	39	42.00	1.75	36.0	-14.24	43.29	1.13

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

Pile Joint	Group ID	Load Case	Dist. Deflection			Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress (KSI)	Unity Check
			Along Pile (Ft)	Normal Value (In)	To Pile Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy			
200	P33	4	80.49	3.25	88	-521.5	0.	15.8	-80	114381.	-91	33.00	16.49	36.0	-1.51	32.42	.61
112	P42	4	68.00	5.80	226	878.0	0.	21.0	228	84460.	46	42.00	1.75	36.0	3.97	39.51	.82
122	P42	4	70.00	5.53	-88	910.5	0.	25.3	-86	89356.	90	42.00	1.75	36.0	4.11	41.80	.87
132	P42	4	72.00	5.13	-89	787.6	0.	16.7	-87	92118.	90	42.00	1.75	36.0	3.56	43.09	.88
142	P42	4	70.00	6.02	-44	495.6	0.	12.6	-40	93995.	135	42.00	1.75	36.0	2.24	43.97	.87
152	P42	4	62.00	6.62	131	-2471.3	0.	71.7	-44	96646.	-47	42.00	1.75	36.0	-11.17	45.21	1.10
162	P42	4	64.00	6.40	86	-2859.3	0.	88.4	269	102052.	-92	42.00	1.75	36.0	-12.92	47.73	1.18
172	P42	4	64.00	6.55	86	-3019.7	0.	96.6	269	105210.	-92	42.00	1.75	36.0	-13.65	49.21	1.23
182	P42	4	64.00	6.95	41	-3078.6	0.	98.8	224	107364.	-137	42.00	1.75	36.0	-13.91	50.22	1.25

*** 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	Load Case	Pile Joint	Unity Check
	Normal To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD	WT	Fy					
.00	44.76	89	-374.9	0.	331.2	88	96870.	86	33.00	16.49	36.0	-.44	27.46	4	200	.52
2.01	43.68	89	-390.1	0.	329.6	88	89469.	86	33.00	16.49	36.0	-.44	25.08	4	200	.47
4.02	42.57	89	-385.3	0.	327.8	88	80091.	86	33.00	16.49	36.0	-.45	22.70	4	200	.43
6.04	41.43	89	-390.5	0.	325.9	88	71740.	86	33.00	16.49	36.0	-.46	20.33	4	200	.39
8.05	40.27	89	-395.7	0.	323.8	88	63422.	86	33.00	16.49	36.0	-.46	17.98	4	200	.34
10.06	39.08	89	-400.9	0.	321.5	88	55141.	85	33.00	16.49	36.0	-.47	15.63	4	200	.30
12.07	37.88	89	-406.1	0.	319.1	88	46903.	85	33.00	16.49	36.0	-.47	13.29	4	200	.26
14.09	36.66	89	-411.3	0.	316.5	88	38714.	84	33.00	16.49	36.0	-.48	10.97	4	200	.21
16.10	35.43	89	-416.5	0.	313.8	88	30582.	84	33.00	16.49	36.0	-.49	8.67	4	200	.17
18.11	34.18	89	-421.7	0.	311.0	88	22516.	82	33.00	16.49	36.0	-.49	6.38	4	200	.13
20.12	32.93	88	-426.9	0.	308.1	88	14543.	79	33.00	16.49	36.0	-.50	4.12	4	200	.09
22.14	31.68	88	-432.1	0.	305.0	88	6787.	68	33.00	16.49	36.0	-.51	1.92	4	200	.05
24.15	30.42	88	-437.3	0.	301.8	88	2760.	-35	33.00	16.49	36.0	-.51	.78	4	200	.03
26.16	29.16	88	-442.5	0.	298.5	88	9640.	-77	33.00	16.49	36.0	-.52	2.73	4	200	.06
28.17	27.90	88	-447.7	0.	295.1	88	17279.	-84	33.00	16.49	36.0	-.52	4.90	4	200	.10
30.19	26.65	88	-452.9	0.	291.6	88	24916.	-86	33.00	16.49	36.0	-.53	7.06	4	200	.14
32.20	25.41	88	-456.8	0.	281.6	88	32494.	-87	33.00	16.49	36.0	-.53	9.21	4	200	.18
34.21	24.18	88	-459.4	0.	265.6	88	39841.	-88	33.00	16.49	36.0	-.54	11.29	4	200	.22
36.22	22.97	88	-461.9	0.	249.8	88	46802.	-88	33.00	16.49	36.0	-.54	13.27	4	200	.26
38.23	21.77	88	-464.5	0.	234.4	88	53382.	-89	33.00	16.49	36.0	-.54	15.13	4	200	.29
40.25	20.59	88	-467.0	0.	219.2	87	59584.	-89	33.00	16.49	36.0	-.55	16.89	4	200	.33
42.26	19.43	88	-469.6	0.	204.3	87	65414.	-89	33.00	16.49	36.0	-.55	18.54	4	200	.36
44.27	18.29	88	-472.2	0.	189.7	87	70877.	-89	33.00	16.49	36.0	-.55	20.09	4	200	.38
46.28	17.18	88	-474.8	0.	175.4	87	75980.	-90	33.00	16.49	36.0	-.56	21.54	4	200	.41
48.30	16.09	88	-477.5	0.	161.4	87	80729.	-90	33.00	16.49	36.0	-.56	22.88	4	200	.44
50.31	15.03	88	-480.1	0.	147.7	87	85130.	-90	33.00	16.49	36.0	-.56	24.13	4	200	.46
52.32	14.00	88	-482.8	0.	134.4	87	89189.	-90	33.00	16.49	36.0	-.56	25.28	4	200	.48
54.33	13.00	88	-485.4	0.	121.3	87	92914.	-90	33.00	16.49	36.0	-.57	26.34	4	200	.50
56.35	12.03	88	-488.1	0.	108.6	87	96311.	-90	33.00	16.49	36.0	-.57	27.30	4	200	.52
58.36	11.10	88	-490.8	0.	96.3	86	99388.	-90	33.00	16.49	36.0	-.57	28.17	4	200	.53
60.37	10.20	88	-493.5	0.	84.3	86	102153.	-90	33.00	16.49	36.0	-.58	28.95	4	200	.55
62.38	9.34	88	-496.3	0.	72.6	86	104612.	-90	33.00	16.49	36.0	-.58	29.65	4	200	.56
64.40	8.51	88	-499.0	0.	61.3	85	106774.	-90	33.00	16.49	36.0	-.58	30.26	4	200	.57
66.41	7.72	88	-501.8	0.	50.4	85	108647.	-90	33.00	16.49	36.0	-.59	30.79	4	200	.58
68.42	6.96	88	-504.5	0.	39.8	84	110239.	-90	33.00	16.49	36.0	-.59	31.25	4	200	.59
70.43	6.25	88	-507.3	0.	29.7	82	111558.	-90	33.00	16.49	36.0	-.59	31.62	4	200	.60
72.44	5.57	88	-510.1	0.	19.9	80	112614.	-90	33.00	16.49	36.0	-.60	31.92	4	200	.60
74.46	4.93	88	-512.9	0.	10.7	72	113415.	-90	33.00	16.49	36.0	-.60	32.15	4	200	.61
76.47	4.33	88	-515.8	0.	3.2	21	113969.	-91	33.00	16.49	36.0	-.60	32.30	4	200	.61
78.48	3.77	88	-518.6	0.	7.9	-69	114288.	-91	33.00	16.49	36.0	-.61	32.39	4	200	.61
80.49	3.25	88	-521.5	0.	15.8	-80	114381.	-91	33.00	16.49	36.0	-.61	32.42	4	200	.61
82.51	2.77	88	-524.3	0.	23.4	-84	114256.	-91	33.00	16.49	36.0	-.61	32.38	4	200	.61
84.52	2.33	88	-527.2	0.	30.7	-85	113925.	-91	33.00	16.49	36.0	-.62	32.29	4	200	.61
86.53	1.93	88	-530.1	0.	37.5	-86	113400.	-91	33.00	16.49	36.0	-.62	32.14	4	200	.61
88.54	1.56	88	-533.0	0.	43.9	-87	112691.	-91	33.00	16.49	36.0	-.62	31.94	4	200	.61
90.56	1.24	88	-536.0	0.	49.7	-88	111806.	-91	33.00	16.49	36.0	-.63	31.69	4	200	.60
92.57	.95	88	-538.9	0.	55.1	-88	110760.	-91	33.00	16.49	36.0	-.63	31.39	4	200	.60
94.58	.71	88	-541.9	0.	60.0	-88	109564.	-91	33.00	16.49	36.0	-.63	31.05	4	200	.59
96.59	.50	88	-544.9	0.	64.4	-88	108229.	-91	33.00	16.49	36.0	-.64	30.68	4	200	.58
98.60	.33	88	-547.9	0.	68.1	-88	106770.	-91	33.00	16.49	36.0	-.64	30.26	4	200	.58

*** 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 (KSI)	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)					
100.62	.19	88	-547.5	0.	404.3	268	105200.	-91	33.00	16.49	36.0	-.64	29.82	4	200	.57
102.63	.09	88	-543.8	0.	735.6	268	95493.	-91	33.00	16.49	36.0	-.64	27.07	4	200	.52
104.64	.03	88	-540.2	0.	828.8	268	77766.	-91	33.00	16.49	36.0	-.63	22.04	4	200	.42
106.65	.01	269	-536.6	0.	774.6	268	57774.	-91	33.00	16.49	36.0	-.63	16.38	4	200	.32
108.67	.03	268	-533.1	0.	643.5	268	39080.	-91	33.00	16.49	36.0	-.62	11.08	4	200	.22
110.68	.04	268	-529.7	0.	485.8	268	23545.	-91	33.00	16.49	36.0	-.62	6.67	4	200	.14
112.69	.04	268	-526.4	0.	333.7	268	11813.	-91	33.00	16.49	36.0	-.62	3.35	4	200	.08
114.70	.03	268	-523.1	0.	204.6	268	3752.	-91	33.00	16.49	36.0	-.61	1.06	4	200	.03
116.72	.02	268	-519.9	0.	105.6	268	1192.	89	33.00	16.49	36.0	-.61	.34	4	200	.02
118.73	.02	268	-516.8	0.	36.5	268	3746.	88	33.00	16.49	36.0	-.60	1.06	4	200	.03
120.74	.01	268	-513.7	0.	6.5	89	4631.	88	33.00	16.49	36.0	-.60	1.31	4	200	.04
122.75	.01	268	-510.8	0.	29.3	88	4476.	88	33.00	16.49	36.0	-.60	1.27	4	200	.04
124.77	.00	-90	-507.8	0.	37.8	88	3769.	88	33.00	16.49	36.0	-.59	1.07	4	200	.03
126.78	.00	90	-505.0	0.	37.1	88	2858.	88	33.00	16.49	36.0	-.59	.81	4	200	.03
128.79	.00	90	-502.2	0.	31.6	88	1962.	88	33.00	16.49	36.0	-.59	.56	4	200	.02
130.80	.00	90	-499.5	0.	24.1	88	1199.	88	33.00	16.49	36.0	-.58	.34	4	200	.02
132.81	.00	90	-496.9	0.	16.6	88	617.	88	33.00	16.49	36.0	-.58	.17	4	200	.02
134.83	.00	90	-494.3	0.	10.2	88	215.	88	33.00	16.49	36.0	-.58	.06	4	200	.01
136.84	.00	90	-491.8	0.	5.3	88	31.	-90	33.00	16.49	36.0	-.57	.01	4	200	.01
138.85	.00	90	-489.4	0.	1.9	88	159.	-91	33.00	16.49	36.0	-.57	.05	4	200	.01
140.86	.00	90	-487.0	0.	.3	269	204.	-91	33.00	16.49	36.0	-.57	.06	4	200	.01
142.88	.00	90	-484.7	0.	1.3	268	198.	-91	33.00	16.49	36.0	-.57	.06	4	200	.01
144.89	.00	0	-482.4	0.	1.7	268	165.	-91	33.00	16.49	36.0	-.56	.05	4	200	.01
146.90	.00	0	-480.3	0.	1.7	268	123.	-91	33.00	16.49	36.0	-.56	.04	4	200	.01
148.91	.00	0	-478.1	0.	1.4	268	82.	-91	33.00	16.49	36.0	-.56	.02	4	200	.01
150.93	.00	0	-475.8	0.	1.1	268	48.	-91	33.00	16.49	36.0	-.56	.01	4	200	.01
152.94	.00	0	-473.3	0.	.6	268	22.	-91	33.00	16.49	36.0	-.55	.01	4	200	.01
154.95	.00	0	-470.8	0.	.3	268	7.	-91	33.00	16.49	36.0	-.55	.00	4	200	.01
156.96	.00	0	-468.4	0.	.1	268	0.	96	33.00	16.49	36.0	-.55	.00	4	200	.01
158.98	.00	0	-466.1	0.	.0	89	2.	88	33.00	16.49	36.0	-.54	.00	4	200	.01
160.99	.00	0	-463.8	0.	.0	88	1.	88	33.00	16.49	36.0	-.54	.00	4	200	.01

*** Group Critical Pile Report I - Group P33 - Pile 200 - Load Case 4 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (KSI)	Bending Stress	Unity Check Values		
	Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy (KSI)			Axial	Bend.	Total
.00	44.76	89	-374.9	0.	331.2	88	96870.	86	33.00	16.49	36.0	-.44	27.46	.01	.51	.52
2.01	43.68	89	-380.1	0.	329.6	88	88469.	86	33.00	16.49	36.0	-.44	25.08	.01	.46	.47
4.02	42.57	89	-385.3	0.	327.8	88	80091.	86	33.00	16.49	36.0	-.45	22.70	.01	.42	.43
6.04	41.43	89	-390.5	0.	325.9	88	71740.	86	33.00	16.49	36.0	-.46	20.33	.01	.38	.39
8.05	40.27	89	-395.7	0.	323.8	88	63422.	86	33.00	16.49	36.0	-.46	17.98	.01	.33	.34
10.06	39.08	89	-400.9	0.	321.5	88	55141.	85	33.00	16.49	36.0	-.47	15.63	.01	.29	.30
12.07	37.88	89	-406.1	0.	319.1	88	46903.	85	33.00	16.49	36.0	-.47	13.29	.01	.25	.26
14.09	36.66	89	-411.3	0.	316.5	88	38714.	84	33.00	16.49	36.0	-.48	10.97	.01	.20	.21
16.10	35.43	89	-416.5	0.	313.8	88	30582.	84	33.00	16.49	36.0	-.49	8.67	.01	.16	.17
18.11	34.18	89	-421.7	0.	311.0	88	22516.	82	33.00	16.49	36.0	-.49	6.38	.01	.12	.13
20.12	32.93	88	-426.9	0.	308.1	88	14543.	79	33.00	16.49	36.0	-.50	4.12	.01	.08	.09
22.14	31.68	88	-432.1	0.	305.0	88	6787.	68	33.00	16.49	36.0	-.51	1.92	.01	.04	.05
24.15	30.42	88	-437.3	0.	301.8	88	2760.	-35	33.00	16.49	36.0	-.51	.78	.01	.01	.03
26.16	29.16	88	-442.5	0.	298.5	88	9640.	-77	33.00	16.49	36.0	-.52	2.73	.01	.05	.06
28.17	27.90	88	-447.7	0.	295.1	88	17279.	-84	33.00	16.49	36.0	-.52	4.90	.01	.09	.10
30.19	26.65	88	-452.9	0.	291.6	88	24916.	-86	33.00	16.49	36.0	-.53	7.06	.01	.13	.14
32.20	25.41	88	-456.8	0.	281.6	88	32494.	-87	33.00	16.49	36.0	-.53	9.21	.01	.17	.18
34.21	24.18	88	-459.4	0.	265.6	88	39841.	-88	33.00	16.49	36.0	-.54	11.29	.01	.21	.22
36.22	22.97	88	-461.9	0.	249.8	88	46802.	-88	33.00	16.49	36.0	-.54	13.27	.01	.25	.26
38.23	21.77	88	-464.5	0.	234.4	88	53382.	-89	33.00	16.49	36.0	-.54	15.13	.01	.28	.29
40.25	20.59	88	-467.0	0.	219.2	87	59584.	-89	33.00	16.49	36.0	-.55	16.89	.01	.31	.33
42.26	19.43	88	-469.6	0.	204.3	87	65414.	-89	33.00	16.49	36.0	-.55	18.54	.01	.34	.36
44.27	18.29	88	-472.2	0.	189.7	87	70877.	-89	33.00	16.49	36.0	-.55	20.09	.01	.37	.38
46.28	17.18	88	-474.8	0.	175.4	87	75980.	-90	33.00	16.49	36.0	-.56	21.54	.01	.40	.41
48.30	16.09	88	-477.5	0.	161.4	87	80729.	-90	33.00	16.49	36.0	-.56	22.88	.01	.42	.44
50.31	15.03	88	-480.1	0.	147.7	87	85130.	-90	33.00	16.49	36.0	-.56	24.13	.01	.45	.46
52.32	14.00	88	-482.8	0.	134.4	87	89189.	-90	33.00	16.49	36.0	-.56	25.28	.01	.47	.48
54.33	13.00	88	-485.4	0.	121.3	87	92914.	-90	33.00	16.49	36.0	-.57	26.34	.01	.49	.50
56.35	12.03	88	-488.1	0.	108.6	87	96311.	-90	33.00	16.49	36.0	-.57	27.30	.01	.51	.52
58.36	11.10	88	-490.8	0.	96.3	86	99388.	-90	33.00	16.49	36.0	-.57	28.17	.01	.52	.53
60.37	10.20	88	-493.5	0.	84.3	86	102153.	-90	33.00	16.49	36.0	-.58	28.95	.01	.54	.55
62.38	9.34	88	-496.3	0.	72.6	86	104612.	-90	33.00	16.49	36.0	-.58	29.65	.01	.55	.56
64.40	8.51	88	-499.0	0.	61.3	85	106774.	-90	33.00	16.49	36.0	-.58	30.26	.01	.56	.57
66.41	7.72	88	-501.8	0.	50.4	85	108647.	-90	33.00	16.49	36.0	-.59	30.79	.01	.57	.58
68.42	6.96	88	-504.5	0.	39.8	84	110239.	-90	33.00	16.49	36.0	-.59	31.25	.01	.58	.59
70.43	6.25	88	-507.3	0.	29.7	82	111558.	-90	33.00	16.49	36.0	-.59	31.62	.01	.59	.60
72.44	5.57	88	-510.1	0.	19.9	80	112614.	-90	33.00	16.49	36.0	-.60	31.92	.01	.59	.60
74.46	4.93	88	-512.9	0.	10.7	72	113415.	-90	33.00	16.49	36.0	-.60	32.15	.01	.60	.61
76.47	4.33	88	-515.8	0.	3.2	21	113969.	-91	33.00	16.49	36.0	-.60	32.30	.01	.60	.61
78.48	3.77	88	-518.6	0.	7.9	-69	114288.	-91	33.00	16.49	36.0	-.61	32.39	.01	.60	.61
80.49	3.25	88	-521.5	0.	15.8	-80	114381.	-91	33.00	16.49	36.0	-.61	32.42	.01	.60	.61
82.51	2.77	88	-524.3	0.	23.4	-84	114256.	-91	33.00	16.49	36.0	-.61	32.38	.01	.60	.61
84.52	2.33	88	-527.2	0.	30.7	-85	113925.	-91	33.00	16.49	36.0	-.62	32.29	.01	.60	.61
86.53	1.93	88	-530.1	0.	37.5	-86	113400.	-91	33.00	16.49	36.0	-.62	32.14	.01	.60	.61
88.54	1.56	88	-533.0	0.	43.9	-87	112691.	-91	33.00	16.49	36.0	-.62	31.94	.01	.59	.61
90.56	1.24	88	-536.0	0.	49.7	-88	111806.	-91	33.00	16.49	36.0	-.63	31.69	.01	.59	.60
92.57	.95	88	-538.9	0.	55.1	-88	110760.	-91	33.00	16.49	36.0	-.63	31.39	.01	.58	.60
94.58	.71	88	-541.9	0.	60.0	-88	109564.	-91	33.00	16.49	36.0	-.63	31.05	.01	.58	.59
96.59	.50	88	-544.9	0.	64.4	-88	108229.	-91	33.00	16.49	36.0	-.64	30.68	.01	.57	.58
98.60	.33	88	-547.9	0.	68.1	-88	106770.	-91	33.00	16.49	36.0	-.64	30.26	.01	.56	.58

*** Group Critical Pile Report 1 - Group P33 - Pile 200 - Load Case 4 ***

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
100.62	.19	88	-547.5	0.	404.3	268	105200.	-91	33.00	16.49	36.0	-.64	29.82	.01	.55	.57
102.63	.09	88	-543.8	0.	735.6	268	95493.	-91	33.00	16.49	36.0	-.64	27.07	.01	.50	.52
104.64	.03	88	-540.2	0.	828.8	268	77766.	-91	33.00	16.49	36.0	-.63	22.04	.01	.41	.42
106.65	.01	269	-536.6	0.	774.6	268	57774.	-91	33.00	16.49	36.0	-.63	16.38	.01	.30	.32
108.67	.03	268	-533.1	0.	643.5	268	39080.	-91	33.00	16.49	36.0	-.62	11.08	.01	.21	.22
110.68	.04	268	-529.7	0.	485.8	268	23545.	-91	33.00	16.49	36.0	-.62	6.67	.01	.12	.14
112.69	.04	268	-526.4	0.	333.7	268	11813.	-91	33.00	16.49	36.0	-.62	3.35	.01	.06	.08
114.70	.03	268	-523.1	0.	204.6	268	3752.	-91	33.00	16.49	36.0	-.61	1.06	.01	.02	.03
116.72	.02	268	-519.9	0.	105.6	268	1192.	89	33.00	16.49	36.0	-.61	.34	.01	.01	.02
118.73	.02	268	-516.8	0.	36.5	268	3746.	88	33.00	16.49	36.0	-.60	1.06	.01	.02	.03
120.74	.01	268	-513.7	0.	6.5	89	4631.	88	33.00	16.49	36.0	-.60	1.31	.01	.02	.04
122.75	.01	268	-510.8	0.	29.3	88	4476.	88	33.00	16.49	36.0	-.60	1.27	.01	.02	.04
124.77	.00	-90	-507.8	0.	37.8	88	3769.	88	33.00	16.49	36.0	-.59	1.07	.01	.02	.03
126.78	.00	90	-505.0	0.	37.1	88	2858.	88	33.00	16.49	36.0	-.59	.81	.01	.02	.03
128.79	.00	90	-502.2	0.	31.6	88	1962.	88	33.00	16.49	36.0	-.59	.56	.01	.01	.02
130.80	.00	90	-499.5	0.	24.1	88	1199.	88	33.00	16.49	36.0	-.58	.34	.01	.01	.02
132.81	.00	90	-496.9	0.	16.6	88	617.	88	33.00	16.49	36.0	-.58	.17	.01	.00	.02
134.83	.00	90	-494.3	0.	10.2	88	215.	88	33.00	16.49	36.0	-.58	.06	.01	.00	.01
136.84	.00	90	-491.8	0.	5.3	88	31.	-90	33.00	16.49	36.0	-.57	.01	.01	.00	.01
138.85	.00	90	-489.4	0.	1.9	88	159.	-91	33.00	16.49	36.0	-.57	.05	.01	.00	.01
140.86	.00	90	-487.0	0.	.3	269	204.	-91	33.00	16.49	36.0	-.57	.06	.01	.00	.01
142.88	.00	90	-484.7	0.	1.3	268	198.	-91	33.00	16.49	36.0	-.57	.06	.01	.00	.01
144.89	.00	0	-482.4	0.	1.7	268	165.	-91	33.00	16.49	36.0	-.56	.05	.01	.00	.01
146.90	.00	0	-480.3	0.	1.7	268	123.	-91	33.00	16.49	36.0	-.56	.04	.01	.00	.01
148.91	.00	0	-478.1	0.	1.4	268	82.	-91	33.00	16.49	36.0	-.56	.02	.01	.00	.01
150.93	.00	0	-475.8	0.	1.1	268	48.	-91	33.00	16.49	36.0	-.56	.01	.01	.00	.01
152.94	.00	0	-473.3	0.	.6	268	22.	-91	33.00	16.49	36.0	-.55	.01	.01	.00	.01
154.95	.00	0	-470.8	0.	.3	268	7.	-91	33.00	16.49	36.0	-.55	.00	.01	.00	.01
156.96	.00	0	-468.4	0.	.1	268	0.	96	33.00	16.49	36.0	-.55	.00	.01	.00	.01
158.98	.00	0	-466.1	0.	.0	89	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 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 To Pile Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WT	Fy					
.00	46.62	42	-3150.9	0.	191.8	40	92542.	39	42.00	1.75	36.0	-14.24	43.29	4	182	1.13
2.00	45.39	42	-3151.5	0.	189.9	40	84090.	39	42.00	1.75	36.0	-14.24	39.33	4	182	1.06
4.00	44.13	42	-3152.1	0.	187.8	40	75568.	39	42.00	1.75	36.0	-14.24	35.35	4	182	.98
6.00	42.84	42	-3152.7	0.	185.5	40	66991.	39	42.00	1.75	36.0	-14.25	31.33	4	182	.91
8.00	41.51	42	-3153.2	0.	183.1	40	58376.	38	42.00	1.75	36.0	-14.25	27.30	4	182	.84
10.00	40.16	42	-3153.7	0.	180.5	40	49741.	38	42.00	1.75	36.0	-14.25	23.27	4	182	.76
12.00	38.79	42	-3154.2	0.	177.8	40	41103.	37	42.00	1.75	36.0	-14.25	19.23	4	182	.69
14.00	37.40	42	-3154.7	0.	174.9	40	32482.	36	42.00	1.75	36.0	-14.26	15.19	4	182	.61
16.00	36.00	42	-3155.2	0.	171.8	40	23903.	34	42.00	1.75	36.0	-14.26	11.18	4	182	.54
18.00	34.59	42	-3155.7	0.	168.6	40	15413.	31	42.00	1.75	36.0	-14.26	7.21	4	182	.46
20.00	33.16	42	-3156.1	0.	165.2	40	7200.	18	42.00	1.75	36.0	-14.26	3.37	4	182	.39
22.00	30.59	87	-3100.1	0.	159.8	85	4464.	-56	42.00	1.75	36.0	-14.01	2.09	4	172	.36
24.00	29.20	87	-3100.5	0.	156.3	85	12012.	-80	42.00	1.75	36.0	-14.01	5.62	4	172	.43
26.00	27.82	87	-3100.9	0.	152.6	85	19927.	-85	42.00	1.75	36.0	-14.01	9.32	4	172	.50
28.00	26.45	87	-3101.3	0.	148.8	85	27797.	-87	42.00	1.75	36.0	-14.01	13.00	4	172	.57
30.00	25.08	87	-3101.6	0.	144.9	85	35562.	-89	42.00	1.75	36.0	-14.02	16.63	4	172	.63
32.00	24.71	42	-3158.6	0.	142.7	40	42640.	-134	42.00	1.75	36.0	-14.27	19.94	4	182	.70
34.00	23.34	41	-3156.4	0.	131.4	39	50356.	-135	42.00	1.75	36.0	-14.26	23.55	4	182	.77
36.00	22.00	41	-3151.8	0.	113.3	39	57734.	-135	42.00	1.75	36.0	-14.24	27.00	4	182	.83
38.00	20.68	41	-3147.1	0.	95.5	39	64592.	-136	42.00	1.75	36.0	-14.22	30.21	4	182	.89
40.00	19.39	41	-3142.3	0.	78.2	38	70930.	-136	42.00	1.75	36.0	-14.20	33.18	4	182	.94
42.00	18.14	41	-3137.4	0.	61.2	37	76747.	-136	42.00	1.75	36.0	-14.18	35.90	4	182	.99
44.00	16.91	41	-3132.4	0.	44.7	35	82044.	-136	42.00	1.75	36.0	-14.16	38.38	4	182	1.04
46.00	15.73	41	-3127.4	0.	28.6	32	86824.	-136	42.00	1.75	36.0	-14.13	40.61	4	182	1.08
48.00	14.58	41	-3122.3	0.	13.2	21	91089.	-136	42.00	1.75	36.0	-14.11	42.61	4	182	1.12
50.00	13.47	41	-3117.1	0.	5.5	-81	94844.	-137	42.00	1.75	36.0	-14.09	44.36	4	182	1.15
52.00	12.40	41	-3111.8	0.	18.5	236	98094.	-137	42.00	1.75	36.0	-14.06	45.88	4	182	1.18
54.00	11.38	41	-3106.5	0.	32.8	229	100843.	-137	42.00	1.75	36.0	-14.04	47.17	4	182	1.20
56.00	10.40	41	-3101.0	0.	46.8	227	103101.	-137	42.00	1.75	36.0	-14.01	48.22	4	182	1.22
58.00	9.47	41	-3095.5	0.	60.5	226	104872.	-137	42.00	1.75	36.0	-13.99	49.05	4	182	1.23
60.00	8.58	41	-3090.0	0.	73.7	225	106167.	-137	42.00	1.75	36.0	-13.96	49.66	4	182	1.24
62.00	7.74	41	-3084.3	0.	86.4	224	106994.	-137	42.00	1.75	36.0	-13.94	50.05	4	182	1.25
64.00	6.95	41	-3078.6	0.	98.8	224	107364.	-137	42.00	1.75	36.0	-13.91	50.22	4	182	1.25
66.00	6.21	41	-3072.8	0.	110.6	224	107288.	-137	42.00	1.75	36.0	-13.89	50.18	4	182	1.25
68.00	5.51	41	-3066.9	0.	122.0	223	106776.	-137	42.00	1.75	36.0	-13.86	49.94	4	182	1.25
70.00	4.86	41	-3061.0	0.	132.9	223	105842.	-137	42.00	1.75	36.0	-13.83	49.51	4	182	1.24
72.00	4.26	41	-3054.9	0.	143.4	223	104500.	-137	42.00	1.75	36.0	-13.81	48.88	4	182	1.22
74.00	3.70	41	-3048.8	0.	153.3	223	102760.	-137	42.00	1.75	36.0	-13.78	48.07	4	182	1.21
76.00	3.19	41	-3042.6	0.	162.7	223	100641.	-137	42.00	1.75	36.0	-13.75	47.07	4	182	1.19
78.00	2.72	41	-3036.4	0.	171.7	223	98158.	-137	42.00	1.75	36.0	-13.72	45.91	4	182	1.17
80.00	2.30	41	-3030.0	0.	180.1	223	95325.	-137	42.00	1.75	36.0	-13.69	44.59	4	182	1.14
82.00	1.92	41	-3023.6	0.	188.1	222	92159.	-138	42.00	1.75	36.0	-13.66	43.11	4	182	1.11
84.00	1.58	41	-3017.2	0.	195.6	222	88675.	-138	42.00	1.75	36.0	-13.63	41.48	4	182	1.08
86.00	1.27	41	-3010.6	0.	202.5	222	84892.	-138	42.00	1.75	36.0	-13.61	39.71	4	182	1.05
88.00	1.01	41	-3004.0	0.	209.0	222	80828.	-138	42.00	1.75	36.0	-13.58	37.81	4	182	1.01
90.00	.78	41	-2997.3	0.	214.9	222	76500.	-138	42.00	1.75	36.0	-13.54	35.78	4	182	.98
92.00	.59	40	-2990.5	0.	220.2	222	71927.	-138	42.00	1.75	36.0	-13.51	33.64	4	182	.94
94.00	.42	40	-2983.6	0.	225.0	222	67129.	-138	42.00	1.75	36.0	-13.48	31.40	4	182	.89
96.00	.29	40	-2976.7	0.	229.3	222	62126.	-138	42.00	1.75	36.0	-13.45	29.06	4	182	.85
98.00	.19	40	-2969.7	0.	232.2	222	56939.	-138	42.00	1.75	36.0	-13.42	26.63	4	182	.80

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

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Load Case	Pile Joint	Unity Check
	Value (In)	Angle (Deg)			Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OO (In)	WT	Fy (KSI)					
100.00	.10	40	-2962.6	0.	233.9	222	51606.	-138	42.00	1.75	36.0	-13.39	24.14	4	182	.76
102.00	.05	39	-2893.4	0.	399.1	221	46166.	-138	42.00	1.75	36.0	-13.08	21.59	4	182	.70
104.00	.01	37	-2825.6	0.	433.7	221	36696.	-139	42.00	1.75	36.0	-12.77	17.16	4	182	.61
106.00	.01	222	-2759.3	0.	391.2	221	26349.	-139	42.00	1.75	36.0	-12.47	12.32	4	182	.52
108.00	.02	221	-2694.5	0.	312.4	220	16986.	-139	42.00	1.75	36.0	-12.18	7.95	4	182	.43
110.00	.02	221	-2631.0	0.	224.8	220	9494.	-139	42.00	1.75	36.0	-11.89	4.44	4	182	.36
112.00	.02	221	-2568.9	0.	144.9	220	4094.	-140	42.00	1.75	36.0	-11.61	1.91	4	182	.30
114.00	.02	220	-2508.2	0.	80.7	220	608.	-144	42.00	1.75	36.0	-11.33	.28	4	182	.27
116.00	.01	220	-2448.7	0.	34.3	219	1342.	42	42.00	1.75	36.0	-11.07	.63	4	182	.27
118.00	.01	220	-2390.5	0.	4.5	215	2176.	41	42.00	1.75	36.0	-10.80	1.02	4	182	.27
120.00	.00	220	-2333.5	0.	12.2	42	2291.	41	42.00	1.75	36.0	-10.55	1.07	4	182	.26
122.00	.00	219	-2277.8	0.	19.2	41	2005.	40	42.00	1.75	36.0	-10.29	.94	4	182	.26
124.00	.00	214	-2223.2	0.	20.0	41	1549.	40	42.00	1.75	36.0	-10.05	.72	4	182	.25
126.00	.00	42	-2169.8	0.	17.3	40	1071.	40	42.00	1.75	36.0	-9.81	.50	4	182	.24
128.00	.00	41	-2117.6	0.	13.3	40	656.	40	42.00	1.75	36.0	-9.57	.31	4	182	.23
130.00	.00	41	-2066.4	0.	9.1	40	337.	40	42.00	1.75	36.0	-9.34	.16	4	182	.22
132.00	.00	40	-2016.3	0.	5.5	40	118.	39	42.00	1.75	36.0	-9.11	.06	4	182	.21
134.00	.00	40	-1967.2	0.	2.7	40	14.	-130	42.00	1.75	36.0	-8.89	.01	4	182	.21
136.00	.00	40	-1919.2	0.	.9	39	80.	-138	42.00	1.75	36.0	-8.67	.04	4	182	.20
138.00	.00	40	-1872.1	0.	.2	225	102.	-138	42.00	1.75	36.0	-8.46	.05	4	182	.20
140.00	.00	0	-1826.0	0.	.8	221	96.	-138	42.00	1.75	36.0	-8.25	.05	4	182	.19
142.00	.00	0	-1780.9	0.	.9	221	78.	-139	42.00	1.75	36.0	-8.05	.04	4	182	.19
144.00	.00	0	-1736.7	0.	.9	221	56.	-139	42.00	1.75	36.0	-7.85	.03	4	182	.18
146.00	.00	0	-1693.4	0.	.7	220	35.	-139	42.00	1.75	36.0	-7.65	.02	4	182	.18
148.00	.00	0	-1651.0	0.	.5	220	19.	-139	42.00	1.75	36.0	-7.46	.01	4	182	.17
150.00	.00	0	-1609.4	0.	.3	220	7.	-140	42.00	1.75	36.0	-7.27	.00	4	182	.17
152.00	.00	0	-1567.2	0.	.2	220	0.	-176	42.00	1.75	36.0	-7.08	.00	4	182	.16
154.00	.00	0	-1524.3	0.	.0	219	3.	41	42.00	1.75	36.0	-6.89	.00	4	182	.16
156.00	.00	0	-1482.2	0.	.0	44	4.	41	42.00	1.75	36.0	-6.70	.00	4	182	.16
158.00	.00	0	-1441.0	0.	.0	41	4.	41	42.00	1.75	36.0	-6.51	.00	4	182	.15
160.00	.00	0	-1400.6	0.	.0	41	3.	40	42.00	1.75	36.0	-6.33	.00	4	182	.15
162.00	.00	0	-1360.9	0.	.0	41	2.	40	42.00	1.75	36.0	-6.15	.00	4	182	.14
164.00	.00	0	-1322.0	0.	.0	40	1.	40	42.00	1.75	36.0	-5.97	.00	4	182	.14
166.00	.00	0	-1283.9	0.	.0	40	0.	40	42.00	1.75	36.0	-5.80	.00	4	182	.13
168.00	.00	0	-1246.5	0.	.0	40	0.	38	42.00	1.75	36.0	-5.63	.00	4	182	.13
170.00	.00	0	-1209.6	0.	.0	39	0.	-137	42.00	1.50	36.0	-5.34	.00	4	182	.15
172.00	.00	0	-1173.4	0.	.0	20	0.	-138	42.00	1.50	36.0	-5.15	.00	4	182	.14
174.00	.00	0	-1138.0	0.	.0	221	0.	-138	42.00	1.50	36.0	-5.96	.00	4	182	.14
176.00	.00	0	-1103.3	0.	.0	221	0.	-139	42.00	1.50	36.0	-5.78	.00	4	182	.13
178.00	.00	0	-1069.4	0.	.0	221	0.	-139	42.00	1.50	36.0	-5.60	.00	4	182	.13
180.00	.00	0	-1036.0	0.	.0	220	0.	-139	42.00	1.25	36.0	-6.47	.00	4	182	.15
182.00	.00	0	-1003.3	0.	.0	220	0.	-139	42.00	1.25	36.0	-6.27	.00	4	182	.15
184.00	.00	0	-971.4	0.	.0	220	0.	-141	42.00	1.25	36.0	-6.07	.00	4	182	.14
186.00	.00	0	-940.2	0.	.0	0	0.	42	42.00	1.25	36.0	-5.88	.00	4	182	.14
188.00	.00	0	-909.7	0.	.0	0	0.	41	42.00	1.25	36.0	-5.68	.00	4	182	.13
190.00	.00	0	-879.9	0.	.0	0	0.	41	42.00	1.00	36.0	-6.83	.00	4	182	.16
192.00	.00	0	-850.7	0.	.0	0	0.	40	42.00	1.00	36.0	-6.60	.00	4	182	.15
194.00	.00	0	-822.4	0.	.0	0	0.	40	42.00	1.00	36.0	-6.39	.00	4	182	.15
196.00	.00	0	-794.9	0.	.0	0	0.	40	42.00	1.00	36.0	-6.17	.00	4	182	.14
198.00	.00	0	-768.1	0.	.0	0	0.	39	42.00	1.00	36.0	-5.96	.00	4	182	.14

