666' Guyed Tower, REVISED ANALYSIS, 75 Mph basic Vel., EIA/TIA 222E

5 CARD DATA: INTERMEDIATE LOAD INFORMATION

NO	ELEV (FT)	CONCENTRATED LOADS (KIPS) WEIGHT	WIND LOAD
1	29.0	0.10	0.08
2	98.0	0.10	0.09
3	119.0	0.10	0.09
4	160.0	0.10	0.09
5	170.0	0.10	0.09
6	180.0	0.10	0.09
7	190.0	0.10	0.25
8	230.0	0.20	0.30
9	289.0	0.10	0.14
10	363.0	0.10	0.15
11	375.0	0.10	0.15
12	393.0	0.10	0.15
13	402.0	0.10	0.16
14	403.0	0.10	0.16
15	436.0	0.10	0.16
16	501.0	0.10	0.16
17	511.0	0.10	0.16
18	523.0	0.10	0.17
19	537.0	0.10	0.17
20	549.0	0.15	0.24
21	569.0	0.15	0.24
22	589.0	0.15	0.24
23	609.0	0.15	0.24
24	629.0	0.15	0.24
25	638.0	0.15	0.20
26	648.0	0.15	0.20
27	650.0	0.10	0.18

NO	MOMENTS (KIP-FT) WINDWARD DIRECTION A	B	C	NORMAL DIRECTION A	B	C	TORQUES (KIP-FT) WINDWARD DIRECTION A	B	C
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

666' Guyed Tower; REVISED ANALYSIS, 75 Mph basic Vel., EIA/TIA 222E

6 CARD DATA: GUY CABLE INFORMATION

LVL	GUY #	DISTANCE (FT) HORIZ	VERT	TENS (KIPS)	STRAND TYPE	UNIT WT (LB/FT)	DIAM (IN)	AE (KIPS)	BS (KIPS)	LEVER ARM (FT)
1	ALL	260.00	103.50	5.00	EHS7	0.8130	0.6250	4700.	42.40	2.500
2	ALL	260.00	198.50	4.00	EHS7	0.8130	0.6250	4700.	42.40	2.500
3	ALL	260.00	294.00	6.00	EHS19	1.1550	0.7500	6720.	58.30	2.500
4	ALL	400.00	393.50	4.00	EHS7	0.8130	0.6250	4700.	42.40	2.500
5	ALL	400.00	488.00	6.00	EHS19	1.1550	0.7500	6720.	58.30	2.500
6	ALL	400.00	583.00	7.00	EHS19	1.5810	0.8750	9340.	79.70	2.500
7	ALL	400.00	678.00	12.00	EHS19	2.0730	1.0000	11940.	104.50	2.500

9 CARD DATA: PULL-OFF INFORMATION

WEIGHT (KIPS)	WIND LOAD (KIPS)	MOMENT (KIP-FT)	TORQUES (KIP-FT) WIND A	WIND B	WIND C
18.00	8.90	393.80	0.00	0.00	0.00

10 CARD DATA: PANEL INFORMATION

SPAN	PANEL HEIGHT (FT) TOP	BOTTOM	UNIFORM	# UNIF PANELS
1	5.000	3.500	5.000	17
2	5.084	5.083	5.000	17
3	5.084	5.083	5.000	17
4	5.084	5.083	5.000	17
5	4.750	4.750	5.000	17
6	5.084	5.083	5.000	17
7	4.716	4.716	5.000	17

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/ATLAS/ ALLOWABLE TOWER LOADS

JOB: 464 Ft. Guyed Tower - 75 Mph Basic velocity, EIA 222E

ALLOWABLE LOADS ARE INCREASED BY A FACTOR OF: 1.333

NO	TYPE	DIMENSIONS (IN)	UNS LTH (IN)	RAD (IN)	XSECT (SQIN)	BOLT (SQIN)	YIELD (KSI)	MAX LOAD (KIPS)	CLASS
1	PIPE	3.500x 0.300	60.00	1.136	3.016	0.000	50.0	96.13	CMPR1
2	PIPE	3.500x 0.216	60.00	1.164	2.228	0.000	50.0	71.62	CMPR1
3	ROD	0.625	0.00	0.156	0.307	0.000	50.0	12.28	TENSN
4	ROD	1.000	45.00	0.250	0.785	0.000	50.0	4.82	CMPR1