*** File Group Summary Report - Group P42 ***

Dist. Along Pile (Ft)	Deflection Normal To Pile		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Load Case	Pile Joint	Unity Check
	Value (In)	Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD /-- (In)	WT	Fy (KSI)					
200.00	.00	0	-742.1	0.	.0	0	0.	-137	42.00	1.00	36.0	-5.76	.00	4	182	.13
202.00	.00	0	-716.8	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.56	.00	4	182	.13
204.00	.00	0	-692.1	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.37	.00	4	182	.12
206.00	.00	0	-668.2	0.	.0	0	0.	-139	42.00	1.00	36.0	-5.19	.00	4	182	.12
208.00	.00	0	-644.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.01	.00	4	182	.12
210.00	.00	0	-622.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.83	.00	4	182	.11
212.00	.00	0	-600.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.66	.00	4	182	.11
214.00	.00	0	-575.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.47	.00	4	182	.10
216.00	.00	0	-551.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.28	.00	4	182	.10
218.00	.00	0	-527.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.09	.00	4	182	.09
220.00	.00	0	-503.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.91	.00	4	182	.09
222.00	.00	0	-480.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.73	.00	4	182	.09
224.00	.00	0	-457.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.55	.00	4	182	.08
226.00	.00	0	-435.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.38	.00	4	182	.08
228.00	.00	0	-413.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.21	.00	4	182	.07
230.00	.00	0	-391.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.04	.00	4	182	.07
232.00	.00	0	-370.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.87	.00	4	182	.07
234.00	.00	0	-349.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.71	.00	4	182	.06
236.00	.00	0	-328.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.55	.00	4	182	.06
238.00	.00	0	-308.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.39	.00	4	182	.06
240.00	.00	0	-287.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.24	.00	4	182	.05
242.00	.00	0	-268.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.08	.00	4	182	.05
244.00	.00	0	-248.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.93	.00	4	182	.04
246.00	.00	0	-229.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.78	.00	4	182	.04
248.00	.00	0	-210.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.63	.00	4	182	.04
250.00	.00	0	-191.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.48	.00	4	182	.03
252.00	.00	0	-172.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.34	.00	4	182	.03
254.00	.00	0	-154.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.20	.00	4	182	.03
256.00	.00	0	-135.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.05	.00	4	182	.02
258.00	.00	0	-117.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.91	.00	4	182	.02
260.00	.00	0	-99.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.77	.00	4	182	.02
262.00	.00	0	-81.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.63	.00	4	182	.01
264.00	.00	0	-63.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.49	.00	4	182	.01
266.00	.00	0	-45.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.35	.00	4	182	.01
268.00	.00	0	-27.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.21	.00	4	182	.00

*** Group Critical Pile Report I - Group P42 - Pile 182 - Load Case 4 ***

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			Axial	Bend.	Total
.00	46.62	42	-3150.9	0.	191.8	40	92542.	39	42.00	1.75	36.0	-14.24	43.29	.33	.80	1.13
2.00	45.39	42	-3151.5	0.	189.9	40	84090.	39	42.00	1.75	36.0	-14.24	39.33	.33	.73	1.06
4.00	44.13	42	-3152.1	0.	187.8	40	75568.	39	42.00	1.75	36.0	-14.24	35.35	.33	.65	.98
6.00	42.84	42	-3152.7	0.	185.5	40	66991.	39	42.00	1.75	36.0	-14.25	31.33	.33	.58	.91
8.00	41.51	42	-3153.2	0.	183.1	40	58376.	38	42.00	1.75	36.0	-14.25	27.30	.33	.51	.84
10.00	40.16	42	-3153.7	0.	180.5	40	49741.	38	42.00	1.75	36.0	-14.25	23.27	.33	.43	.76
12.00	38.79	42	-3154.2	0.	177.8	40	41103.	37	42.00	1.75	36.0	-14.25	19.23	.33	.36	.69
14.00	37.40	42	-3154.7	0.	174.9	40	32482.	36	42.00	1.75	36.0	-14.26	15.19	.33	.28	.61
16.00	36.00	42	-3155.2	0.	171.8	40	23903.	34	42.00	1.75	36.0	-14.26	11.18	.33	.21	.54
18.00	34.59	42	-3155.7	0.	168.6	40	15413.	31	42.00	1.75	36.0	-14.26	7.21	.33	.13	.46
20.00	33.16	42	-3156.1	0.	165.2	40	7200.	18	42.00	1.75	36.0	-14.26	3.37	.33	.06	.39
22.00	31.74	42	-3156.6	0.	161.8	40	3358.	-81	42.00	1.75	36.0	-14.26	1.57	.33	.03	.36
24.00	30.32	42	-3157.0	0.	158.2	40	10583.	-123	42.00	1.75	36.0	-14.27	4.95	.33	.09	.42
26.00	28.90	42	-3157.4	0.	154.4	40	18687.	-129	42.00	1.75	36.0	-14.27	8.74	.33	.16	.49
28.00	27.49	42	-3157.8	0.	150.6	40	26779.	-132	42.00	1.75	36.0	-14.27	12.53	.33	.23	.56
30.00	26.09	42	-3158.2	0.	146.7	40	34774.	-133	42.00	1.75	36.0	-14.27	16.27	.33	.30	.63
32.00	24.71	42	-3158.6	0.	142.7	40	42640.	-134	42.00	1.75	36.0	-14.27	19.94	.33	.37	.70
34.00	23.34	41	-3156.4	0.	131.4	39	50356.	-135	42.00	1.75	36.0	-14.26	23.55	.33	.44	.77
36.00	22.00	41	-3151.8	0.	113.3	39	57734.	-135	42.00	1.75	36.0	-14.24	27.00	.33	.50	.83
38.00	20.68	41	-3147.1	0.	95.5	39	64592.	-136	42.00	1.75	36.0	-14.22	30.21	.33	.56	.89
40.00	19.39	41	-3142.3	0.	78.2	38	70930.	-136	42.00	1.75	36.0	-14.20	33.18	.33	.61	.94
42.00	18.14	41	-3137.4	0.	61.2	37	76747.	-136	42.00	1.75	36.0	-14.18	35.90	.33	.66	.99
44.00	16.91	41	-3132.4	0.	44.7	35	82044.	-136	42.00	1.75	36.0	-14.16	38.38	.33	.71	1.04
46.00	15.73	41	-3127.4	0.	28.6	32	86824.	-136	42.00	1.75	36.0	-14.13	40.61	.33	.75	1.08
48.00	14.58	41	-3122.3	0.	13.2	21	91089.	-136	42.00	1.75	36.0	-14.11	42.61	.33	.79	1.12
50.00	13.47	41	-3117.1	0.	5.5	-81	94844.	-137	42.00	1.75	36.0	-14.09	44.36	.33	.82	1.15
52.00	12.40	41	-3111.8	0.	18.5	236	98094.	-137	42.00	1.75	36.0	-14.06	45.88	.33	.85	1.18
54.00	11.38	41	-3106.5	0.	32.8	229	100843.	-137	42.00	1.75	36.0	-14.04	47.17	.32	.87	1.20
56.00	10.40	41	-3101.0	0.	46.8	227	103101.	-137	42.00	1.75	36.0	-14.01	48.22	.32	.89	1.22
58.00	9.47	41	-3095.5	0.	60.5	226	104872.	-137	42.00	1.75	36.0	-13.99	49.05	.32	.91	1.23
60.00	8.58	41	-3090.0	0.	73.7	225	106167.	-137	42.00	1.75	36.0	-13.96	49.66	.32	.92	1.24
62.00	7.74	41	-3084.3	0.	86.4	224	106994.	-137	42.00	1.75	36.0	-13.94	50.05	.32	.93	1.25
64.00	6.95	41	-3078.6	0.	98.8	224	107364.	-137	42.00	1.75	36.0	-13.91	50.22	.32	.93	1.25
66.00	6.21	41	-3072.8	0.	110.6	224	107288.	-137	42.00	1.75	36.0	-13.89	50.18	.32	.93	1.25
68.00	5.51	41	-3066.9	0.	122.0	223	106776.	-137	42.00	1.75	36.0	-13.86	49.94	.32	.92	1.25
70.00	4.86	41	-3061.0	0.	132.9	223	105842.	-137	42.00	1.75	36.0	-13.83	49.51	.32	.92	1.24
72.00	4.26	41	-3054.9	0.	143.4	223	104500.	-137	42.00	1.75	36.0	-13.81	48.88	.32	.91	1.22
74.00	3.70	41	-3048.8	0.	153.3	223	102760.	-137	42.00	1.75	36.0	-13.78	48.07	.32	.89	1.21
76.00	3.19	41	-3042.6	0.	162.7	223	100641.	-137	42.00	1.75	36.0	-13.75	47.07	.32	.87	1.19
78.00	2.72	41	-3036.4	0.	171.7	223	98158.	-137	42.00	1.75	36.0	-13.72	45.91	.32	.85	1.17
80.00	2.30	41	-3030.0	0.	180.1	223	95325.	-137	42.00	1.75	36.0	-13.69	44.59	.32	.83	1.14
82.00	1.92	41	-3023.6	0.	188.1	222	92159.	-138	42.00	1.75	36.0	-13.66	43.11	.32	.80	1.11
84.00	1.58	41	-3017.2	0.	195.6	222	88675.	-138	42.00	1.75	36.0	-13.63	41.48	.32	.77	1.08
86.00	1.27	41	-3010.6	0.	202.5	222	84892.	-138	42.00	1.75	36.0	-13.61	39.71	.31	.74	1.05
88.00	1.01	41	-3004.0	0.	209.0	222	80828.	-138	42.00	1.75	36.0	-13.58	37.81	.31	.70	1.01
90.00	.78	41	-2997.3	0.	214.9	222	76500.	-138	42.00	1.75	36.0	-13.54	35.78	.31	.66	.98
92.00	.59	40	-2990.5	0.	220.2	222	71927.	-138	42.00	1.75	36.0	-13.51	33.64	.31	.62	.94
94.00	.42	40	-2983.6	0.	225.0	222	67129.	-138	42.00	1.75	36.0	-13.48	31.40	.31	.58	.89
96.00	.29	40	-2976.7	0.	229.3	222	62126.	-138	42.00	1.75	36.0	-13.45	29.06	.31	.54	.85
98.00	.19	40	-2969.7	0.	232.2	222	56939.	-138	42.00	1.75	36.0	-13.42	26.63	.31	.49	.80

*** Group Critical Pile Report 1 - Group P42 - Pile 182 - Load Case 4 ***

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	.10	40	-2962.6	0.	233.9	222	51606.	-138	42.00	1.75	36.0	-13.39	24.14	.31	.45	.76
102.00	.05	39	-2893.4	0.	399.1	221	46166.	-138	42.00	1.75	36.0	-13.08	21.59	.30	.40	.70
104.00	.01	37	-2825.6	0.	433.7	221	36696.	-139	42.00	1.75	36.0	-12.77	17.16	.30	.32	.61
106.00	.01	222	-2759.3	0.	391.2	221	26349.	-139	42.00	1.75	36.0	-12.47	12.32	.29	.23	.52
108.00	.02	221	-2694.5	0.	312.4	220	16986.	-139	42.00	1.75	36.0	-12.18	7.95	.28	.15	.43
110.00	.02	221	-2631.0	0.	224.8	220	9494.	-139	42.00	1.75	36.0	-11.89	4.44	.28	.08	.36
112.00	.02	221	-2568.9	0.	144.9	220	4094.	-140	42.00	1.75	36.0	-11.61	1.91	.27	.04	.30
114.00	.02	220	-2508.2	0.	80.7	220	608.	-144	42.00	1.75	36.0	-11.33	.28	.26	.01	.27
116.00	.01	220	-2448.7	0.	34.3	219	1342.	42	42.00	1.75	36.0	-11.07	.63	.26	.01	.27
118.00	.01	220	-2390.5	0.	4.5	215	2176.	41	42.00	1.75	36.0	-10.80	1.02	.25	.02	.27
120.00	.00	220	-2333.5	0.	12.2	42	2291.	41	42.00	1.75	36.0	-10.55	1.07	.24	.02	.26
122.00	.00	219	-2277.8	0.	19.2	41	2005.	40	42.00	1.75	36.0	-10.29	.94	.24	.02	.26
124.00	.00	214	-2223.2	0.	20.0	41	1549.	40	42.00	1.75	36.0	-10.05	.72	.23	.01	.25
126.00	.00	42	-2169.8	0.	17.3	40	1071.	40	42.00	1.75	36.0	-9.81	.50	.23	.01	.24
128.00	.00	41	-2117.6	0.	13.3	40	656.	40	42.00	1.75	36.0	-9.57	.31	.22	.01	.23
130.00	.00	41	-2066.4	0.	9.1	40	337.	40	42.00	1.75	36.0	-9.34	.16	.22	.00	.22
132.00	.00	40	-2016.3	0.	5.5	40	118.	39	42.00	1.75	36.0	-9.11	.06	.21	.00	.21
134.00	.00	40	-1967.2	0.	2.7	40	14.	-130	42.00	1.75	36.0	-8.89	.01	.21	.00	.21
136.00	.00	40	-1919.2	0.	.9	39	80.	-138	42.00	1.75	36.0	-8.67	.04	.20	.00	.20
138.00	.00	40	-1872.1	0.	.2	225	102.	-138	42.00	1.75	36.0	-8.46	.05	.20	.00	.20
140.00	.00	0	-1826.0	0.	.8	221	96.	-138	42.00	1.75	36.0	-8.25	.05	.19	.00	.19
142.00	.00	0	-1780.9	0.	.9	221	78.	-139	42.00	1.75	36.0	-8.05	.04	.19	.00	.19
144.00	.00	0	-1736.7	0.	.9	221	56.	-139	42.00	1.75	36.0	-7.85	.03	.18	.00	.18
146.00	.00	0	-1693.4	0.	.7	220	35.	-139	42.00	1.75	36.0	-7.65	.02	.18	.00	.18
148.00	.00	0	-1651.0	0.	.5	220	19.	-139	42.00	1.75	36.0	-7.46	.01	.17	.00	.17
150.00	.00	0	-1609.4	0.	.3	220	7.	-140	42.00	1.75	36.0	-7.27	.00	.17	.00	.17
152.00	.00	0	-1567.2	0.	.2	220	0.	-176	42.00	1.75	36.0	-7.08	.00	.16	.00	.16
154.00	.00	0	-1524.3	0.	.0	219	3.	41	42.00	1.75	36.0	-6.89	.00	.16	.00	.16
156.00	.00	0	-1482.2	0.	.0	44	4.	41	42.00	1.75	36.0	-6.70	.00	.16	.00	.16
158.00	.00	0	-1441.0	0.	.0	41	4.	41	42.00	1.75	36.0	-6.51	.00	.15	.00	.15
160.00	.00	0	-1400.6	0.	.0	41	3.	40	42.00	1.75	36.0	-6.33	.00	.15	.00	.15
162.00	.00	0	-1360.9	0.	.0	41	2.	40	42.00	1.75	36.0	-6.15	.00	.14	.00	.14
164.00	.00	0	-1322.0	0.	.0	40	1.	40	42.00	1.75	36.0	-5.97	.00	.14	.00	.14
166.00	.00	0	-1283.9	0.	.0	40	0.	40	42.00	1.75	36.0	-5.80	.00	.13	.00	.13
168.00	.00	0	-1246.5	0.	.0	40	0.	38	42.00	1.75	36.0	-5.63	.00	.13	.00	.13
170.00	.00	0	-1209.6	0.	.0	39	0.	-137	42.00	1.50	36.0	-6.34	.00	.15	.00	.15
172.00	.00	0	-1173.4	0.	.0	20	0.	-138	42.00	1.50	36.0	-6.15	.00	.14	.00	.14
174.00	.00	0	-1138.0	0.	.0	221	0.	-138	42.00	1.50	36.0	-5.96	.00	.14	.00	.14
176.00	.00	0	-1103.3	0.	.0	221	0.	-139	42.00	1.50	36.0	-5.78	.00	.13	.00	.13
178.00	.00	0	-1069.4	0.	.0	221	0.	-139	42.00	1.50	36.0	-5.60	.00	.13	.00	.13
180.00	.00	0	-1036.0	0.	.0	220	0.	-139	42.00	1.25	36.0	-6.47	.00	.15	.00	.15
182.00	.00	0	-1003.3	0.	.0	220	0.	-139	42.00	1.25	36.0	-6.27	.00	.15	.00	.15
184.00	.00	0	-971.4	0.	.0	220	0.	-141	42.00	1.25	36.0	-6.07	.00	.14	.00	.14
186.00	.00	0	-940.2	0.	.0	0	0.	42	42.00	1.25	36.0	-5.88	.00	.14	.00	.14
188.00	.00	0	-909.7	0.	.0	0	0.	41	42.00	1.25	36.0	-5.68	.00	.13	.00	.13
190.00	.00	0	-879.9	0.	.0	0	0.	41	42.00	1.00	36.0	-6.83	.00	.16	.00	.16
192.00	.00	0	-850.7	0.	.0	0	0.	40	42.00	1.00	36.0	-6.60	.00	.15	.00	.15
194.00	.00	0	-822.4	0.	.0	0	0.	40	42.00	1.00	36.0	-6.39	.00	.15	.00	.15
196.00	.00	0	-794.9	0.	.0	0	0.	40	42.00	1.00	36.0	-6.17	.00	.14	.00	.14
198.00	.00	0	-768.1	0.	.0	0	0.	39	42.00	1.00	36.0	-5.96	.00	.14	.00	.14

*** Group Critical Pile Report I - Group P42 - Pile 182 - Load Case 4 ***

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)	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	-742.1	0.	.0	0	0.	-137	42.00	1.00	36.0	-5.76	.00	.13	.00	.13
202.00	.00	0	-716.8	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.56	.00	.13	.00	.13
204.00	.00	0	-692.1	0.	.0	0	0.	-138	42.00	1.00	36.0	-5.37	.00	.12	.00	.12
206.00	.00	0	-668.2	0.	.0	0	0.	-139	42.00	1.00	36.0	-5.19	.00	.12	.00	.12
208.00	.00	0	-644.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.01	.00	.12	.00	.12
210.00	.00	0	-622.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.83	.00	.11	.00	.11
212.00	.00	0	-600.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.66	.00	.11	.00	.11
214.00	.00	0	-575.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.47	.00	.10	.00	.10
216.00	.00	0	-551.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.28	.00	.10	.00	.10
218.00	.00	0	-527.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.09	.00	.09	.00	.09
220.00	.00	0	-503.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.91	.00	.09	.00	.09
222.00	.00	0	-480.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.73	.00	.09	.00	.09
224.00	.00	0	-457.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.55	.00	.08	.00	.08
226.00	.00	0	-435.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.38	.00	.08	.00	.08
228.00	.00	0	-413.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.21	.00	.07	.00	.07
230.00	.00	0	-391.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.04	.00	.07	.00	.07
232.00	.00	0	-370.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.87	.00	.07	.00	.07
234.00	.00	0	-349.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.71	.00	.06	.00	.06
236.00	.00	0	-328.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.55	.00	.06	.00	.06
238.00	.00	0	-308.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.39	.00	.06	.00	.06
240.00	.00	0	-287.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.24	.00	.05	.00	.05
242.00	.00	0	-268.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.08	.00	.05	.00	.05
244.00	.00	0	-248.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.93	.00	.04	.00	.04
246.00	.00	0	-229.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.78	.00	.04	.00	.04
248.00	.00	0	-210.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.63	.00	.04	.00	.04
250.00	.00	0	-191.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.48	.00	.03	.00	.03
252.00	.00	0	-172.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.34	.00	.03	.00	.03
254.00	.00	0	-154.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.20	.00	.03	.00	.03
256.00	.00	0	-135.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.05	.00	.02	.00	.02
258.00	.00	0	-117.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.91	.00	.02	.00	.02
260.00	.00	0	-99.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.77	.00	.02	.00	.02
262.00	.00	0	-81.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.63	.00	.01	.00	.01
264.00	.00	0	-63.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.49	.00	.01	.00	.01
266.00	.00	0	-45.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.35	.00	.01	.00	.01
268.00	.00	0	-27.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-.21	.00	.00	.00	.00

*** Group Critical Pile Report II - Group P42 - Pile 172 - Load Case 4 ***

Dist. Along Pile (Ft)	Deflection		Axial Force		Shear Force		Bending Moment		Pile Properties			Axial Stress	Bending Stress	Unity Check Values		
	Normal Value (In)	In Pile Angle (Deg)	Force (Kips)	Torsion (In-Kips)	Value (Kips)	Angle (Deg)	Value (In-Kips)	Angle (Deg)	OD (In)	WI	Fy (KSI)	(KSI)	(KSI)	Axial	Bend.	Total
.00	45.16	87	-3094.9	0.	189.5	85	88433.	85	42.00	1.75	36.0	-13.99	41.36	.32	.77	1.09
2.00	43.96	87	-3095.4	0.	187.6	85	80169.	84	42.00	1.75	36.0	-13.99	37.50	.32	.69	1.02
4.00	42.72	87	-3095.9	0.	185.6	85	71841.	84	42.00	1.75	36.0	-13.99	33.60	.32	.62	.95
6.00	41.45	87	-3096.5	0.	183.3	85	63466.	84	42.00	1.75	36.0	-13.99	29.69	.32	.55	.87
8.00	40.15	87	-3097.0	0.	180.9	85	55058.	83	42.00	1.75	36.0	-14.00	25.75	.32	.48	.80
10.00	38.83	87	-3097.5	0.	178.4	85	46636.	83	42.00	1.75	36.0	-14.00	21.81	.32	.40	.73
12.00	37.48	87	-3097.9	0.	175.6	85	38215.	82	42.00	1.75	36.0	-14.00	17.88	.32	.33	.66
14.00	36.13	87	-3098.4	0.	172.8	85	29817.	81	42.00	1.75	36.0	-14.00	13.95	.32	.26	.58
16.00	34.75	87	-3098.9	0.	169.7	85	21467.	79	42.00	1.75	36.0	-14.00	10.04	.32	.19	.51
18.00	33.37	87	-3099.3	0.	166.6	85	13219.	75	42.00	1.75	36.0	-14.01	6.18	.32	.11	.44
20.00	31.98	87	-3099.7	0.	163.3	85	5364.	56	42.00	1.75	36.0	-14.01	2.51	.32	.05	.37
22.00	30.59	87	-3100.1	0.	159.8	85	4464.	-56	42.00	1.75	36.0	-14.01	2.09	.32	.04	.36
24.00	29.20	87	-3100.5	0.	156.3	85	12012.	-80	42.00	1.75	36.0	-14.01	5.62	.32	.10	.43
26.00	27.82	87	-3100.9	0.	152.6	85	19927.	-85	42.00	1.75	36.0	-14.01	9.32	.32	.17	.50
28.00	26.45	87	-3101.3	0.	148.8	85	27797.	-87	42.00	1.75	36.0	-14.01	13.00	.32	.24	.57
30.00	25.08	87	-3101.6	0.	144.9	85	35562.	-89	42.00	1.75	36.0	-14.02	16.63	.32	.31	.63
32.00	23.74	87	-3101.9	0.	141.0	85	43197.	-89	42.00	1.75	36.0	-14.02	20.20	.32	.37	.70
34.00	22.41	87	-3099.7	0.	129.8	85	50683.	-90	42.00	1.75	36.0	-14.01	23.71	.32	.44	.76
36.00	21.11	87	-3094.9	0.	112.0	84	57832.	-90	42.00	1.75	36.0	-13.99	27.05	.32	.50	.82
38.00	19.83	87	-3090.1	0.	94.5	84	64470.	-91	42.00	1.75	36.0	-13.96	30.16	.32	.56	.88
40.00	18.58	87	-3085.1	0.	77.4	83	70594.	-91	42.00	1.75	36.0	-13.94	33.02	.32	.61	.93
42.00	17.36	86	-3080.1	0.	60.6	82	76206.	-91	42.00	1.75	36.0	-13.92	35.64	.32	.66	.98
44.00	16.17	86	-3075.0	0.	44.3	81	81307.	-91	42.00	1.75	36.0	-13.90	38.03	.32	.70	1.03
46.00	15.02	86	-3069.8	0.	28.5	78	85899.	-91	42.00	1.75	36.0	-13.87	40.18	.32	.74	1.07
48.00	13.91	86	-3064.5	0.	13.3	67	89986.	-91	42.00	1.75	36.0	-13.85	42.09	.32	.78	1.10
50.00	12.83	86	-3059.2	0.	5.1	-33	93572.	-92	42.00	1.75	36.0	-13.82	43.77	.32	.81	1.13
52.00	11.80	86	-3053.8	0.	17.8	-78	96663.	-92	42.00	1.75	36.0	-13.80	45.21	.32	.84	1.16
54.00	10.82	86	-3048.3	0.	31.9	-85	99265.	-92	42.00	1.75	36.0	-13.78	46.43	.32	.86	1.18
56.00	9.87	86	-3042.7	0.	45.6	-87	101385.	-92	42.00	1.75	36.0	-13.75	47.42	.32	.88	1.20
58.00	8.97	86	-3037.1	0.	59.0	-88	103030.	-92	42.00	1.75	36.0	-13.72	48.19	.32	.89	1.21
60.00	8.12	86	-3031.4	0.	72.0	-89	104210.	-92	42.00	1.75	36.0	-13.70	48.74	.32	.90	1.22
62.00	7.31	86	-3025.6	0.	84.5	269	104933.	-92	42.00	1.75	36.0	-13.67	49.08	.32	.91	1.23
64.00	6.55	86	-3019.7	0.	96.6	269	105210.	-92	42.00	1.75	36.0	-13.65	49.21	.32	.91	1.23
66.00	5.83	86	-3013.8	0.	108.2	269	105053.	-92	42.00	1.75	36.0	-13.62	49.14	.32	.91	1.23
68.00	5.16	86	-3007.8	0.	119.3	268	104472.	-92	42.00	1.75	36.0	-13.59	48.87	.31	.90	1.22
70.00	4.54	86	-3001.7	0.	130.0	268	103482.	-92	42.00	1.75	36.0	-13.56	48.40	.31	.90	1.21
72.00	3.96	86	-2995.5	0.	140.2	268	102094.	-92	42.00	1.75	36.0	-13.54	47.75	.31	.88	1.20
74.00	3.43	86	-2989.3	0.	149.9	268	100322.	-92	42.00	1.75	36.0	-13.51	46.92	.31	.87	1.18
76.00	2.94	86	-2983.0	0.	159.0	268	98183.	-92	42.00	1.75	36.0	-13.48	45.92	.31	.85	1.16
78.00	2.50	86	-2976.6	0.	167.7	268	95691.	-92	42.00	1.75	36.0	-13.45	44.76	.31	.83	1.14
80.00	2.10	86	-2970.1	0.	176.0	268	92862.	-92	42.00	1.75	36.0	-13.42	43.44	.31	.80	1.12
82.00	1.74	86	-2963.6	0.	183.7	268	89710.	-92	42.00	1.75	36.0	-13.39	41.96	.31	.78	1.09
84.00	1.42	86	-2957.0	0.	190.9	267	86253.	-93	42.00	1.75	36.0	-13.36	40.34	.31	.75	1.06
86.00	1.14	86	-2950.3	0.	197.6	267	82509.	-93	42.00	1.75	36.0	-13.33	38.59	.31	.71	1.02
88.00	.89	86	-2943.6	0.	203.7	267	78494.	-93	42.00	1.75	36.0	-13.30	36.72	.31	.68	.99
90.00	.68	86	-2936.8	0.	209.4	267	74228.	-93	42.00	1.75	36.0	-13.27	34.72	.31	.64	.95
92.00	.50	86	-2929.9	0.	214.5	267	69729.	-93	42.00	1.75	36.0	-13.24	32.62	.31	.60	.91
94.00	.35	86	-2922.9	0.	219.0	267	65017.	-93	42.00	1.75	36.0	-13.21	30.41	.31	.56	.87
96.00	.23	85	-2915.9	0.	222.6	267	60111.	-93	42.00	1.75	36.0	-13.18	28.12	.31	.52	.83
98.00	.14	85	-2908.8	0.	224.8	267	55039.	-93	42.00	1.75	36.0	-13.14	25.74	.30	.48	.78

*** Group Critical File Report II - Group P42 - Pile 172 - Load Case 4 ***

Dist. Along Pile (Ft)	Deflection		Axial Force (Kips)	Torsion (In-Kips)	Shear Force		Bending Moment		Pile Properties			Axial Stress (MSI)	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	85	-2870.9	0.	349.2	266	49843.	-93	42.00	1.75	36.0	-12.97	23.31	.30	.43	.73
102.00	.02	84	-2803.9	0.	435.9	266	41596.	-93	42.00	1.75	36.0	-12.67	19.46	.29	.36	.65
104.00	.00	-87	-2738.3	0.	421.7	266	31213.	-93	42.00	1.75	36.0	-12.37	14.60	.29	.27	.56
106.00	.02	266	-2674.2	0.	353.8	266	21132.	-94	42.00	1.75	36.0	-12.08	9.88	.28	.18	.46
108.00	.02	266	-2611.4	0.	266.1	266	12655.	-94	42.00	1.75	36.0	-11.80	5.92	.27	.11	.38
110.00	.02	266	-2550.0	0.	180.2	265	6265.	-94	42.00	1.75	36.0	-11.52	2.93	.27	.05	.32
112.00	.02	266	-2489.9	0.	107.7	265	1930.	-95	42.00	1.75	36.0	-11.25	.90	.26	.02	.28
114.00	.01	266	-2431.1	0.	52.9	265	666.	89	42.00	1.75	36.0	-10.99	.31	.25	.01	.26
116.00	.01	265	-2373.6	0.	15.7	264	1945.	86	42.00	1.75	36.0	-10.73	.91	.25	.02	.27
118.00	.01	265	-2317.3	0.	6.5	89	2330.	86	42.00	1.75	36.0	-10.47	1.09	.24	.02	.26
120.00	.00	265	-2262.2	0.	17.3	86	2181.	86	42.00	1.75	36.0	-10.22	1.02	.24	.02	.26
122.00	.00	-90	-2208.3	0.	20.4	86	1770.	86	42.00	1.75	36.0	-9.98	.83	.23	.02	.25
124.00	.00	90	-2155.5	0.	18.9	86	1282.	85	42.00	1.75	36.0	-9.74	.60	.23	.01	.24
126.00	.00	90	-2103.9	0.	15.3	86	829.	85	42.00	1.75	36.0	-9.51	.39	.22	.01	.23
128.00	.00	90	-2053.3	0.	11.0	85	463.	85	42.00	1.75	36.0	-9.28	.22	.21	.00	.22
130.00	.00	90	-2003.8	0.	7.0	85	200.	85	42.00	1.75	36.0	-9.06	.09	.21	.00	.21
132.00	.00	90	-1955.4	0.	3.8	85	32.	82	42.00	1.75	36.0	-8.84	.02	.20	.00	.20
134.00	.00	90	-1907.9	0.	1.6	85	60.	-92	42.00	1.75	36.0	-8.62	.03	.20	.00	.20
136.00	.00	90	-1861.5	0.	.2	78	98.	-93	42.00	1.75	36.0	-8.41	.05	.19	.00	.19
138.00	.00	90	-1816.0	0.	.6	267	102.	-93	42.00	1.75	36.0	-8.21	.05	.19	.00	.19
140.00	.00	0	-1771.4	0.	.9	266	87.	-93	42.00	1.75	36.0	-8.01	.04	.19	.00	.19
142.00	.00	0	-1727.8	0.	.9	266	66.	-93	42.00	1.75	36.0	-7.81	.03	.18	.00	.18
144.00	.00	0	-1685.1	0.	.8	266	44.	-94	42.00	1.75	36.0	-7.61	.02	.18	.00	.18
146.00	.00	0	-1643.2	0.	.6	266	25.	-94	42.00	1.75	36.0	-7.43	.01	.17	.00	.17
148.00	.00	0	-1602.2	0.	.4	265	11.	-94	42.00	1.75	36.0	-7.24	.01	.17	.00	.17
150.00	.00	0	-1560.5	0.	.2	265	2.	-96	42.00	1.75	36.0	-7.05	.00	.16	.00	.16
152.00	.00	0	-1518.2	0.	.1	265	2.	87	42.00	1.75	36.0	-6.86	.00	.16	.00	.16
154.00	.00	0	-1476.8	0.	.0	247	4.	86	42.00	1.75	36.0	-6.67	.00	.15	.00	.15
156.00	.00	0	-1436.2	0.	.0	87	4.	86	42.00	1.75	36.0	-6.49	.00	.15	.00	.15
158.00	.00	0	-1396.3	0.	.0	86	3.	86	42.00	1.75	36.0	-6.31	.00	.15	.00	.15
160.00	.00	0	-1357.3	0.	.0	86	2.	86	42.00	1.75	36.0	-6.13	.00	.14	.00	.14
162.00	.00	0	-1319.0	0.	.0	86	1.	85	42.00	1.75	36.0	-5.96	.00	.14	.00	.14
164.00	.00	0	-1281.4	0.	.0	85	0.	85	42.00	1.75	36.0	-5.79	.00	.13	.00	.13
166.00	.00	0	-1244.5	0.	.0	85	0.	85	42.00	1.75	36.0	-5.62	.00	.13	.00	.13
168.00	.00	0	-1208.4	0.	.0	85	0.	-87	42.00	1.75	36.0	-5.46	.00	.13	.00	.13
170.00	.00	0	-1172.8	0.	.0	83	0.	-93	42.00	1.50	36.0	-5.14	.00	.14	.00	.14
172.00	.00	0	-1137.8	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.96	.00	.14	.00	.14
174.00	.00	0	-1103.6	0.	.0	266	0.	-93	42.00	1.50	36.0	-5.78	.00	.13	.00	.13
176.00	.00	0	-1070.1	0.	.0	266	0.	-93	42.00	1.50	36.0	-5.61	.00	.13	.00	.13
178.00	.00	0	-1037.3	0.	.0	266	0.	-94	42.00	1.50	36.0	-5.44	.00	.13	.00	.13
180.00	.00	0	-1005.1	0.	.0	-90	0.	-94	42.00	1.25	36.0	-6.28	.00	.15	.00	.15
182.00	.00	0	-973.5	0.	.0	-90	0.	-94	42.00	1.25	36.0	-6.08	.00	.14	.00	.14
184.00	.00	0	-942.7	0.	.0	-90	0.	90	42.00	1.25	36.0	-5.89	.00	.14	.00	.14
186.00	.00	0	-912.5	0.	.0	0	0.	86	42.00	1.25	36.0	-5.70	.00	.13	.00	.13
188.00	.00	0	-883.1	0.	.0	0	0.	86	42.00	1.25	36.0	-5.52	.00	.13	.00	.13
190.00	.00	0	-854.3	0.	.0	0	0.	86	42.00	1.00	36.0	-6.63	.00	.15	.00	.15
192.00	.00	0	-826.2	0.	.0	0	0.	86	42.00	1.00	36.0	-6.41	.00	.15	.00	.15
194.00	.00	0	-798.9	0.	.0	0	0.	85	42.00	1.00	36.0	-6.20	.00	.14	.00	.14
196.00	.00	0	-772.3	0.	.0	0	0.	85	42.00	1.00	36.0	-6.00	.00	.14	.00	.14
198.00	.00	0	-746.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.80	.00	.13	.00	.13