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PART II
COMPUTER INPUT DATA

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1666' Guyed Tower, REVISED ANALYSIS, 75 Mph Basic Vel., EIA/TIA 222F     WIND A
 2  7  0  1  1 1 7     0. 0. 0. 0.     0.000      30.0    0.
 3  1  3  1  1 1 0   81.200      0.00      0.00      0.00 0.00      0.00      0.00
 3  2  3  1  1 1 0   87.900      0.00      0.00      0.00 0.00      0.00      0.00
 3  3  3  1  1 1 0   92.600      0.00      0.00      0.00 0.00      0.00      0.00
 3  4  3  1  1 1 0   96.200      0.00      0.00      0.00 0.00      0.00      0.00
 3  5  3  1  1 1 0   99.200      0.00      0.00      0.00 0.00      0.00      0.00
 3  6  3  1  1 1 0  101.700      0.00      0.00      0.00 0.00      0.00      0.00
 3  7  3  1  1 1 0  103.900      0.00      0.00      0.00 0.00      0.00      0.00
 4  1  1  0  0 0 0   60.00      0.00   0. 0. 0. 0. 0.
 4  2  1  0  0 0 0   60.00      0.00   0. 0. 0. 0. 0.
 4  3  1  0  0 0 0   60.00      0.00   0. 0. 0. 0. 0.
 4  4  1  0  0 0 0   60.00      0.00   0. 0. 0. 0. 0.
 4  5  1  0  0 0 0   60.00      0.00   0. 0. 0. 0. 0.
 4  6  1  0  0 0 0   60.00      0.00   0. 0. 0. 0. 0.
 4  7  1  0  0 0 0   60.00      0.00   0. 0. 0. 0. 0.
 5  1  1  1  6 0 0    0.10      0.08     0.00      0.00      0.00      0.00 0.
 5  2  1  2  1 0 0    0.10      0.09     0.00      0.00      0.00      0.00 0.
 5  2  2  2  5 0 0    0.10      0.09     0.00      0.00      0.00      0.00 0.
 5  2  3  2 13 0 0    0.10      0.09     0.00      0.00      0.00      0.00 0.
 5  2  4  2 15 0 0    0.10      0.09     0.00      0.00      0.00      0.00 0.
 5  2  5  2 17 0 0    0.10      0.09     0.00      0.00      0.00      0.00 0.
 5  2  6  2 19 0 0    0.10      0.25     0.00      0.00      0.00      0.00 0.
 5  3  1  3  8 0 0    0.20      0.30     0.00      0.00      0.00      0.00 0.
 5  4  1  4  1 0 0    0.10      0.14     0.00      0.00      0.00      0.00 0.
 5  4  2  4 16 0 0    0.10      0.15     0.00      0.00      0.00      0.00 0.
 5  4  3  4 18 0 0    0.10      0.15     0.00      0.00      0.00      0.00 0.
 5  5  1  5  3 0 0    0.10      0.15     0.00      0.00      0.00      0.00 0.
 5  5  2  5  5 0 0    0.10      0.16     0.00      0.00      0.00      0.00 0.
 5  5  3  5  5 0 0    0.10      0.16     0.00      0.00      0.00      0.00 0.
 5  6  1  6  2 0 0    0.10      0.16     0.00      0.00      0.00      0.00 0.
 5  6  2  6  5 0 0    0.10      0.16     0.00      0.00      0.00      0.00 0.
 5  6  3  6  7 0 0    0.10      0.16     0.00      0.00      0.00      0.00 0.
 5  6  4  6 10 0 0    0.10      0.17     0.00      0.00      0.00      0.00 0.
 5  6  5  6 13 0 0    0.10      0.17     0.00      0.00      0.00      0.00 0.
 5  6  6  6 15 0 0    0.15      0.24     0.00      0.00      0.00      0.00 0.
 5  6  7  6 19 0 0    0.15      0.24     0.00      0.00      0.00      0.00 0.
 5  7  1  7  4 0 0    0.15      0.24     0.00      0.00      0.00      0.00 0.
 5  7  2  7  8 0 0    0.15      0.24     0.00      0.00      0.00      0.00 0.
 5  7  3  7 12 0 0    0.15      0.24     0.00      0.00      0.00      0.00 0.
 5  7  4  7 14 0 0    0.15      0.20     0.00      0.00      0.00      0.00 0.
 5  7  5  7 16 0 0    0.15      0.20     0.00      0.00      0.00      0.00 0.
 5  7  6  7 16 0 0    0.10      0.18     0.00      0.00      0.00      0.00 0.
 6  1  1  0  0 0 0  260.00    103.50     5.00    0.8130    0.6250     4700.   2.500
 6  2  1  0  0 0 0  260.00    198.50     4.00    0.8130    0.6250     4700.   2.500
 6  3  1  0  0 0 0  260.00    294.00     6.00    1.1550    0.7500     6720.   2.500
 6  4  1  0  0 0 0  400.00    393.50     4.00    0.8130    0.6250     4700.   2.500
 6  5  1  0  0 0 0  400.00    488.00     6.00    1.1550    0.7500     6720.   2.500
 6  6  1  0  0 0 0  400.00    583.00     7.00    1.5810    0.8750     9340.   2.500
 6  7  1  0  0 0 0  400.00    678.00    12.00    2.0730    1.0000    11940.   2.500
 8  1  0  0  0 0 0   93.500     24.21     7.230     5.734      0.00      0.00    104.23
 8  2  0  0  0 0 0   95.167     24.21     7.466     8.291      0.00      0.00    104.23
 8  3  0  0  0 0 0   95.167     24.21     7.217     9.310      0.00      0.00    104.23
 8  4  0  0  0 0 0   95.167     24.21     7.113    10.093      0.00      0.00    104.23
 8  5  0  0  0 0 0   94.500     24.21     6.849     9.967      0.00      0.00    104.23
 8  6  0  0  0 0 0   95.167     19.55     6.118     9.567      0.00      0.00    104.23
 8  7  0  0  0 0 0   94.432     17.89     5.596     8.388      0.00      0.00    104.23
 9  0  0  0  0 3 1   18.00      8.90   393.80      0.          0.00 0.
10  1 17  1  0 0 0    4.000     5.000     3.500     5.000   0. 0. 0.
10  2 17  1  0 0 0    4.000     5.084     5.083     5.000   0. 0. 0.
10  3 17  1  0 0 0    4.000     5.084     5.083     5.000   0. 0. 0.
10  4 17  1  0 0 0    4.000     5.084     5.083     5.000   0. 0. 0.
10  5 17  1  0 0 0    4.000     4.750     4.750     5.000   0. 0. 0.
10  6 17  1  0 0 0    4.000     5.084     5.083     5.000   0. 0. 0.
10  7 17  1  0 0 0    4.000     4.716     4.716     5.000   0. 0. 0.
99  0  0  0  0 0 0   0. 0. 0. 0. 0. 0. 0.
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1666' Guyed Tower, REVISED ANALYSIS, 75 Mph Basic Vel., EIA/TIA 222F     WIND R
 2  7  0 -1  1 1 7    0. 0. 0. 0.    0.000      30.0   0.
 3  1  3  1  1 1 0   81.200      0.00      0.00      0.00 0.00      0.00      0.00
 3  2  3  1  1 1 0   87.900      0.00      0.00      0.00 0.00      0.00      0.00
 3  3  3  1  1 1 0   92.600      0.00      0.00      0.00 0.00      0.00      0.00
 3  4  3  1  1 1 0   96.200      0.00      0.00      0.00 0.00      0.00      0.00
 3  5  3  1  1 1 0   99.200      0.00      0.00      0.00 0.00      0.00      0.00
 3  6  3  1  1 1 0  101.700      0.00      0.00      0.00 0.00      0.00      0.00
 3  7  3  1  1 1 0  103.900      0.00      0.00      0.00 0.00      0.00      0.00
 4  1  1  0  0 0 0     0.00      0.00   0. 0. 0. 0. 0.
 4  2  1  0  0 0 0     0.00      0.00   0. 0. 0. 0. 0.
 4  3  1  0  0 0 0     0.00      0.00   0. 0. 0. 0. 0.
 4  4  1  0  0 0 0     0.00      0.00   0. 0. 0. 0. 0.
 4  5  1  0  0 0 0     0.00      0.00   0. 0. 0. 0. 0.
 4  6  1  0  0 0 0     0.00      0.00   0. 0. 0. 0. 0.
 4  7  1  0  0 0 0     0.00      0.00   0. 0. 0. 0. 0.
 5  1  1  1  6 0 0     0.10      0.08      0.00      0.00      0.00      0.00 0.
 5  2  1  2  1 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  2  2  5 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  3  2 13 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  4  2 15 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  5  2 17 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  6  2 19 0 0     0.10      0.25      0.00      0.00      0.00      0.00 0.
 5  3  1  3  8 0 0     0.20      0.30      0.00      0.00      0.00      0.00 0.
 5  4  1  4  1 0 0     0.10      0.14      0.00      0.00      0.00      0.00 0.
 5  4  2  4 16 0 0     0.10      0.15      0.00      0.00      0.00      0.00 0.
 5  4  3  4 18 0 0     0.10      0.15      0.00      0.00      0.00      0.00 0.
 5  5  1  5  3 0 0     0.10      0.15      0.00      0.00      0.00      0.00 0.
 5  5  2  5  5 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  5  3  5  5 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  6  1  6  2 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  6  2  6  5 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  6  3  6  7 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  6  4  6 10 0 0     0.10      0.17      0.00      0.00      0.00      0.00 0.
 5  6  5  6 13 0 0     0.10      0.17      0.00      0.00      0.00      0.00 0.
 5  6  6  6 15 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  6  7  6 19 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  7  1  7  4 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  7  2  7  8 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  7  3  7 12 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  7  4  7 14 0 0     0.15      0.20      0.00      0.00      0.00      0.00 0.
 5  7  5  7 16 0 0     0.15      0.20      0.00      0.00      0.00      0.00 0.
 5  7  6  7 16 0 0     0.10      0.18      0.00      0.00      0.00      0.00 0.
 6  1  1  0  0 0 0   260.00    103.50      5.00    0.8130    0.6250     4700.   2.500
 6  2  1  0  0 0 0   260.00    198.50      4.00    0.8130    0.6250     4700.   2.500
 6  3  1  0  0 0 0   260.00    294.00      6.00    1.1550    0.7500     6720.   2.500
 6  4  1  0  0 0 0   400.00    393.50      4.00    0.8130    0.6250     4700.   2.500
 6  5  1  0  0 0 0   400.00    488.00      6.00    1.1550    0.7500     6720.   2.500
 6  6  1  0  0 0 0   400.00    583.00      7.00    1.5810    0.8750     9340.   2.500
 6  7  1  0  0 0 0   400.00    678.00     12.00    2.0730    1.0000    11940.   2.500
 8  1  0  0  0 0 0    93.500     24.21     7.230     5.734      0.00      0.00   104.23
 8  2  0  0  0 0 0    95.167     24.21     7.466     8.291      0.00      0.00   104.23
 8  3  0  0  0 0 0    95.167     24.21     7.217     9.310      0.00      0.00   104.23
 8  4  0  0  0 0 0    95.167     24.21     7.113    10.093      0.00      0.00   104.23
 8  5  0  0  0 0 0    94.500     24.21     6.849     9.967      0.00      0.00   104.23
 8  6  0  0  0 0 0    95.167     19.55     6.118     9.567      0.00      0.00   104.23
 8  7  0  0  0 0 0    94.432     17.89     5.596     8.388      0.00      0.00   104.23
 9  0  0  0  0 3 1    18.00      8.90    393.80     0.         0.        0.00 0.
10  1 17  1  0 0 0     4.000     5.000     3.500     5.000   0. 0. 0.
10  2 17  1  0 0 0     4.000     5.084     5.083     5.000   0. 0. 0.
10  3 17  1  0 0 0     4.000     5.084     5.083     5.000   0. 0. 0.
10  4 17  1  0 0 0     4.000     5.084     5.083     5.000   0. 0. 0.
10  5 17  1  0 0 0     4.000     4.750     4.750     5.000   0. 0. 0.
10  6 17  1  0 0 0     4.000     5.084     5.083     5.000   0. 0. 0.
10  7 17  1  0 0 0     4.000     4.716     4.716     5.000   0. 0. 0.
99  0  0  0  0 0 0   0. 0. 0. 0. 0. 0. 0.
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1666' Guyed Tower, REVISED ANALYSIS, 75 Mph Basic Vel., EIA/TIA 222F     WIND C
 2  7  0  2  1 1 7     0. 0. 0. 0.      0.000      30.0    0.
 3  1  3  1  1 1 0    81.200      0.00      0.00      0.00 0.00      0.00      0.00
 3  2  3  1  1 1 0    87.900      0.00      0.00      0.00 0.00      0.00      0.00
 3  3  3  1  1 1 0    92.600      0.00      0.00      0.00 0.00      0.00      0.00
 3  4  3  1  1 1 0    96.200      0.00      0.00      0.00 0.00      0.00      0.00
 3  5  3  1  1 1 0    99.200      0.00      0.00      0.00 0.00      0.00      0.00
 3  6  3  1  1 1 0   101.700      0.00      0.00      0.00 0.00      0.00      0.00
 3  7  3  1  1 1 0   103.900      0.00      0.00      0.00 0.00      0.00      0.00
 4  1  1  0  0 0 0    30.00      0.00    0. 0. 0. 0. 0.
 4  2  1  0  0 0 0    30.00      0.00    0. 0. 0. 0. 0.
 4  3  1  0  0 0 0    30.00      0.00    0. 0. 0. 0. 0.
 4  4  1  0  0 0 0    30.00      0.00    0. 0. 0. 0. 0.
 4  5  1  0  0 0 0    30.00      0.00    0. 0. 0. 0. 0.
 4  6  1  0  0 0 0    30.00      0.00    0. 0. 0. 0. 0.
 4  7  1  0  0 0 0    30.00      0.00    0. 0. 0. 0. 0.
 5  1  1  1  6 0 0     0.10      0.08      0.00      0.00      0.00      0.00 0.
 5  2  1  2  1 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  2  2  5 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  3  2 13 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  4  2 15 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  5  2 17 0 0     0.10      0.09      0.00      0.00      0.00      0.00 0.
 5  2  6  2 19 0 0     0.10      0.25      0.00      0.00      0.00      0.00 0.
 5  3  1  3  8 0 0     0.20      0.30      0.00      0.00      0.00      0.00 0.
 5  4  1  4  1 0 0     0.10      0.14      0.00      0.00      0.00      0.00 0.
 5  4  2  4 16 0 0     0.10      0.15      0.00      0.00      0.00      0.00 0.
 5  4  3  4 18 0 0     0.10      0.15      0.00      0.00      0.00      0.00 0.
 5  5  1  5  3 0 0     0.10      0.15      0.00      0.00      0.00      0.00 0.
 5  5  2  5  5 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  5  3  5  5 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  6  1  6  2 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  6  2  6  5 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  6  3  6  7 0 0     0.10      0.16      0.00      0.00      0.00      0.00 0.
 5  6  4  6 10 0 0     0.10      0.17      0.00      0.00      0.00      0.00 0.
 5  6  5  6 13 0 0     0.10      0.17      0.00      0.00      0.00      0.00 0.
 5  6  6  6 15 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  6  7  6 19 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  7  1  7  4 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  7  2  7  8 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  7  3  7 12 0 0     0.15      0.24      0.00      0.00      0.00      0.00 0.
 5  7  4  7 14 0 0     0.15      0.20      0.00      0.00      0.00      0.00 0.
 5  7  5  7 16 0 0     0.15      0.20      0.00      0.00      0.00      0.00 0.
 5  7  6  7 16 0 0     0.10      0.18      0.00      0.00      0.00      0.00 0.
 6  1  1  0  0 0 0   260.00    103.50      5.00    0.8130    0.6250     4700.    2.500
 6  2  1  0  0 0 0   260.00    198.50      4.00    0.8130    0.6250     4700.    2.500
 6  3  1  0  0 0 0   260.00    294.00      6.00    1.1550    0.7500     6720.    2.500
 6  4  1  0  0 0 0   400.00    393.50      4.00    0.8130    0.6250     4700.    2.500
 6  5  1  0  0 0 0   400.00    488.00      6.00    1.1550    0.7500     6720.    2.500
 6  6  1  0  0 0 0   400.00    583.00      7.00    1.5810    0.8750     9340.    2.500
 6  7  1  0  0 0 0   400.00    678.00     12.00    2.0730    1.0000    11940.    2.500
 8  1  0  0  0 0 0   93.500     24.21     7.230     5.734      0.00      0.00   104.23
 8  2  0  0  0 0 0   95.167     24.21     7.466     8.291      0.00      0.00   104.23
 8  3  0  0  0 0 0   95.167     24.21     7.217     9.310      0.00      0.00   104.23
 8  4  0  0  0 0 0   95.167     24.21     7.113    10.093      0.00      0.00   104.23
 8  5  0  0  0 0 0   94.500     24.21     6.849     9.967      0.00      0.00   104.23
 8  6  0  0  0 0 0   95.167     19.55     6.118     9.567      0.00      0.00   104.23
 8  7  0  0  0 0 0   94.432     17.89     5.596     8.388      0.00      0.00   104.23
 9  0  0  0  0 3 1    18.00      8.90    393.80     0.         0.        0.00 0.
10  1 17  1  0 0 0    4.000     5.000     3.500     5.000    0. 0. 0.
10  2 17  1  0 0 0    4.000     5.084     5.083     5.000    0. 0. 0.
10  3 17  1  0 0 0    4.000     5.084     5.083     5.000    0. 0. 0.
10  4 17  1  0 0 0    4.000     5.084     5.083     5.000    0. 0. 0.
10  5 17  1  0 0 0    4.000     4.750     4.750     5.000    0. 0. 0.
10  6 17  1  0 0 0    4.000     5.084     5.083     5.000    0. 0. 0.
10  7 17  1  0 0 0    4.000     4.716     4.716     5.000    0. 0. 0.
 0  0  0  0  0 0 0    0. 0. 0. 0. 0. 0. 0.
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PART III
COMPUTER ANALYSIS RESULTS