*** Group Critical Pile Report II - Group P42 - Pile 172 - Load Case 4 ***

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)	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	-721.4	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.60	.00	.13	.00	.13
202.00	.00	0	-696.9	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.41	.00	.13	.00	.13
204.00	.00	0	-673.2	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.23	.00	.12	.00	.12
206.00	.00	0	-650.1	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.05	.00	.12	.00	.12
208.00	.00	0	-627.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.87	.00	.11	.00	.11
210.00	.00	0	-605.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.70	.00	.11	.00	.11
212.00	.00	0	-582.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.52	.00	.10	.00	.10
214.00	.00	0	-558.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.34	.00	.10	.00	.10
216.00	.00	0	-535.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.15	.00	.10	.00	.10
218.00	.00	0	-511.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.97	.00	.09	.00	.09
220.00	.00	0	-488.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.79	.00	.09	.00	.09
222.00	.00	0	-466.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.62	.00	.08	.00	.08
224.00	.00	0	-443.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.45	.00	.08	.00	.08
226.00	.00	0	-422.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.28	.00	.08	.00	.08
228.00	.00	0	-400.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.11	.00	.07	.00	.07
230.00	.00	0	-379.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.95	.00	.07	.00	.07
232.00	.00	0	-358.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.79	.00	.06	.00	.06
234.00	.00	0	-338.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.63	.00	.06	.00	.06
236.00	.00	0	-318.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.47	.00	.06	.00	.06
238.00	.00	0	-298.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.32	.00	.05	.00	.05
240.00	.00	0	-279.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.17	.00	.05	.00	.05
242.00	.00	0	-260.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.02	.00	.05	.00	.05
244.00	.00	0	-241.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.87	.00	.04	.00	.04
246.00	.00	0	-222.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.73	.00	.04	.00	.04
248.00	.00	0	-203.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.58	.00	.04	.00	.04
250.00	.00	0	-185.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.44	.00	.03	.00	.03
252.00	.00	0	-167.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.30	.00	.03	.00	.03
254.00	.00	0	-149.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.16	.00	.03	.00	.03
256.00	.00	0	-131.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.02	.00	.02	.00	.02
258.00	.00	0	-114.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-.89	.00	.02	.00	.02
260.00	.00	0	-96.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-.75	.00	.02	.00	.02
262.00	.00	0	-78.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-.61	.00	.01	.00	.01
264.00	.00	0	-61.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.48	.00	.01	.00	.01
266.00	.00	0	-44.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-.34	.00	.01	.00	.01
268.00	.00	0	-26.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-.21	.00	.00	.00	.00

*** Group Critical Pile Report III - Group P42 - Pile 162 - Load Case 4 ***

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 /-- (In)	WT /-- (In)	Fy (KSI)			Axial /-----/	Bend. /-----/	Total /-----/
.00	43.87	87	-2940.0	0.	195.4	85	87349.	84	42.00	1.75	36.0	-13.29	40.86	.31	.76	1.06
2.00	42.71	87	-2940.5	0.	193.5	85	79255.	84	42.00	1.75	36.0	-13.29	37.07	.31	.69	.99
4.00	41.52	87	-2941.0	0.	191.5	85	71103.	83	42.00	1.75	36.0	-13.29	33.26	.31	.62	.92
6.00	40.29	87	-2941.4	0.	189.3	85	62910.	83	42.00	1.75	36.0	-13.29	29.43	.31	.54	.85
8.00	39.03	87	-2941.9	0.	186.9	85	54690.	83	42.00	1.75	36.0	-13.29	25.58	.31	.47	.78
10.00	37.75	87	-2942.3	0.	184.3	85	46460.	82	42.00	1.75	36.0	-13.30	21.73	.31	.40	.71
12.00	36.45	87	-2942.7	0.	181.6	85	38238.	81	42.00	1.75	36.0	-13.30	17.89	.31	.33	.64
14.00	35.14	87	-2943.1	0.	178.8	85	30043.	80	42.00	1.75	36.0	-13.30	14.05	.31	.26	.57
16.00	33.81	87	-2943.5	0.	175.8	85	21904.	77	42.00	1.75	36.0	-13.30	10.25	.31	.19	.50
18.00	32.47	87	-2943.9	0.	172.6	85	13882.	73	42.00	1.75	36.0	-13.30	6.49	.31	.12	.43
20.00	31.12	87	-2944.2	0.	169.4	84	6278.	55	42.00	1.75	36.0	-13.31	2.94	.31	.05	.36
22.00	29.77	86	-2944.6	0.	166.0	84	4123.	-43	42.00	1.75	36.0	-13.31	1.93	.31	.04	.34
24.00	28.43	86	-2944.9	0.	162.4	84	11034.	-76	42.00	1.75	36.0	-13.31	5.16	.31	.10	.40
26.00	27.08	86	-2945.2	0.	158.8	84	18686.	-83	42.00	1.75	36.0	-13.31	8.74	.31	.16	.47
28.00	25.75	86	-2945.5	0.	155.0	84	26342.	-86	42.00	1.75	36.0	-13.31	12.32	.31	.23	.54
30.00	24.43	86	-2945.8	0.	151.2	84	33912.	-88	42.00	1.75	36.0	-13.31	15.86	.31	.29	.60
32.00	23.12	86	-2946.1	0.	147.3	84	41363.	-89	42.00	1.75	36.0	-13.31	19.35	.31	.36	.67
34.00	21.83	86	-2943.7	0.	136.2	84	48674.	-90	42.00	1.75	36.0	-13.30	22.77	.31	.42	.73
36.00	20.56	86	-2938.5	0.	118.5	84	55659.	-90	42.00	1.75	36.0	-13.28	26.03	.31	.48	.79
38.00	19.32	86	-2933.4	0.	101.2	83	62144.	-90	42.00	1.75	36.0	-13.26	29.07	.31	.54	.85
40.00	18.10	86	-2928.1	0.	84.2	83	68127.	-91	42.00	1.75	36.0	-13.23	31.87	.31	.59	.90
42.00	16.92	86	-2922.8	0.	67.7	82	73609.	-91	42.00	1.75	36.0	-13.21	34.43	.31	.64	.94
44.00	15.76	86	-2917.3	0.	51.5	80	78593.	-91	42.00	1.75	36.0	-13.18	36.76	.31	.68	.99
46.00	14.65	86	-2911.9	0.	35.8	78	83080.	-91	42.00	1.75	36.0	-13.16	38.86	.30	.72	1.02
48.00	13.56	86	-2906.3	0.	20.6	72	87075.	-91	42.00	1.75	36.0	-13.13	40.73	.30	.75	1.06
50.00	12.52	86	-2900.7	0.	7.2	40	90583.	-92	42.00	1.75	36.0	-13.11	42.37	.30	.78	1.09
52.00	11.52	86	-2895.0	0.	10.9	-65	93609.	-92	42.00	1.75	36.0	-13.08	43.78	.30	.81	1.11
54.00	10.56	86	-2889.2	0.	24.4	-81	96159.	-92	42.00	1.75	36.0	-13.06	44.98	.30	.83	1.14
56.00	9.64	86	-2883.4	0.	37.9	-85	98240.	-92	42.00	1.75	36.0	-13.03	45.95	.30	.85	1.15
58.00	8.76	86	-2877.5	0.	51.2	-87	99861.	-92	42.00	1.75	36.0	-13.00	46.71	.30	.86	1.17
60.00	7.93	86	-2871.5	0.	64.0	-88	101030.	-92	42.00	1.75	36.0	-12.98	47.26	.30	.88	1.18
62.00	7.14	86	-2865.4	0.	76.4	-89	101757.	-92	42.00	1.75	36.0	-12.95	47.60	.30	.88	1.18
64.00	6.40	86	-2859.3	0.	88.4	269	102052.	-92	42.00	1.75	36.0	-12.92	47.73	.30	.88	1.18
66.00	5.70	86	-2853.1	0.	99.9	269	101925.	-92	42.00	1.75	36.0	-12.89	47.67	.30	.88	1.18
68.00	5.05	86	-2846.9	0.	111.0	269	101389.	-92	42.00	1.75	36.0	-12.87	47.42	.30	.88	1.18
70.00	4.44	86	-2840.5	0.	121.6	268	100455.	-92	42.00	1.75	36.0	-12.84	46.99	.30	.87	1.17
72.00	3.88	86	-2834.1	0.	131.7	268	99138.	-92	42.00	1.75	36.0	-12.81	46.37	.30	.86	1.16
74.00	3.36	86	-2827.7	0.	141.2	268	97449.	-92	42.00	1.75	36.0	-12.78	45.58	.30	.84	1.14
76.00	2.89	86	-2821.1	0.	150.3	268	95406.	-93	42.00	1.75	36.0	-12.75	44.63	.30	.83	1.12
78.00	2.45	86	-2814.5	0.	159.0	268	93022.	-93	42.00	1.75	36.0	-12.72	43.51	.29	.81	1.10
80.00	2.06	86	-2807.8	0.	167.2	268	90312.	-93	42.00	1.75	36.0	-12.69	42.24	.29	.78	1.08
82.00	1.71	85	-2801.1	0.	174.8	268	87291.	-93	42.00	1.75	36.0	-12.66	40.83	.29	.76	1.05
84.00	1.39	85	-2794.2	0.	182.0	267	83975.	-93	42.00	1.75	36.0	-12.63	39.28	.29	.73	1.02
86.00	1.12	85	-2787.3	0.	188.7	267	80382.	-93	42.00	1.75	36.0	-12.60	37.60	.29	.70	.99
88.00	.87	85	-2780.4	0.	194.8	267	76528.	-93	42.00	1.75	36.0	-12.56	35.80	.29	.66	.95
90.00	.67	85	-2773.4	0.	200.4	267	72431.	-93	42.00	1.75	36.0	-12.53	33.88	.29	.63	.92
92.00	.49	85	-2766.3	0.	205.5	267	68110.	-93	42.00	1.75	36.0	-12.50	31.86	.29	.59	.88
94.00	.35	85	-2759.1	0.	209.9	267	63583.	-93	42.00	1.75	36.0	-12.47	29.74	.29	.55	.84
96.00	.23	85	-2751.9	0.	213.6	267	58870.	-93	42.00	1.75	36.0	-12.44	27.54	.29	.51	.80
98.00	.14	85	-2744.6	0.	215.7	267	53997.	-93	42.00	1.75	36.0	-12.40	25.26	.29	.47	.75

*** Group Critical Pile Report III - Group P42 - Pile 162 - Load Case 4 ***

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	Total
100.00	.07	84	-2708.6	0.	339.6	266	49007.	-94	42.00	1.75	36.0	-12.24	22.92	.28	.42	.71
102.00	.02	84	-2645.4	0.	427.0	266	40983.	-94	42.00	1.75	36.0	-11.95	19.17	.28	.35	.63
104.00	.00	-86	-2583.6	0.	414.4	265	30808.	-94	42.00	1.75	36.0	-11.68	14.41	.27	.27	.54
106.00	.02	266	-2523.2	0.	348.5	265	20899.	-94	42.00	1.75	36.0	-11.40	9.78	.26	.18	.44
108.00	.02	266	-2464.0	0.	262.7	265	12547.	-94	42.00	1.75	36.0	-11.14	5.87	.26	.11	.37
110.00	.02	265	-2406.2	0.	178.3	265	6242.	-95	42.00	1.75	36.0	-10.87	2.92	.25	.05	.31
112.00	.02	265	-2349.6	0.	106.8	265	1955.	-96	42.00	1.75	36.0	-10.62	.91	.25	.02	.26
114.00	.01	265	-2294.2	0.	52.7	264	620.	89	42.00	1.75	36.0	-10.37	.29	.24	.01	.25
116.00	.01	265	-2240.0	0.	15.9	263	1893.	86	42.00	1.75	36.0	-10.12	.89	.23	.02	.25
118.00	.01	265	-2186.9	0.	6.1	89	2284.	86	42.00	1.75	36.0	-9.88	1.07	.23	.02	.25
120.00	.00	264	-2135.0	0.	16.8	86	2144.	85	42.00	1.75	36.0	-9.65	1.00	.22	.02	.24
122.00	.00	-90	-2084.2	0.	20.0	86	1744.	85	42.00	1.75	36.0	-9.42	.82	.22	.02	.23
124.00	.00	90	-2034.5	0.	18.6	85	1266.	85	42.00	1.75	36.0	-9.19	.59	.21	.01	.22
126.00	.00	90	-1985.8	0.	15.0	85	820.	85	42.00	1.75	36.0	-8.97	.38	.21	.01	.21
128.00	.00	90	-1938.2	0.	10.8	85	460.	85	42.00	1.75	36.0	-8.76	.22	.20	.00	.21
130.00	.00	90	-1891.6	0.	6.9	85	200.	84	42.00	1.75	36.0	-8.55	.09	.20	.00	.20
132.00	.00	90	-1845.9	0.	3.8	85	33.	81	42.00	1.75	36.0	-8.34	.02	.19	.00	.19
134.00	.00	90	-1801.2	0.	1.6	84	57.	-92	42.00	1.75	36.0	-8.14	.03	.19	.00	.19
136.00	.00	90	-1757.5	0.	.2	78	96.	-93	42.00	1.75	36.0	-7.94	.04	.18	.00	.18
138.00	.00	90	-1714.6	0.	.6	267	100.	-94	42.00	1.75	36.0	-7.75	.05	.18	.00	.18
140.00	.00	0	-1672.7	0.	.9	266	86.	-94	42.00	1.75	36.0	-7.56	.04	.17	.00	.17
142.00	.00	0	-1631.6	0.	.9	265	65.	-94	42.00	1.75	36.0	-7.37	.03	.17	.00	.17
144.00	.00	0	-1591.4	0.	.8	265	43.	-94	42.00	1.75	36.0	-7.19	.02	.17	.00	.17
146.00	.00	0	-1552.0	0.	.6	265	25.	-94	42.00	1.75	36.0	-7.01	.01	.16	.00	.16
148.00	.00	0	-1513.3	0.	.4	265	11.	-95	42.00	1.75	36.0	-6.84	.01	.16	.00	.16
150.00	.00	0	-1474.1	0.	.2	265	2.	-97	42.00	1.75	36.0	-6.66	.00	.15	.00	.15
152.00	.00	0	-1434.3	0.	.1	264	2.	87	42.00	1.75	36.0	-6.48	.00	.15	.00	.15
154.00	.00	0	-1395.3	0.	.0	249	4.	86	42.00	1.75	36.0	-6.31	.00	.15	.00	.15
156.00	.00	0	-1357.0	0.	.0	86	4.	85	42.00	1.75	36.0	-6.13	.00	.14	.00	.14
158.00	.00	0	-1319.5	0.	.0	86	3.	85	42.00	1.75	36.0	-5.96	.00	.14	.00	.14
160.00	.00	0	-1282.7	0.	.0	85	2.	85	42.00	1.75	36.0	-5.80	.00	.13	.00	.13
162.00	.00	0	-1246.7	0.	.0	85	1.	85	42.00	1.75	36.0	-5.63	.00	.13	.00	.13
164.00	.00	0	-1211.3	0.	.0	85	0.	85	42.00	1.75	36.0	-5.47	.00	.13	.00	.13
166.00	.00	0	-1176.6	0.	.0	85	0.	84	42.00	1.75	36.0	-5.32	.00	.12	.00	.12
168.00	.00	0	-1142.6	0.	.0	84	0.	-85	42.00	1.75	36.0	-5.16	.00	.12	.00	.12
170.00	.00	0	-1109.1	0.	.0	83	0.	-93	42.00	1.50	36.0	-5.81	.00	.13	.00	.13
172.00	.00	0	-1076.2	0.	.0	-90	0.	-93	42.00	1.50	36.0	-5.64	.00	.13	.00	.13
174.00	.00	0	-1044.0	0.	.0	266	0.	-94	42.00	1.50	36.0	-5.47	.00	.13	.00	.13
176.00	.00	0	-1012.5	0.	.0	265	0.	-94	42.00	1.50	36.0	-5.31	.00	.12	.00	.12
178.00	.00	0	-981.6	0.	.0	265	0.	-94	42.00	1.50	36.0	-5.14	.00	.12	.00	.12
180.00	.00	0	-951.3	0.	.0	-90	0.	-94	42.00	1.25	36.0	-5.94	.00	.14	.00	.14
182.00	.00	0	-921.6	0.	.0	-90	0.	-95	42.00	1.25	36.0	-5.76	.00	.13	.00	.13
184.00	.00	0	-892.6	0.	.0	-90	0.	91	42.00	1.25	36.0	-5.58	.00	.13	.00	.13
186.00	.00	0	-864.2	0.	.0	0	0.	86	42.00	1.25	36.0	-5.40	.00	.13	.00	.13
188.00	.00	0	-836.6	0.	.0	0	0.	85	42.00	1.25	36.0	-5.23	.00	.12	.00	.12
190.00	.00	0	-809.5	0.	.0	0	0.	85	42.00	1.00	36.0	-6.28	.00	.15	.00	.15
192.00	.00	0	-783.0	0.	.0	0	0.	85	42.00	1.00	36.0	-6.08	.00	.14	.00	.14
194.00	.00	0	-757.3	0.	.0	0	0.	85	42.00	1.00	36.0	-5.88	.00	.14	.00	.14
196.00	.00	0	-732.3	0.	.0	0	0.	84	42.00	1.00	36.0	-5.69	.00	.13	.00	.13
198.00	.00	0	-708.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-5.50	.00	.13	.00	.13

*** Group Critical Pile Report III - Group P42 - Pile 162 - Load Case 4 ***

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	-684.5	0.	.0	0	0.	-93	42.00	1.00	36.0	-5.31	.00	.12	.00	.12
202.00	.00	0	-661.5	0.	.0	0	0.	-94	42.00	1.00	36.0	-5.14	.00	.12	.00	.12
204.00	.00	0	-639.2	0.	.0	0	0.	-94	42.00	1.00	36.0	-4.96	.00	.11	.00	.11
206.00	.00	0	-617.5	0.	.0	0	0.	-94	42.00	1.00	36.0	-4.79	.00	.11	.00	.11
208.00	.00	0	-596.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.63	.00	.11	.00	.11
210.00	.00	0	-575.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.47	.00	.10	.00	.10
212.00	.00	0	-554.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.30	.00	.10	.00	.10
214.00	.00	0	-530.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-4.12	.00	.10	.00	.10
216.00	.00	0	-508.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.95	.00	.09	.00	.09
218.00	.00	0	-485.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.77	.00	.09	.00	.09
220.00	.00	0	-463.8	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.60	.00	.08	.00	.08
222.00	.00	0	-442.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.43	.00	.08	.00	.08
224.00	.00	0	-421.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.27	.00	.08	.00	.08
226.00	.00	0	-400.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-3.11	.00	.07	.00	.07
228.00	.00	0	-380.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.95	.00	.07	.00	.07
230.00	.00	0	-360.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.80	.00	.06	.00	.06
232.00	.00	0	-340.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.64	.00	.06	.00	.06
234.00	.00	0	-321.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.49	.00	.06	.00	.06
236.00	.00	0	-302.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.35	.00	.05	.00	.05
238.00	.00	0	-283.6	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.20	.00	.05	.00	.05
240.00	.00	0	-265.2	0.	.0	0	0.	-90	42.00	1.00	36.0	-2.06	.00	.05	.00	.05
242.00	.00	0	-247.0	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.92	.00	.04	.00	.04
244.00	.00	0	-229.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.78	.00	.04	.00	.04
246.00	.00	0	-211.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.64	.00	.04	.00	.04
248.00	.00	0	-193.9	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.51	.00	.03	.00	.03
250.00	.00	0	-176.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.37	.00	.03	.00	.03
252.00	.00	0	-159.4	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.24	.00	.03	.00	.03
254.00	.00	0	-142.3	0.	.0	0	0.	-90	42.00	1.00	36.0	-1.11	.00	.03	.00	.03
256.00	.00	0	-125.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.97	.00	.02	.00	.02
258.00	.00	0	-108.7	0.	.0	0	0.	-90	42.00	1.00	36.0	-.84	.00	.02	.00	.02
260.00	.00	0	-92.1	0.	.0	0	0.	-90	42.00	1.00	36.0	-.71	.00	.02	.00	.02
262.00	.00	0	-75.5	0.	.0	0	0.	-90	42.00	1.00	36.0	-.59	.00	.01	.00	.01
264.00	.00	0	-59.0	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 And Structure Force Comparison in Global Coordinate System ***

Load Case	Pile Joint		Forces (Kips)			Moments (In-Kips)		
			X	Y	Z	X	Y	Z
4	200	Pile Head	-9.845	331.821	-375.235	96737.033	5092.360	.000
		Structure	-9.854	331.827	-372.307	96742.042	5097.210	.000
		Difference	-.009	.006	2.928	5.009	4.850	.000
112	112	Pile Head	110.694	434.699	1016.669	64565.313	-2557.005	-6200.827
		Structure	110.760	434.773	1017.399	64567.186	-2553.705	-6201.344
		Difference	.065	.075	.731	1.873	3.300	-.517
122	122	Pile Head	7.637	461.969	1063.382	73429.577	-2583.976	258.401
		Structure	7.630	462.048	1064.143	73432.319	-2580.705	258.073
		Difference	-.007	.080	.761	2.742	3.272	-.327
132	132	Pile Head	5.966	455.923	933.923	79335.152	-1787.190	178.723
		Structure	5.959	456.002	934.659	79338.575	-1783.907	178.395
		Difference	-.007	.079	.736	3.423	3.283	-.328
142	142	Pile Head	-55.508	410.422	597.810	78200.680	-1786.728	7998.744
		Structure	-55.591	410.504	598.569	78204.443	-1783.462	7998.794
		Difference	-.083	.082	.759	3.763	3.266	.050
152	152	Pile Head	-267.619	446.388	-2513.089	73673.234	7861.326	-6581.185
		Structure	-267.552	446.316	-2512.343	73674.983	7866.369	-6580.856
		Difference	.067	-.072	.745	1.749	5.043	.329
162	162	Pile Head	-16.161	487.177	-2906.493	86927.884	8525.689	852.574
		Structure	-16.168	487.103	-2905.723	86930.557	8530.668	853.071
		Difference	-.007	-.073	.770	2.673	4.979	.498
172	172	Pile Head	-14.116	496.898	-3061.069	88107.779	7542.492	754.254
		Structure	-14.123	496.830	-3060.339	88111.008	7547.405	754.746
		Difference	-.007	-.068	.730	3.229	4.913	.491
182	182	Pile Head	296.350	503.252	-3102.799	91692.344	7612.086	9930.449
		Structure	296.269	503.183	-3102.052	91696.087	7616.961	9931.311
		Difference	-.081	-.069	.747	3.743	4.875	.862
Max. Difference			-.083	.082	2.928	5.009	5.043	.862
Pile Joint No.			142	142	200	200	152	182
Load Case No.			4	4	4	4	4	4

* * * 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
4	200	Pile Head	375.235	9.845	331.821	.000	-96737.033	5092.360
		Structure	372.907	9.854	331.827	.000	-96742.042	5097.210
		Difference	-2.928	.009	.006	.000	-5.009	4.850
112	112	Pile Head	-1060.654	-229.106	-239.489	-.006	47462.631	-44282.810
		Structure	-1061.391	-229.113	-239.485	-.006	47461.621	-44286.504
		Difference	-.737	-.007	.004	.000	-1.009	-3.695
122	122	Pile Head	-1104.072	7.637	-353.866	-.003	73429.577	2596.864
		Structure	-1104.838	7.630	-353.869	-.003	73432.319	2593.576
		Difference	-.765	-.007	-.003	.000	2.742	-3.288
132	132	Pile Head	-974.654	5.966	-360.732	-.004	79335.152	1796.104
		Structure	-975.394	5.959	-360.737	-.004	79338.575	1792.805
		Difference	-.740	-.007	-.005	.000	3.423	-3.299
142	142	Pile Head	-638.054	250.962	-242.506	-.001	54032.803	57122.460
		Structure	-638.822	250.962	-242.515	-.001	54037.773	57122.814
		Difference	-.768	-.001	-.009	.000	4.971	.355
152	152	Pile Head	2559.026	-126.409	148.002	-.008	-57653.624	-46999.127
		Structure	2558.274	-126.406	148.009	-.008	-57658.428	-46996.775
		Difference	-.752	.004	.007	.000	-4.803	2.352
162	162	Pile Head	2940.545	16.161	195.552	-.005	-86927.884	8568.212
		Structure	2939.771	16.168	195.556	-.005	-86930.557	8573.216
		Difference	-.773	.007	.004	.000	-2.673	5.004
172	172	Pile Head	3095.321	14.116	189.844	-.006	-88107.779	7580.111
		Structure	3094.588	14.123	189.849	-.006	-88111.008	7585.049
		Difference	-.733	.007	.005	.000	-3.229	4.938
182	182	Pile Head	3151.401	146.302	125.355	-.003	-59453.695	70917.575
		Structure	3150.646	146.310	125.354	-.003	-59452.895	70923.730
		Difference	-.755	.009	.000	.000	.800	6.155
Max. Difference			-2.928	.009	-.009	.000	-5.009	6.155
Pile Joint No.			200	200	142	152	200	182
Load Case No.			4	4	4	4	4	4

Thursday 7/28/94 16:48:30

Time For PREP Module	=	0: 3:54
Time For LOAD Module	=	0:11:30
Time For SOLVE Module	=	0:42:48

Total Processing Time	=	0:58:14

8.4.3 WDCOLLP.OT3
(Deflection & Stress Unity Check)

Joint Deflection Report	pp. 1 - 13
Group Summary Report - Three Most Restrictive Members	pp. 14 - 16
Report with Element Stress @ Maximum Unity Check	pp. 17 - 33
(Not Printed	pp. 34 - 67)
Member Group Summary Report.....	pp. 68 - 82
Global Equilibrium Check.....	p. 83
End Page	p. 84

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
1	4	1.2110551	48.0655750	-3.8919309	.0089607	.0005675	.0049786
2	4	1.1546456	49.7655293	-3.9246664	.0090601	.0003062	.0031098
3	4	1.1463079	52.0971124	-4.2933640	.0105788	.0000530	.0039556
4	4	1.0857191	53.5385293	-4.6644967	.0096720	-.0002544	.0021734
5	4	-.7924503	47.9908000	2.2713106	.0086063	.0003397	.0069444
6	4	-.9587031	49.8545914	1.9920841	.0093336	.0008893	.0048398
7	4	-.9052660	51.8414274	2.0278014	.0100495	.0009849	.0053739
8	4	-1.0296064	53.4676977	1.9762190	.0095094	.0010942	.0044454
9	4	1.2264251	46.4307227	-3.9153471	.0101721	-.0000947	.0044136
10	4	1.1885401	48.1097055	-3.9768748	.0102534	.0001847	.0031638
11	4	1.1587545	50.1842120	-4.3370293	.0115115	.0002345	.0037680
13	4	1.1269276	51.8226422	-4.7252270	.0105735	.0005618	.0027028
14	4	-.7547428	46.4143477	2.2414325	.0099209	.0002638	.0055977
15	4	-.7829662	48.1380740	1.9505002	.0105431	.0009009	.0041281
16	4	-.7514454	50.1019641	1.9821116	.0105195	.0006691	.0045166
17	4	-.7968619	51.8029731	1.9104036	.0102850	.0011787	.0041804
18	4	1.2200133	45.5340815	-3.9246051	.0108132	.0000459	.0041848
19	4	1.2066039	47.2092229	-3.9976316	.0108003	.0002715	.0031856
20	4	1.1883353	49.1897709	-4.3543743	.0116701	.0005066	.0036920
21	4	1.1814876	50.8893098	-4.7493873	.0113295	.0006559	.0029172
23	4	-.7260814	45.5339298	2.2295938	.0107291	.0004638	.0050523
24	4	-.7167835	47.2185869	1.9339865	.0109258	.0005623	.0038400
25	4	-.7054770	49.1782656	1.9639580	.0111944	.0003617	.0041694
26	4	-.7136210	50.8899350	1.8842124	.0112111	.0006222	.0040730
27	4	.2400929	45.5421522	-.8597249	.0115763	.0006283	.0031470
28	4	.2798865	47.2108999	-1.0439137	.0110425	.0002897	.0035648

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
29	4	.2692299	49.1854614	-1.1976096	.0118004	.0003303	.0033922
30	4	.2373773	50.9029303	-1.4477796	.0126837	.0007675	.0035368
31	4	2.0496248	47.2780448	-6.7168567	.0113533	.0011991	.0039960
33	4	2.0524215	49.2083773	-7.1873314	.0116313	.0005703	.0032414
34	4	-1.5654395	47.2243103	4.5861546	.0113024	.0001602	.0030693
35	4	-1.5606564	49.1663940	4.7333442	.0117234	-.0007123	.0040927
36	4	1.1957738	48.2230260	-4.1956158	.0114667	.0006999	.0035524
37	4	-.7059053	48.2213849	1.9041002	.0112575	-.0001665	.0035426
38	4	.2443854	48.2222959	-1.1723518	.0112617	.0002670	.0035095
39	4	2.0512594	48.2243665	-7.0151759	.0118069	.0008266	.0035692
40	4	-1.5632546	48.2197785	4.5660704	.0110941	-.0002488	.0035869
41	4	1.2151549	46.3967037	-3.9612544	.0106612	.0001506	.0035751
43	4	-.7250788	46.4009187	2.0639923	.0116083	.0006196	.0035277
44	4	.2435968	46.3991286	-1.0484865	.0111586	.0003892	.0036126
45	4	1.2175906	45.9843443	-3.9436412	.0108226	.0001713	.0034687
46	4	1.2108090	46.8284467	-3.9767915	.0109782	.0001752	.0035592
47	4	-.7255909	46.0140259	2.1499513	.0109129	.0007331	.0032984
48	4	-.7208806	46.8298406	1.9901733	.0114472	.0005709	.0035747
49	4	1.2080497	47.0947972	-3.9932067	.0107313	.0002017	.0034241
50	4	-.7182096	47.0973586	1.9497294	.0112478	.0004423	.0034322
51	4	.2451361	47.0970390	-1.0865067	.0109909	.0003212	.0036307
53	4	2.0493631	47.0985067	-6.6649637	.0111938	.0011659	.0040472
54	4	-1.5657986	47.0952437	4.5915843	.0109565	.0001078	.0029612
55	4	1.2011546	47.7038718	-4.0904594	.0112249	.0008100	.0039265
56	4	-.7113125	47.7301567	1.9023449	.0112325	.0000882	.0037179
57	4	1.1920458	48.7017443	-4.2789654	.0116149	.0005807	.0035570

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
58	4	-.7056363	48.6789571	1.9395526	.0114471	-.0003182	.0033918
59	4	1.1886428	49.3319600	-4.3849142	.0114894	.0008155	.0035532
60	4	-.7076391	49.3363851	1.9491522	.0120006	.0001777	.0037355
61	4	.2451638	49.3339178	-1.3326638	.0117307	.0000240	.0034457
63	4	2.0525953	49.3347514	-7.2109647	.0118144	.0005970	.0031837
64	4	-1.5602726	49.3340247	4.7604582	.0116474	-.0006605	.0041436
65	4	1.1871195	49.6176061	-4.4502262	.0115434	.0008363	.0035806
66	4	1.1825812	50.0444930	-4.5565384	.0114687	.0008649	.0035132
67	4	1.1820134	50.4854268	-4.6609628	.0114394	.0008121	.0036572
68	4	-.7075938	49.6278765	1.9371024	.0115897	.0001484	.0035617
69	4	-.7075494	50.0487294	1.9191247	.0124477	.0001767	.0034873
70	4	-.7105777	50.4515399	1.9088317	.0118121	.0000690	.0033873
71	4	.2393542	50.0469906	-1.4202869	.0119958	.0005288	.0035002
73	4	1.2344394	44.4714997	-3.9331245	.0112117	.0002033	.0040326
74	4	1.2363579	46.1515535	-4.0086920	.0110879	.0003446	.0032779
75	4	1.2417918	48.0668661	-4.3630410	.0116957	.0005858	.0036530
76	4	1.2431195	49.7720338	-4.7746973	.0118408	.0006668	.0030320
77	4	-.6748457	44.4739206	2.2209839	.0112312	.0005742	.0047309
78	4	-.6715731	46.1570262	1.9233954	.0111221	.0004179	.0037586
79	4	-.6763913	48.0767578	1.9555969	.0116444	.0002465	.0039948
80	4	-.6756164	49.7741142	1.8587712	.0118686	.0002939	.0039771
81	4	1.2515641	43.6570124	-3.9409870	.0113049	.0002230	.0038928
83	4	1.2633773	45.3514585	-4.0189198	.0109959	.0004023	.0033627
84	4	1.2854589	47.2254048	-4.3710408	.0116512	.0006067	.0036172
85	4	1.2935300	48.9082120	-4.7981887	.0120520	.0007708	.0031375
86	4	-.6314049	43.6551879	2.2130371	.0113928	.0006044	.0044358