CONTROL PARAMETERS

7 GUY LEVELS
'GED BASE
D LOADING DIRECTION 'A'
WO-WAY BENDING CONSIDERED
WIND LOADS ARE INPUT ITEMS

ANALYSIS PARAMETERS

0.000 INCH RADIAL ICE ON GUYS (SP WT 56.0 LB/CUFT)
AMBIENT TEMPERATURE = 30.00 DEG F
NORMAL TEMPERATURE = 70.00 DEG F
HEIGHT TO TOWER BASE = 0.0 FT
TOWER SHAFT MODULUS OF ELASTICITY = 29000.

INPUT ECHO: LOCAL LOADS AT GUY LEVELS AND PULL-OFF DATA

LVL	WIND VEL (MI/HR)	CONCENTRATED LOADS (KIPS) VERTICAL	HORIZONTAL WINDWARD	HORIZONTAL NORMAL	MOMENTS (KIP-FT) WINDWARD	MOMENTS (KIP-FT) NORMAL	MOMENTS (KIP-FT) TWIST	INSULATOR CLUSTERS WEIGHT (KIPS)	INSULATOR CLUSTERS DRAG (KIPS)
1	81.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	87.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	92.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	96.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	99.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	101.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	103.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

INPUT ECHO: GUY DATA AND RELATED INFORMATION

	GUY #	DISTANCE (FT) HORIZ	VERT	TENS (KIPS)	UNIT WT (LB/FT)	DIAM (IN)	AE (KIPS)	LEV ARM (FT)	WIND ANGLES (DEG) WIND TO GUY	WIND TO LEV ARM	INSULATORS ON GUY WEIGHT (LBS)	AREA (SQFT)	LENGTH (FT)	ANCHOR PIN HT ABV GND (FT)
1	1	260.00	103.50	5.00	0.8130	0.6250	4700.	2.500	60.00	60.00	0.00	0.00	0.000	
1	2	260.00	103.50	5.00	0.8130	0.6250	4700.	2.500	180.00	180.00	0.00	0.00	0.000	
1	3	260.00	103.50	5.00	0.8130	0.6250	4700.	2.500	300.00	300.00	0.00	0.00	0.000	
2	1	260.00	198.50	4.00	0.8130	0.6250	4700.	2.500	60.00	60.00	0.00	0.00	0.000	
2	2	260.00	198.50	4.00	0.8130	0.6250	4700.	2.500	180.00	180.00	0.00	0.00	0.000	
2	3	260.00	198.50	4.00	0.8130	0.6250	4700.	2.500	300.00	300.00	0.00	0.00	0.000	
3	1	260.00	294.00	6.00	1.1550	0.7500	6720.	2.500	60.00	60.00	0.00	0.00	0.000	
3	2	260.00	294.00	6.00	1.1550	0.7500	6720.	2.500	180.00	180.00	0.00	0.00	0.000	
3	3	260.00	294.00	6.00	1.1550	0.7500	6720.	2.500	300.00	300.00	0.00	0.00	0.000	
4	1	400.00	393.50	4.00	0.8130	0.6250	4700.	2.500	60.00	60.00	0.00	0.00	0.000	
4	2	400.00	393.50	4.00	0.8130	0.6250	4700.	2.500	180.00	180.00	0.00	0.00	0.000	
4	3	400.00	393.50	4.00	0.8130	0.6250	4700.	2.500	300.00	300.00	0.00	0.00	0.000	
5	1	400.00	488.00	6.00	1.1550	0.7500	6720.	2.500	60.00	60.00	0.00	0.00	0.000	
5	2	400.00	488.00	6.00	1.1550	0.7500	6720.	2.500	180.00	180.00	0.00	0.00	0.000	
5	3	400.00	488.00	6.00	1.1550	0.7500	6720.	2.500	300.00	300.00	0.00	0.00	0.000	
6	1	400.00	583.00	7.00	1.5810	0.8750	9340.	2.500	60.00	60.00	0.00	0.00	0.000	
	2	400.00	583.00	7.00	1.5810	0.8750	9340.	2.500	180.00	180.00	0.00	0.00	0.000	
6	3	400.00	583.00	7.00	1.5810	0.8750	9340.	2.500	300.00	300.00	0.00	0.00	0.000	
7	1	400.00	678.00	12.00	2.0730	1.0000	11940.	2.500	60.00	60.00	0.00	0.00	0.000	
7	2	400.00	678.00	12.00	2.0730	1.0000	11940.	2.500	180.00	180.00	0.00	0.00	0.000	
7	3	400.00	678.00	12.00	2.0730	1.0000	11940.	2.500	300.00	300.00	0.00	0.00	0.000	

OUTPUT: WIND LOADS

SPAN	TOWER WIND LOAD (KIPS)	LEVEL	INSULATOR CLUSTERS WIND LOAD (KIPS)
1	5.73	1	0.00
2	8.29	2	0.00
3	9.31	3	0.00
4	10.09	4	0.00
5	9.97	5	0.00
6	9.57	6	0.00
7	8.39	7	0.00

OUTPUT: GUY WEIGHTS, LENGTHS AND FORCES

LVL	GUY #	EFF D (IN)	TOTAL WT (KIPS)	UNSTRESSED LENGTH (FT)	FORCES AT TOWER (KIPS) TENSION	WINDWARD	NORMAL	VERT	FORCES AT ANCHORAGE (KIPS) UPLIFT	M	N	TWIST (KIP-FT)
1	1	0.6250	0.227	279.56	9.56	4.38	7.68	3.64	3.46	9.03	0.06	-0.125
1	2	0.6250	0.227	279.56	1.41	-1.28	0.00	0.60	0.41	1.26	0.00	0.000
1	3	0.6250	0.227	279.56	9.57	4.38	-7.68	3.64	3.46	9.03	-0.06	0.125
2	1	0.6250	0.266	326.86	11.42	4.44	7.83	7.03	6.86	9.24	0.11	-0.183
2	2	0.6250	0.266	326.86	0.36	-0.26	0.00	0.24	0.09	0.17	0.00	0.000
2	3	0.6250	0.266	326.86	11.43	4.44	-7.83	7.04	6.86	9.25	-0.11	0.183
	1	0.7500	0.453	392.15	20.42	6.61	11.64	15.42	15.12	13.76	0.20	-0.241
3	2	0.7500	0.453	392.15	0.40	-0.29	0.00	0.28	0.07	0.02	0.00	0.000
3	3	0.7500	0.453	392.15	20.42	6.61	-11.64	15.42	15.12	13.76	-0.20	0.241
4	1	0.6250	0.456	560.75	14.86	5.07	9.12	10.58	10.32	10.92	0.25	-0.418
4	2	0.6250	0.456	560.75	0.44	-0.34	0.00	0.28	0.11	0.05	0.00	0.000
4	3	0.6250	0.456	560.75	14.86	5.07	-9.12	10.58	10.32	10.92	-0.25	0.418
5	1	0.7500	0.728	630.54	17.47	5.12	9.50	13.74	13.29	11.47	0.39	-0.786
5	2	0.7500	0.728	630.54	1.31	-0.92	0.00	0.93	0.65	0.37	0.00	0.000
	3	0.7500	0.728	630.54	17.47	5.12	-9.49	13.74	13.29	11.46	-0.39	0.786
6	1	0.8750	1.117	706.67	20.27	5.08	9.78	17.01	16.26	11.93	0.57	-1.228
6	2	0.8750	1.117	706.67	2.56	-1.64	0.00	1.97	1.48	0.72	0.00	0.000
6	3	0.8750	1.117	706.67	20.27	5.08	-9.78	17.01	16.26	11.93	-0.57	1.228
7	1	1.0000	1.630	786.50	41.24	9.79	17.90	35.84	34.67	21.60	0.78	-1.173
7	2	1.0000	1.630	786.50	3.32	-2.00	0.00	2.65	1.84	0.61	0.00	0.000
7	3	1.0000	1.630	786.50	41.24	9.79	-17.90	35.84	34.67	21.60	-0.78	1.173

OUTPUT: TOWER BEHAVIOR AT GUY LEVELS

LVL	DEFLECTION (FT) WINDWARD	DEFLECTION (FT) NORMAL	TWIST (DEG)	REACTIONS (KIPS) WINDWARD	REACTIONS (KIPS) NORMAL	REACTIONS (KIPS) VERT	REACTIONS (KIP-FT) WINDWARD	REACTIONS (KIP-FT) NORMAL	REACTIONS (KIP-FT) TWIST	AXIAL FORCE (KIPS)	PHI
1	0.476	0.000	0.000	7.48	0.00	7.89	7.60	0.00	0.00	278.57	1.63385
2	1.214	0.000	0.000	8.61	0.00	14.31	16.98	0.00	0.00	263.07	1.61268
3	2.436	0.000	0.000	12.93	0.00	31.13	37.86	0.01	0.00	240.93	1.53667
4	3.630	0.000	0.000	9.80	0.00	21.44	25.76	0.00	0.00	202.44	1.41909
5	3.205	0.000	0.000	9.32	0.00	28.41	32.02	0.00	0.00	173.60	1.33509
6	3.248	0.000	0.000	8.52	0.00	36.00	37.61	0.00	0.00	138.30	1.33532
7	7.200	0.000	0.000	17.59	0.00	74.34	82.97	0.00	0.00	95.64	1.23174

OUTPUT: BEHAVIOR AT TOWER EXTREMITIES

BASE MOMENTS (KIP-FT) WINDWARD	BASE MOMENTS (KIP-FT) NORMAL	BASE SHEAR (KIPS) WINDWARD	BASE SHEAR (KIPS) NORMAL	BASE VERTICAL (KIPS)	CANTILEVER DEFL (FT) WINDWARD	CANTILEVER DEFL (FT) NORMAL	MOMENT ABOVE TOP GL (KIP-FT) WINDWARD	MOMENT ABOVE TOP GL (KIP-FT) NORMAL
0.00	0.00	0.60	0.00	282.25	7.200	0.000	-393.80	0.00

OUTPUT: SPAN PARAMETERS

SPAN	BENDING MOMENTS (KIP-FT) WINDWARD TOP	BENDING MOMENTS (KIP-FT) WINDWARD BOTTOM	BENDING MOMENTS (KIP-FT) NORMAL TOP	BENDING MOMENTS (KIP-FT) NORMAL BOTTOM	TOTAL SHEARS (KIPS) WINDWARD TOP	TOTAL SHEARS (KIPS) WINDWARD BOTTOM	TOTAL SHEARS (KIPS) NORMAL TOP	TOTAL SHEARS (KIPS) NORMAL BOTTOM
1	-85.55	0.00	0.00	0.00	-3.67	2.44	0.00	0.00
2	-99.03	-93.16	0.00	0.00	-3.84	3.72	0.00	0.00
3	-103.30	-116.01	-0.01	0.00	-4.05	4.29	0.00	0.00
4	98.92	-141.16	-0.01	-0.01	-4.52	8.30	0.00	0.00
5	-83.97	73.16	0.02	-0.01	-7.58	5.17	0.00	0.00
6	-299.41	-115.98	0.00	0.02	-5.14	2.06	0.00	0.00
7	-310.83	-337.02	0.00	-0.01	-2.25	2.48	0.00	0.00

TPUT: TOTAL FORCES AT GUY ANCHORS

ANCHOR #	LOCATION REF ANGLE (DEG)	LOCATION HORIZ DIST (FT)	TOTAL FORCES (KIPS) UPLIFT	TOTAL FORCES (KIPS) M	TOTAL FORCES (KIPS) RESULT	ELEV ANGLE (DEG)
1	60.00	260.00	25.44	32.03	40.90	38.46
2	180.00	260.00	0.57	1.45	1.56	21.46
3	300.00	260.00	25.44	32.04	40.91	38.45
4	60.00	400.00	74.54	55.92	93.18	53.12
5	180.00	400.00	4.08	1.75	4.44	66.78
6	300.00	400.00	74.54	55.91	93.18	53.13

CONTROL PARAMETERS

7 GUY LEVELS
IGED BASE
ID LOADING DIRECTION "B"
WO-WAY BENDING CONSIDERED
WIND LOADS ARE INPUT ITEMS

ANALYSIS PARAMETERS

0.000 INCH RADIAL ICE ON GUYS (SF WT 56.0 LB/CUFT)
AMBIENT TEMPERATURE = 30.00 DEG F
NORMAL TEMPERATURE = 70.00 DEG F
HEIGHT TO TOWER BASE = 0.0 FT
TOWER SHAFT MODULUS OF ELASTICITY = 29000.