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
87	4	-.6442407	45.3533341	1.9136045	.0111373	.0003782	.0036839
88	4	-.6623298	47.2292598	1.9478816	.0117920	.0001463	.0038345
89	4	-.6587424	48.9066321	1.8351578	.0120678	.0002945	.0038891
90	4	.7731467	43.6532814	-2.3987756	.0114311	.0003461	.0032899
91	4	.8138107	45.0403782	-2.5232216	.0110428	.0003780	.0034543
92	4	.8189397	46.8915552	-2.7793240	.0117759	.0004913	.0035691
93	4	.8477653	48.8996290	-3.1123722	.0125009	.0006664	.0034480
94	4	.3450406	43.6523897	-.8589560	.0114266	.0004385	.0031568
95	4	.3418403	45.0397062	-1.0425665	.0109558	.0003720	.0035368
96	4	.3366699	46.8914420	-1.1963910	.0117108	.0003701	.0035917
97	4	.3665495	48.8988905	-1.4441480	.0123355	.0005534	.0036634
98	4	-.0998562	43.6515161	.6846913	.0113653	.0005172	.0035413
99	4	-.1409174	45.0390251	.4365873	.0109304	.0003699	.0036135
101	4	.3947541	57.5324433	-3.6629848	-.0307193	.0002491	.0030755
102	4	1.0918133	58.5309980	-3.7875556	-.0304432	.0008697	.0048952
103	4	-1.3735728	57.4694938	1.5265282	-.0283140	-.0010896	.0022935
104	4	-2.4140343	59.7806863	1.5473467	-.0296145	.0005322	.0022520
105	4	-.1529462	46.8913452	.3822526	.0116266	.0002509	.0036776
106	4	-.1382934	48.8979946	.2175760	.0121223	.0004245	.0038011
107	4	1.5382453	45.0381752	-4.8656033	.0108689	.0004013	.0033779
108	4	1.5840047	46.8912959	-5.2724103	.0115617	.0005919	.0036086
109	4	-.9202415	45.0382007	2.7915301	.0112540	.0003829	.0036795
110	4	-.9555236	46.8931032	2.8669640	.0117844	.0001716	.0038176
111	4	.7272950	41.8265996	-2.1070926	-.0243794	.0010502	.0096485
112	4	.5475319	41.6439800	-3.9160235	-.0444106	.0013816	.0105015
113	4	1.2511055	44.1512120	-3.9448042	.0110903	.0001015	.0038345

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
114	4	1.2530554	44.5867818	-3.9602873	.0108279	.0001158	.0034490
115	4	.7198114	43.6378146	-2.0490350	-.0255580	-.0005813	.0008332
116	4	1.2550808	44.9823182	-3.9737764	.0109985	.0002441	.0032211
117	4	1.2760023	45.8156947	-4.0927766	.0112654	.0006704	.0035066
118	4	1.2796569	46.2839754	-4.1932143	.0115761	.0006843	.0034456
119	4	1.2832712	46.7493056	-4.2771343	.0116341	.0006563	.0034738
120	4	1.2963178	47.6719519	-4.4473844	.0116545	.0007660	.0037012
121	4	.7015350	44.0434782	-2.2694420	-.0266311	.0027131	.0037613
122	4	.7014325	43.8591386	-4.0713475	-.0463097	.0007490	.0030630
123	4	-.2541997	44.5295101	-13.8896365	.0624152	.0235266	.0015579
124	4	-.2651379	45.0768967	-13.6396279	.0640061	-.0256629	.0032070
125	4	.6639311	44.7995180	-4.0211927	-.0487720	.0001867	.0018162
126	4	1.2973257	48.1205939	-4.5350562	.0114449	.0008751	.0036915
127	4	1.2981810	48.5492560	-4.6610587	.0116981	.0009764	.0033587
128	4	-.6292974	44.1631488	2.1499638	.0112390	.0006219	.0036982
129	4	-.6334836	44.5415151	2.0649607	.0108123	.0006630	.0030378
130	4	-.6377483	44.9274817	1.9914627	.0110683	.0006059	.0035581
131	4	.6262015	45.3164612	-2.4308154	-.0257693	-.0018208	.0036730
132	4	.6261294	45.1312299	-4.2400102	-.0467165	.0008972	.0039551
133	4	-.6571935	45.8402919	1.9062205	.0112789	.0000078	.0035305
134	4	-.6635093	46.3011173	1.9059498	.0115130	-.0001010	.0033359
135	4	.6238430	46.5959152	-2.5488804	-.0250258	.0014192	.0023832
136	4	-.6697187	46.7502714	1.9357028	.0115412	-.0001961	.0033893
137	4	-.6651923	47.6764648	1.9379704	.0116938	.0001284	.0034000
138	4	-.6652797	48.0529419	1.9206886	.0116096	.0001149	.0032080
139	4	-.6652807	48.4720538	1.9064858	.0117231	.0003251	.0038315

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
140	4	1.2748296	45.0386067	-4.0186876	.0109698	.0003997	.0033776
141	4	.6212526	46.7237449	-2.7911325	-.0242091	-.0011192	-.0014882
142	4	.7818701	46.5597142	-4.4091975	-.0485870	.0001809	-.0039753
143	4	-.6632299	44.5215587	.0644071	.0890418	.0314941	.0026916
144	4	-.6562056	45.0725740	.6307115	.0910081	-.0343049	.0021221
145	4	-.6850259	41.9003476	16.2664746	.0095837	.0132125	.0026338
146	4	-.6534301	45.3939645	15.5800338	.0136557	-.0284909	.0004600
147	4	-.6334052	45.0375995	1.9138669	.0111109	.0003786	.0036754
148	4	-.6955401	46.8202177	16.5485055	.0101277	-.0138061	.0016692
149	4	1.3026324	46.8917339	-4.3708307	.0116627	.0005934	.0036063
150	4	-.6579863	46.8926712	1.9480243	.0117463	.0001604	.0038092
151	4	-2.0587947	41.8347179	.5106211	-.0401053	.0000260	.0039821
152	4	-1.7670865	41.5412795	3.4451654	-.0462651	-.0022201	.0126560
153	4	.3112500	44.4992476	-1.0721657	.0111329	.0003998	.0033626
154	4	.3112537	46.2797821	-1.2728508	.0112692	.0002731	.0034702
155	4	-.6670000	44.1037601	15.0545878	.0136471	.0292407	.0040035
156	4	.3134195	48.0665301	-1.4471713	.0120195	.0005627	.0035342
159	4	-2.0633264	43.2933174	.5581520	-.0380259	.0000138	.0027117
161	4	-2.0674525	44.0252912	.2293330	-.0361326	.0023116	.0019250
162	4	-2.0672031	43.7094035	3.3507422	-.0476101	-.0016878	.0048895
163	4	-1.0563267	44.5134527	11.9585269	.0450984	.0152487	.0020556
164	4	-1.0515058	45.0680739	12.7677280	.0456528	-.0194317	.0027499
165	4	-2.0258982	44.7875794	.8992599	-.0492276	-.0002294	.0025670
171	4	-1.9859734	45.3283714	.1495445	-.0386750	-.0011116	.0022297
172	4	-1.9857584	44.9974599	3.4211527	-.0493132	-.0018403	.0054253
175	4	-1.9642599	46.3655443	.2666333	-.0406650	.0000221	.0024387

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
181	4	-1.9404111	46.7521478	.3769416	-.0428506	-.0007591	-.0003954
182	4	-2.2316354	46.4584380	3.3111623	-.0502390	-.0014364	-.0016617
199	4	-.6502743	44.7595878	-1.1848939	.0893882	-.0025192	.0024030
200	4	-.6501160	44.7563035	-.0920438	-.0440572	.0000088	.0000000
201	4	-.7337104	62.9532120	-1.7667328	.0057674	-.0004582	.0034582
202	4	.7455195	63.1041769	-4.1805014	.0061073	-.0000692	.0035597
203	4	.6253792	63.8459976	-4.2352178	.0055417	.0006256	.0052557
204	4	-1.1725964	63.5584388	-1.6737348	.0096120	-.0001517	.0025523
205	4	.7220105	62.7837540	-4.1624143	.0062965	-.0000649	.0036009
206	4	.6338118	63.5847942	-4.2167523	.0048765	.0007228	.0053130
207	4	-2.2173325	63.7730856	2.2374162	.0084932	-.0001895	.0022087
208	4	-1.9762697	65.2673119	2.2524286	.0087914	-.0006862	.0020197
211	4	.7434692	61.8658365	-4.1852659	-.0125009	.0008080	.0078426
212	4	.5837544	61.7059430	-5.7938922	-.0126820	.0007804	.0073887
221	4	.7357122	63.8742667	-4.2184226	-.0082348	.0012537	.0031945
222	4	.7357621	63.7032994	-5.9199530	-.0129572	.0002941	.0031085
223	4	.1994404	64.1513359	-3.2561374	.0158476	-.0005777	.0026719
224	4	.1905524	64.7624988	-3.0673328	.0146582	-.0001924	.0027362
225	4	.7665371	64.4552059	-4.6553025	-.0023349	.0000014	.0009850
231	4	.7590711	64.8743961	-4.3385350	-.0084458	-.0007036	.0052087
232	4	.7590950	64.6998709	-6.0767031	-.0125915	.0004663	.0039982
241	4	.8291634	67.8166112	-4.9343731	-.0181084	.0020777	.0014103
242	4	.9768095	67.6692247	-6.4203295	-.0147835	.0003484	-.0006117
243	4	-.2862468	64.1319830	-.3404070	.0184170	-.0003716	.0028959
244	4	-.2864243	64.7863718	-.4569664	.0161428	.0006116	.0027325
251	4	-1.9011787	62.1950591	2.5235257	-.0123466	.0004024	.0035917

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (in)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
252	4	-1.6392324	61.9329818	5.1613529	-.0120413	-.0002419	.0094314
253	4	-.0861327	63.6944007	-1.9081304	.0098353	-.0017990	.0021010
254	4	-.2903670	63.6506611	-.8197939	.0136396	-.0021696	.0026215
255	4	-.2923651	65.1932016	-.5245528	.0146127	.0001898	.0024109
261	4	-1.9113420	63.3834895	2.1131094	-.0136935	-.0021522	.0028617
262	4	-1.9114742	63.0999242	4.9368552	-.0118667	.0002339	.0050817
263	4	-.7396129	64.1126120	2.5356781	.0151881	.0003705	.0027775
264	4	-.7270385	64.8101790	2.0504751	.0133743	.0014241	.0030124
265	4	-1.9340554	64.4603917	2.6650815	-.0069274	.0005985	.0044073
271	4	-1.9875054	65.4954655	2.1165050	-.0104310	.0009163	.0020113
272	4	-1.9876152	65.1988263	5.0696443	-.0122409	-.0000335	.0056060
281	4	-2.0085098	67.3850683	2.4385410	-.0082040	.0003189	.0004712
282	4	-2.2523862	67.1317354	4.9928510	-.0138203	.0002926	.0021530
299	4	-.2408182	64.4868128	-.3897917	.0171808	.0005534	.0028290
300	4	-.2409124	64.4887809	-.1003241	-.0192416	.0007387	.0000000
301	4	-.6131731	59.3286914	-1.3033143	.0063069	.0013204	.0034564
302	4	.8831010	59.3722409	-4.0123370	.0054316	.0013572	.0033672
303	4	.8747486	61.6837669	-4.2742030	.0043574	.0010890	.0047315
304	4	-.5798295	61.7567901	-2.0047073	.0064209	.0013905	.0033654
311	4	.7849558	58.7875625	-3.9551463	.0127514	.0007070	.0060573
312	4	.7716673	61.8625013	-5.6451872	.0099837	.0008549	.0051147
321	4	.6678017	61.0934948	-4.0648336	.0064521	.0005903	.0038031
322	4	.8662665	64.0122828	-5.7623045	.0088346	.0006590	.0030720
331	4	.7200589	62.4971858	-4.1469926	.0045314	.0009407	.0056630
332	4	.8451834	65.3037195	-5.9637795	.0076959	.0006087	.0039840
341	4	1.5722082	70.5975300	-5.3932699	.0072696	.0008585	.0030692

* * * Joint Deflection Report * * *

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
342	4	1.4544361	69.4289468	-6.4354133	.0064807	.0011284	.0014367
343	4	-.8249939	61.0728086	-1.5249080	.0063820	.0006895	.0033844
346	4	-1.2677422	62.6193144	-1.6279159	.0061217	.0009258	.0027001
351	4	-1.6963531	62.3782285	2.8156237	.0104873	-.0003669	.0035303
352	4	-1.4287335	61.8330553	4.7136929	.0105116	-.0005782	.0071425
361	4	-2.0389348	61.0494510	2.0276501	.0103590	.0012020	.0018109
362	4	-1.6988428	63.4826529	4.4999951	.0078529	-.0004233	.0050160
371	4	-2.0236354	62.6876485	2.1058543	.0089214	.0000977	.0020541
372	4	-1.8166015	65.3257179	4.5817987	.0086359	-.0004413	.0055652
381	4	-1.8045094	63.5272521	2.1497534	.0069727	.0001002	.0001394
382	4	-2.0619529	68.7911263	4.6640448	.0055953	-.0002530	.0040401
411	4	1.0115910	55.5315054	-3.9737378	.0032071	.0004648	.0069088
412	4	.9248011	55.4453214	-4.8475589	.0106543	.0006366	.0050695
421	4	1.0449549	57.9301652	-3.9753541	.0063791	.0001537	.0030578
422	4	1.0449373	57.8309548	-4.9679999	.0102280	.0005173	.0030862
423	4	.1950286	58.6144512	-2.8614592	.0111184	.0021122	.0037386
424	4	.1709969	59.4372623	-3.4906534	.0128872	.0012229	.0036641
425	4	1.0041846	59.0208416	-4.4735714	.0045160	.0011728	.0039480
431	4	.9945267	59.9827532	-4.3078377	.0053977	.0005704	.0040968
432	4	.9945364	59.8864761	-5.2714131	.0088028	.0007188	.0039729
441	4	1.7536486	63.8816417	-4.9300612	.0118828	.0003783	.0026797
442	4	1.8328384	63.8027607	-5.7281177	.0107669	.0003056	.0019476
443	4	-.4080952	58.0061912	-.7593826	.0097320	.0002711	.0039385
446	4	-.4087186	59.8775585	-1.1069221	.0105873	-.0000511	.0032990
451	4	-1.5537059	55.4389767	2.3742832	.0109074	.0001080	.0056007
452	4	-1.4239185	55.3097610	3.6806369	.0111237	-.0005357	.0070856

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
461	4	-1.6535361	58.0598863	2.0823496	.0042874	-.0001231	.0034015
462	4	-1.6535224	57.9168979	3.5093042	.0095997	-.0002963	.0050287
463	4	-1.0290937	58.6220733	1.0108954	.0112309	.0000204	.0035492
464	4	-1.0136980	59.4153683	1.1828138	.0132481	.0000830	.0034787
465	4	-1.7018255	59.0173010	2.3905037	.0040912	-.0000324	.0028558
471	4	-1.7430378	59.7166862	2.0318957	.0048594	-.0003309	.0045152
472	4	-1.7430376	59.5648430	3.5482375	.0091421	-.0003274	.0055766
481	4	-1.7489438	63.7825484	2.3898884	.0014189	.0000691	.0010073
482	4	-1.8788956	63.6529000	3.6980177	.0099410	-.0000856	.0044914
499	4	-.4276833	59.0762586	-1.0763398	.0133111	.0010441	.0035868
500	4	-.4276602	59.0802116	-.1400600	.0036535	-.0001030	.0000000
501	4	-1.4251705	55.6739802	2.1708786	.0105354	.0009703	.0048136
502	4	1.1782435	55.8101509	-4.3884730	.0090597	.0007233	.0046688
503	4	.9549149	53.0016693	-3.9628316	.0081268	.0013571	.0037296
504	4	-1.2664083	52.9027688	2.0455418	.0080563	.0002652	.0039988
505	4	-1.7465383	58.7019177	2.1312065	.0036767	-.0002963	.0041966
506	4	.9913271	58.8518775	-4.4050822	.0045154	.0004058	.0047536
507	4	.8837623	56.3261794	-4.0023648	.0064546	-.0003510	.0038293
508	4	-1.5579836	56.5639711	2.0937526	.0071736	.0001900	.0031520
511	4	.6735674	53.2390979	-3.9898188	.0088026	.0007269	.0064867
512	4	.9829418	51.8395586	-4.3376115	.0063004	.0006653	.0055019
521	4	.8066759	54.6462359	-3.9916159	.0076821	.0006954	.0043514
522	4	1.0924217	53.9366116	-4.4189903	.0066266	.0003500	.0031029
531	4	1.0541468	57.5340272	-4.4389986	.0072487	.0013758	.0052273
532	4	1.1450727	56.5433407	-4.7949676	.0060560	.0006123	.0039836
541	4	1.5417571	59.1228803	-4.8042969	.0088085	-.0006912	.0021039

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
542	4	1.5858265	58.8538627	-5.1601819	.0092305	-.0006684	.0018914
551	4	-1.2866000	52.0151973	2.3649861	.0064176	-.0002364	.0069194
552	4	-1.2577221	51.5916498	2.9550242	.0065797	-.0001291	.0075805
561	4	-1.4033429	54.5982080	2.0384265	.0090568	.0005351	.0029463
562	4	-1.4418927	54.0820848	2.7405526	.0068205	.0001396	.0050722
571	4	-1.6455001	57.4838415	2.1867803	.0070961	.0002798	.0039718
572	4	-1.5205299	56.2152992	2.8071788	.0059115	.0001649	.0056258
581	4	-1.6108129	59.4264793	2.1570459	.0122112	.0003418	.0026952
582	4	-1.5767823	58.8163715	2.8268214	.0090364	.0002851	.0044380
611	4	1.1300710	49.1007748	-3.9202560	.0091764	.0013132	.0052143
612	4	1.1282254	49.0978322	-3.9422239	.0085376	.0011353	.0052311
621	4	1.1256763	50.8425404	-3.9430521	.0092760	.0005417	.0030843
622	4	1.1257586	50.8392899	-3.9697623	.0086383	.0004677	.0030912
623	4	.6763992	51.6540932	-3.1817839	.0125097	-.0003091	.0042797
624	4	.6738300	52.6466808	-3.0120884	.0120988	-.0006778	.0044883
625	4	1.1411828	52.1468912	-4.3647445	.0109512	.0003081	.0047814
626	4	.4654330	51.6540061	-2.5600602	.0126185	-.0001439	.0043354
628	4	.4484048	52.6462839	-2.4149089	.0119772	-.0005137	.0044384
631	4	1.1599720	53.3483766	-4.3273175	.0106323	.0001892	.0040458
632	4	1.1599016	53.3451095	-4.3507243	.0098412	.0002044	.0040244
641	4	1.1714183	54.7335357	-4.6827407	.0103397	-.0006410	.0019308
642	4	1.1732347	54.7313739	-4.7031848	.0098646	-.0007278	.0019608
643	4	-.0212747	50.9189779	-1.0332789	.0118721	.0002616	.0041942
646	4	-.0229403	53.2252123	-1.2091513	.0120221	.0010199	.0034973
651	4	-.9032984	48.9726912	2.3322167	.0086259	.0005564	.0075521
652	4	-.8995403	48.9684032	2.3672753	.0082013	.0004906	.0074803

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
661	4	-1.0783557	50.9533638	2.0564350	.0088451	.0004748	.0051770
662	4	-1.0783602	50.9487240	2.0960135	.0086132	.0005337	.0051117
663	4	-.6659946	51.6613878	1.1489744	.0124809	.0006327	.0032087
664	4	-.6637551	52.6343598	.9824399	.0119369	.0004539	.0032665
665	4	-1.0872192	52.1446531	2.2169738	.0102172	-.0000341	.0037465
666	4	-.5158978	51.6597879	.5272657	.0126792	.0004675	.0034481
668	4	-.5072159	52.6355089	.3916931	.0119294	.0003675	.0034135
671	4	-1.0615744	53.0893673	2.1034129	.0107786	.0009455	.0057794
672	4	-1.0614383	53.0837559	2.1447964	.0099586	.0008844	.0056978
681	4	-1.1492022	54.6794243	2.0562530	.0098896	.0006337	.0045849
682	4	-1.1533847	54.6750108	2.0957939	.0097504	.0005820	.0045391
699	4	-.0320685	52.1893542	-1.0374530	.0124072	-.0000499	.0042709
700	4	-.0320757	52.1923558	-.1518649	.0279411	.0006892	.0000000
712	4	1.1507164	48.8391039	-3.9085871	.0088493	.0011689	.0051966
722	4	1.1313172	50.5625272	-3.9317908	.0089173	.0004794	.0030900
732	4	1.1527580	53.0265491	-4.3096632	.0102598	.0001687	.0040280
742	4	1.1428268	54.4142531	-4.6681116	.0099620	-.0006966	.0019674
752	4	-.8606375	48.7289464	2.3183393	.0084679	.0005342	.0074580
762	4	-1.0451004	50.6741404	2.0444231	.0088546	.0005633	.0051146
772	4	-1.0142298	52.7600410	2.0869696	.0103989	.0009369	.0057030
782	4	-1.1191412	54.3536842	2.0409072	.0098289	.0006124	.0045500
811	4	1.1709501	48.5430468	-3.8850816	.0088248	.0009544	.0051221
821	4	1.1357203	50.2475743	-3.9094633	.0088824	.0004098	.0030961
831	4	1.1427028	52.6601248	-4.2806396	.0103159	.0001132	.0040033
841	4	1.1082419	54.0593639	-4.6468211	.0097434	-.0005881	.0020390
851	4	-.8138535	48.4495555	2.2800348	.0084999	.0004825	.0072863

*** Joint Deflection Report ***

Joint Number	Load Cond	Deflections (In)			Rotations (Rad)		
		X	Y	Z	X	Y	Z
861	4	-1.0029518	50.3491797	2.0042046	.0090460	.0007027	.0050205
871	4	-.9589380	52.3866880	2.0411132	.0102663	.0009690	.0055916
881	4	-1.0816990	53.9828269	1.9953699	.0097169	.0007566	.0045127
900	4	.0474423	49.0198689	-.1520318	.0274204	.0006892	.0000000
Max. Def.		-2.4140343	70.5975300	16.5485055	.0910081	-.0343049	.0126560
Joint No.		104	341	148	144	144	152
Load Case		4	4	4	4	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					
165	531- 641	1.17	4	571- 661	.63	4	511- 621	.60	4	6	0	1	3	2
185	441- 531	.66	4	471- 581	.49	4	421- 511	.42	4	8	0	0	1	7
203	331- 441	.56	4	361- 451	.55	4	0- 0	.00	0	2	0	0	2	0
205	561- 621	1.12	4	581- 641	.92	4	441- 581	.74	4	12	0	1	4	7
243	146- 271	2.27	4	155- 261	2.17	4	148- 281	1.95	4	13	4	0	4	5
245	304- 471	1.30	4	361- 301	1.02	4	331- 304	.98	4	10	0	2	3	5
263	131- 241	.38	4	161- 251	.35	4	0- 0	.00	0	2	0	0	0	2
265	251- 311	24.00	4	271- 204	2.38	4	221- 201	1.56	4	10	3	2	1	4
J08	155- 143	5.88	4	144- 146	5.81	4	124- 146	5.48	4	6	6	0	0	0
J11	124- 102	143.16	4	123- 101	143.15	4	164- 104	2.43	4	4	4	0	0	0
J12	123- 124	.77	4	163- 164	.65	4	0- 0	.00	0	2	0	0	2	0
J16	125- 124	3.39	4	123- 125	3.34	4	124- 131	3.33	4	8	8	0	0	0
J20	124- 144	2.45	4	123- 143	2.43	4	144- 164	2.39	4	16	4	0	4	8
J24	141- 148	3.40	4	111- 145	3.28	4	131- 146	3.20	4	8	8	0	0	0
J25	148- 131	1.40	4	121- 145	1.23	4	171- 148	.33	4	4	1	1	0	2
K08	254- 263	.32	4	223- 254	.22	4	254- 243	.21	4	6	0	0	0	6
K11	265- 271	.27	4	225- 231	.22	4	261- 265	.20	4	4	0	0	0	4
K12	263- 264	.16	4	223- 224	.08	4	0- 0	.00	0	2	0	0	0	2
K13	261- 263	.80	4	263- 207	.65	4	263- 265	.60	4	12	0	0	7	5
K18	271- 281	.18	4	211- 221	.17	4	0- 0	.00	0	2	0	0	0	2
K20	243- 263	.29	4	244- 264	.26	4	223- 243	.26	4	4	0	0	0	4
K24	241- 281	2.70	4	241- 271	1.47	4	254- 261	1.36	4	9	3	4	2	0
L20	346- 371	.53	4	331- 346	.21	4	0- 0	.00	0	2	0	0	1	1
L24	331- 381	142.43	4	311- 361	.29	4	0- 0	.00	0	2	1	0	0	1
L25	343- 361	.13	4	321- 343	.08	4	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	111- 211	1.58	4	211- 311	1.47	4	141- 241	1.40	4	14	5	2	7	0
LG3	261- 207	1.55	4	271- 208	1.54	4	251- 351	1.03	4	20	2	3	12	3
LG4	101- 221	2.76	4	102- 231	2.74	4	104- 271	1.70	4	20	4	0	16	0
LG7	231- 203	1.56	4	221- 202	1.41	4	621- 722	.53	4	14	2	0	2	10
MO8	424- 446	.47	4	446- 464	.34	4	443- 423	.21	4	4	0	0	0	4
MO9	424- 506	.42	4	464- 505	.34	4	463- 508	.26	4	4	0	0	0	4
M10	464- 471	1.14	4	424- 431	.54	4	425- 424	.43	4	8	0	1	1	6
M11	465- 471	.31	4	421- 425	.27	4	461- 465	.25	4	4	0	0	0	4
M12	423- 424	.19	4	463- 464	.10	4	0- 0	.00	0	2	0	0	0	2
M14	471- 481	.35	4	411- 421	.25	4	0- 0	.00	0	2	0	0	0	2
M18	446- 471	.50	4	441- 481	.43	4	431- 446	.35	4	6	0	0	0	6
M20	441- 471	143.54	4	421- 451	1.08	4	0- 0	.00	0	2	1	1	0	0
M21	464- 424	.16	4	463- 423	.07	4	0- 0	.00	0	2	0	0	0	2
M16	531- 571	.25	4	521- 561	.17	4	0- 0	.00	0	2	0	0	0	2
M20	511- 561	.85	4	531- 581	.70	4	0- 0	.00	0	2	0	0	2	0
PO8	626- 643	.33	4	643- 666	.29	4	628- 646	.16	4	4	0	0	0	4
P10	666- 661	.54	4	621- 626	.49	4	668- 671	.38	4	12	0	0	1	11
P12	651- 661	.79	4	671- 681	.46	4	665- 671	.23	4	8	0	0	1	7
P14	611- 651	.54	4	646- 671	.53	4	631- 646	.41	4	6	0	0	2	4
P16	663- 664	.14	4	666- 668	.14	4	626- 628	.11	4	4	0	0	0	4
P18	641- 671	.36	4	621- 651	.29	4	0- 0	.00	0	2	0	0	0	2
P21	666- 663	.14	4	668- 664	.09	4	626- 666	.08	4	6	0	0	0	6
PL2	182- 282	1.17	4	172- 272	1.12	4	162- 262	1.09	4	8	0	3	5	0
PL3	272- 372	1.18	4	282- 382	1.12	4	262- 362	1.10	4	8	0	4	4	0
PL4	382- 482	.83	4	372- 472	.79	4	362- 462	.76	4	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	472- 572	.75	4	462- 562	.68	4	452- 552	.66	4	8	0	0	4	4
PL6	572- 672	.76	4	562- 662	.64	4	582- 682	.63	4	8	0	0	4	4
PL7	672- 772	.73	4	662- 762	.61	4	682- 782	.59	4	8	0	0	4	4
PL8	742- 841	.31	4	782- 881	.31	4	762- 861	.23	4	8	0	0	0	8
SIM	123- 199	1.44	4	124- 199	1.40	4	199- 164	1.28	4	16	2	2	0	12
CH2	300- 500	.86	4	500- 700	.86	4	700- 900	.11	4	3	0	0	2	1
CH1	200- 300	.52	4	0- 0	.00	0	0- 0	.00	0	1	0	0	1	0
TL1	881- 8	.35	4	841- 4	.31	4	821- 2	.26	4	8	0	0	0	8
TL2	8- 17	.37	4	4- 13	.33	4	2- 10	.28	4	20	0	0	0	20
TL3	17- 26	.36	4	13- 21	.29	4	26- 80	.28	4	16	0	0	0	16
Total Active Steel Members										424	58	27	106	233

*** 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 Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
511- 621	165	.595	.223	.035	.370	4	55.22	234.95	-47.78	-171.25	1830.47	.000	0	.000	0
521- 631	165	.421	.062	.071	.351	4	.00	-30.25	51.28	-349.77	1735.98	.000	0	.000	0
531- 641	165	1.168	.568	.012	.599	4	52.56	-303.98	-3.77	-30.27	1556.67	.000	0	.000	0
561- 651	165	.543	.213	.094	.316	4	.00	224.29	93.07	466.61	-1559.84	.000	0	.000	0
571- 661	165	.633	.243	.068	.384	4	55.87	-117.96	-14.54	301.18	-1689.81	.000	0	.000	0
581- 671	165	.498	.126	.092	.360	4	.00	-62.38	78.16	456.16	-1779.87	.000	0	.000	0
321- 431	185	.237	.070	.002	.167	4	63.28	-38.34	-15.98	-12.48	1052.19	.000	0	.000	0
451- 561	185	.398	.081	.083	.306	4	.00	-45.55	-104.11	523.01	1932.61	.000	0	.000	0
461- 571	185	.345	.120	.076	.212	4	.00	142.00	81.12	480.39	1339.97	.000	0	.000	0
471- 581	185	.486	.198	.076	.278	4	.00	235.67	133.74	480.37	1753.74	.000	0	.000	0
371- 461	185	.253	.060	.061	.182	4	.00	71.74	132.92	384.59	-1152.70	.000	0	.000	0
421- 511	185	.420	.140	.066	.272	4	.00	-85.28	25.30	-414.21	-1720.77	.000	0	.000	0
431- 521	185	.256	.039	.049	.212	4	.00	-23.07	-49.41	-310.07	-1339.16	.000	0	.000	0
441- 531	185	.655	.372	.076	.272	4	.00	442.29	170.65	-479.87	-1720.45	.000	0	.000	0
331- 441	203	.565	.234	.071	.323	4	.00	233.57	98.49	-411.47	1878.46	.000	0	.000	0
361- 451	203	.548	.243	.086	.293	4	.00	242.85	78.20	499.37	-1702.23	.000	0	.000	0
253- 201	205	.623	.001	.621	.025	4	.00	1.93	170.18	-4884.45	194.83	.000	0	.000	0
311- 421	205	.341	.097	.032	.242	4	.00	128.74	-275.72	-255.47	1902.20	.000	0	.000	0
231- 321	205	.154	.020	.014	.133	4	67.08	-13.27	-439.07	-108.64	-1044.58	.000	0	.000	0
346- 304	205	.363	.024	.339	.014	4	.00	-27.57	48.02	2668.69	110.16	.000	0	.000	0
261- 371	205	.266	.066	.056	.191	4	.00	-43.63	570.76	-444.49	-1506.46	.000	0	.000	0
421- 561	205	.734	.669	.059	.028	4	69.00	884.78	9.70	-465.03	-218.82	.000	0	.000	0
441- 581	205	.743	.565	.166	.063	4	.00	747.59	-1.61	-1308.07	494.26	.000	0	.000	0
381- 471	205	.297	.106	.055	.182	4	.00	140.80	185.43	430.24	-1433.30	.000	0	.000	0
511- 651	205	.412	.174	.169	.168	4	59.55	230.35	23.45	-1327.14	1320.34	.000	0	.000	0

*** 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
531- 671	205	.386	.240	.139	.047	4	59.44	317.37	-.46	-1091.55	372.31	.000	0	.000	0
561- 621	205	1.117	.749	.360	.079	4	59.44	-575.42	3.70	1089.53	-240.15	.000	0	.000	0
581- 641	205	.917	.585	.311	.116	4	.00	-448.49	20.54	1362.13	510.08	.000	0	.000	0
145- 251	243	1.822	.236	1.493	.537	4	.00	283.80	-446.87	-12206.35	4393.65	.000	0	.000	0
146- 271	243	2.267	.394	1.734	.710	4	.00	473.65	975.57	-14178.17	-5807.10	.000	0	.000	0
155- 261	243	2.172	.393	1.621	.734	4	.00	473.00	-1018.53	-13252.94	5998.92	.000	0	.000	0
201- 321	243	.114	.072	.042	.004	4	.00	86.92	-54.84	339.76	32.49	.000	0	.000	0
231- 204	243	.918	.379	.536	.057	4	.00	455.15	-69.93	4383.40	-462.60	.000	0	.000	0
148- 281	243	1.947	.242	1.621	.531	4	.00	291.02	460.58	-13253.47	-4339.33	.000	0	.000	0
251- 361	243	.781	.463	.061	.312	4	76.08	-302.22	759.23	330.38	1698.27	.000	0	.000	0
304- 431	243	.279	.175	.103	.004	4	35.87	-175.95	115.01	938.87	-33.59	.000	0	.000	0
221- 311	243	.392	.299	.074	.056	4	72.39	-206.52	-657.50	519.92	-394.39	.000	0	.000	0
311- 451	243	.728	.491	.225	.075	4	.00	589.92	-40.78	-1840.79	-612.34	.000	0	.000	0
321- 301	243	.125	.093	.021	.024	4	.00	-88.33	37.27	-174.38	-197.36	.000	0	.000	0
241- 331	243	.535	.168	.038	.366	4	76.08	201.43	-680.74	307.61	-2989.16	.000	0	.000	0
271- 381	243	.470	.233	.059	.230	4	72.39	279.58	565.13	480.35	1879.04	.000	0	.000	0
201- 343	245	.148	.115	.004	.033	4	25.88	183.51	7.77	-44.24	-367.52	.000	0	.000	0
202- 201	245	.306	.282	.024	.001	4	35.45	-379.87	-54.09	284.99	14.87	.000	0	.000	0
203- 204	245	.751	.487	.262	.021	4	40.60	-631.81	-94.35	2792.70	-218.91	.000	0	.000	0
301- 343	245	.150	.113	.025	.027	4	23.37	180.13	28.34	-279.30	307.70	.000	0	.000	0
301- 421	245	.719	.671	.005	.048	4	39.52	-877.60	88.41	52.33	-468.04	.000	0	.000	0
302- 301	245	.146	.081	.064	.011	4	.00	-109.58	-5.12	721.59	122.88	.000	0	.000	0
303- 304	245	.256	.133	.118	.036	4	.00	211.49	48.24	1333.08	-405.06	.000	0	.000	0
331- 304	245	.985	.883	.102	.003	4	39.52	1408.03	-123.20	1145.57	28.33	.000	0	.000	0
304- 471	245	1.301	.969	.324	.072	4	39.52	1544.92	-89.25	-3652.63	812.83	.000	0	.000	0