INPUT ECHO: LOCAL LOADS AT GUY LEVELS AND PULL-OFF DATA

LVL	WIND VEL (MI/HR)	CONCENTRATED LOADS (KIPS) VERTICAL	HORIZONTAL WINDWARD	HORIZONTAL NORMAL	MOMENTS (KIP-FT) WINDWARD	MOMENTS (KIP-FT) NORMAL	MOMENTS (KIP-FT) TWIST	INSULATOR CLUSTERS WEIGHT (KIPS)	INSULATOR CLUSTERS DRAG (KIPS)
1	81.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	87.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	92.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

INPUT ECHO: GUY DATA AND RELATED INFORMATION

	GUY #	DISTANCE (FT) HORIZ	DISTANCE (FT) VERT	TENS (KIPS)	UNIT WT (LB/FT)	DIAM (IN)	AE (KIPS)	LEV ARM (FT)	WIND ANGLES (DEG) WIND TO GUY	WIND ANGLES (DEG) WIND TO LEV ARM	INSULATORS ON GUY WEIGHT (LBS)	INSULATORS ON GUY AREA (SQFT)	INSULATORS ON GUY LENGTH (FT)	ANCHOR PIN HT ABV GND (FT)
1	1	260.00	103.50	5.00	0.8130	0.6250	4700.	2.500	0.00	0.00	0.00	0.00	0.000	
1	2	260.00	103.50	5.00	0.8130	0.6250	4700.	2.500	120.00	120.00	0.00	0.00	0.000	
1	3	260.00	103.50	5.00	0.8130	0.6250	4700.	2.500	240.00	240.00	0.00	0.00	0.000	
2	1	260.00	198.50	4.00	0.8130	0.6250	4700.	2.500	0.00	0.00	0.00	0.00	0.000	
2	2	260.00	198.50	4.00	0.8130	0.6250	4700.	2.500	120.00	120.00	0.00	0.00	0.000	
2	3	260.00	198.50	4.00	0.8130	0.6250	4700.	2.500	240.00	240.00	0.00	0.00	0.000	
3	1	260.00	294.00	6.00	1.1550	0.7500	6720.	2.500	0.00	0.00	0.00	0.00	0.000	
3	2	260.00	294.00	6.00	1.1550	0.7500	6720.	2.500	120.00	120.00	0.00	0.00	0.000	
3	3	260.00	294.00	6.00	1.1550	0.7500	6720.	2.500	240.00	240.00	0.00	0.00	0.000	
4	1	400.00	393.50	4.00	0.8130	0.6250	4700.	2.500	0.00	0.00	0.00	0.00	0.000	
4	2	400.00	393.50	4.00	0.8130	0.6250	4700.	2.500	120.00	120.00	0.00	0.00	0.000	
4	3	400.00	393.50	4.00	0.8130	0.6250	4700.	2.500	240.00	240.00	0.00	0.00	0.000	
5	1	400.00	488.00	6.00	1.1550	0.7500	6720.	2.500	0.00	0.00	0.00	0.00	0.000	
5	2	400.00	488.00	6.00	1.1550	0.7500	6720.	2.500	120.00	120.00	0.00	0.00	0.000	
5	3	400.00	488.00	6.00	1.1550	0.7500	6720.	2.500	240.00	240.00	0.00	0.00	0.000	
6	1	400.00	583.00	7.00	1.5810	0.8750	9340.	2.500	0.00	0.00	0.00	0.00	0.000	
6	2	400.00	583.00	7.00	1.5810	0.8750	9340.	2.500	120.00	120.00	0.00	0.00	0.000	
6	3	400.00	583.00	7.00	1.5810	0.8750	9340.	2.500	240.00	240.00	0.00	0.00	0.000	
7	1	400.00	678.00	12.00	2.0730	1.0000	11940.	2.500	0.00	0.00	0.00	0.00	0.000	
7	2	400.00	678.00	12.00	2.0730	1.0000	11940.	2.500	120.00	120.00	0.00	0.00	0.000	
7	3	400.00	678.00	12.00	2.0730	1.0000	11940.	2.500	240.00	240.00	0.00	0.00	0.000	

OUTPUT: WIND LOADS

SPAN	TOWER WIND LOAD (KIPS)	LEVEL	INSULATOR CLUSTERS WIND LOAD (KIPS)
1	5.73	1	0.00
2	8.29	2	0.00
3	9.31	3	0.00
4	10.09	4	0.00
5	9.97	5	0.00
6	9.57	6	0.00
7	8.37	7	0.00

OUTPUT: GUY WEIGHTS, LENGTHS AND FORCES

LVL	GUY #	EFF D (IN)	TOTAL WT (KIPS)	UNSTRESSED LENGTH (FT)	FORCES AT TOWER (KIPS) TENSION	WINDWARD	NORMAL	VERT	FORCES AT ANCHORAGE (KIPS) UPLIFT	M	N	TWIST (KIP-FT)
1	1	0.6250	0.227	279.56	12.60	11.67	0.00	4.74	4.55	11.69	0.00	0.000
1	2	0.6250	0.227	279.56	3.61	-1.75	2.82	1.41	1.23	3.30	0.11	-0.271
1	3	0.6250	0.227	279.56	3.61	-1.75	-2.82	1.41	1.23	3.30	-0.11	0.271
2	1	0.6250	0.266	326.86	13.87	10.99	0.00	8.47	8.32	11.08	0.00	0.000
2	2	0.6250	0.266	326.86	2.76	-1.21	1.79	1.71	1.54	2.09	0.16	-0.387
2	3	0.6250	0.266	326.86	2.76	-1.21	-1.79	1.71	1.54	2.09	-0.16	0.387
3	1	0.7500	0.453	392.15	22.63	14.91	0.00	17.02	16.81	15.18	0.00	0.000
3	2	0.7500	0.453	392.15	3.94	-1.51	2.11	2.98	2.67	2.41	0.26	-0.630
3	3	0.7500	0.453	392.15	3.94	-1.51	-2.10	2.97	2.67	2.41	-0.26	0.630
4	1	0.6250	0.456	560.75	18.36	13.02	0.00	12.94	12.78	13.30	0.00	0.000
4	2	0.6250	0.456	560.75	3.67	-1.57	2.08	2.59	2.33	2.40	0.34	-0.807
4	3	0.6250	0.456	560.75	3.67	-1.57	-2.08	2.59	2.33	2.40	-0.34	0.807
5	1	0.7500	0.728	630.54	23.47	14.71	0.00	18.29	18.02	15.26	0.00	0.000
5	2	0.7500	0.728	630.54	5.79	-2.23	2.92	4.48	4.02	3.31	0.49	-1.174
	3	0.7500	0.728	630.54	5.79	-2.23	-2.92	4.48	4.03	3.31	-0.49	1.174
6	1	0.8750	1.117	706.67	25.49	14.06	0.00	21.27	20.78	14.98	0.00	0.000
6	2	0.8750	1.117	706.67	8.24	-2.89	3.70	6.78	6.03	4.12	0.68	-1.639
6	3	0.8750	1.117	706.67	8.24	-2.89	-3.70	6.78	6.03	4.12	-0.68	1.639

OUTPUT: TOWER BEHAVIOR AT GUY LEVELS

LVL	DEFLECTION (FT) WINDWARD	DEFLECTION (FT) NORMAL	TWIST (DEG)	REACTIONS (KIPS) WINDWARD	REACTIONS (KIPS) NORMAL	REACTIONS (KIPS) VERT	REACTIONS (KIP-FT) WINDWARD	REACTIONS (KIP-FT) NORMAL	REACTIONS (KIP-FT) TWIST	AXIAL FORCE (KIPS)	PHI
1	0.435	0.000	0.000	8.17	0.00	7.55	8.32	0.00	0.00	247.55	1.53072
2	0.834	0.000	0.000	8.56	0.00	11.89	16.89	0.00	0.00	232.39	1.50908
3	1.439	0.001	0.000	11.90	0.00	22.97	35.12	0.00	0.00	212.67	1.44871
4	2.477	0.000	0.000	9.87	0.00	18.12	25.89	0.00	0.00	182.34	1.36401
5	2.653	-0.001	0.000	10.25	0.00	27.25	34.54	0.00	0.00	156.82	1.29419
6	2.606	-0.001	0.000	8.28	0.00	34.82	36.22	0.00	0.00	122.68	1.28772
7	4.629	0.001	0.000	16.75	0.00	59.89	80.10	-0.01	0.00	81.20	1.19079

OUTPUT: BEHAVIOR AT TOWER EXTREMITIES

BASE MOMENTS (KIP-FT) WINDWARD	BASE MOMENTS (KIP-FT) NORMAL	BASE SHEAR (KIPS) WINDWARD	BASE SHEAR (KIPS) NORMAL	BASE VERTICAL (KIPS)	CANTILEVER DEFL (FT) WINDWARD	CANTILEVER DEFL (FT) NORMAL	MOMENT ABOVE TOP GI (KIP-FT) WINDWARD	MOMENT ABOVE TOP GI (KIP-FT) NORMAL
0.00	0.00	1.07	0.00	251.24	4.629	0.001	-393.80	0.00

OUTPUT: SPAN PARAMETERS

SPAN	BENDING MOMENTS (KIP-FT) WINDWARD TOP	BENDING MOMENTS (KIP-FT) WINDWARD BOTTOM	BENDING MOMENTS (KIP-FT) NORMAL TOP	BENDING MOMENTS (KIP-FT) NORMAL BOTTOM	TOTAL SHEARS (KIPS) WINDWARD TOP	TOTAL SHEARS (KIPS) WINDWARD BOTTOM	TOTAL SHEARS (KIPS) NORMAL TOP	TOTAL SHEARS (KIPS) NORMAL BOTTOM
1	-66.30	0.00	-0.03	0.00	-3.74	2.74	0.00	0.00
2	-71.29	-74.62	-0.03	-0.03	-4.35	4.36	0.00	0.00
3	-134.96	-88.18	0.09	-0.03	-4.57	3.88	0.00	0.00
4	24.99	-170.07	0.05	0.08	-3.89	7.03	0.00	0.00
5	-42.93	-0.90	-0.10	0.05	-6.26	5.79	0.00	0.00
6	-169.36	-77.48	-0.08	-0.10	-5.66	4.09	0.00	0.00
7	-313.70	-205.57	0.01	-0.08	-4.46	2.19	0.00	0.00

OUTPUT: TOTAL FORCES AT GUY ANCHORS

ANCHOR #	LOCATION REF ANGLE (DEG)	LOCATION HORIZ DIST (FT)	TOTAL FORCES (KIPS) UPLIFT	TOTAL FORCES (KIPS) M	TOTAL FORCES (KIPS) RESULT	ELEV ANGLE (DEG)
1	0.00	260.00	29.68	37.95	48.18	38.03
2	120.00	260.00	5.44	7.80	9.51	34.89
3	240.00	260.00	5.44	7.80	9.51	34.89
4	0.00	400.00	92.09	68.66	114.87	53.29
5	120.00	400.00	20.50	14.55	25.14	54.63
6	240.00	400.00	20.50	14.55	25.14	54.63

CONTROL PARAMETERS

7 GUY LEVELS
GUYED BASE
WIND LOADING DIRECTION "C"
TWO-WAY BENDING CONSIDERED
WIND LOADS ARE INPUT ITEMS

ANALYSIS PARAMETERS

0.000 INCH RADIAL ICE ON GUYS (SP WT 56.0 LB/CUFT)
AMBIENT TEMPERATURE = 30.00 DEG F
NORMAL TEMPERATURE = 70.00 DEG F
HEIGHT TO TOWER BASE = 0.0 FT
TOWER SHAFT MODULUS OF ELASTICITY = 29000.

INPUT ECHO: LOCAL LOADS AT GUY LEVELS AND PULL-OFF DATA

LVL	WIND VEL (MI/HR)	CONCENTRATED LOADS (KIPS) VERTICAL	HORIZONTAL WINDWARD	HORIZONTAL NORMAL	MOMENTS (KIP-FT) WINDWARD	MOMENTS (KIP-FT) NORMAL	MOMENTS (KIP-FT) TWIST	INSULATOR CLUSTERS WEIGHT (KIPS)	INSULATOR CLUSTERS DRAG (KIPS)
1	81.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	87.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	92.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	96.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	99.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	101.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	103.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOP		18.00	8.90	0.00	393.80	0.00	0.00		

INPUT ECHO: SPAN LOADS CONCENTRATED AT PANEL POINTS

SPAN	POINT	VERTICAL (KIPS)	HORIZONTAL (KIPS) WINDWARD	HORIZONTAL (KIPS) NORMAL	MOMENTS (KIP-FT) WINDWARD	MOMENTS (KIP-FT) NORMAL	MOMENTS (KIP-FT) TWIST
1	6	0.10	0.08	0.00	0.00	0.00	0.00
2	1	0.10	0.09	0.00	0.00	0.00	0.00
2	5	0.10	0.09	0.00	0.00	0.00	0.00
2	13	0.10	0.09	0.00	0.00	0.00	0.00
2	15	0.10	0.09	0.00	0.00	0.00	0.00
2	17	0.10	0.09	0.00	0.00	0.00	0.00
2	19	0.10	0.25	0.00	0.00	0.00	0.00
3	8	0.20	0.30	0.00	0.00	0.00	0.00
4	1	0.10	0.14	0.00	0.00	0.00	0.00
4	16	0.10	0.15	0.00	0.00	0.00	0.00
4	18	0.10	0.15	0.00	0.00	0.00	0.00
5	3	0.10	0.15	0.00	0.00	0.00	0.00
5	5	0.10	0.16	0.00	0.00	0.00	0.00
5	5	0.10	0.16	0.00	0.00	0.00	0.00
6	2	0.10	0.16	0.00	0.00	0.00	0.00
6	5	0.10	0.16	0.00	0.00	0.00	0.00
6	7	0.10	0.16	0.00	0.00	0.00	0.00
6	10	0.10	0.17	0.00	0.00	0.00	0.00
6	13	0.10	0.17	0.00	0.00	0.00	0.00
6	15	0.15	0.24	0.00	0.00	0.00	0.00
6	19	0.15	0.24	0.00	0.00	0.00	0.00
7	4	0.15	0.24	0.00	0.00	0.00	0.00
7	8	0.15	0.24	0.00	0.00	0.00	0.00
7	12	0.15	0.24	0.00	0.00	0.00	0.00
7	14	0.15	0.20	0.00	0.00	0.00	0.00
7	16	0.15	0.20	0.00	0.00	0.00	0.00
7	16	0.10	0.18	0.00	0.00	0.00	0.00

INPUT ECHO: SPAN DATA

SPAN	LENGTH (FT)	FACE WD (FT)	PANEL TYPE	PANEL HT (FT) TOP	PANEL HT (FT) BOTTOM	PANEL HT (FT) UNIFORM	# UNIF PANELS	SPAN MOM OF INER (INFT)**2	SPAN TORS STIFFNESS (KIP-FT)	SPAN WEIGHT (KIPS)	SPAN WIND LOAD (KIPS)
1	93.500	4.000	N	5.000	3.500	5.000	17	24.21	104.23	7.23	5.734
2	95.167	4.000	N	5.084	5.083	5.000	17	24.21	104.23	7.47	8.291
3	95.167	4.000	N	5.084	5.083	5.000	17	24.21	104.23	7.22	9.310
4	95.167	4.000	N	5.084	5.083	5.000	17	24.21	104.23	7.11	10.093
5	94.500	4.000	N	4.750	4.750	5.000	17	24.21	104.23	6.85	9.967
6	95.167	4.000	N	5.084	5.083	5.000	17	19.55	104.23	6.12	9.567
7	94.432	4.000	N	4.716	4.716	5.000	17	17.89	104.23	5.60	8.388