*** 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				
			Component Values					Force Fx (Kips)	Torsion Mx	Moment My Mz (In-Kips)		Combined Unity CK	LD CN	Combined Unity CK	LD CN	
			Axial	Y-Axis	Z-Axis											
361-	301	245	1.016	.833	.180	.033	4	.00	-1088.61	108.77	1621.66	292.76	.000	0	.000	0
131-	241	263	.375	.047	.035	.327	4	.00	-34.23	240.26	-328.62	3095.32	.000	0	.000	0
161-	251	263	.952	.131	.072	.209	4	79.95	171.08	-915.07	683.00	1977.69	.000	0	.000	0
111-	221	265	.330	.051	.048	.275	4	84.02	88.41	558.05	630.65	-3606.29	.000	0	.000	0
121-	231	265	.474	.044	.099	.419	4	71.43	75.70	1035.43	1293.83	-5504.19	.000	0	.000	0
171-	261	265	.296	.086	.098	.185	4	71.43	149.36	-1263.73	-1284.47	2433.64	.000	0	.000	0
181-	271	265	.217	.079	.045	.131	4	84.02	-71.98	-1663.58	584.82	1717.66	.000	0	.000	0
271-	204	265	2.378	1.025	1.350	.077	4	.00	-1433.16	166.00	-11908.71	-681.65	.000	0	.000	0
204-	331	265	1.128	.785	.342	.030	4	.00	-1096.81	124.07	3550.32	315.70	.000	0	.000	0
221-	201	265	1.559	.890	.668	.027	4	.00	1540.58	-175.39	8768.62	355.49	.000	0	.000	0
201-	361	265	.778	.658	.102	.064	4	44.96	1138.13	58.49	1341.09	-842.11	.000	0	.000	0
241-	381	265	1.185	.485	.690	.117	4	.00	838.91	-264.18	9063.05	1538.12	.000	0	.000	0
251-	311	265	23.995	1.001	20.357	10.692	4	90.08	-826.03	181.44	2472.45	1298.62	.000	0	.000	0
200-	300	CN1	.523	.014	.508	.027	4	.00	-372.31	.00	-96742.04	5097.21	.000	0	.000	0
300-	500	CN2	.863	.031	.832	.014	4	98.00	-110.40	.00	49988.10	812.46	.000	0	.000	0
500-	700	CN2	.855	.024	.832	.014	4	.00	-110.40	.00	49988.10	812.46	.000	0	.000	0
700-	900	CN2	.108	.002	.106	.000	4	.00	-14.49	.00	6378.54	.00	.000	0	.000	0
123-	155	J08	5.419	.117	5.302	.028	4	18.89	-46.26	405.99	-7018.30	37.45	.000	0	.000	0
124-	146	J08	5.485	.141	5.343	.044	4	18.89	-55.85	-394.92	-7073.28	-58.06	.000	0	.000	0
144-	146	J08	5.815	.012	5.802	.087	4	12.92	6.63	-1223.94	-7680.69	-114.82	.000	0	.000	0
146-	164	J08	1.472	.102	1.369	.023	4	18.89	56.27	-165.25	1812.63	-31.01	.000	0	.000	0
155-	143	J08	5.879	.016	5.863	.070	4	.00	9.00	1192.96	-7760.72	-92.75	.000	0	.000	0
155-	163	J08	1.631	.097	1.535	.020	4	18.89	53.34	122.27	2031.34	26.03	.000	0	.000	0
123-	101	J11	143.146	1.725	100.000	100.000	4	.00	-578.97	604.37	5636.09	-3351.54	.000	0	.000	0
124-	102	J11	143.164	1.743	100.000	100.000	4	.00	-585.08	-604.14	5597.94	3428.36	.000	0	.000	0

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

Member	Group	JA -JB	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 Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
163-	103	J11		2.280	.375	1.869	.371	4	.00	311.56	150.94	-5722.29	-1137.43	.000	0	.000	0
164-	104	J11		2.431	.417	1.987	.327	4	.00	346.66	-128.26	-6085.97	1000.24	.000	0	.000	0
123-	124	J12		.770	.038	.731	.031	4	.00	-35.91	76.25	2941.77	125.76	.000	0	.000	0
163-	164	J12		.653	.014	.638	.018	4	.00	15.83	26.57	2568.43	71.78	.000	0	.000	0
121-	123	J16		3.326	.158	3.168	.012	4	34.99	166.31	2111.53	15649.89	-61.33	.000	0	.000	0
123-	125	J16		3.339	.001	3.338	.046	4	.00	.90	-377.30	16491.81	227.66	.000	0	.000	0
124-	131	J16		3.330	.170	3.159	.069	4	.00	178.88	-2236.24	15606.74	-338.79	.000	0	.000	0
125-	124	J16		3.392	.006	3.387	.024	4	33.90	6.01	295.59	16731.59	120.49	.000	0	.000	0
161-	163	J16		3.096	.129	2.967	.037	4	34.99	-135.26	726.38	-14659.41	-181.02	.000	0	.000	0
163-	165	J16		2.379	.025	2.354	.018	4	.00	-19.27	-1732.52	-11631.68	86.68	.000	0	.000	0
164-	171	J16		3.312	.226	3.086	.014	4	.00	-173.25	-570.30	-15428.90	-68.60	.000	0	.000	0
165-	164	J16		2.460	.010	2.449	.014	4	33.90	11.04	1888.16	-12099.61	69.87	.000	0	.000	0
111-	115	J20		.201	.028	.049	.165	4	.00	-47.76	-153.98	602.29	-2016.15	.000	0	.000	0
115-	121	J20		.205	.027	.090	.154	4	30.41	-47.76	-153.98	-1102.29	1873.01	.000	0	.000	0
121-	125	J20		.735	.105	.628	.036	4	22.50	-197.70	-4293.40	7658.21	-433.82	.000	0	.000	0
123-	143	J20		2.431	.034	2.395	.099	4	.00	-68.25	2522.51	29187.66	1200.50	.000	0	.000	0
124-	144	J20		2.451	.019	2.431	.088	4	.00	-37.10	-2736.05	29625.15	-1075.75	.000	0	.000	0
125-	131	J20		.730	.105	.622	.054	4	.00	-198.36	4460.51	7581.68	-659.17	.000	0	.000	0
131-	135	J20		.105	.005	.095	.030	4	.00	-9.18	106.70	-1158.46	371.15	.000	0	.000	0
135-	141	J20		.080	.005	.068	.032	4	33.40	-9.18	106.70	822.81	-390.16	.000	0	.000	0
143-	163	J20		2.321	.035	2.286	.021	4	13.78	-69.58	-5143.27	-27861.08	-259.17	.000	0	.000	0
144-	164	J20		2.389	.019	2.369	.028	4	13.78	-38.63	4708.85	-28869.32	346.87	.000	0	.000	0
151-	159	J20		.043	.009	.013	.031	4	33.40	-16.05	271.67	-160.97	-377.19	.000	0	.000	0
159-	161	J20		.072	.009	.058	.023	4	30.41	-16.05	271.67	-712.31	281.15	.000	0	.000	0
161-	165	J20		.565	.103	.454	.083	4	.00	218.47	-2539.29	5537.83	1015.46	.000	0	.000	0

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			
			Component Values					Force Fx (Kips)	Torsion Hx	Moment My (In-Kips)	Moment Hx	Combined Unity CK	LD CN	Combined Unity CK	LD CN
			Axial	V-Axis	Z-Axis										
165- 171	J20	.514	.099	.413	.043	4	22.50	209.90	2046.28	5030.60	523.26	.000	0	.000	0
171- 175	J20	.107	.040	.038	.055	4	.00	84.47	-285.55	-463.85	666.53	.000	0	.000	0
175- 181	J20	.073	.040	.001	.033	4	.00	84.47	-285.55	8.17	-405.41	.000	0	.000	0
111- 145	J24	3.284	.089	3.178	.329	4	.00	193.67	1737.44	48920.57	-5058.66	.000	0	.000	0
121- 155	J24	3.133	.073	3.059	.095	4	.00	158.31	3789.60	47092.97	-1457.59	.000	0	.000	0
131- 146	J24	3.198	.094	3.104	.021	4	.00	203.54	-3809.96	47787.51	-323.61	.000	0	.000	0
141- 148	J24	3.399	.117	3.277	.193	4	.00	253.35	-1812.38	50448.22	2974.19	.000	0	.000	0
145- 151	J24	1.575	.103	1.472	.042	4	.00	-172.35	-1883.76	-22656.03	-642.70	.000	0	.000	0
146- 171	J24	1.756	.103	1.651	.093	4	.00	-172.26	3911.27	-25417.73	1429.94	.000	0	.000	0
148- 181	J24	1.594	.106	1.486	.086	4	.00	-178.76	1863.83	-22870.64	1327.04	.000	0	.000	0
155- 161	J24	1.757	.123	1.634	.055	4	.00	-206.07	-3846.96	-25149.98	-840.41	.000	0	.000	0
121- 145	J25	1.230	.188	1.040	.078	4	.00	-154.54	-1446.95	11273.60	-844.73	.000	0	.000	0
145- 161	J25	.302	.092	.202	.059	4	.00	146.24	-2713.60	-2277.61	660.61	.000	0	.000	0
148- 131	J25	1.404	.256	1.148	.010	4	78.83	-211.05	1376.30	11435.51	-101.98	.000	0	.000	0
171- 148	J25	.329	.119	.206	.038	4	78.83	190.30	2935.64	-2324.95	427.15	.000	0	.000	0
223- 254	K08	.219	.124	.085	.042	4	18.89	-32.60	2.59	-77.35	-38.03	.000	0	.000	0
224- 255	K08	.106	.065	.029	.028	4	.00	-17.20	1.84	25.87	25.73	.000	0	.000	0
244- 255	K08	.045	.031	.003	.014	4	.00	-9.34	-16.60	2.73	13.06	.000	0	.000	0
254- 243	K08	.205	.018	.187	.012	4	12.92	6.47	51.83	-169.70	-10.68	.000	0	.000	0
254- 253	K08	.318	.088	.230	.008	4	18.89	32.05	21.61	-208.37	6.86	.000	0	.000	0
255- 264	K08	.092	.053	.035	.018	4	.00	19.13	12.97	31.93	-16.25	.000	0	.000	0
221- 225	K11	.165	.077	.087	.015	4	22.50	63.87	183.28	267.12	-47.05	.000	0	.000	0
225- 231	K11	.218	.023	.055	.187	4	22.50	-15.55	-189.84	-169.71	571.30	.000	0	.000	0
261- 265	K11	.201	.071	.130	.009	4	22.50	-47.24	210.18	-396.75	28.04	.000	0	.000	0
265- 271	K11	.267	.166	.084	.056	4	22.50	-110.18	-108.84	280.38	-187.06	.000	0	.000	0

*** 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
223- 224	K12	.080	.031	.047	.015	4	19.17	-29.18	-57.00	-189.03	59.99	.000	0	.000	0
263- 264	K12	.164	.037	.124	.025	4	.00	41.28	-86.93	-500.12	101.46	.000	0	.000	0
221- 223	K13	.293	.032	.250	.073	4	29.77	20.05	159.63	592.26	173.68	.000	0	.000	0
223- 205	K13	.536	.087	.405	.195	4	.00	-29.23	45.94	958.44	-462.36	.000	0	.000	0
223- 225	K13	.565	.260	.305	.011	4	.00	-117.93	-126.37	709.67	-25.50	.000	0	.000	0
224- 206	K13	.374	.045	.319	.081	4	.00	-15.04	-23.41	755.18	190.68	.000	0	.000	0
224- 231	K13	.581	.274	.257	.168	4	29.77	172.64	-173.51	608.05	397.64	.000	0	.000	0
225- 224	K13	.421	.188	.233	.020	4	28.48	118.22	104.97	550.79	47.18	.000	0	.000	0
261- 263	K13	.798	.397	.396	.060	4	29.77	-175.74	186.11	-805.71	-121.49	.000	0	.000	0
263- 207	K13	.651	.070	.558	.161	4	.00	44.35	18.53	-1320.88	-381.48	.000	0	.000	0
263- 265	K13	.600	.203	.396	.023	4	.00	-92.08	-137.05	-960.99	54.78	.000	0	.000	0
264- 208	K13	.532	.028	.431	.262	4	.00	17.61	-46.01	-1020.01	619.74	.000	0	.000	0
264- 271	K13	.383	.132	.236	.084	4	.00	83.43	-195.68	-559.41	197.61	.000	0	.000	0
265- 264	K13	.437	.151	.286	.007	4	28.48	94.97	114.80	-675.92	-17.19	.000	0	.000	0
211- 221	K18	.171	.014	.040	.151	4	58.10	-8.87	149.50	-253.45	955.04	.000	0	.000	0
271- 281	K18	.176	.039	.066	.120	4	.00	-24.02	78.04	414.79	760.95	.000	0	.000	0
223- 243	K20	.258	.083	.171	.034	4	.00	-166.12	65.25	2086.47	418.71	.000	0	.000	0
224- 244	K20	.216	.097	.116	.026	4	.00	204.92	254.52	1409.73	321.86	.000	0	.000	0
243- 263	K20	.294	.084	.210	.013	4	13.78	-166.27	234.95	-2554.45	158.46	.000	0	.000	0
244- 264	K20	.265	.097	.162	.046	4	13.78	204.35	257.25	-1972.99	559.37	.000	0	.000	0
211- 251	K24	1.136	.227	.895	.157	4	.00	272.70	-18.76	7320.54	-1282.70	.000	0	.000	0
221- 251	K24	.667	.095	.563	.098	4	.00	113.68	63.95	4607.95	-804.91	.000	0	.000	0
221- 253	K24	1.147	.357	.787	.073	4	.00	-365.14	-345.98	6814.28	-635.81	.000	0	.000	0
231- 255	K24	1.201	.439	.741	.177	4	.00	528.14	82.62	6058.16	-1449.36	.000	0	.000	0
241- 271	K24	1.467	.415	1.052	.036	4	.00	-167.53	-203.53	5923.31	-200.21	.000	0	.000	0

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

Member JA -JB	Group ID	Maximum 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 (In-Kips)	Moment My (In-Kips)	Moment Mz (In-Kips)	Combined Unity CK	LD CN	Combined Unity CK	LD CN
241- 281	K24	2.702	.598	2.097	.157	4	.00	-357.45	-81.33	8372.39	626.42	.000	0	.000	0
253- 254	K24	.744	.328	.416	.015	4	.00	-393.90	-186.35	3400.92	122.42	.000	0	.000	0
254- 261	K24	1.361	.456	.903	.047	4	40.60	-442.60	1.61	-7118.24	-371.21	.000	0	.000	0
255- 271	K24	1.038	.416	.612	.111	4	40.60	500.74	67.19	-5001.74	-910.56	.000	0	.000	0
331- 346	L20	.210	.159	.006	.051	4	.00	210.22	-.98	-48.28	-402.76	.000	0	.000	0
346- 371	L20	.526	.137	.388	.022	4	.00	181.30	-83.60	3054.37	-169.65	.000	0	.000	0
311- 361	L24	.294	.077	.202	.080	4	88.49	93.16	-43.91	1648.67	656.93	.000	0	.000	0
331- 381	L24	142.434	1.013	100.000	100.000	4	.00	-520.87	33.41	1377.24	281.21	.000	0	.000	0
321- 343	L25	.084	.039	.045	.001	4	35.45	-52.05	13.78	511.85	13.71	.000	0	.000	0
343- 361	L25	.128	.044	.070	.047	4	35.45	-58.77	71.26	790.57	-534.19	.000	0	.000	0
111- 211	LG2	1.579	.091	1.056	1.048	4	52.57	-231.08	-431.30	39960.93	-39686.37	.000	0	.000	0
141- 241	LG2	1.395	.068	1.002	.870	4	52.57	-172.94	1751.33	37927.70	32929.80	.000	0	.000	0
151- 251	LG2	1.005	.007	.746	.663	4	52.57	-18.96	1576.48	-28226.38	-25105.13	.000	0	.000	0
181- 281	LG2	1.340	.007	.940	.945	4	52.57	21.61	-1816.96	-35596.24	35790.53	.000	0	.000	0
211- 311	LG2	1.474	.106	.969	.967	4	5.00	-271.67	547.73	36685.79	-36596.09	.000	0	.000	0
281- 381	LG2	1.376	.089	.910	.910	4	5.00	273.91	-1371.70	-34447.52	34463.80	.000	0	.000	0
311- 411	LG2	.982	.503	.382	.289	4	5.00	-1312.56	-106.84	-15760.41	11895.99	.000	0	.000	0
361- 461	LG2	.963	.470	.491	.049	4	5.00	1450.67	1463.44	18571.28	-1855.28	.000	0	.000	0
371- 471	LG2	.669	.296	.371	.038	4	5.00	913.87	2126.58	14030.41	1448.44	.000	0	.000	0
381- 481	LG2	1.147	.274	.620	.614	4	5.00	846.99	1198.87	23485.18	-23250.49	.000	0	.000	0
411- 511	LG2	.760	.487	.120	.246	4	36.91	-1288.20	156.45	5025.83	-10306.83	.000	0	.000	0
481- 581	LG2	.890	.282	.431	.429	4	5.00	871.23	554.97	-16326.28	16227.76	.000	0	.000	0
511- 611	LG2	.840	.609	.034	.228	4	5.00	-1633.72	-1326.38	1441.24	-9611.93	.000	0	.000	0
581- 681	LG2	.776	.579	.181	.078	4	5.00	1787.21	2359.24	6854.53	-2968.15	.000	0	.000	0
121- 101	LG3	.959	.088	.764	.417	4	5.00	-237.48	-1012.55	-28930.67	15795.47	.000	0	.000	0

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

Member	Group	ID	Maximum Combined Unity CK	/--- Unity Check ---/ Component Values			Load Case No.	Dist From End(Ft)	/----- Critical Member Loads -----/ Force Torsion Moment Moment				Next Two Highest Cases			
				Axial	V-Axis	Z-Axis			Fx (Kips)	Fx	Fy (In-Kips)	Fz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
131-	102	LG3	.964	.070	.774	.449	4	5.00	-188.29	1619.97	-29288.61	-16986.43	.000	0	.000	0
161-	103	LG3	.452	.093	.359	.003	4	5.00	-251.04	769.75	-13593.59	97.71	.000	0	.000	0
171-	104	LG3	.488	.091	.312	.244	4	35.17	-245.76	-143.52	-11822.28	9228.93	.000	0	.000	0
241-	341	LG3	1.029	.287	.493	.555	4	5.00	-885.29	-714.54	18649.10	21025.13	.000	0	.000	0
251-	351	LG3	1.035	.328	.481	.519	4	5.00	1011.23	1641.37	-18193.20	-19651.18	.000	0	.000	0
261-	207	LG3	1.550	.171	1.375	.106	4	5.00	527.66	-1089.83	-52060.19	4010.32	.000	0	.000	0
271-	208	LG3	1.538	.319	1.213	.132	4	5.00	983.39	216.44	-45911.20	-5005.95	.000	0	.000	0
321-	302	LG3	.446	.356	.090	.008	4	23.37	-981.74	-610.19	-3952.07	373.28	.000	0	.000	0
331-	303	LG3	1.010	.621	.389	.006	4	23.37	-1713.19	-1557.08	16915.53	249.24	.000	0	.000	0
421-	507	LG3	.695	.592	.101	.020	4	22.11	-1638.02	1302.80	4411.70	-884.95	.000	0	.000	0
431-	506	LG3	.861	.666	.194	.025	4	5.00	-1842.23	1157.11	-8432.29	1069.42	.000	0	.000	0
441-	541	LG3	.810	.541	.220	.155	4	5.00	-1430.26	-336.38	-9179.03	-6472.92	.000	0	.000	0
451-	551	LG3	.868	.504	.273	.240	4	5.00	1556.93	810.56	10319.85	9088.68	.000	0	.000	0
461-	508	LG3	.632	.456	.174	.020	4	5.00	1407.57	-507.44	-6604.98	766.50	.000	0	.000	0
471-	505	LG3	.761	.569	.190	.028	4	5.00	1755.83	-581.87	7199.01	-1074.27	.000	0	.000	0
521-	503	LG3	.681	.578	.067	.078	4	5.00	-1615.89	-1363.46	2956.11	-3428.17	.000	0	.000	0
531-	502	LG3	.727	.520	.204	.037	4	5.00	-1451.62	-1530.71	8975.14	1636.01	.000	0	.000	0
561-	504	LG3	.828	.681	.145	.030	4	5.00	2101.88	2648.96	5474.97	-1125.29	.000	0	.000	0
571-	501	LG3	.981	.636	.336	.078	4	5.00	1964.22	1896.27	-12722.99	2937.55	.000	0	.000	0
101-	221	LG4	2.759	.224	2.533	.111	4	17.11	690.59	396.53	95903.09	4208.32	.000	0	.000	0
102-	231	LG4	2.745	.237	2.507	.065	4	17.11	730.99	282.17	94906.80	-2471.03	.000	0	.000	0
103-	261	LG4	1.337	.015	1.320	.072	4	17.11	-40.73	1218.83	-49974.07	2735.96	.000	0	.000	0
104-	271	LG4	1.699	.007	1.688	.118	4	17.11	-18.86	-522.43	-63901.04	-4473.76	.000	0	.000	0
207-	361	LG4	.604	.181	.419	.058	4	.00	560.12	-995.49	-15864.17	2204.30	.000	0	.000	0
208-	371	LG4	.659	.323	.336	.009	4	.00	998.37	-81.54	-12705.18	324.85	.000	0	.000	0

*** 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			
				Component Values	Axial	Y-Axis				Z-Axis	Torsion Tx	Moment My	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
302-	421	LG4	.533	.285	.224	.107	4	18.37	-880.42	-729.98	8461.90	4062.29	.000	0	.000	0
303-	431	LG4	.928	.608	.319	.007	4	.00	-1678.16	-1166.24	13892.80	297.84	.000	0	.000	0
341-	441	LG4	.699	.335	.246	.267	4	.00	-875.45	-714.54	10422.60	11309.07	.000	0	.000	0
351-	451	LG4	.642	.331	.220	.221	4	.00	1021.07	1641.38	-8330.84	-8348.22	.000	0	.000	0
501-	671	LG4	.825	.636	.186	.037	4	.00	1963.60	2059.70	-7025.54	1416.99	.000	0	.000	0
502-	631	LG4	.989	.685	.299	.050	4	.00	-1906.05	-1438.57	13098.57	2187.87	.000	0	.000	0
503-	621	LG4	.955	.726	.228	.004	4	.00	-2020.94	-1545.69	9969.38	-193.83	.000	0	.000	0
504-	661	LG4	.759	.687	.067	.028	4	14.15	2120.41	2461.62	-2538.68	1057.32	.000	0	.000	0
505-	571	LG4	.907	.577	.328	.037	4	14.60	1781.94	-585.06	-12423.73	1414.08	.000	0	.000	0
506-	531	LG4	.861	.598	.248	.086	4	14.60	-1662.47	1182.13	10870.07	-3771.40	.000	0	.000	0
507-	521	LG4	.682	.568	.076	.085	4	14.60	-1577.79	1298.28	3354.03	-3739.79	.000	0	.000	0
508-	561	LG4	.621	.459	.162	.015	4	.00	1416.66	-497.51	-6116.43	551.71	.000	0	.000	0
541-	641	LG4	.593	.530	.038	.050	4	.00	-1422.54	-336.18	1602.75	2130.18	.000	0	.000	0
551-	651	LG4	.566	.507	.050	.032	4	.00	1564.65	810.44	-1888.77	-1218.44	.000	0	.000	0
202-	205	LG7	.240	.182	.058	.008	4	.00	-1111.61	670.55	4789.97	636.34	.000	0	.000	0
205-	321	LG7	.246	.183	.030	.055	4	21.61	-1119.57	853.59	-2527.39	-4531.62	.000	0	.000	0
203-	206	LG7	.287	.101	.185	.026	4	.00	-610.15	1080.71	-15316.73	-2193.19	.000	0	.000	0
206-	331	LG7	.245	.105	.138	.021	4	.00	-618.11	1185.14	-11457.37	-1730.09	.000	0	.000	0
221-	202	LG7	1.407	.089	1.314	.101	4	.00	-518.86	619.83	109103.10	8364.96	.000	0	.000	0
231-	203	LG7	1.561	.000	1.558	.080	4	.00	.89	478.77	129353.60	-6640.42	.000	0	.000	0
611-	712	LG7	.428	.262	.069	.151	4	.00	-1599.01	-1685.10	-5698.05	12563.74	.000	0	.000	0
621-	722	LG7	.533	.356	.175	.028	4	.00	-2172.90	-15.59	-14567.32	2319.37	.000	0	.000	0
631-	732	LG7	.492	.309	.182	.008	4	.00	-1887.87	-522.15	-15140.27	667.90	.000	0	.000	0
641-	742	LG7	.487	.304	.153	.100	4	.00	-1857.20	1785.12	-12707.29	-8287.21	.000	0	.000	0
651-	752	LG7	.381	.311	.056	.042	4	.00	1897.24	-2794.76	4681.43	3453.18	.000	0	.000	0

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
661-	762	LG7	.374	.338	.003	.036	4	.00	2064.32	-1867.81	-279.24	2997.02	.000	0	.000	0
671-	772	LG7	.523	.350	.172	.008	4	.00	2140.44	-1979.81	14281.18	-625.66	.000	0	.000	0
681-	782	LG7	.330	.299	.001	.031	4	.00	1828.17	-692.51	84.31	-2552.58	.000	0	.000	0
424-	446	MO8	.473	.307	.159	.047	4	18.89	-80.82	-18.57	-137.26	40.59	.000	0	.000	0
443-	423	MO8	.207	.128	.075	.025	4	.00	-33.68	-2.93	-68.14	22.90	.000	0	.000	0
443-	463	MO8	.131	.085	.031	.033	4	.00	30.92	6.25	28.49	29.66	.000	0	.000	0
446-	464	MO8	.339	.227	.108	.032	4	.00	82.22	-12.78	98.05	-29.01	.000	0	.000	0
423-	507	MO9	.229	.009	.130	.178	4	.00	-2.79	36.11	215.49	-294.32	.000	0	.000	0
424-	506	MO9	.418	.087	.272	.187	4	.00	-28.69	-26.35	450.42	308.81	.000	0	.000	0
463-	508	MO9	.261	.015	.185	.163	4	.00	7.75	16.89	-305.25	-268.93	.000	0	.000	0
464-	505	MO9	.344	.053	.221	.189	4	.00	27.96	-41.50	-365.64	313.18	.000	0	.000	0
421-	423	M10	.241	.082	.156	.029	4	21.37	42.15	64.36	251.85	-46.65	.000	0	.000	0
423-	425	M10	.252	.123	.128	.015	4	.00	63.13	-38.51	207.02	24.24	.000	0	.000	0
424-	431	M10	.545	.166	.378	.023	4	.00	85.27	-58.29	611.05	37.16	.000	0	.000	0
425-	424	M10	.435	.166	.268	.004	4	19.53	-67.62	66.03	470.41	-6.53	.000	0	.000	0
461-	463	M10	.417	.229	.184	.034	4	21.37	-89.86	59.38	-306.75	56.75	.000	0	.000	0
463-	465	M10	.164	.033	.131	.014	4	.00	16.81	-56.46	-211.53	22.68	.000	0	.000	0
464-	471	M10	1.143	.690	.449	.048	4	.00	-270.55	-78.55	-537.52	-57.68	.000	0	.000	0
465-	464	M10	.305	.034	.272	.003	4	19.53	-13.67	69.87	-438.82	5.13	.000	0	.000	0
421-	425	M11	.266	.127	.107	.089	4	.00	-84.26	-57.88	-327.59	271.99	.000	0	.000	0
425-	431	M11	.162	.030	.109	.074	4	22.50	-19.96	27.39	-334.26	225.55	.000	0	.000	0
461-	465	M11	.245	.151	.077	.054	4	.00	-99.80	-6.09	259.55	182.40	.000	0	.000	0
465-	471	M11	.314	.129	.123	.138	4	22.50	-85.18	23.86	377.06	423.57	.000	0	.000	0
423-	424	M12	.192	.084	.103	.031	4	19.17	-78.89	84.77	416.15	123.02	.000	0	.000	0
463-	464	M12	.103	.027	.071	.025	4	19.17	30.84	96.67	-286.60	100.46	.000	0	.000	0

*** 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 Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
411- 421	M14	.245	.039	.021	.205	4	48.90	26.79	47.33	-60.14	590.56	.000	0	.000	0
471- 481	M14	.350	.014	.067	.329	4	.00	-4.74	-51.33	193.60	946.33	.000	0	.000	0
411- 451	M18	.342	.175	.115	.121	4	.00	-99.78	-11.79	704.19	-741.42	.000	0	.000	0
421- 443	M18	.242	.138	.094	.045	4	.00	163.97	7.76	591.32	283.90	.000	0	.000	0
431- 446	M18	.349	.236	.113	.003	4	.00	-226.88	-41.09	753.99	-17.88	.000	0	.000	0
441- 481	M18	.426	.188	.200	.129	4	61.60	-106.86	-10.22	-1209.11	-783.62	.000	0	.000	0
443- 461	M18	.220	.098	.121	.016	4	30.80	115.81	-26.06	-767.74	102.17	.000	0	.000	0
446- 471	M18	.499	.362	.132	.039	4	30.80	-346.96	-18.50	-835.08	245.36	.000	0	.000	0
421- 451	M20	1.081	.676	.187	.359	4	.00	-254.81	-77.82	414.01	-795.37	.000	0	.000	0
441- 471	M20	143.543	2.121	100.000	100.000	4	.00	-799.44	103.82	279.08	-288.59	.000	0	.000	0
463- 423	M21	.068	.015	.052	.007	4	.00	32.71	-331.13	-629.44	82.70	.000	0	.000	0
464- 424	M21	.156	.052	.104	.002	4	27.56	-93.97	-180.45	1265.98	24.56	.000	0	.000	0
521- 561	M16	.166	.100	.063	.017	4	.00	-40.08	-3.27	239.66	-65.29	.000	0	.000	0
531- 571	M16	.245	.105	.139	.024	4	.00	-41.88	-22.34	524.74	-89.67	.000	0	.000	0
511- 561	M20	.850	.470	.060	.375	4	69.21	-224.58	.45	217.77	1367.89	.000	0	.000	0
531- 581	M20	.705	.410	.167	.243	4	.00	-195.82	73.69	677.88	984.88	.000	0	.000	0
626- 643	P08	.328	.271	.028	.050	4	16.25	-76.52	7.23	-25.63	-46.38	.000	0	.000	0
628- 646	P08	.160	.072	.088	.014	4	.00	-20.23	8.38	-79.60	12.78	.000	0	.000	0
643- 666	P08	.295	.201	.056	.075	4	.00	73.02	6.61	50.47	68.07	.000	0	.000	0
646- 668	P08	.141	.065	.033	.068	4	16.25	23.71	-2.81	-30.33	-61.71	.000	0	.000	0
621- 626	P10	.493	.351	.082	.117	4	.00	180.43	31.23	-131.69	188.14	.000	0	.000	0
623- 625	P10	.071	.002	.051	.047	4	13.19	1.03	-36.72	-81.66	75.49	.000	0	.000	0
625- 624	P10	.105	.021	.080	.028	4	.00	-9.39	3.94	128.80	-44.53	.000	0	.000	0
626- 503	P10	.193	.010	.136	.124	4	27.44	4.90	19.28	-219.25	-199.68	.000	0	.000	0
628- 502	P10	.179	.072	.062	.088	4	27.44	-24.45	-24.97	-100.02	141.61	.000	0	.000	0

*** 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
631- 628	P10	.100	.028	.059	.042	4	18.37	-11.61	-24.42	-94.48	-68.23	.000	0	.000	0
663- 665	P10	.238	.104	.103	.086	4	.00	53.59	-49.66	-165.88	138.71	.000	0	.000	0
665- 664	P10	.177	.103	.038	.064	4	.00	-46.28	21.80	-61.17	102.93	.000	0	.000	0
666- 504	P10	.287	.062	.172	.145	4	27.44	-20.94	18.95	277.88	-233.68	.000	0	.000	0
666- 661	P10	.536	.409	.125	.022	4	.00	-169.61	45.52	-197.22	-34.47	.000	0	.000	0
668- 501	P10	.185	.002	.130	.129	4	27.44	1.09	-14.65	209.73	208.69	.000	0	.000	0
668- 671	P10	.379	.228	.025	.149	4	18.37	-94.51	-6.56	-43.34	255.92	.000	0	.000	0
611- 621	P12	.186	.012	.078	.156	4	40.56	-5.04	1.72	-239.98	477.66	.000	0	.000	0
621- 625	P12	.204	.039	.097	.134	4	.00	32.05	52.04	-295.88	410.44	.000	0	.000	0
625- 631	P12	.100	.047	.042	.033	4	22.50	38.83	-9.91	-128.34	101.58	.000	0	.000	0
631- 641	P12	.166	.016	.081	.126	4	.00	13.12	-5.04	-248.41	386.17	.000	0	.000	0
651- 661	P12	.795	.459	.001	.336	4	40.56	-200.68	3.78	2.84	677.23	.000	0	.000	0
661- 665	P12	.098	.028	.067	.022	4	.00	-18.32	42.63	205.07	66.33	.000	0	.000	0
665- 671	P12	.228	.064	.016	.164	4	22.50	53.00	17.44	-47.77	502.23	.000	0	.000	0
671- 681	P12	.465	.230	.031	.233	4	40.56	-100.46	-15.32	-87.85	653.80	.000	0	.000	0
611- 651	P14	.542	.309	.175	.153	4	46.13	-142.30	-15.34	-537.51	469.48	.000	0	.000	0
621- 643	P14	.244	.185	.018	.055	4	.00	169.84	-11.36	66.05	207.09	.000	0	.000	0
631- 646	P14	.415	.366	.011	.047	4	23.06	-273.67	33.68	41.85	-177.94	.000	0	.000	0
641- 681	P14	.262	.130	.130	.020	4	46.13	-60.12	25.85	-484.31	-74.20	.000	0	.000	0
643- 661	P14	.225	.083	.116	.083	4	23.06	76.40	8.65	-433.61	308.64	.000	0	.000	0
646- 671	P14	.531	.404	.074	.103	4	23.06	-301.84	-3.02	-272.53	380.30	.000	0	.000	0
623- 624	P16	.057	.008	.026	.041	4	19.29	-7.84	-30.14	-128.63	202.00	.000	0	.000	0
626- 628	P16	.107	.056	.032	.039	4	19.29	-51.93	-47.04	-156.06	194.91	.000	0	.000	0
663- 664	P16	.139	.006	.018	.131	4	.00	6.83	-39.91	-87.54	648.28	.000	0	.000	0
666- 668	P16	.137	.025	.019	.110	4	.00	26.48	-55.00	-94.11	543.98	.000	0	.000	0