INPUT ECHO: GUY DATA AND RELATED INFORMATION

	GUY #	DISTANCE (FT) HORIZ	VERT	TENS (KIPS)	UNIT WT (LB/FT)	DIAM (IN)	AE (KIPS)	LEV ARM (FT)	WIND ANGLES (DEG) WIND TO GUY	WIND TO LEV ARM	INSULATORS ON GUY WEIGHT (LBS)	AREA (SQFT)	LENGTH (FT)	ANCHOR PIN HT ABV GND (FT)
1	1	260.00	103.50	5.00	0.8130	0.6250	4700.	2.500	30.00	30.00	0.00	0.00	0.000	
1	2	260.00	103.50	5.00	0.8130	0.6250	4700.	2.500	150.00	150.00	0.00	0.00	0.000	
1	3	260.00	103.50	5.00	0.8130	0.6250	4700.	2.500	270.00	270.00	0.00	0.00	0.000	
2	1	260.00	198.50	4.00	0.8130	0.6250	4700.	2.500	30.00	30.00	0.00	0.00	0.000	
2	2	260.00	198.50	4.00	0.8130	0.6250	4700.	2.500	150.00	150.00	0.00	0.00	0.000	
2	3	260.00	198.50	4.00	0.8130	0.6250	4700.	2.500	270.00	270.00	0.00	0.00	0.000	
3	1	260.00	294.00	6.00	1.1550	0.7500	6720.	2.500	30.00	30.00	0.00	0.00	0.000	
3	2	260.00	294.00	6.00	1.1550	0.7500	6720.	2.500	150.00	150.00	0.00	0.00	0.000	
3	3	260.00	294.00	6.00	1.1550	0.7500	6720.	2.500	270.00	270.00	0.00	0.00	0.000	
4	1	400.00	393.50	4.00	0.8130	0.6250	4700.	2.500	30.00	30.00	0.00	0.00	0.000	
4	2	400.00	393.50	4.00	0.8130	0.6250	4700.	2.500	150.00	150.00	0.00	0.00	0.000	
4	3	400.00	393.50	4.00	0.8130	0.6250	4700.	2.500	270.00	270.00	0.00	0.00	0.000	
5	1	400.00	488.00	6.00	1.1550	0.7500	6720.	2.500	30.00	30.00	0.00	0.00	0.000	
5	2	400.00	488.00	6.00	1.1550	0.7500	6720.	2.500	150.00	150.00	0.00	0.00	0.000	
5	3	400.00	488.00	6.00	1.1550	0.7500	6720.	2.500	270.00	270.00	0.00	0.00	0.000	
6	1	400.00	583.00	7.00	1.5810	0.8750	9340.	2.500	30.00	30.00	0.00	0.00	0.000	
	2	400.00	583.00	7.00	1.5810	0.8750	9340.	2.500	150.00	150.00	0.00	0.00	0.000	
6	3	400.00	583.00	7.00	1.5810	0.8750	9340.	2.500	270.00	270.00	0.00	0.00	0.000	
7	1	400.00	678.00	12.00	2.0730	1.0000	11940.	2.500	30.00	30.00	0.00	0.00	0.000	
7	2	400.00	678.00	12.00	2.0730	1.0000	11940.	2.500	150.00	150.00	0.00	0.00	0.000	
7	3	400.00	678.00	12.00	2.0730	1.0000	11940.	2.500	270.00	270.00	0.00	0.00	0.000	

OUTPUT: WIND LOADS

SPAN	TOWER WIND LOAD (KIPS)	LEVEL	INSULATOR CLUSTERS WIND LOAD (KIPS)
1	5.73	1	0.00
2	8.29	2	0.00
3	9.31	3	0.00
4	10.09	4	0.00
5	9.97	5	0.00
6	9.57	6	0.00
7	8.39	7	0.00

OUTPUT: GUY WEIGHTS, LENGTHS AND FORCES

LVL	GUY #	EFF D (IN)	TOTAL WT (KIPS)	UNSTRESSED LENGTH (FT)	FORCES AT TOWER (KIPS) TENSION	WINDWARD	NORMAL	VERT	FORCES AT ANCHORAGE (KIPS) UPLIFT	M	N	TWIST (KIP-FT)
1	1	0.6250	0.227	279.56	11.66	9.36	5.38	4.40	4.22	10.89	-0.01	-0.145
1	2	0.6250	0.227	279.56	1.89	-1.52	0.83	0.77	0.60	1.71	0.04	-0.138
1	3	0.6250	0.227	279.56	6.30	-0.14	-5.82	2.43	2.20	5.82	-0.15	0.238
2	1	0.6250	0.266	326.86	13.71	9.40	5.40	8.39	8.24	11.01	0.00	-0.151
2	2	0.6250	0.266	326.86	0.87	-0.62	0.27	0.55	0.41	0.58	0.07	-0.194
2	3	0.6250	0.266	326.86	7.20	-0.18	-5.66	4.45	4.19	5.66	-0.20	0.338
3	1	0.7500	0.453	392.15	23.62	13.49	7.74	17.79	17.56	15.91	0.04	-0.216
3	2	0.7500	0.453	392.15	1.24	-0.78	0.30	0.91	0.69	0.57	0.13	-0.344
3	3	0.7500	0.453	392.15	13.15	-0.25	-8.61	9.94	9.49	8.61	-0.32	0.459
4	1	0.6250	0.456	560.75	18.21	11.16	6.41	12.88	12.70	13.29	0.04	-0.239
4	2	0.6250	0.456	560.75	1.35	-0.92	0.35	0.91	0.74	0.70	0.16	-0.427
4	3	0.6250	0.456	560.75	9.36	-0.36	-6.56	6.67	6.21	6.56	-0.42	0.748
5	1	0.7500	0.728	630.54	22.12	11.93	6.93	17.30	16.99	14.49	0.10	-0.451
5	2	0.7500	0.728	630.54	2.59	-1.60	0.64	1.93	1.63	1.19	0.25	-0.656
	3	0.7500	0.728	630.54	11.64	-0.54	-7.19	9.13	8.40	7.20	-0.60	1.167
6	1	0.8750	1.117	706.67	24.39	11.52	6.79	20.39	19.85	14.41	0.18	-0.659
6	2	0.8750	1.117	706.67	4.16	-2.33	0.94	3.31	2.77	1.65	0.36	-0.943
6	3	0.8750	1.117	706.67	14.73	-0.76	-8.07	12.30	11.19	8.07	-0.82	1.683
7	1	1.0000	1.630	786.50	48.08	20.68	11.99	41.72	40.83	25.38	0.29	-0.703
7	2	1.0000	1.630	786.50	4.94	-2.61	0.96	4.08	3.19	1.49	0.49	-1.262
7	3	1.0000	1.630	786.50	26.51	-0.89	-13.14	23.01	21.37	13.16	-1.09	1.895

OUTPUT: TOWER BEHAVIOR AT GUY LEVELS

LVL	DEFLECTION (FT) WINDWARD	DEFLECTION (FT) NORMAL	TWIST (DEG)	REACTIONS (KIPS) WINDWARD	REACTIONS (KIPS) NORMAL	REACTIONS (KIPS) VERT	REACTIONS (KIP-FT) WINDWARD	REACTIONS (KIP-FT) NORMAL	REACTIONS (KIP-FT) TWIST	AXIAL FORCE (KIPS)	PHI
1	0.429	0.010	-0.418	7.71	0.39	7.60	7.85	-0.39	-0.05	268.31	1.59819
2	1.046	-0.172	-0.443	8.60	0.01	13.39	16.96	-0.04	-0.01	253.10	1.57764
3	2.053	-0.509	-0.472	12.45	-0.57	28.64	36.54	1.48	-0.10	231.89	1.50750
4	3.182	-0.619	-0.556	9.88	0.20	20.46	25.90	-0.56	0.08	195.89	1.40070
5	3.001	-0.331	-0.595	9.79	0.38	28.36	33.26	-1.21	0.06	168.03	1.32126
6	3.001	-0.375	-0.601	8.43	-0.33	36.01	36.98	1.12	0.08	132.78	1.31813
7	6.106	-1.293	-0.562	17.18	-0.19	68.80	81.48	0.27	-0.07	90.11	1.21575

OUTPUT: BEHAVIOR AT TOWER EXTREMITIES

BASE MOMENTS (KIP-FT) WINDWARD	BASE MOMENTS (KIP-FT) NORMAL	BASE SHEAR (KIPS) WINDWARD	BASE SHEAR (KIPS) NORMAL	BASE VERTICAL (KIPS)	CANTILEVER DEFL (FT) WINDWARD	CANTILEVER DEFL (FT) NORMAL	MOMENT ABOVE TOP GL (KIP-FT) WINDWARD	MOMENT ABOVE TOP GL (KIP-FT) NORMAL
0.00	0.00	0.82	0.11	272.00	6.106	-1.293	-393.80	0.00