*** 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 Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CH	Combined Unity CK	LD CH
621- 651	P18	.294	.120	.004	.174	4	.00	-52.52	11.18	-21.19	-827.73	.000	0	.000	0
641- 671	P18	.358	.218	.082	.112	4	61.43	195.98	22.89	-390.88	-534.07	.000	0	.000	0
623- 626	P21	.025	.001	.013	.020	4	4.13	-2.50	174.66	155.50	243.68	.000	0	.000	0
624- 628	P21	.045	.005	.021	.033	4	4.13	-11.38	173.58	-261.97	-403.79	.000	0	.000	0
626- 666	P21	.081	.016	.043	.049	4	19.88	34.41	134.22	-523.16	-592.94	.000	0	.000	0
628- 668	P21	.071	.033	.017	.033	4	19.88	-64.13	193.43	202.89	-407.86	.000	0	.000	0
666- 663	P21	.142	.022	.028	.117	4	.00	45.88	174.68	-340.93	-1420.10	.000	0	.000	0
668- 664	P21	.086	.016	.001	.070	4	.00	-32.95	91.46	10.97	-855.95	.000	0	.000	0
112- 212	PL2	.717	.158	.394	.397	4	47.30	1090.01	.01	33695.97	-33976.85	.000	0	.000	0
122- 222	PL2	.752	.116	.636	.022	4	.00	1105.03	.00	73432.23	2593.57	.000	0	.000	0
132- 232	PL2	.789	.102	.687	.016	4	.00	975.60	.00	79338.48	1792.80	.000	0	.000	0
142- 242	PL2	.748	.067	.468	.495	4	.00	638.57	.00	54037.79	57122.83	.000	0	.000	0
152- 252	PL2	.964	.417	.393	.381	4	47.30	-2529.24	.01	-35646.69	-34580.63	.000	0	.000	0
162- 262	PL2	1.087	.363	.721	.071	4	.00	-2939.90	.01	-86930.47	8573.21	.000	0	.000	0
172- 272	PL2	1.120	.382	.736	.063	4	.00	-3094.72	.01	-88110.92	7585.04	.000	0	.000	0
182- 282	PL2	1.165	.389	.499	.595	4	.00	-3150.48	.00	-59452.91	70923.75	.000	0	.000	0
212- 312	PL3	.791	.197	.412	.428	4	4.80	1097.07	.00	28658.88	-29749.57	.000	0	.000	0
222- 322	PL3	.769	.205	.564	.011	4	4.80	1141.00	.00	39226.79	-767.21	.000	0	.000	0
232- 332	PL3	.708	.182	.526	.003	4	4.80	1011.56	.00	36615.98	-196.95	.000	0	.000	0
242- 342	PL3	.646	.121	.386	.356	4	4.80	674.50	.01	26828.11	24737.21	.000	0	.000	0
252- 352	PL3	1.096	.516	.404	.415	4	4.80	-2522.18	.00	-29099.40	-29894.21	.000	0	.000	0
262- 362	PL3	1.101	.594	.506	.018	4	4.80	-2903.92	.01	-35750.79	-1302.30	.000	0	.000	0
272- 372	PL3	1.178	.626	.552	.012	4	4.80	-3058.74	.01	-38659.44	-829.72	.000	0	.000	0
282- 382	PL3	1.120	.638	.353	.328	4	4.80	-3114.58	.01	-24628.88	22872.57	.000	0	.000	0
312- 412	PL4	.411	.200	.151	.146	4	.00	1114.87	.00	10498.26	-10182.05	.000	0	.000	0

*** 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	
322-	422	PL4	.418	.208	.210	.002	4	.00	1158.79	.00	14613.86	-121.78	.000	0	.000	0
332-	432	PL4	.379	.185	.194	.002	4	.00	1029.95	.00	13478.52	-168.90	.000	0	.000	0
342-	442	PL4	.360	.124	.167	.167	4	.00	692.30	.00	11584.39	11612.32	.000	0	.000	0
352-	452	PL4	.696	.504	.131	.140	4	.00	-2504.37	.00	-9702.47	-10308.12	.000	0	.000	0
362-	462	PL4	.763	.581	.182	.004	4	.00	-2886.13	.01	-13295.27	-313.38	.000	0	.000	0
372-	472	PL4	.793	.612	.181	.002	4	.00	-3040.95	.01	-13041.60	-168.70	.000	0	.000	0
382-	482	PL4	.831	.624	.147	.147	4	.00	-3096.78	.01	-10536.47	10596.78	.000	0	.000	0
412-	512	PL5	.389	.204	.129	.133	4	.00	1132.63	-.31	-8981.54	9281.91	.000	0	.000	0
422-	522	PL5	.368	.211	.156	.007	4	.00	1176.47	-.01	-10876.67	520.55	.000	0	.000	0
432-	532	PL5	.340	.188	.152	.002	4	.00	1047.03	.01	-10543.62	-141.00	.000	0	.000	0
442-	542	PL5	.202	.128	.072	.021	4	.00	710.05	.05	-4993.89	-1443.12	.000	0	.000	0
452-	552	PL5	.655	.492	.108	.122	4	.00	-2486.70	-.30	8176.94	9174.22	.000	0	.000	0
462-	562	PL5	.678	.568	.110	.009	4	.00	-2868.39	-.01	8176.99	670.80	.000	0	.000	0
472-	572	PL5	.753	.598	.154	.007	4	.00	-3023.20	-.01	11458.12	489.16	.000	0	.000	0
482-	582	PL5	.645	.610	.028	.022	4	.00	-3079.09	.06	2066.54	-1613.90	.000	0	.000	0
512-	612	PL6	.339	.209	.076	.106	4	36.24	1162.64	-.27	5253.22	-7346.81	.000	0	.000	0
522-	622	PL6	.329	.217	.112	.006	4	36.06	1206.48	-.01	7758.04	-436.65	.000	0	.000	0
532-	632	PL6	.364	.194	.170	.015	4	36.06	1077.04	.04	11846.08	1011.14	.000	0	.000	0
542-	642	PL6	.171	.133	.030	.023	4	36.24	740.07	.07	2061.60	1599.86	.000	0	.000	0
552-	652	PL6	.582	.478	.086	.058	4	36.24	-2456.69	-.13	-6639.65	-4451.36	.000	0	.000	0
562-	662	PL6	.645	.552	.092	.010	4	36.06	-2838.38	.04	-7021.21	733.05	.000	0	.000	0
572-	672	PL6	.759	.582	.175	.020	4	36.06	-2993.19	.06	-13339.19	1560.52	.000	0	.000	0
582-	682	PL6	.631	.594	.023	.029	4	36.24	-3049.07	.10	-1771.02	2184.50	.000	0	.000	0
612-	712	PL7	.339	.209	.076	.106	4	.00	1162.60	2.11	5253.19	-7346.84	.000	0	.000	0
622-	722	PL7	.329	.217	.112	.006	4	.00	1206.51	.09	7758.04	-436.65	.000	0	.000	0

*** 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)	Force Fx (Kips)	/----- Critical Member Loads -----/			Next Two Highest Cases				
			Component Values						Torsion Tx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN	
			Axial	Y-Axis	Z-Axis	No.										
632- 732	PL7	.364	.194	.170	.015	4	.00	1077.08	-.20	11846.08	1011.14	.000	0	.000	0	
642- 742	PL7	.171	.133	.030	.023	4	.00	740.08	-.45	2061.60	1599.87	.000	0	.000	0	
652- 752	PL7	.556	.441	.095	.064	4	.00	-2456.58	1.32	-6639.63	-4451.39	.000	0	.000	0	
662- 762	PL7	.612	.510	.101	.011	4	.00	-2838.41	-.13	-7021.21	733.05	.000	0	.000	0	
672- 772	PL7	.731	.538	.192	.022	4	.00	-2993.25	-.30	-13339.19	1560.52	.000	0	.000	0	
682- 782	PL7	.588	.548	.025	.031	4	.00	-3049.00	-.61	-1771.01	2184.51	.000	0	.000	0	
712- 811	PL8	.149	.078	.059	.040	4	3.03	-432.65	-1685.64	4084.84	2755.66	.000	0	.000	0	
722- 821	PL8	.222	.173	.042	.024	4	.00	-963.93	-16.27	-2936.49	1650.21	.000	0	.000	0	
732- 831	PL8	.188	.146	.040	.014	4	3.02	-807.03	-522.98	2812.80	949.20	.000	0	.000	0	
742- 841	PL8	.306	.200	.071	.078	4	.00	-1114.61	1788.22	-4933.75	-5419.72	.000	0	.000	0	
752- 851	PL8	.134	.100	.017	.029	4	3.03	-555.60	-2792.44	1160.61	-2039.67	.000	0	.000	0	
762- 861	PL8	.228	.139	.077	.045	4	.00	-771.65	-1869.42	-5334.29	3142.13	.000	0	.000	0	
772- 871	PL8	.205	.153	.052	.004	4	3.02	-849.07	-1980.40	3639.13	274.41	.000	0	.000	0	
782- 881	PL8	.305	.219	.086	.009	4	3.03	-1217.04	-693.20	5993.69	607.24	.000	0	.000	0	
123- 199	SIM	1.443	.144	1.298	.045	4	.00	-139.54	-327.49	5222.50	179.13	.000	0	.000	0	
124- 199	SIM	1.399	.135	1.263	.049	4	.00	-152.32	246.81	5081.28	-196.17	.000	0	.000	0	
199- 163	SIM	1.184	.099	1.084	.020	4	16.79	111.48	2181.95	-4364.40	-80.04	.000	0	.000	0	
199- 164	SIM	1.281	.081	1.200	.014	4	16.79	90.72	-2126.20	-4829.25	57.31	.000	0	.000	0	
223- 299	SIM	.152	.080	.071	.005	4	.00	90.27	92.47	286.97	18.69	.000	0	.000	0	
224- 299	SIM	.124	.066	.052	.025	4	.00	74.72	-45.31	209.17	-100.70	.000	0	.000	0	
299- 263	SIM	.219	.087	.128	.032	4	16.79	-84.17	54.04	-516.59	-129.55	.000	0	.000	0	
299- 264	SIM	.125	.047	.077	.008	4	16.79	-45.36	-79.80	-311.21	31.40	.000	0	.000	0	
423- 499	SIM	.146	.079	.065	.016	4	16.79	88.59	20.52	261.28	-62.91	.000	0	.000	0	
424- 499	SIM	.215	.151	.060	.023	4	.00	170.20	-21.28	240.40	-91.18	.000	0	.000	0	
463- 499	SIM	.172	.128	.039	.020	4	.00	-123.56	19.00	-157.06	82.37	.000	0	.000	0	

*** 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.										
499-	464	SIM	.282	.217	.063	.013	4	.00	-210.47	-45.15	280.46	-59.18	.000	0	.000	0
626-	699	SIM	.191	.168	.022	.008	4	13.85	188.51	-5.90	-88.94	-32.27	.000	0	.000	0
628-	699	SIM	.102	.041	.023	.056	4	.00	46.54	2.18	-90.76	-224.96	.000	0	.000	0
699-	666	SIM	.286	.213	.021	.070	4	13.85	-213.41	12.20	-95.72	-319.19	.000	0	.000	0
699-	668	SIM	.088	.065	.014	.018	4	13.85	-65.41	-2.06	-55.44	-72.64	.000	0	.000	0
811-	1	IL1	.184	.093	.029	.087	4	2.25	-436.39	-1280.42	-1453.78	-4386.88	.000	0	.000	0
821-	2	IL1	.255	.204	.048	.019	4	4.50	-967.78	122.38	-2406.37	-980.02	.000	0	.000	0
831-	3	IL1	.230	.171	.058	.014	4	2.25	-810.70	-425.27	-2934.05	-705.92	.000	0	.000	0
841-	4	IL1	.314	.237	.018	.074	4	2.25	-1126.15	1199.75	900.23	3764.13	.000	0	.000	0
1-	9	IL2	.180	.095	.041	.075	4	.00	-435.55	-1280.42	-2051.86	-3788.25	.000	0	.000	0
2-	10	IL2	.280	.203	.077	.006	4	14.38	-962.40	122.38	-3896.92	291.73	.000	0	.000	0
3-	11	IL2	.230	.170	.059	.008	4	.00	-809.86	-425.27	-2990.96	-415.03	.000	0	.000	0
4-	13	IL2	.330	.236	.091	.024	4	14.38	-1119.93	1199.75	-4600.72	1206.36	.000	0	.000	0
9-	18	IL3	.154	.073	.074	.031	4	7.13	-426.86	-1280.42	-4583.55	1931.94	.000	0	.000	0
18-	73	IL3	.123	.061	.057	.024	4	.00	-353.05	-758.97	-3539.86	1463.89	.000	0	.000	0
73-	81	IL2	.104	.074	.028	.010	4	.00	-349.34	-758.97	-1425.67	496.63	.000	0	.000	0
10-	19	IL3	.226	.163	.063	.005	4	.00	-962.40	122.38	-3896.92	291.73	.000	0	.000	0
19-	74	IL3	.131	.079	.051	.008	4	.00	-457.80	460.11	-3172.11	491.58	.000	0	.000	0
74-	83	IL2	.130	.096	.033	.007	4	6.00	-451.84	460.11	1659.68	364.62	.000	0	.000	0
11-	20	IL3	.176	.138	.006	.038	4	7.13	-801.17	-425.27	-351.41	2364.59	.000	0	.000	0
20-	75	IL3	.075	.062	.007	.011	4	.00	-359.13	-194.36	-423.74	693.31	.000	0	.000	0
75-	84	IL2	.085	.075	.010	.000	4	6.00	-353.17	-194.36	500.13	-7.91	.000	0	.000	0
13-	21	IL3	.286	.189	.096	.002	4	7.13	-1116.62	1199.75	-5944.64	110.17	.000	0	.000	0
21-	76	IL3	.245	.177	.068	.005	4	.00	-1045.22	572.50	-4186.24	-296.96	.000	0	.000	0
76-	85	IL2	.263	.219	.043	.009	4	.00	-1041.50	572.50	-2184.26	432.29	.000	0	.000	0

*** 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 Mx	Moment My (In-Kips)	Moment Mz	Combined Unity CK	LD CN	Combined Unity CK	LD CN
851-	5	TL1	.163	.118	.037	.026	4	4.50	-555.00	-3052.05	-1869.64	-1294.45	.000	0	.000	0
861-	6	TL1	.239	.163	.063	.042	4	2.25	-772.22	-1612.77	-3195.17	2140.82	.000	0	.000	0
871-	7	TL1	.229	.179	.050	.004	4	2.25	-848.12	-1942.96	2533.01	208.44	.000	0	.000	0
881-	8	TL1	.347	.257	.048	.077	4	2.25	-1220.15	-600.70	2451.09	3867.41	.000	0	.000	0
5-	14	ILZ	.222	.119	.102	.017	4	14.38	-549.62	-3052.05	-5133.96	864.33	.000	0	.000	0
6-	15	IL2	.237	.162	.067	.032	4	.00	-771.38	-1612.77	-3372.34	1638.22	.000	0	.000	0
7-	16	IL2	.258	.177	.074	.034	4	14.38	-841.90	-1942.96	-3719.40	-1734.49	.000	0	.000	0
8-	17	IL2	.370	.256	.103	.050	4	14.38	-1213.93	-600.70	-5181.67	-2523.53	.000	0	.000	0
14-	23	IL3	.199	.094	.100	.031	4	7.13	-546.31	-3052.05	-6173.17	1934.33	.000	0	.000	0
23-	77	TL3	.133	.061	.069	.016	4	.00	-356.78	-1602.21	-4289.30	964.22	.000	0	.000	0
77-	86	IL2	.115	.075	.039	.008	4	.00	-353.07	-1602.21	-1967.32	411.77	.000	0	.000	0
15-	24	TL3	.194	.131	.037	.051	4	7.13	-762.69	-1612.77	-2307.15	-3164.45	.000	0	.000	0
24-	78	IL3	.112	.076	.030	.020	4	.00	-438.45	-405.48	-1862.73	-1260.40	.000	0	.000	0
78-	87	IL2	.108	.093	.012	.011	4	.00	-434.74	-405.48	-583.04	-539.44	.000	0	.000	0
16-	25	IL3	.246	.144	.092	.041	4	7.13	-838.59	-1942.96	-5722.50	-2567.17	.000	0	.000	0
25-	79	TL3	.123	.060	.062	.012	4	.00	-346.53	-870.40	-3833.66	-738.86	.000	0	.000	0
79-	88	TL2	.111	.073	.035	.014	4	.00	-342.81	-870.40	-1774.10	-696.39	.000	0	.000	0
17-	26	TL3	.357	.205	.126	.085	4	7.13	-1210.62	-600.70	-7776.35	-5262.50	.000	0	.000	0
26-	80	IL3	.284	.178	.092	.052	4	.00	-1050.62	-478.03	-5665.14	-3217.31	.000	0	.000	0
80-	89	TL2	.273	.220	.050	.017	4	.00	-1046.91	-478.03	-2528.17	-874.23	.000	0	.000	0
83-	140	TL2	.019	.005	.014	.001	4	.00	25.49	203.70	686.63	-43.73	.000	0	.000	0
87-	147	TL2	.028	.006	.020	.000	4	.00	28.84	-117.31	1028.44	14.35	.000	0	.000	0
84-	149	TL2	.014	.005	.008	.004	4	.00	23.01	-148.94	-415.48	-218.10	.000	0	.000	0
88-	150	TL2	.022	.003	.018	.005	4	2.38	16.38	-346.94	917.67	251.52	.000	0	.000	0

*** Member Group Summary Report ***

Group I - Unity Checks Greater Than 1.33

Member	Group	Maximum	Load	Dist	Axial	Bending	Stress	Shear	Force			Second-Highest	Third-Highest			
JA -JB	ID	Combined	Case	From	Stress	Y	Z	Fy	Fz	KLY/RV	KLZ/RZ	Unity	Load	Unity	Load	
		Unity	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips)	-/			Check	Case	Check	Case	
145-	251	243	1.822	4	.0	10.20	75.41	27.15	-8.74	26.85	99.9	99.9	.000	0	.000	0
146-	271	243	2.267	4	.0	17.02	87.60	-35.88	10.17	31.01	99.6	99.6	.000	0	.000	0
155-	261	243	2.172	4	.0	16.99	81.88	37.06	-10.33	28.26	99.6	99.6	.000	0	.000	0
148-	281	243	1.947	4	.0	10.46	81.88	-26.81	8.48	29.96	99.9	99.9	.000	0	.000	0
271-	204	265	2.378	4	.0	-35.78	47.53	-2.72	2.42	28.73	59.8	59.8	.000	0	.000	0
221-	201	265	1.559	4	.0	38.46	-35.00	1.42	-.54	-23.45	59.8	59.8	.000	0	.000	0
251-	311	265	23.995	4	90.1	-20.62	-9.87	5.18	2.51	13.00	119.9	119.9	.000	0	.000	0
123-	155	J08	5.419	4	18.9	-3.62	286.30	1.53	-.12	-58.26	78.8	78.8	.000	0	.000	0
124-	146	J08	5.485	4	18.9	-4.38	288.54	-2.37	-.02	-58.37	78.8	78.8	.000	0	.000	0
144-	146	J08	5.815	4	12.9	.52	313.32	-4.68	-.82	-97.69	53.9	53.9	.000	0	.000	0
146-	164	J08	1.472	4	18.9	4.41	-73.94	-1.25	-.70	12.36	78.8	78.8	.000	0	.000	0
155-	143	J08	5.879	4	.0	.71	316.58	-3.78	.63	99.64	53.9	53.9	.000	0	.000	0
155-	163	J08	1.631	4	18.9	4.18	-82.86	1.06	.62	13.93	78.8	78.8	.000	0	.000	0
123-	101	J11	143.146	4	.0	-30.09	-99.38	-59.10	9.43	-15.51	130.9	130.9	.000	0	.000	0
124-	102	J11	143.164	4	.0	-30.41	-98.71	60.45	-9.39	-15.38	130.9	130.9	.000	0	.000	0
163-	103	J11	2.280	4	.0	16.19	100.90	-20.06	3.68	16.09	130.9	130.9	.000	0	.000	0
164-	104	J11	2.431	4	.0	18.02	107.31	17.64	-3.33	17.16	130.9	130.9	.000	0	.000	0
121-	123	J16	3.326	4	35.0	6.83	-171.05	-.67	.38	56.54	76.6	76.6	.000	0	.000	0
123-	125	J16	3.339	4	.0	.04	-180.25	2.49	-1.13	-52.10	74.2	74.2	.000	0	.000	0
124-	131	J16	3.330	4	.0	7.35	-170.58	-3.70	1.58	-56.44	76.6	76.6	.000	0	.000	0
125-	124	J16	3.392	4	33.9	.25	-182.87	1.32	.32	52.71	74.2	74.2	.000	0	.000	0
161-	163	J16	3.096	4	35.0	-5.56	160.22	-1.98	-.74	-50.42	76.6	76.6	.000	0	.000	0
163-	165	J16	2.379	4	.0	-.79	127.13	.95	-.38	35.02	74.2	74.2	.000	0	.000	0
164-	171	J16	3.312	4	.0	-7.12	168.64	-.75	.05	52.91	76.6	76.6	.000	0	.000	0

*** Member Group Summary Report ***

Group I - Unity Checks Greater Than 1.33

Member	Group	Maximum Unity	Load Case	Dist From End(Ft)	Axial Stress /---- (KSI)	Bending Stress Y Z (KSI)	Shear Force Fy Fz (Kips)	KLY/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
165-164	J16	2.460	4	33.9	.45	132.25 .76	.38 -37.45	74.2	74.2	.000	0	.000	0
123-143	J20	2.431	4	.0	-1.39	-129.34 5.32	-9.09 -225.43	24.4	24.4	.000	0	.000	0
124-144	J20	2.451	4	.0	-.76	-131.27 -4.77	7.82 -228.93	24.4	24.4	.000	0	.000	0
143-163	J20	2.321	4	13.8	-1.42	123.46 -1.15	-.09 -126.75	24.4	24.4	.000	0	.000	0
144-164	J20	2.389	4	13.8	-.79	127.92 1.54	1.19 -132.19	24.4	24.4	.000	0	.000	0
111-145	J24	3.284	4	.0	3.85	-171.59 -17.74	13.70 -154.73	67.4	67.4	.000	0	.000	0
121-155	J24	3.133	4	.0	3.15	-165.18 -5.11	5.40 -144.09	67.4	67.4	.000	0	.000	0
131-146	J24	3.198	4	.0	4.05	-167.61 -1.14	-.90 -147.14	67.4	67.4	.000	0	.000	0
141-148	J24	3.399	4	.0	5.04	-176.95 10.43	-8.68 -159.99	67.4	67.4	.000	0	.000	0
145-151	J24	1.575	4	.0	-3.43	79.47 -2.25	3.18 49.14	67.4	67.4	.000	0	.000	0
146-171	J24	1.756	4	.0	-3.42	89.15 5.02	-4.01 57.39	67.4	67.4	.000	0	.000	0
148-181	J24	1.594	4	.0	-3.55	80.22 4.65	-6.10 47.80	67.4	67.4	.000	0	.000	0
155-161	J24	1.757	4	.0	-4.10	88.21 -2.95	1.69 58.06	67.4	67.4	.000	0	.000	0
148-131	J25	1.404	4	78.8	-5.72	-53.83 -.48	-2.72 21.09	113.8	113.8	.000	0	.000	0
241-271	K24	1.467	4	.0	-6.02	-36.60 -1.24	2.38 -12.65	143.4	143.4	.000	0	.000	0
241-281	K24	2.702	4	.0	-12.84	-51.73 3.87	-1.40 -18.63	116.6	116.6	.000	0	.000	0
254-261	K24	1.361	4	40.6	-15.90	43.98 -2.29	-1.64 -14.90	58.3	58.3	.000	0	.000	0
331-381	L24	142.434	4	.0	-18.71	-8.51 1.74	-3.72 -4.90	127.1	127.1	.000	0	.000	0
111-211	LG2	1.579	4	52.6	-3.23	-49.69 -49.35	-110.67 110.57	42.7	42.7	.000	0	.000	0
141-241	LG2	1.395	4	52.6	-2.42	-47.16 40.94	104.70 109.38	42.7	42.7	.000	0	.000	0
181-281	LG2	1.340	4	52.6	.30	44.26 44.50	47.15 -51.14	42.7	42.7	.000	0	.000	0
211-311	LG2	1.474	4	5.0	-3.80	-45.62 -45.50	74.32 -73.87	38.6	38.6	.000	0	.000	0
281-381	LG2	1.376	4	5.0	3.83	42.83 42.85	-93.68 92.35	38.6	38.6	.000	0	.000	0
251-207	LG3	1.550	4	5.0	7.38	64.73 4.99	-7.21 118.75	22.3	22.3	.000	0	.000	0

*** Member Group Summary Report ***

Group I - Unity Checks Greater Than 1.33

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	KLX/RX	KLZ/RZ	Unity	Load	Unity	Load	
		CK	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips)	-/			Check	Case	Check	Case	
271-	208	LG3	1.538	4	5.0	13.76	57.09	-6.22	18.18	108.53	22.3	22.3	.000	0	.000	0
101-	221	LG4	2.759	4	17.1	9.66	-119.25	5.23	75.66	524.28	16.2	16.2	.000	0	.000	0
102-	231	LG4	2.745	4	17.1	10.23	-118.01	-3.07	-71.49	525.57	16.2	16.2	.000	0	.000	0
103-	261	LG4	1.337	4	17.1	-.57	62.14	3.40	58.74	-195.15	16.2	16.2	.000	0	.000	0
104-	271	LG4	1.699	4	17.1	-.26	79.45	-5.56	-61.98	-237.01	16.2	16.2	.000	0	.000	0
221-	202	LG7	1.407	4	.0	-3.67	-70.09	5.37	-24.75	-390.62	19.5	19.5	.000	0	.000	0
231-	203	LG7	1.561	4	.0	.01	-83.10	-4.27	14.39	-528.67	19.5	19.5	.000	0	.000	0
441-	471	M20	143.543	4	.0	-34.58	-2.51	-2.59	4.04	-2.12	135.4	135.4	.000	0	.000	0
123-	199	SIH	1.443	4	.0	-5.36	-70.08	2.40	-1.34	-26.54	47.2	47.2	.000	0	.000	0
124-	199	SIH	1.399	4	.0	-5.85	-68.18	-2.63	1.54	-27.15	47.2	47.2	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Combined Unity CK	Load Case NO.	Dist From End(Ft)	Axial Stress /---- (KSI)	Bending Stress Y Z	Shear Force Fy Fx /-- (Kips) --/	KL _V /R _V	KL _Z /R _Z	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
531- 641	165	1.168	4	52.6	-12.49	.33 17.01	13.37 -1.95	115.0	115.0	.000	0	.000	0
561- 621	205	1.117	4	59.4	-18.79	-7.48 -1.65	-.69 6.60	103.4	103.4	.000	0	.000	0
304- 471	245	1.301	4	39.5	41.85	17.19 3.83	2.15 -14.75	57.1	57.1	.000	0	.000	0
361- 301	245	1.016	4	.0	-29.49	-7.63 1.38	-.31 -6.60	57.1	57.1	.000	0	.000	0
204- 331	265	1.128	4	.0	-27.38	-14.17 1.26	.89 -12.16	59.8	59.8	.000	0	.000	0
241- 381	265	1.185	4	.0	20.94	-36.17 6.14	-2.42 -12.83	119.9	119.9	.000	0	.000	0
121- 145	J25	1.230	4	.0	-4.19	-53.07 -3.98	3.78 -20.92	113.8	113.8	.000	0	.000	0
211- 251	K24	1.136	4	.0	9.80	-45.23 -7.92	2.13 -17.63	116.6	116.6	.000	0	.000	0
221- 253	K24	1.147	4	.0	-13.12	-42.10 -3.93	2.42 -22.46	47.6	47.6	.000	0	.000	0
231- 255	K24	1.201	4	.0	18.98	-37.43 -8.95	4.62 -15.22	58.3	58.3	.000	0	.000	0
255- 271	K24	1.038	4	40.6	17.99	30.90 -5.63	-3.55 -7.30	58.3	58.3	.000	0	.000	0
151- 251	LG2	1.005	4	52.6	-.27	35.10 -31.22	-27.26 -36.73	42.7	42.7	.000	0	.000	0
381- 481	LG2	1.147	4	5.0	11.85	-29.20 -28.91	91.64 -91.77	34.8	34.8	.000	0	.000	0
241- 341	LG3	1.029	4	5.0	-12.39	-23.19 26.14	-11.29 -7.78	38.6	38.6	.000	0	.000	0
251- 351	LG3	1.035	4	5.0	14.15	22.62 -24.43	13.77 11.92	38.6	38.6	.000	0	.000	0
331- 303	LG3	1.010	4	23.4	-23.97	-21.03 .31	5.98 131.64	17.1	17.1	.000	0	.000	0
464- 471	M10	1.143	4	.0	-22.72	17.97 -1.93	.07 3.17	69.8	69.8	.000	0	.000	0
421- 451	M20	1.081	4	.0	-11.02	-3.72 -7.14	5.17 -1.71	135.4	135.4	.000	0	.000	0
162- 262	PL2	1.087	4	.0	-13.29	40.66 4.01	-14.51 72.81	50.3	50.3	.000	0	.000	0
172- 272	PL2	1.120	4	.0	-13.99	41.21 3.55	-12.34 69.83	50.3	50.3	.000	0	.000	0
182- 282	PL2	1.165	4	.0	-14.24	27.81 33.17	-67.75 50.74	50.6	50.6	.000	0	.000	0
252- 352	PL3	1.096	4	4.8	-19.58	22.56 -23.18	34.57 35.50	42.8	42.8	.000	0	.000	0
262- 362	PL3	1.101	4	4.8	-22.55	27.72 -1.01	1.76 40.85	42.6	42.6	.000	0	.000	0
272- 372	PL3	1.178	4	4.8	-23.75	29.98 -.64	1.17 46.35	42.6	42.6	.000	0	.000	0

*** 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	Bending Stress Y	Bending Stress Z	Shear Force Fy	Shear Force Fx	KLY/Ry	KLZ/Rz	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
JA -JB	ID	CK	NO.	End (Ft)	/--- (KSI) ---/	Y	Z	/-- (Kips) --/							
282-	382	PL3	4	4.8	-24.18	19.10	17.74	-21.67	26.13	42.8	42.8	.000	0	.000	0
199-	163	SIH	4	16.8	4.28	58.56	-1.07	-.70	-25.71	47.2	47.2	.000	0	.000	0
199-	164	SIH	4	16.8	3.48	64.80	.77	.47	-30.30	47.2	47.2	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Combined Unity CK	Load Case NO.	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y (KSI)	Z ----/	Shear Force Fy /--- (Kips) --/	Fx	KLY/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
521- 631	165	.421	4	.0	-1.24	3.82	18.97	-15.03	2.22	122.3	122.3	.000	0	.000	0
581- 671	165	.498	4	.0	-2.56	-4.99	-19.45	14.57	-3.52	120.9	120.9	.000	0	.000	0
321- 431	185	.237	4	63.3	-1.39	.11	8.99	8.40	-.70	122.7	122.7	.000	0	.000	0
451- 561	185	.398	4	.0	-1.66	-4.47	16.52	-12.34	-3.25	120.3	120.3	.000	0	.000	0
461- 571	185	.345	4	.0	5.17	-4.11	11.45	-10.71	-3.17	115.7	115.7	.000	0	.000	0
471- 581	185	.486	4	.0	8.57	-4.11	14.99	-12.45	-3.26	114.5	114.5	.000	0	.000	0
371- 461	185	.253	4	.0	2.61	-3.29	-9.85	7.16	-2.12	122.7	122.7	.000	0	.000	0
421- 511	185	.420	4	.0	-3.10	3.54	-14.71	12.30	2.09	114.5	114.5	.000	0	.000	0
431- 521	185	.256	4	.0	-.84	2.65	-11.44	10.97	1.73	115.7	115.7	.000	0	.000	0
311- 421	205	.341	4	.0	4.20	1.75	13.06	-9.85	.91	119.9	119.9	.000	0	.000	0
231- 321	205	.154	4	67.1	-.43	.75	-7.17	-8.31	-.93	116.7	116.7	.000	0	.000	0
346- 304	205	.363	4	.0	-.90	-18.32	.76	-.09	-19.71	44.0	44.0	.000	0	.000	0
251- 371	205	.266	4	.0	-1.42	3.05	-10.34	-2.08	-.62	116.7	116.7	.000	0	.000	0
381- 471	205	.297	4	.0	4.60	-2.95	-9.84	8.96	-2.63	119.9	119.9	.000	0	.000	0
511- 651	205	.412	4	59.5	7.52	9.11	9.06	3.92	-7.42	103.6	103.6	.000	0	.000	0
531- 671	205	.386	4	59.4	10.36	7.49	2.56	.93	-7.37	103.4	103.4	.000	0	.000	0
201- 321	243	.114	4	.0	3.12	-2.10	.20	.30	-3.93	58.7	58.7	.000	0	.000	0
304- 431	243	.279	4	35.9	-6.32	-5.80	-.21	-.17	6.16	51.5	51.5	.000	0	.000	0
221- 311	243	.392	4	72.4	-7.42	-3.21	-2.44	-8.96	1.82	104.0	104.0	.000	0	.000	0
321- 301	243	.125	4	.0	-3.17	1.08	-1.22	.47	.74	62.3	62.3	.000	0	.000	0
271- 381	243	.470	4	72.4	10.05	-2.97	11.61	11.72	3.91	104.0	104.0	.000	0	.000	0
201- 343	245	.148	4	25.9	4.97	.21	-1.73	-.60	-3.24	37.4	37.4	.000	0	.000	0
202- 201	245	.306	4	35.5	-10.29	-1.34	.07	.15	2.33	51.2	51.2	.000	0	.000	0
301- 343	245	.150	4	23.4	4.88	1.31	1.45	1.03	-3.85	33.7	33.7	.000	0	.000	0

*** 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 /----	Bending Stress Y Z	Shear Force Fy Fx	KLY/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case			
JA -JB	ID	CK			(/----)	(KSI)	(/-- (Kips))									
302-	301	245	.146	4	.0	-2.97	-3.40	.58	-.50	-3.24	51.2	51.2	.000	0	.000	0
303-	304	245	.256	4	.0	5.73	-6.27	-1.91	.71	-5.47	44.5	44.5	.000	0	.000	0
131-	241	263	.375	4	.0	-1.13	1.72	16.24	-11.54	-1.92	105.9	105.9	.000	0	.000	0
161-	251	263	.352	4	79.9	5.67	-3.58	10.37	-3.16	5.11	105.9	105.9	.000	0	.000	0
111-	221	265	.330	4	84.0	2.21	-2.52	-14.39	.61	2.46	111.8	111.8	.000	0	.000	0
121-	231	265	.474	4	71.4	1.89	-5.16	-21.97	-5.35	2.31	95.1	95.1	.000	0	.000	0
171-	261	265	.296	4	71.4	3.73	5.13	9.71	-3.47	.12	95.1	95.1	.000	0	.000	0
181-	271	265	.217	4	84.0	-1.80	-2.33	6.86	-5.73	3.96	111.8	111.8	.000	0	.000	0
700-	900	CR2	.108	4	.0	-.08	-5.73	.00	.00	-108.22	11.8	11.8	.000	0	.000	0
111-	115	J20	.201	4	.0	-.98	-2.67	-8.93	1.70	-1.38	59.0	59.0	.000	0	.000	0
115-	121	J20	.205	4	30.4	-.98	4.88	8.30	8.46	-3.07	53.7	53.7	.000	0	.000	0
131-	135	J20	.105	4	.0	-.19	5.13	1.64	-4.38	3.43	53.7	53.7	.000	0	.000	0
135-	141	J20	.080	4	33.4	-.19	-3.65	-1.73	2.39	1.74	59.0	59.0	.000	0	.000	0
151-	159	J20	.043	4	33.4	-.33	.71	-1.67	.27	-1.11	59.0	59.0	.000	0	.000	0
159-	161	J20	.072	4	30.4	-.33	3.16	1.25	3.33	-1.91	53.7	53.7	.000	0	.000	0
171-	175	J20	.107	4	.0	1.73	2.06	2.95	-4.47	1.70	53.7	53.7	.000	0	.000	0
175-	181	J20	.073	4	.0	1.73	-.04	-1.80	-1.41	.89	59.0	59.0	.000	0	.000	0
145-	161	J25	.302	4	.0	3.96	10.72	3.11	-3.79	-.16	113.8	113.8	.000	0	.000	0
171-	148	J25	.329	4	78.8	5.16	10.94	2.01	3.27	.12	113.8	113.8	.000	0	.000	0
223-	254	K08	.219	4	18.9	-3.88	4.60	-2.26	-.57	-.48	77.2	77.2	.000	0	.000	0
224-	255	K08	.106	4	.0	-2.05	-1.54	1.53	-.49	-.23	77.2	77.2	.000	0	.000	0
244-	255	K08	.045	4	.0	-1.11	-.16	.78	-.57	.04	52.8	52.8	.000	0	.000	0
254-	243	K08	.205	4	12.9	.77	10.10	-.64	.15	-1.68	52.8	52.8	.000	0	.000	0
254-	263	K08	.318	4	18.9	3.82	12.40	.41	.28	-1.79	77.2	77.2	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Combined Unity	Load Case NO.	Dist From End(Ft)	Axial Stress /---- ()	Bending Stress Y (KSI)	Z ()	Shear Force Fy /--- (Kips) ~/	Fx	KLY/RY	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
255- 264	K08	.092	4	.0	2.28	-1.90	-.97	.43	-.28	77.2	77.2	.000	0	.000	0
221- 225	K11	.165	4	22.5	3.32	-4.71	-.83	1.07	1.49	62.3	62.3	.000	0	.000	0
225- 231	K11	.218	4	22.5	-.81	2.99	10.07	3.80	-1.59	62.3	62.3	.000	0	.000	0
261- 265	K11	.201	4	22.5	-2.46	7.00	.49	.49	-2.14	62.3	62.3	.000	0	.000	0
265- 271	K11	.267	4	22.5	-5.73	-4.94	-3.30	.03	2.18	62.3	62.3	.000	0	.000	0
223- 224	K12	.080	4	19.2	-1.12	2.54	.81	1.18	-1.66	53.8	53.8	.000	0	.000	0
263- 264	K12	.164	4	.0	1.59	6.71	1.36	-1.43	3.98	53.8	53.8	.000	0	.000	0
221- 223	K13	.293	4	29.8	1.38	-13.52	3.96	1.24	.50	81.6	81.6	.000	0	.000	0
224- 206	K13	.374	4	.0	-1.03	-17.23	4.35	-.97	-3.37	110.8	110.8	.000	0	.000	0
225- 224	K13	.421	4	28.5	8.11	-12.57	1.08	.15	1.03	78.1	78.1	.000	0	.000	0
264- 271	K13	.383	4	.0	5.72	12.77	4.51	-1.44	.36	81.6	81.6	.000	0	.000	0
265- 264	K13	.437	4	28.5	6.51	15.43	-.39	.21	-1.20	78.1	78.1	.000	0	.000	0
211- 221	K18	.171	4	58.1	-.32	2.17	8.16	6.01	-.54	112.6	112.6	.000	0	.000	0
271- 281	K18	.176	4	.0	-.87	-3.54	6.50	-4.92	-1.72	112.6	112.6	.000	0	.000	0
223- 243	K20	.258	4	.0	-3.39	-9.25	1.86	-3.99	-12.78	24.4	24.4	.000	0	.000	0
224- 244	K20	.216	4	.0	4.19	-6.25	1.43	-3.91	-9.79	24.4	24.4	.000	0	.000	0
243- 263	K20	.294	4	13.8	-3.40	11.32	.70	2.48	-15.59	24.4	24.4	.000	0	.000	0
244- 264	K20	.265	4	13.8	4.17	8.74	2.48	5.43	-10.76	24.4	24.4	.000	0	.000	0
331- 346	L20	.210	4	.0	6.86	.33	-2.76	.62	.41	74.8	74.8	.000	0	.000	0
311- 361	L24	.294	4	88.5	3.35	-10.19	4.06	4.38	6.53	127.1	127.1	.000	0	.000	0
321- 343	L25	.084	4	35.5	-1.41	-2.41	.06	.41	3.11	51.2	51.2	.000	0	.000	0
343- 361	L25	.128	4	35.5	-1.59	-3.72	-2.51	-1.23	1.23	51.2	51.2	.000	0	.000	0
161- 103	LG3	.452	4	5.0	-3.51	16.90	.12	-28.38	15.32	26.0	26.0	.000	0	.000	0
171- 104	LG3	.488	4	35.2	-3.44	14.70	11.48	35.37	5.66	26.0	26.0	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Combined Unity CK	Load Case NO.	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y Z (KSI)	Shear Force Fy Fx /--- (Kips) -/	KLY/RX	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
321- 302	LG3	.446	4	23.4	-13.74	4.91 .46	16.43 -17.88	17.1	17.1	.000	0	.000	0
202- 205	LG7	.240	4	.0	-7.86	-3.08 .41	-24.99 -36.75	3.2	3.2	.000	0	.000	0
205- 321	LG7	.246	4	21.6	-7.92	1.62 -2.91	-15.44 -27.73	16.3	16.3	.000	0	.000	0
203- 206	LG7	.287	4	.0	-4.32	9.84 -1.41	13.64 72.44	3.2	3.2	.000	0	.000	0
206- 331	LG7	.245	4	.0	-4.37	7.36 -1.11	7.72 80.89	16.3	16.3	.000	0	.000	0
611- 712	LG7	.428	4	.0	-11.31	3.66 8.07	-116.40 93.12	2.0	2.0	.000	0	.000	0
631- 732	LG7	.492	4	.0	-13.35	9.73 .43	-3.35 183.51	2.0	2.0	.000	0	.000	0
641- 742	LG7	.487	4	.0	-13.14	8.16 -5.32	68.06 169.38	2.0	2.0	.000	0	.000	0
651- 752	LG7	.381	4	.0	13.42	-3.01 2.22	-49.40 -32.52	2.0	2.0	.000	0	.000	0
661- 762	LG7	.374	4	.0	14.60	.18 1.93	-19.22 -3.18	2.0	2.0	.000	0	.000	0
681- 782	LG7	.330	4	.0	12.93	-.05 -1.64	32.93 51.72	2.0	2.0	.000	0	.000	0
424- 446	MO8	.473	4	18.9	-9.62	8.17 2.41	.89 -1.14	77.2	77.2	.000	0	.000	0
443- 423	MO8	.207	4	.0	-4.01	4.05 1.36	-.72 .41	77.2	77.2	.000	0	.000	0
443- 463	MO8	.131	4	.0	3.68	-1.70 1.76	-.79 -.18	77.2	77.2	.000	0	.000	0
446- 464	MO8	.339	4	.0	9.79	-5.83 -1.73	.77 -.73	77.2	77.2	.000	0	.000	0
423- 507	MO9	.229	4	.0	-.23	-7.03 -9.61	2.65 -2.09	96.5	96.5	.000	0	.000	0
424- 506	MO9	.418	4	.0	-2.35	-14.70 10.08	-2.68 -3.04	96.5	96.5	.000	0	.000	0
463- 508	MO9	.261	4	.0	.63	9.96 -8.78	2.42 2.28	96.5	96.5	.000	0	.000	0
464- 505	MO9	.344	4	.0	2.29	11.93 10.22	-2.44 2.31	96.5	96.5	.000	0	.000	0
421- 423	M10	.241	4	21.4	3.54	-8.42 -1.56	.06 1.54	69.8	69.8	.000	0	.000	0
423- 425	M10	.252	4	.0	5.30	-6.92 .81	-.48 -.66	63.8	63.8	.000	0	.000	0
425- 424	M10	.435	4	19.5	-5.68	-15.73 -.22	.31 2.73	63.8	63.8	.000	0	.000	0
461- 463	M10	.417	4	21.4	-7.55	10.26 1.90	.94 -1.49	69.8	69.8	.000	0	.000	0
463- 465	M10	.164	4	.0	1.41	7.07 .76	-.64 .68	63.8	63.8	.000	0	.000	0

*** 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/RY	KLZ/RZ	Second-Highest	Third-Highest		
JA -JB	ID	Unity	Case	From	Stress	Y	Z	Fy	Fx			Unity	Load		
		CK	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips)	--/			Check	Case		
												Case	Case		
465- 464	M10	.305	4	19.5	-1.15	14.67	.17	.26	-2.31	63.8	63.8	.000	0	.000	0
421- 425	M11	.266	4	.0	-4.38	5.78	4.80	-3.45	2.38	62.3	62.3	.000	0	.000	0
425- 431	M11	.162	4	22.5	-1.04	5.89	3.98	3.32	-2.90	62.3	62.3	.000	0	.000	0
461- 465	M11	.245	4	.0	-5.19	-4.58	3.22	-3.11	-2.23	62.3	62.3	.000	0	.000	0
465- 471	M11	.314	4	22.5	-4.43	-6.65	7.47	4.26	2.99	62.3	62.3	.000	0	.000	0
423- 424	M12	.192	4	19.2	-3.03	-5.58	1.65	2.57	2.92	53.8	53.8	.000	0	.000	0
463- 464	M12	.103	4	19.2	1.18	3.85	1.35	2.33	-2.48	53.8	53.8	.000	0	.000	0
411- 421	M14	.245	4	48.3	1.67	1.13	11.09	6.21	-.45	120.3	120.3	.000	0	.000	0
471- 481	M14	.350	4	.0	-.30	-3.64	17.77	-7.20	-1.71	120.3	120.3	.000	0	.000	0
411- 451	M18	.342	4	.0	-3.63	-6.02	-6.34	1.86	-1.05	119.4	119.4	.000	0	.000	0
421- 443	M18	.242	4	.0	5.96	-5.05	2.43	-1.14	-1.69	59.7	59.7	.000	0	.000	0
431- 446	M18	.349	4	.0	-8.25	-6.44	-.15	-.26	-1.75	59.7	59.7	.000	0	.000	0
441- 481	M18	.426	4	61.6	-3.89	10.33	-6.70	-1.93	-1.86	119.4	119.4	.000	0	.000	0
443- 461	M18	.220	4	30.8	4.21	6.56	.87	.79	-1.55	59.7	59.7	.000	0	.000	0
446- 471	M18	.499	4	30.8	-12.62	7.14	2.10	.78	-1.79	59.7	59.7	.000	0	.000	0
463- 423	M21	.068	4	.0	.67	2.79	.37	-.27	4.34	48.7	48.7	.000	0	.000	0
464- 424	M21	.156	4	27.6	-1.92	-5.61	.11	-.07	6.78	48.7	48.7	.000	0	.000	0
521- 561	M16	.166	4	.0	-2.18	-3.41	-.93	.09	-.81	115.8	115.8	.000	0	.000	0
531- 571	M16	.245	4	.0	-2.28	-7.47	-1.28	.18	-1.82	115.8	115.8	.000	0	.000	0
626- 643	PO8	.328	4	16.2	-9.11	1.52	-2.76	-1.09	-.35	66.4	66.4	.000	0	.000	0
628- 646	PO8	.160	4	.0	-2.41	4.74	.76	-.86	.81	66.4	66.4	.000	0	.000	0
643- 666	PO8	.295	4	.0	8.69	-3.00	4.05	-1.41	-.41	66.4	66.4	.000	0	.000	0
646- 668	PO8	.141	4	16.2	2.82	1.80	-3.67	-1.25	-.29	66.4	66.4	.000	0	.000	0
621- 626	P10	.493	4	.0	15.15	4.40	6.29	-2.16	2.06	60.0	60.0	.000	0	.000	0

*** 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	Combined	Case	From	Stress	V	Z	Fy	Fz	KLY/RV	KLZ/RZ	Unity	Load			
		Unity	NO.	End(Ft)	/---- (	KSI	) ---/	/-- (Kips)	--/			Check	Case			
		CK			----								Case			
623-	625	P10	.071	4	13.2	.09	2.73	2.52	1.31	-1.49	43.1	43.1	.000	0	.000	0
625-	624	P10	.105	4	.0	-.79	-4.31	-1.49	-.09	-.84	43.1	43.1	.000	0	.000	0
626-	503	P10	.193	4	27.4	.41	7.33	-6.68	-3.41	-3.59	89.6	89.6	.000	0	.000	0
628-	502	P10	.179	4	27.4	-2.05	3.34	4.74	3.14	-2.61	89.6	89.6	.000	0	.000	0
631-	628	P10	.100	4	18.4	-.97	3.16	-2.28	-1.99	-1.22	60.0	60.0	.000	0	.000	0
663-	665	P10	.238	4	.0	4.50	5.55	4.64	-2.09	1.75	43.1	43.1	.000	0	.000	0
665-	664	P10	.177	4	.0	-3.89	2.05	3.44	-2.02	.23	43.1	43.1	.000	0	.000	0
666-	504	P10	.287	4	27.4	-1.76	-9.29	-7.81	-3.90	4.40	89.6	89.6	.000	0	.000	0
668-	501	P10	.185	4	27.4	.09	-7.01	6.98	3.48	3.79	89.6	89.6	.000	0	.000	0
668-	671	P10	.379	4	18.4	-7.94	1.45	8.56	2.56	-.21	60.0	60.0	.000	0	.000	0
611-	621	P12	.186	4	40.6	-.26	4.23	8.42	5.85	-2.23	112.3	112.3	.000	0	.000	0
621-	625	P12	.204	4	.0	1.67	5.22	7.24	-4.60	2.91	62.3	62.3	.000	0	.000	0
625-	631	P12	.100	4	22.5	2.02	2.26	1.79	3.02	-1.64	62.3	62.3	.000	0	.000	0
631-	641	P12	.166	4	.0	.68	4.38	6.81	-5.47	2.27	112.3	112.3	.000	0	.000	0
661-	665	P12	.098	4	.0	-.95	-3.62	1.17	-2.88	-1.35	62.3	62.3	.000	0	.000	0
665-	671	P12	.228	4	22.5	2.75	.84	8.86	5.11	-.10	62.3	62.3	.000	0	.000	0
671-	681	P12	.465	4	40.6	-5.22	1.55	11.53	6.35	-.43	112.3	112.3	.000	0	.000	0
621-	643	P14	.244	4	.0	8.01	-.96	3.00	-1.09	1.17	57.9	57.9	.000	0	.000	0
631-	646	P14	.415	4	23.1	-12.91	-.61	-2.57	-1.08	-.88	57.9	57.9	.000	0	.000	0
641-	681	P14	.262	4	46.1	-2.83	7.01	-1.07	-.51	-2.81	115.9	115.9	.000	0	.000	0
643-	661	P14	.226	4	23.1	3.60	6.27	4.47	1.87	-2.57	57.9	57.9	.000	0	.000	0
623-	624	P16	.057	4	19.3	-.32	1.41	2.21	3.85	-2.01	42.2	42.2	.000	0	.000	0
626-	628	P16	.107	4	19.3	-2.13	1.71	2.13	3.88	-2.18	42.2	42.2	.000	0	.000	0
663-	664	P16	.139	4	.0	.28	.96	7.09	-7.79	1.07	42.2	42.2	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Combined Unity CK	Load Case NO.	Dist From End(Ft)	Axial Stress /---- (	Bending Stress Y Z ) ----/ (	Shear Force Fy Fx ) ---/ (	KLY/RV	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
666- 668	P16	.137	4	.0	1.09	1.03 5.95	-6.97 1.13	42.2	42.2	.000	0	.000	0
621- 651	P18	.294	4	.0	-2.53	.24 -9.24	6.25 1.79	118.3	118.3	.000	0	.000	0
641- 671	P18	.358	4	61.4	9.44	4.36 -5.96	-5.48 -2.06	118.3	118.3	.000	0	.000	0
623- 626	P21	.025	4	4.1	-.05	-.69 1.08	6.87 .19	7.3	7.3	.000	0	.000	0
624- 628	P21	.045	4	4.1	-.23	1.16 -1.79	-13.65 -4.37	7.3	7.3	.000	0	.000	0
626- 666	P21	.081	4	19.9	.70	2.32 -2.63	-2.93 -5.79	35.1	35.1	.000	0	.000	0
628- 668	P21	.071	4	19.9	-1.31	-.90 -1.81	-1.06 .55	35.1	35.1	.000	0	.000	0
666- 663	P21	.142	4	.0	.94	1.51 -6.29	44.58 3.44	7.3	7.3	.000	0	.000	0
668- 664	P21	.086	4	.0	-.67	-.05 -3.79	26.74 .21	7.3	7.3	.000	0	.000	0
312- 412	PL4	.411	4	.0	8.66	-8.14 -7.90	34.54 -33.31	38.9	38.9	.000	0	.000	0
322- 422	PL4	.418	4	.0	9.00	-11.33 -.09	1.15 -44.57	38.7	38.7	.000	0	.000	0
332- 432	PL4	.379	4	.0	7.99	-10.45 -.13	.05 -41.95	38.7	38.7	.000	0	.000	0
342- 442	PL4	.360	4	.0	5.37	-8.98 9.00	-23.17 -28.17	38.9	38.9	.000	0	.000	0
412- 512	PL5	.389	4	.0	8.79	6.96 7.20	-17.73 17.22	34.7	34.7	.000	0	.000	0
422- 522	PL5	.368	4	.0	9.13	8.43 .40	-1.03 21.41	34.5	34.5	.000	0	.000	0
432- 532	PL5	.340	4	.0	8.13	8.18 -.11	1.23 25.44	34.5	34.5	.000	0	.000	0
442- 542	PL5	.202	4	.0	5.51	3.87 -1.12	3.24 9.58	34.7	34.7	.000	0	.000	0
512- 612	PL6	.339	4	36.2	9.03	-4.07 -5.70	-17.73 13.08	30.0	30.0	.000	0	.000	0
522- 622	PL6	.329	4	36.1	9.37	-6.02 -.34	-1.03 18.49	29.8	29.8	.000	0	.000	0
532- 632	PL6	.364	4	36.1	8.36	-9.19 .78	1.23 22.50	29.8	29.8	.000	0	.000	0
542- 642	PL6	.171	4	36.2	5.75	-1.60 1.24	3.24 5.40	30.0	30.0	.000	0	.000	0
612- 712	PL7	.339	4	.0	9.03	-4.07 -5.70	77.97 -24.05	2.2	2.2	.000	0	.000	0
622- 722	PL7	.329	4	.0	9.37	-6.02 -.34	9.10 -51.40	2.2	2.2	.000	0	.000	0
632- 732	PL7	.364	4	.0	8.36	-9.19 .78	-7.43 -90.05	2.2	2.2	.000	0	.000	0

*** Member Group Summary Report ***

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

Member JA -JB	Group ID	Maximum Combined Unity CK	Load Case NO.	Dist From End(Ft)	Axial Stress /---- (KSI)	Bending Stress Y Z /---/	Shear Force Fy Fx /--- (Kips) -/	KL _V /R _V	KL _Z /R _Z	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case
642-	742	.171	4	.0	5.75	-1.60 1.24	-27.02 12.13	2.2	2.2	.000	0	.000	0
712-	811	.149	4	3.0	-3.36	-3.17 2.14	-33.92 64.19	2.5	2.5	.000	0	.000	0
722-	821	.222	4	.0	-7.48	2.28 1.28	-7.37 121.57	2.5	2.5	.000	0	.000	0
732-	831	.188	4	3.0	-6.27	-2.18 .74	-10.77 87.03	2.5	2.5	.000	0	.000	0
742-	841	.306	4	.0	-8.65	3.83 -4.20	38.87 179.66	2.5	2.5	.000	0	.000	0
752-	851	.134	4	3.0	-4.31	-.90 -1.58	-13.03 48.06	2.5	2.5	.000	0	.000	0
762-	861	.228	4	.0	-5.99	4.14 2.44	-18.62 64.16	2.5	2.5	.000	0	.000	0
772-	871	.205	4	3.0	-6.59	-2.82 .21	-9.74 43.05	2.5	2.5	.000	0	.000	0
782-	881	.305	4	3.0	-9.45	-4.65 .47	12.09 115.29	2.5	2.5	.000	0	.000	0
223-	299	.152	4	.0	3.47	-3.85 .25	-.28 -2.35	47.2	47.2	.000	0	.000	0
224-	299	.124	4	.0	2.87	-2.81 -1.35	1.26 -.19	47.2	47.2	.000	0	.000	0
299-	263	.219	4	16.8	-3.23	6.93 -1.74	-1.45 -4.12	47.2	47.2	.000	0	.000	0
299-	264	.125	4	16.8	-1.74	4.18 .42	.38 -.80	47.2	47.2	.000	0	.000	0
423-	499	.146	4	16.8	3.40	-3.51 -.84	-.10 .78	47.2	47.2	.000	0	.000	0
424-	499	.215	4	.0	6.54	-3.23 -1.22	1.27 -2.01	47.2	47.2	.000	0	.000	0
463-	499	.172	4	.0	-4.75	2.11 1.11	-1.22 .13	47.2	47.2	.000	0	.000	0
499-	464	.282	4	.0	-8.08	-3.76 -.79	.09 -2.29	47.2	47.2	.000	0	.000	0
626-	699	.191	4	13.8	7.24	1.19 -.43	.30 -1.23	38.9	38.9	.000	0	.000	0
628-	699	.102	4	.0	1.79	1.22 -3.02	3.16 2.13	38.9	38.9	.000	0	.000	0
699-	666	.286	4	13.8	-8.20	1.28 -4.28	-3.64 -2.02	38.9	38.9	.000	0	.000	0
699-	668	.088	4	13.8	-2.51	.74 -.97	.61 -.35	38.9	38.9	.000	0	.000	0
811-	1	.184	4	2.3	-3.97	1.55 -4.69	22.17 -23.25	3.9	3.9	.000	0	.000	0
821-	2	.255	4	4.5	-8.80	2.57 -1.05	7.37 -16.33	3.9	3.9	.000	0	.000	0
831-	3	.230	4	2.3	-7.37	3.13 -.75	10.77 -3.21	3.9	3.9	.000	0	.000	0

*** Member Group Summary Report ***

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

Member	Group	Maximum Combined	Load Case	Dist From	Axial Stress	Bending Stress	Shear Force					Second-Highest	Third-Highest
JA -JB	ID	Unity CK	NO.	End(Ft)	/(KSI)	Y Z	Fy Fz	KLY/RV	KLZ/RZ	Unity Check	Load Case	Unity Check	Load Case
841-	4 IL1	.314	4	2.3	-10.24	-.96 4.02	-12.82 -36.29	3.9	3.9	.000	0	.000	0
1-	9 IL2	.180	4	.0	-3.96	2.19 -4.05	22.17 -21.04	13.9	13.9	.000	0	.000	0
2-	10 IL2	.280	4	14.4	-8.75	4.16 .31	7.37 -.41	13.9	13.9	.000	0	.000	0
3-	11 IL2	.230	4	.0	-7.37	3.19 -.44	10.77 -1.00	13.9	13.9	.000	0	.000	0
4-	13 IL2	.330	4	14.4	-10.19	4.91 1.29	-12.82 -18.16	13.9	13.9	.000	0	.000	0
9-	18 IL3	.154	4	7.1	-3.13	4.00 1.69	22.17 -2.20	7.0	7.0	.000	0	.000	0
18-	73 IL3	.123	4	.0	-2.59	3.09 1.28	-10.08 22.02	7.8	7.8	.000	0	.000	0
73-	81 IL2	.104	4	.0	-3.18	1.52 .53	-10.08 22.02	5.8	5.8	.000	0	.000	0
10-	19 IL3	.226	4	.0	-7.05	3.40 .25	7.37 -.41	7.0	7.0	.000	0	.000	0
19-	74 IL3	.131	4	.0	-3.35	2.77 .43	-.76 28.76	7.8	7.8	.000	0	.000	0
74-	83 IL2	.130	4	6.0	-4.11	-1.77 .39	-.76 28.76	5.8	5.8	.000	0	.000	0
11-	20 IL3	.176	4	7.1	-5.87	.31 2.06	10.77 17.84	7.0	7.0	.000	0	.000	0
20-	75 IL3	.075	4	.0	-2.63	.37 .61	-4.17 5.50	7.8	7.8	.000	0	.000	0
75-	84 IL2	.085	4	6.0	-3.21	-.53 -.01	-4.17 5.50	5.8	5.8	.000	0	.000	0
13-	21 IL3	.286	4	7.1	-8.18	5.19 .10	-12.82 -15.23	7.0	7.0	.000	0	.000	0
21-	76 IL3	.245	4	.0	-7.66	3.65 -.26	7.60 20.85	7.8	7.8	.000	0	.000	0
76-	85 IL2	.263	4	.0	-9.47	2.33 .46	7.60 20.85	5.8	5.8	.000	0	.000	0
851-	5 IL1	.163	4	4.5	-5.05	2.00 -1.38	12.51 -26.30	3.9	3.9	.000	0	.000	0
861-	6 IL1	.239	4	2.3	-7.02	3.41 2.29	-18.62 -7.63	3.9	3.9	.000	0	.000	0
871-	7 IL1	.229	4	2.3	-7.71	-2.71 .22	-9.74 -39.71	3.9	3.9	.000	0	.000	0
881-	8 IL1	.347	4	2.3	-11.10	-2.62 4.13	-32.03 -46.63	3.9	3.9	.000	0	.000	0
5-	14 IL2	.222	4	14.4	-5.00	5.48 .92	12.51 -12.15	13.9	13.9	.000	0	.000	0
6-	15 IL2	.237	4	.0	-7.02	3.60 1.75	-18.62 -5.49	13.9	13.9	.000	0	.000	0
7-	16 IL2	.258	4	14.4	-7.66	3.97 -1.85	-9.74 -23.43	13.9	13.9	.000	0	.000	0

*** 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 /----	Bending Stress Y Z	Shear Force Fy Fx	KLY/Ry	KLZ/RZ	Second-Highest Unity Check	Load Case	Third-Highest Unity Check	Load Case			
JA -JB	ID	Unity CK			(KSI)	()	(Kips)									
8-	17	TL2	.370	4	14.4	-11.04	5.54 -2.70	-32.03	-30.35	13.9	13.9	.000	0	.000	0	
14-	23	TL3	.199	4	7.1	-4.00	5.39	1.69	12.51	-12.15	7.0	7.0	.000	0	.000	0
23-	77	TL3	.133	4	.0	-2.61	3.74	.84	-5.75	24.19	7.8	7.8	.000	0	.000	0
77-	86	TL2	.115	4	.0	-3.21	2.10	.44	-5.75	24.19	5.8	5.8	.000	0	.000	0
15-	24	TL3	.194	4	7.1	-5.59	2.01	-2.76	-18.62	8.65	7.0	7.0	.000	0	.000	0
24-	78	TL3	.112	4	.0	-3.21	1.63	-1.10	7.51	13.33	7.8	7.8	.000	0	.000	0
78-	87	TL2	.108	4	.0	-3.95	.62	-.58	7.51	13.33	5.8	5.8	.000	0	.000	0
16-	25	TL3	.246	4	7.1	-6.15	4.99	-2.24	-9.74	-23.43	7.0	7.0	.000	0	.000	0
25-	79	TL3	.123	4	.0	-2.54	3.35	-.64	.44	21.45	7.8	7.8	.000	0	.000	0
79-	88	TL2	.111	4	.0	-3.12	1.90	-.74	.44	21.45	5.8	5.8	.000	0	.000	0
17-	26	TL3	.357	4	7.1	-8.87	6.79	-4.59	-32.03	-30.35	7.0	7.0	.000	0	.000	0
26-	80	TL3	.284	4	.0	-7.70	4.94	-2.81	24.41	32.68	7.8	7.8	.000	0	.000	0
80-	89	TL2	.273	4	.0	-9.52	2.70	-.93	24.41	32.68	5.8	5.8	.000	0	.000	0
83-	140	TL2	.019	4	.0	.23	-.73	-.05	.01	-16.79	2.3	2.3	.000	0	.000	0
87-	147	TL2	.028	4	.0	.26	-1.10	.02	-.59	-40.41	2.3	2.3	.000	0	.000	0
84-	149	TL2	.014	4	.0	.21	.44	-.23	-.73	15.35	2.3	2.3	.000	0	.000	0
88-	150	TL2	.022	4	2.4	.15	-.98	.27	.72	9.48	2.3	2.3	.000	0	.000	0

*** 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)
4-Loads	57.329	4028.594	-8337.991	3070364.000	995716.400	81021.980
Reactions	-57.398	-4028.548	8346.900	-3070228.000	-995509.000	-81011.480
Difference	-.069	.046	8.909	136.000	207.438	10.508
Max. Difference	-.069	.046	8.909	136.000	207.438	10.508
Load Case No.	4	4	4	4	4	4

Thursday 7/28/94 16:54:59

Input File Name:\NSTRUCAD\WDCOLLP\WDCOLLP

Output File Name:\NSTRUCAD\WDCOLLP\WDCOLLP.013

Time For PREP Module	=	0: 3:54
Time For LOAD Module	=	0:11:30
Time For SOLVE Module	=	0:42:48
Time For STRESS Module	=	0: 6:19

Total Processing Time	=	1: 4:33

*** 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)	.....	665
Number Of Piles	.....	9
Number Of Plates	.....	16
No. Of Basic Load Cases	.....	3
No. Of Combined Load Cases	...	1



8.4.4 WDCOLLP.OT4

Tubular Can Analysis pp. 1 - 3
Actual Member & Punching Allowable Stresses
for Members with U.C. > 1 pp. 4 - 14
(Not Printed pp. 15 - 61)
Joint Can Summary pp. 62 - 65
End Page p. 66

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

```

Thursday 7/28/94 16:55: 3

*** 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...S...0...5...0...S...0...5...0...S...0...5...0...S...0...5...0

- 1 LDCASE 4
- 2 AMOD 4 1.75
- 3 END

Common Joint	Chord Joint	Brace Joint	Chord		Comp. Fy	Alpha	Gap (in)	Brace		Brace Load /Chord/	Actual Stresses				Punching Shear			Unity Check			
			O.D. (In)	WT (In)				O.D. (In)	WT (In)		Angle (Deg)	Case	Fa+Fb	Fa	Out-Pl	In-Pl	Fa		Out-Pl	In-Pl	
101	121	123	46.00	.500	36.0	1.7	12.75	.500	47.49	4	34.29	-30.07	26.51	-48.74	.24	2.95	-5.78	200.000			
															Member Unity Check Based On 50% Of The Brace Effective Strength = 2.066						
101	121	123																Maximum Unity Check Based On 50% Of The Brace Effective Strength = 2.066			
102	131	124	46.00	.500	36.0	1.7	12.75	.500	47.49	4	32.74	-30.39	-24.80	-48.05	.47	3.28	-4.63	200.000			
															Member Unity Check Based On 50% Of The Brace Effective Strength = 2.066						
102	131	124																Maximum Unity Check Based On 50% Of The Brace Effective Strength = 2.066			
103	161	163	46.00	.500	36.0	1.7	12.75	.500	47.49	4	18.58	16.21	8.30	49.80	3.19	7.23	9.11	103.747			
															Member Unity Check Based On 50% Of The Brace Effective Strength = 2.066						
103	161	163																Maximum Unity Check Based On 50% Of The Brace Effective Strength = 2.066			
104	171	164	46.00	.500	36.0	1.7	12.75	.500	47.49	4	22.09	18.03	-6.99	54.09	2.71	6.54	6.71	104.898			
															Member Unity Check Based On 50% Of The Brace Effective Strength = 2.066						
104	171	164																Maximum Unity Check Based On 50% Of The Brace Effective Strength = 2.066			
111	211	221	46.00	1.000	36.0	1.0	-20.32	26.00	.500	41.34	4	32.17	2.35	11.51	-3.19	4.53	8.00	7.30	.502		
															Member Unity Check Based On 50% Of The Brace Effective Strength = .556						
111	211	115	46.00	1.000	36.0	2.4	20.00	.812	84.32	4	32.17	-.98	-9.16	-1.77	3.04	9.11	7.83	.885			
															Member Unity Check Based On 50% Of The Brace Effective Strength = 1.286						
111	211	145	46.00	1.000	36.0	1.7	24.00	.687	84.32	4	32.17	3.85	-.58	-172.50	3.73	8.31	7.45	250.475			
															Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133						

Common Joint	Chord Joint	Brace Joint	Chord		Comp.	Gap	Brace		Brace Load	Actual Stresses			Punching Shear			Unity Check			
			O.D.	WT			O.D.	WT		Angle	Case	Fa+Fb	Fa	Out-Pl	In-Pl		Allowable Stresses	Out-Pl	In-Pl
(In)	(In)	(In)	(KSI)	(In)	(In)	(In)	(In)	(Deg)		(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)		
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	4	29.20	2.03	16.55	-4.23	5.20	8.67	10.07	.513
										Member Unity Check Based On 50% Of The Brace Effective Strength =			.503						
121	101	123	46.00	1.000	36.0	2.4		16.00	.500	84.69	4	29.20	6.83	1.80	87.90	4.84	11.18	11.60	100.702
										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	4	29.20	-.98	-8.74	4.03	3.50	9.88	10.81	.796
										Member Unity Check Based On 50% Of The Brace Effective Strength =			1.292						
121	101	125	46.00	1.000	36.0	2.4		20.00	.812	90.00	4	29.20	-4.04	1.08	28.66	3.50	9.88	10.81	100.938
										Member Unity Check Based On 50% Of The Brace Effective Strength =			1.292						
121	101	155	46.00	1.000	36.0	2.4		24.00	.687	84.29	4	29.20	3.15	-5.11	-165.18	4.29	9.01	10.28	120.847
										Member Unity Check Based On 50% Of The Brace Effective Strength =			1.133						
121	101	145	46.00	1.000	36.0	2.4		24.00	.500	86.65	4	29.20	-4.19	.32	-53.21	3.28	9.01	10.28	100.638
										Member Unity Check Based On 50% Of The Brace Effective Strength =			.827						
121	101	115								Maximum Unity Check Based On 50% Of The Brace Effective Strength =			1.292						
123	143	155	20.00	.812	36.0	1.0	7.87	8.63	.500	43.15	4	130.84	-3.62	250.84	.43	-44.44	-50.68	-247.28	200.000
										Member Unity Check Based On 50% Of The Brace Effective Strength =			.358						
123	143	101	20.00	.812	36.0	1.7		12.75	.500	127.88	4	130.84	-30.09	.55	-115.62	-40.18	-42.11	-223.71	200.000
										Member Unity Check Based On 50% Of The Brace Effective Strength =			.448						

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-PI	In-PI	Fa	Out-PI	In-PI	Fa	Out-PI	In-PI	Fa	Out-PI	In-PI	Fa	Out-PI	In-PI	Check			
(In)	(In)	(In)	(In)	(In)	(KSI)	()	(In)	(In)	(In)	(In)	(In)	(In)	(In)	(In)	(In)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)			
123	143	124	20.00	.812	36.0	1.0	-.74	12.75	.687	90.00	4	130.84	-1.38	-39.47	-1.69	-51.15	-42.11	-223.71	200.000	Member Unity Check Based On 50% Of The Brace Effective Strength = .780											
123	143	121	20.00	.812	36.0	2.4		16.00	.500	158.94	4	130.84	6.83	171.05	.67	-38.36	-43.02	-213.70	200.000	Member Unity Check Based On 50% Of The Brace Effective Strength = .217											
123	143	125	20.00	.812	36.0	2.4		16.00	.500	163.58	4	130.84	.04	-180.25	-2.49	-38.36	-43.02	-213.70	200.000	Member Unity Check Based On 50% Of The Brace Effective Strength = .166											
123	143	199	20.00	.812	36.0	1.0	8.85	12.75	.687	34.81	4	130.84	-5.36	-70.08	-2.40	-40.18	-42.11	-223.71	200.000	Member Unity Check Based On 50% Of The Brace Effective Strength = .445											
123	143	124	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .780																												
124	144	146	20.00	.812	36.0	1.0	7.87	8.63	.500	43.15	4	132.12	-4.38	-249.63	-.08	-46.16	-52.93	-255.97	200.000	Member Unity Check Based On 50% Of The Brace Effective Strength = .358											
124	144	102	20.00	.812	36.0	1.7		12.75	.500	127.88	4	132.12	-30.41	.96	-115.74	-41.73	-43.98	-231.57	200.000	Member Unity Check Based On 50% Of The Brace Effective Strength = .448											
124	144	123	20.00	.812	36.0	1.0	-.74	12.75	.687	90.00	4	132.12	-1.38	39.29	-1.71	-53.13	-43.98	-231.57	200.000	Member Unity Check Based On 50% Of The Brace Effective Strength = .780											
124	144	131	20.00	.812	36.0	2.4		16.00	.500	158.34	4	132.12	7.35	-170.58	3.70	-39.85	-44.92	-221.21	200.000	Member Unity Check Based On 50% Of The Brace Effective Strength = .217											

Common Joint	Chord Joint	Brace Joint	Chord			Comp. Alpha	Gap	Brace			Brace Load	Actual Stresses				Punching Shear	Unity Check		
			O.D.	WT	Fy			O.D.	WT	Angle		Case	Fa+Fb	Fa	Out-Pl			In-Pl	Allowable Stresses
			(In)	(In)	(KSI)	(In)	(In)	(In)	(In)	(Deg)					(KSI)				
124	144	125	20.00	.812	36.0	2.4		16.00	.500	163.58	4	132.12	.25	182.87	-1.32	-39.85	-44.92-221.21	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .166																			
124	144	199	20.00	.812	36.0	1.0	8.85	12.75	.687	34.81	4	132.12	-5.85	68.18	-2.63	-41.73	-43.98-231.57	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .445																			
124	144	123	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .780																
125	121	123	20.00	.812	36.0	2.4		16.00	.500	73.58	4	38.03	.04	50.92	-2.02	8.02	16.67	21.20	100.003
Member Unity Check Based On 50% Of The Brace Effective Strength = .565																			
125	131	124	20.00	.812	36.0	1.8		16.00	.500	73.58	4	37.77	.25	-50.99	.45	8.08	16.74	21.47	100.018
Member Unity Check Based On 50% Of The Brace Effective Strength = .565																			
125	121	123	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .565																
131	102	241	46.00	1.000	36.0	2.4		26.00	.375	44.23	4	29.45	-1.14	16.33	-.60	3.11	8.55	9.56	.429
Member Unity Check Based On 50% Of The Brace Effective Strength = .441																			
131	102	124	46.00	1.000	36.0	2.4		16.00	.500	84.69	4	29.45	7.35	-7.78	87.70	4.72	11.02	11.00	100.774
Member Unity Check Based On 50% Of The Brace Effective Strength = .748																			
131	102	125	46.00	1.000	36.0	2.4		20.00	.812	90.00	4	29.45	-4.05	-10.27	28.52	3.41	9.73	10.25	100.964
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																			
131	102	135	46.00	1.000	36.0	2.4		20.00	.812	90.00	4	29.45	-.19	2.15	4.94	3.41	9.73	10.25	.328
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																			

Common Joint	Chord Joint	Brace Joint	Chord		Comp. Fy (KSI)	Alpha ()	Gap (In)	Brace		Brace Load (Deg)	Actual Stresses			Punching Shear			Unity Check		
			O.D. (In)	WT (In)				O.D. (In)	WT (In)		Angle (Deg)	Fa+Fb	Fa	Out-Pl (KSI)	In-Pl (KSI)	Fa		Out-Pl	In-Pl
131	102	146	46.00	1.000	36.0	2.4		24.00	.687	84.29	4	29.45	4.05	-1.14	-167.61	4.18	8.88	9.75	138.138
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																			
131	102	148	46.00	1.000	36.0	2.4		24.00	.500	86.65	4	29.45	-5.72	-3.86	-53.69	3.20	8.88	9.75	100.893
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	2.4		20.00	.812	84.32	4	33.71	-.19	2.08	-3.46	2.72	8.57	5.73	.408
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.286																			
141	241	148	46.00	1.000	36.0	1.7		24.00	.687	84.32	4	33.71	5.04	-7.23	-177.11	3.33	7.81	5.45	494.564
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																			
141	241	135	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.286																
143	123	155	20.00	.812	36.0	1.7		8.63	.500	90.00	4	37.41	.71	-312.71	2.40	8.85	19.06	22.30	102.018
Member Unity Check Based On 50% Of The Brace Effective Strength = .524																			
143	163	155	20.00	.812	36.0	1.7		8.63	.500	90.00	4	32.15	.71	312.71	-2.40	10.07	20.66	25.20	100.043
Member Unity Check Based On 50% Of The Brace Effective Strength = .524																			
143	123	155	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .524																
144	124	146	20.00	.812	36.0	1.7		8.63	.500	90.00	4	37.39	.52	-303.70	2.74	8.71	18.87	21.56	100.037
Member Unity Check Based On 50% Of The Brace Effective Strength = .524																			
144	164	146	20.00	.812	36.0	1.7		8.63	.500	90.00	4	31.99	.52	-303.70	-2.74	9.97	20.53	25.20	100.032
Member Unity Check Based On 50% Of The Brace Effective Strength = .524																			

Common Joint	Chord Joint	Brace Joint	Chord			Comp. Alpha	Gap (in)	Brace			Brace Load /Chord/ Angle (Deg)	Actual Stresses			Punching Shear			Unity Check		
			O.D. (in)	WT (in)	Fy (KSI)			O.D. (in)	WT (in)	Case		Fa+Fb	Fa	Out-Pl	In-Pl	Fa	Out-Pl		In-Pl	
144	124	146																		
Maximum Unity Check Based On 50% Of The Brace Effective Strength = .524																				
145	151	251	24.00	.687	36.0	1.6		24.00	.375	55.46	4	82.92	10.20	-13.64	-78.98	-10.33	-13.78	-65.53	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .628																				
145	111	121	24.00	.687	36.0	2.1		24.00	.500	54.03	4	132.75	-4.19	-26.71	1.81	-46.22	-72.01	-215.02	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .823																				
145	151	161	24.00	.687	36.0	1.0	-12.24	24.00	.500	54.03	4	82.92	3.96	10.72	-3.11	-14.90	-13.78	-65.53	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .823																				
145	111	121																		
Maximum Unity Check Based On 50% Of The Brace Effective Strength = .823																				
146	171	271	24.00	.687	36.0	1.7		24.00	.375	55.32	4	92.72	17.02	35.88	-87.60	-15.07	-23.13	-89.53	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .627																				
146	131	124	24.00	.687	36.0	2.4		8.63	.500	43.15	4	121.85	-4.38	288.54	-2.37	-32.17	-49.91	-223.01	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .573																				
146	131	144	24.00	.687	36.0	1.0	2.18	8.63	.500	90.00	4	121.85	.52	313.32	-4.68	-60.44	-49.91	-223.01	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .838																				
146	171	144	24.00	.687	36.0	1.0	2.18	8.63	.500	90.00	4	92.72	.52	-313.32	4.68	-28.46	-20.41	-113.89	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .838																				
146	171	164	24.00	.687	36.0	1.0	12.99	8.63	.500	43.15	4	92.72	4.41	-41.85	3.06	-19.20	-20.41	-113.89	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .573																				

Common Chord Brace			Chord		Comp.		Gap		Brace		Brace Load		Actual Stresses				Punching Shear			Unity
Joint	Joint	Joint	O.D.	WT	Fy	Alpha	O.D.	WT	Angle	Case	Fa+Fb	Fa	Out-Pi	In-Pi	Fa	Out-Pi	In-Pi	Check		
(In)	(In)	(In)	(In)	(In)	(KSI)	()	(In)	(In)	(In)	(Deg)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)	(KSI)			
155	161	143	24.00	.687	36.0	1.0	2.18	8.63	.500	90.00	4	92.96	.71	316.58	3.78	-27.50	-19.52	-110.60	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .838																				
155	161	163	24.00	.687	36.0	1.0	12.99	8.63	.500	43.15	4	92.96	4.18	47.49	2.48	-18.55	-19.52	-110.60	200.000	
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	2.4		26.00	.375	44.23	4	11.17	5.92	-6.90	.59	6.95	11.31	20.92	.346	
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	4	11.17	-5.56	5.10	-71.57	5.78	14.58	24.08	100.478	
Member Unity Check Based On 50% Of The Brace Effective Strength = .748																				
161	103	159	46.00	1.000	36.0	1.0	-19.39	20.00	.812	90.00	4	11.17	-.33	-.93	3.26	7.86	12.88	22.43	.118	
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																				
161	103	165	46.00	1.000	36.0	2.4		20.00	.812	90.00	4	11.17	4.46	6.92	-23.97	6.81	12.88	22.43	1.379	
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																				
161	103	155	46.00	1.000	36.0	2.4		24.00	.687	84.29	4	11.17	-4.10	-.34	-26.31	4.95	11.74	21.34	1.205	
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																				
161	103	145	46.00	1.000	36.0	2.4		24.00	.500	86.65	4	11.17	3.96	-1.47	-1.79	6.47	11.74	21.34	.353	
Member Unity Check Based On 50% Of The Brace Effective Strength = .627																				

Common Chord Brace			Chord				Brace				Actual Stresses				Punching Shear			Unity Check		
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	
(In)	(In)	(In)	(In)	(In)	(KSI)	()	(In)	(In)	(In)	(Deg)						(KSI)				
161	103	159																		
Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.292																				
163	143	155	20.00	.812	36.0	1.2	7.87	8.63	.500	43.15	4	124.88	4.18	-82.86	1.06	-39.22	-43.85	-220.90	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .358																				
163	143	103	20.00	.812	36.0	1.6		12.75	.500	127.88	4	124.88	16.19	34.79	96.81	-35.46	-36.44	-199.84	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .448																				
163	143	164	20.00	.812	36.0	1.0	-7.4	12.75	.687	90.00	4	124.88	.61	34.46	.96	-45.15	-36.44	-199.84	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .780																				
163	143	161	20.00	.812	36.0	2.4		16.00	.500	158.34	4	124.88	-5.56	160.22	-1.98	-28.20	-37.22	-190.90	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .217																				
163	143	165	20.00	.812	36.0	2.4		16.00	.500	163.58	4	124.88	-.79	-127.13	.95	-28.20	-37.22	-190.90	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .166																				
163	143	199	20.00	.812	36.0	1.3	8.85	12.75	.687	34.81	4	124.88	4.28	-58.56	1.07	-35.46	-36.44	-199.84	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .445																				
163	143	164																		
Maximum Unity Check Based On 50% Of The Brace Effective Strength = .780																				
164	144	146	20.00	.812	36.0	1.0	7.87	8.63	.500	43.15	4	128.72	4.41	73.94	1.26	-43.09	-48.92	-240.48	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .358																				
164	144	104	20.00	.812	36.0	1.7		12.75	.500	127.88	4	128.72	18.02	-40.17	101.06	-38.96	-40.65	-217.56	200.000	
Member Unity Check Based On 50% Of The Brace Effective Strength = .448																				

Common Joint	Chord Joint	Brace Joint	Chord				Brace				Actual Stresses			Punching Shear			Unity Check		
			O.D. (in)	WT (in)	Fy (KSI)	Alpha ()	Gap (in)	O.D. (in)	WT (in)	Angle (Deg)	Case	Fa+Fb	Fa	Out-PI (KSI)	In-PI	Allowable Fa		Out-PI	In-PI
164	144	163	20.00	.812	36.0	1.0	-.74	12.75	.687	90.00	4	128.72	.61	-20.98	.88	-49.60	-40.65	-217.56	200.000
Member Unity Check Based On 50% Of The Brace Effective Strength = .780																			
164	144	171	20.00	.812	36.0	2.4		16.00	.500	158.34	4	128.72	-7.12	-168.64	-.75	-30.98	-41.52	-207.82	200.000
Member Unity Check Based On 50% Of The Brace Effective Strength = .217																			
164	144	165	20.00	.812	36.0	1.0	8.85	16.00	.500	163.58	4	128.72	.45	132.25	.76	-37.20	-41.52	-207.82	200.000
Member Unity Check Based On 50% Of The Brace Effective Strength = .166																			
164	144	199	20.00	.812	36.0	1.1	8.85	12.75	.687	34.81	4	128.72	3.48	64.80	.77	-38.96	-40.65	-217.56	200.000
Member Unity Check Based On 50% Of The Brace Effective Strength = .445																			
164	144	163	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .780																
165	161	163	20.00	.812	36.0	1.4	-10.79	16.00	.500	73.58	4	23.85	-.79	29.10	.17	16.77	19.64	25.20	.766
Member Unity Check Based On 50% Of The Brace Effective Strength = .565																			
165	171	164	20.00	.812	36.0	1.0	-10.79	16.00	.500	73.58	4	24.97	.45	-34.81	.36	13.58	19.45	25.20	100.020
Member Unity Check Based On 50% Of The Brace Effective Strength = .565																			
165	161	163	Maximum Unity Check Based On 50% Of The Brace Effective Strength = .565																
171	104	261	46.00	1.000	36.0	2.4		26.00	.500	36.68	4	10.50	3.87	.67	-4.79	6.38	11.35	21.11	.226
Member Unity Check Based On 50% Of The Brace Effective Strength = .503																			
171	104	164	46.00	1.000	36.0	2.4		16.00	.500	84.69	4	10.50	-7.12	-3.27	-74.67	5.82	14.65	24.30	100.609
Member Unity Check Based On 50% Of The Brace Effective Strength = .748																			

Common Joint	Chord Joint	Brace Joint	Chord				Brace				Actual Stresses			Punching Shear			Unity Check		
			O.D. (In)	WT (In)	Fy (KSI)	Alpha	O.D. (In)	WT (In)	Angle (Deg)	Case	Fa+Fl	Fa	Out-Pl	In-Pl	Fa	Out-Pl		In-Pl	
171	104	165	46.00	1.000	36.0	2.4	20.00	.812	90.00	4	10.50	4.29	-4.53	-21.95	6.85	12.93	22.64	1.140	
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	4	10.50	1.73	2.73	2.34	6.85	12.93	22.64	.327	
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.292																			
171	104	146	46.00	1.000	36.0	2.4	24.00	.687	84.29	4	10.50	-3.42	2.80	-24.06	4.98	11.79	21.54	1.040	
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																			
171	104	148	46.00	1.000	36.0	2.4	24.00	.500	86.65	4	10.50	5.16	2.67	-1.65	6.51	11.79	21.54	.471	
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	1.0	-20.32	26.00	.500	41.34	4	1.75	-1.65	1.73	-1.91	8.21	11.65	22.35	.103
Member Unity Check Based On 50% Of The Brace Effective Strength = .556																			
181	281	175	46.00	1.000	36.0	2.4	20.00	.812	84.32	4	1.75	1.73	1.22	-.96	7.11	13.28	23.97	.248	
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.286																			
181	281	148	46.00	1.000	36.0	1.9	24.00	.687	84.32	4	1.75	-3.55	8.63	-13.52	6.35	12.11	22.80	.820	
Member Unity Check Based On 50% Of The Brace Effective Strength = 1.133																			
181	281	175	Maximum Unity Check Based On 50% Of The Brace Effective Strength = 1.286																
199	123	124	12.75	.687	36.0	1.4	12.75	.687	69.63	4	7.82	-5.85	-5.91	-.97	14.61	25.20	25.20	.518	
Member Unity Check Based On 50% Of The Brace Effective Strength = .696																			

*** Joint Can Summary ***

/---- Joints ----/				Load Case	/----- Chord -----/			/----- Brace -----/			Unity Check	/50% Eff. Strength/	
Conn.	Chord	Brace	Diameter (In)		Thickness (In)	Yld Strs (KSI)	Diameter (In)	Thickness (In)	Yld Strs (KSI)	Brace Joint		Unity Check	
101	121	123	4	46.000	.500	36.000	12.750	.500	36.000	200.000	123	2.066	
102	131	124	4	46.000	.500	36.000	12.750	.500	36.000	200.000	124	2.066	
103	161	163	4	46.000	.500	36.000	12.750	.500	36.000	103.747	163	2.066	
104	171	164	4	46.000	.500	36.000	12.750	.500	36.000	104.898	164	2.066	
111	211	145	4	46.000	1.000	36.000	24.000	.687	36.000	250.475	115	1.286	
121	101	155	4	46.000	1.000	36.000	24.000	.687	36.000	120.847	115	1.292	
123	143	155	4	20.000	.812	36.000	8.625	.500	36.000	200.000	124	.780	
124	144	146	4	20.000	.812	36.000	8.625	.500	36.000	200.000	123	.780	
125	121	123	4	20.000	.812	36.000	16.000	.500	36.000	100.003	123	.565	
125	131	124	4	20.000	.812	36.000	16.000	.500	36.000	100.018	123	.565	
131	102	146	4	46.000	1.000	36.000	24.000	.687	36.000	138.138	125	1.292	
141	241	148	4	46.000	1.000	36.000	24.000	.687	36.000	494.564	135	1.286	
143	123	155	4	20.000	.812	36.000	8.625	.500	36.000	102.018	155	.524	
143	163	155	4	20.000	.812	36.000	8.625	.500	36.000	100.043	155	.524	
144	124	146	4	20.000	.812	36.000	8.625	.500	36.000	100.037	146	.524	
144	164	146	4	20.000	.812	36.000	8.625	.500	36.000	100.032	146	.524	
145	151	251	4	24.000	.687	36.000	24.000	.375	36.000	200.000	121	.823	
145	111	121	4	24.000	.687	36.000	24.000	.500	36.000	200.000	121	.823	
146	171	271	4	24.000	.687	36.000	24.000	.375	36.000	200.000	144	.838	
146	131	124	4	24.000	.687	36.000	8.625	.500	36.000	200.000	144	.838	
148	181	281	4	24.000	.687	36.000	24.000	.375	36.000	200.000	131	.823	
148	141	131	4	24.000	.687	36.000	24.000	.500	36.000	200.000	131	.823	
151	251	145	4	46.000	1.000	36.000	24.000	.687	36.000	.765	159	1.286	
155	161	261	4	24.000	.687	36.000	24.000	.375	36.000	200.000	143	.838	
155	121	123	4	24.000	.687	36.000	8.625	.500	36.000	200.000	143	.838	
161	103	163	4	46.000	1.000	36.000	16.000	.500	36.000	100.478	159	1.292	
163	143	155	4	20.000	.812	36.000	8.625	.500	36.000	200.000	164	.780	
164	144	146	4	20.000	.812	36.000	8.625	.500	36.000	200.000	163	.780	
165	161	163	4	20.000	.812	36.000	16.000	.500	36.000	.766	163	.565	
165	171	164	4	20.000	.812	36.000	16.000	.500	36.000	100.020	163	.565	
171	104	164	4	46.000	1.000	36.000	16.000	.500	36.000	100.609	165	1.292	
181	281	148	4	46.000	1.000	36.000	24.000	.687	36.000	.820	175	1.286	
199	123	124	4	12.750	.687	36.000	12.750	.687	36.000	.518	124	.696	
199	164	163	4	12.750	.687	36.000	12.750	.687	36.000	.536	124	.696	
201	221	253	4	26.000	.500	36.000	20.000	.500	36.000	.910	343	1.563	
201	361	343	4	26.000	.500	36.000	24.000	.500	36.000	.482	343	1.563	
202	205	201	4	46.000	1.000	36.000	24.000	.500	36.000	.802	201	.825	
203	206	204	4	46.000	1.000	36.000	24.000	.500	36.000	1.458	204	.825	
204	331	203	4	26.000	.500	36.000	24.000	.500	36.000	100.883	231	1.416	
205	202	223	4	46.000	1.000	36.000	12.750	.375	36.000	.161	223	.385	
206	203	224	4	46.000	1.000	36.000	12.750	.375	36.000	.095	224	.385	
207	261	263	4	46.000	.500	36.000	12.750	.375	36.000	100.659	263	1.542	
208	271	264	4	46.000	.500	36.000	12.750	.375	36.000	100.261	264	1.542	
211	311	221	4	46.000	1.000	36.000	18.000	.500	36.000	200.000	221	.771	
221	202	311	4	46.000	1.000	36.000	24.000	.375	36.000	200.000	211	.775	
221	101	111	4	46.000	1.000	36.000	26.000	.500	36.000	200.000	211	.775	
223	243	205	4	20.000	.812	36.000	12.750	.375	36.000	.300	224	.780	
224	244	231	4	20.000	.812	36.000	12.750	.375	36.000	.258	223	.780	
225	221	223	4	12.750	.500	36.000	12.750	.375	36.000	.313	223	.720	

*** Joint Can Summary ***

/----- Chord -----/				/----- Brace -----/				/50% Eff. Strength/				
Jointz	Load	Diameter	Thickness	Yld Strs	Diameter	Thickness	Yld Strs	Unity	Brace	Unity		
Comm. Chord Brace	Case	(In)	(In)	(KSI)	(In)	(In)	(KSI)	Check	Joint	Check		
225	231	224	4	12.750	.500	36.000	12.750	.375	36.000	.363	223	.720
231	203	321	4	46.000	1.000	36.000	20.000	.500	36.000	200.000	225	.701
231	102	121	4	46.000	1.000	36.000	26.000	.500	36.000	200.000	225	.701
241	341	281	4	46.000	1.000	36.000	24.000	.375	36.000	100.716	381	.638
241	141	131	4	46.000	1.000	36.000	26.000	.375	36.000	200.000	381	.638
243	223	254	4	20.000	.812	36.000	8.625	.322	36.000	.126	254	.337
243	263	254	4	20.000	.812	36.000	8.625	.322	36.000	.126	254	.337
244	224	255	4	20.000	.812	36.000	8.625	.322	36.000	.041	255	.337
244	264	255	4	20.000	.812	36.000	8.625	.322	36.000	.041	255	.337
251	151	145	4	46.000	1.000	36.000	24.000	.375	36.000	100.437	311	.638
251	351	211	4	46.000	1.000	36.000	24.000	.375	36.000	1.173	311	.638
253	254	201	4	24.000	.375	36.000	20.000	.500	36.000	100.033	201	3.275
254	253	223	4	24.000	.375	36.000	8.625	.322	36.000	.720	243	1.811
254	261	263	4	24.000	.375	36.000	8.625	.322	36.000	1.067	243	1.811
255	231	224	4	24.000	.375	36.000	8.625	.322	36.000	.292	244	1.811
255	271	264	4	24.000	.375	36.000	8.625	.322	36.000	.316	244	1.811
261	207	371	4	46.000	1.000	36.000	20.000	.500	36.000	200.000	265	.701
261	103	155	4	46.000	1.000	36.000	24.000	.375	36.000	200.000	265	.701
263	243	207	4	20.000	.812	36.000	12.750	.375	36.000	.416	264	.780
264	244	208	4	20.000	.812	36.000	12.750	.375	36.000	.295	263	.780
265	261	263	4	12.750	.500	36.000	12.750	.375	36.000	.228	263	.720
265	271	264	4	12.750	.500	36.000	12.750	.375	36.000	.317	263	.720
271	104	146	4	46.000	1.000	36.000	24.000	.375	36.000	200.000	281	.775
271	208	204	4	46.000	1.000	36.000	26.000	.500	36.000	102.067	281	.775
281	181	148	4	46.000	1.000	36.000	24.000	.375	36.000	100.745	271	.771
281	381	241	4	46.000	1.000	36.000	24.000	.375	36.000	222.415	271	.771
299	223	224	4	12.750	.687	36.000	12.750	.687	36.000	.230	224	.696
299	264	263	4	12.750	.687	36.000	12.750	.687	36.000	.296	224	.696
301	421	302	4	24.000	.500	36.000	24.000	.500	36.000	.295	343	1.657
301	361	343	4	24.000	.500	36.000	24.000	.500	36.000	.530	343	1.657
302	421	301	4	46.000	.500	36.000	24.000	.500	36.000	1.431	301	3.299
303	431	304	4	46.000	.500	36.000	24.000	.500	36.000	200.000	304	3.299
304	331	346	4	24.000	.500	36.000	20.000	.500	36.000	.805	346	1.827
311	411	451	4	46.000	1.000	36.000	24.000	.375	36.000	.982	251	.734
311	211	251	4	46.000	1.000	36.000	26.000	.500	36.000	.722	251	.734
321	302	431	4	46.000	1.000	36.000	18.000	.500	36.000	.193	343	.825
321	205	201	4	46.000	1.000	36.000	24.000	.375	36.000	.138	343	.825
331	303	381	4	46.000	1.000	36.000	24.000	.375	36.000	1.364	346	.792
331	206	381	4	46.000	1.000	36.000	24.000	.375	36.000	1.155	346	.792
343	201	321	4	24.000	.500	36.000	24.000	.500	36.000	.268	361	1.910
343	301	361	4	24.000	.500	36.000	24.000	.500	36.000	.338	361	1.910
346	331	304	4	20.000	.500	36.000	20.000	.500	36.000	.645	304	1.473
361	461	301	4	46.000	1.000	36.000	24.000	.500	36.000	.693	343	.825
361	207	201	4	46.000	1.000	36.000	26.000	.500	36.000	.883	343	.825
371	471	346	4	46.000	1.000	36.000	20.000	.500	36.000	.692	346	.792
371	208	261	4	46.000	1.000	36.000	20.000	.500	36.000	.234	346	.792
381	481	331	4	46.000	1.000	36.000	24.000	.375	36.000	1.685	241	.734
381	281	241	4	46.000	1.000	36.000	26.000	.500	36.000	2.031	241	.734
411	511	451	4	46.000	1.000	36.000	18.000	.500	36.000	.435	451	.771

* * * Joint Can Summary * * *

----- Joints -----				----- Chord -----			----- Brace -----			----- SO _x 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
421	507	451	4	46.000	1.000	36.000	20.000	.375	36.000	.776	443	.771
421	302	451	4	46.000	1.000	36.000	20.000	.375	36.000	.759	443	.771
423	463	424	4	20.000	.812	36.000	12.750	.687	36.000	.274	424	.780
424	464	431	4	20.000	.812	36.000	10.750	.365	36.000	.318	423	.780
425	421	423	4	12.750	.500	36.000	10.750	.365	36.000	.192	423	.635
425	431	424	4	12.750	.500	36.000	10.750	.365	36.000	.315	423	.635
431	303	304	4	46.000	1.000	36.000	24.000	.375	36.000	.461	446	.771
431	506	446	4	46.000	1.000	36.000	18.000	.500	36.000	.767	446	.771
441	541	471	4	46.000	1.000	36.000	20.000	.375	36.000	2.046	481	.771
441	341	331	4	46.000	1.000	36.000	20.000	.375	36.000	.466	481	.771
443	421	423	4	18.000	.500	36.000	8.625	.322	36.000	.272	423	.561
443	461	463	4	18.000	.500	36.000	8.625	.322	36.000	.219	423	.561
446	431	424	4	18.000	.500	36.000	8.625	.322	36.000	.640	424	.561
446	471	464	4	18.000	.500	36.000	8.625	.322	36.000	.626	424	.561
451	551	421	4	46.000	1.000	36.000	20.000	.375	36.000	.680	411	.771
451	351	311	4	46.000	1.000	36.000	24.000	.375	36.000	.596	411	.771
461	508	571	4	46.000	1.000	36.000	18.000	.500	36.000	.422	443	.771
461	361	463	4	46.000	1.000	36.000	10.750	.365	36.000	.345	443	.771
463	423	461	4	20.000	.812	36.000	10.750	.365	36.000	.245	464	.780
464	424	471	4	20.000	.812	36.000	10.750	.365	36.000	.646	463	.780
465	461	463	4	12.750	.500	36.000	10.750	.365	36.000	.067	463	.635
465	471	464	4	12.750	.500	36.000	10.750	.365	36.000	.124	463	.635
471	505	441	4	46.000	1.000	36.000	20.000	.375	36.000	2.002	446	.771
471	371	441	4	46.000	1.000	36.000	20.000	.375	36.000	2.002	446	.771
481	581	441	4	46.000	1.000	36.000	18.000	.500	36.000	.542	441	.771
499	423	424	4	12.750	.687	36.000	12.750	.687	36.000	.492	424	.696
499	464	463	4	12.750	.687	36.000	12.750	.687	36.000	.363	424	.696
501	671	668	4	46.000	.500	36.000	10.750	.365	36.000	.297	668	1.288
502	631	628	4	46.000	.500	36.000	10.750	.365	36.000	200.000	628	1.288
503	621	626	4	46.000	.500	36.000	10.750	.365	36.000	200.000	626	1.288
504	661	666	4	46.000	.500	36.000	10.750	.365	36.000	.538	666	1.288
505	471	464	4	46.000	.500	36.000	10.750	.375	36.000	.327	464	1.430
506	431	424	4	46.000	.500	36.000	10.750	.375	36.000	200.000	424	1.430
507	421	423	4	46.000	.500	36.000	10.750	.375	36.000	.179	423	1.430
508	461	463	4	46.000	.500	36.000	10.750	.375	36.000	.143	463	1.430
511	611	621	4	46.000	1.000	36.000	16.000	.500	36.000	.669	421	.600
511	411	421	4	46.000	1.000	36.000	18.000	.500	36.000	.220	421	.600
521	503	631	4	46.000	1.000	36.000	16.000	.500	36.000	.408	631	.574
521	507	431	4	46.000	1.000	36.000	18.000	.500	36.000	.218	631	.574
531	502	581	4	46.000	1.000	36.000	20.000	.375	36.000	.663	581	.595
531	506	581	4	46.000	1.000	36.000	20.000	.375	36.000	.683	581	.595
561	504	511	4	46.000	1.000	36.000	20.000	.375	36.000	.737	421	.680
561	508	421	4	46.000	1.000	36.000	20.000	.500	36.000	.826	421	.680
571	501	661	4	46.000	1.000	36.000	16.000	.500	36.000	.485	661	.574
571	505	461	4	46.000	1.000	36.000	18.000	.500	36.000	.352	661	.574
581	681	641	4	46.000	1.000	36.000	20.000	.500	36.000	.771	441	.679
581	481	441	4	46.000	1.000	36.000	20.000	.500	36.000	.749	441	.679
611	712	651	4	46.000	1.000	36.000	14.000	.500	36.000	.571	651	.718
621	503	561	4	46.000	1.000	36.000	20.000	.500	36.000	1.401	643	.718

* * * Joint Can Summary * * *

----- Joints -----			Load Case	----- Chord -----			----- Brace -----			----- 50% Eff. Strength -----		
Comm.	Chord	Brace		Diameter (In)	Thickness (In)	Yld Strg (KSI)	Diameter (In)	Thickness (In)	Yld Strg (KSI)	Unity Check	Brace Joint	Unity Check
621	722	626	4	46.000	1.000	36.000	10.750	.365	36.000	.831	643	.718
623	626	624	4	20.000	.812	36.000	16.000	.500	36.000	.047	624	.589
624	628	623	4	20.000	.812	36.000	16.000	.500	36.000	.062	623	.589
625	621	623	4	12.750	.500	36.000	10.750	.365	36.000	.055	623	.497
625	631	624	4	12.750	.500	36.000	10.750	.365	36.000	.101	623	.497
626	666	699	4	20.000	.812	36.000	12.750	.687	36.000	.284	628	.589
626	623	621	4	20.000	.812	36.000	10.750	.365	36.000	.442	628	.589
628	668	626	4	20.000	.812	36.000	16.000	.500	36.000	.140	626	.589
628	624	626	4	20.000	.812	36.000	16.000	.500	36.000	.140	626	.589
631	502	521	4	46.000	1.000	36.000	16.000	.500	36.000	.355	646	.718
631	732	646	4	46.000	1.000	36.000	14.000	.500	36.000	.981	646	.718
641	541	531	4	46.000	1.000	36.000	16.000	.500	36.000	.939	681	.718
641	742	671	4	46.000	1.000	36.000	18.000	.375	36.000	.665	681	.718
643	621	626	4	14.000	.500	36.000	8.625	.322	36.000	.357	626	.531
643	661	666	4	14.000	.500	36.000	8.625	.322	36.000	.364	626	.531
646	631	628	4	14.000	.500	36.000	8.625	.322	36.000	.133	628	.531
646	671	668	4	14.000	.500	36.000	8.625	.322	36.000	.120	628	.531
651	551	561	4	46.000	1.000	36.000	16.000	.500	36.000	.643	611	.718
651	752	611	4	46.000	1.000	36.000	14.000	.500	36.000	.565	611	.718
661	504	651	4	46.000	1.000	36.000	12.750	.500	36.000	.972	643	.718
661	762	651	4	46.000	1.000	36.000	12.750	.500	36.000	.972	643	.718
663	666	665	4	20.000	.812	36.000	10.750	.365	36.000	.183	664	.589
664	668	665	4	20.000	.812	36.000	10.750	.365	36.000	.117	663	.589
665	661	663	4	12.750	.500	36.000	10.750	.365	36.000	.204	663	.497
665	671	664	4	12.750	.500	36.000	10.750	.365	36.000	.169	663	.497
666	626	699	4	20.000	.812	36.000	12.750	.687	36.000	.407	668	.589
666	663	661	4	20.000	.812	36.000	10.750	.365	36.000	.428	668	.589
668	628	699	4	20.000	.812	36.000	12.750	.687	36.000	.124	666	.589
668	664	671	4	20.000	.812	36.000	10.750	.365	36.000	.217	666	.589
671	501	641	4	46.000	1.000	36.000	18.000	.375	36.000	.586	646	.718
671	772	646	4	46.000	1.000	36.000	14.000	.500	36.000	.980	646	.718
681	782	671	4	46.000	1.000	36.000	12.750	.500	36.000	.526	641	.718
699	626	666	4	12.750	.687	36.000	12.750	.687	36.000	.627	628	.742
699	668	666	4	12.750	.687	36.000	12.750	.687	36.000	.628	628	.742

Thursday 7/28/94 17: 0:40

Input File Name:\STRUCAD\WDCOLLP\WDCOLLP

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

* * * Problem Description * * *

Number Of Joints	=	316
Number Of Beams	=	665
Number Of Plates	=	16
No. Of NOAH Basic Load Cases	=	3
No. Of NOAH Combined Load Cases	=	1
No. Of JCAN Combined Load Cases	=	0

Total Solution Time	=	0: 5:37
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