OUTPUT: SPAN PARAMETERS

	BENDING MOMENTS (KIP-FT)		TOTAL SHEARS (KIPS)	
SPAN	WINDWARD	NORMAL	WINDWARD	NORMAL

OUTPUT: APPLIED AND ALLOWABLE LEG LOADS

SECT	TYPE	DIMENSIONS (IN)	MODE	LOAD (KIPS) MIN APPL		MAX APPL		ALLOW	% OVER
1	PIPE	3.500x 0.300	CMPR1	78.92	B	97.74	C	96.13	1.7
2	PIPE	3.500x 0.300	CMPR1	75.32	B	101.95	C	96.13	6.1
3	PIPE	3.500x 0.300	CMPR1	75.18	B	101.70	C	96.13	5.8
4	PIPE	3.500x 0.300	CMPR1	77.44	B	97.78	A	96.13	1.7
5	PIPE	3.500x 0.300	CMPR1	57.24	B	116.34	A	96.13	21.0
6	PIPE	3.500x 0.300	CMPR1	63.27	B	110.52	A	96.13	15.0
7	PIPE	3.500x 0.300	CMPR1	72.93	B	94.55	A	96.13	
8	PIPE	3.500x 0.300	CMPR1	72.21	B	89.98	C	96.13	
9	PIPE	3.500x 0.300	CMPR1	72.46	B	100.66	A	96.13	4.7
10	PIPE	3.500x 0.300	CMPR1	46.98	B	115.04	A	96.13	19.7
11	PIPE	3.500x 0.300	CMPR1	56.59	B	103.22	A	96.13	7.4
12	PIPE	3.500x 0.300	CMPR1	68.90	B	86.36	A	96.13	
13	PIPE	3.500x 0.300	CMPR1	62.03	B	84.32	A	96.13	
14	PIPE	3.500x 0.300	CMPR1	43.35	B	98.37	A	96.13	2.3
15	PIPE	3.500x 0.300	CMPR1	12.91	B	109.45	A	96.13	13.9
16	PIPE	3.500x 0.300	CMPR1	40.39	B	77.36	A	96.13	
17	PIPE	3.500x 0.300	CMPR1	26.08	A	88.10	A	96.13	
18	PIPE	3.500x 0.300	CMPR1	19.84	A	91.58	C	96.13	
19	PIPE	3.500x 0.300	CMPR1	21.18	A	89.72	C	96.13	
20	PIPE	3.500x 0.300	CMPR1	19.71	A	79.07	C	96.13	
21	PIPE	3.500x 0.300	CMPR1	10.60	A	89.72	C	96.13	
22	PIPE	3.500x 0.300	CMPR1	11.19	A	90.10	C	96.13	
23	PIPE	3.500x 0.300	CMPR1	23.89	A	83.16	B	96.13	
24	PIPE	3.500x 0.300	CMPR1	19.66	B	80.94	A	96.13	
25	PIPE	3.500x 0.300	CMPR1	25.23	B	77.86	A	96.13	
26	PIPE	3.500x 0.216	CMPR1	29.61	C	76.09	A	71.62	6.2
27	PIPE	3.500x 0.216	CMPR1	24.26	A	88.91	A	71.62	24.1
28	PIPE	3.500x 0.216	CMPR1	10.94	C	110.49	A	71.62	54.3
29	PIPE	3.500x 0.216	CMPR1	-31.23	B	131.41	A	71.62	83.5
30	PIPE	3.500x 0.216	CMPR1	-26.07	B	123.48	A	71.62	72.4
31	PIPE	3.500x 0.216	CMPR1	-23.45	B	113.05	A	71.62	57.8
32	PIPE	3.500x 0.216	CMPR1	-33.50	B	108.43	A	71.62	51.4
33	PIPE	3.500x 0.216	CMPR1	-64.59	B	120.51	A	71.62	68.3

OUTPUT: GUY TENSIONS AND SAFETY FACTORS

LVL	STRAND TYPE	DIAM (IN)	TOT WT (KIPS)	BREAK STR (KIPS)	MAX TENS (KIPS)		SAFETY FACTOR
1	EHS7	0.6250	0.68	42.40	12.60	B	3.37
2	EHS7	0.6250	0.80	42.40	13.87	B	3.06
3	EHS19	0.7500	1.36	58.30	23.62	C	2.47
4	EHS7	0.6250	1.37	42.40	18.36	B	2.31
5	EHS19	0.7500	2.18	58.30	23.47	B	2.48
6	EHS19	0.8750	3.35	79.70	25.49	B	3.13
7	EHS19	1.0000	4.89	104.50	48.08	C	2.17

TOTAL CABLE WT 14.63

OUTPUT: APPLIED AND ALLOWABLE DIAGONAL AND HORIZONTAL LOADS

DIAGONALS

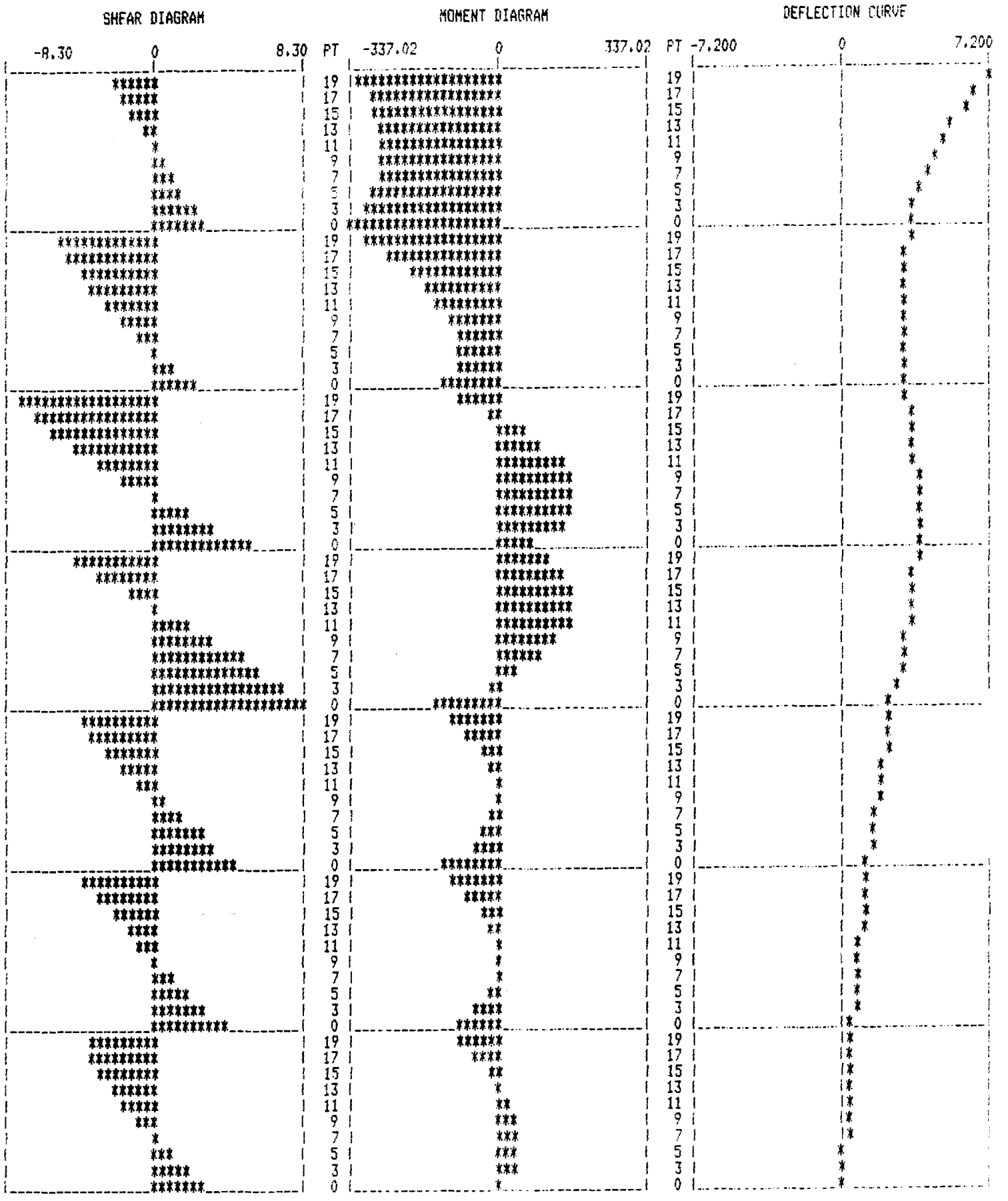
SECT	TYPE	DIMENSIONS (IN)	MODE	LOAD (KIPS) MAX APPL		ALLOW	% OVER
1	ROD	0.625	TENSN	2.07	C	12.28	
2	ROD	0.625	TENSN	1.00	B	12.28	
3	ROD	0.625	TENSN	2.01	C	12.28	
4	ROD	0.625	TENSN	3.29	C	12.28	
5	ROD	0.625	TENSN	3.94	C	12.28	
6	ROD	0.625	TENSN	3.42	C	12.28	
7	ROD	0.625	TENSN	1.67	C	12.28	
8	ROD	0.625	TENSN	1.65	C	12.28	
9	ROD	0.625	TENSN	3.50	C	12.28	
10	ROD	0.625	TENSN	4.32	C	12.28	
11	ROD	0.625	TENSN	3.28	C	12.28	
12	ROD	0.625	TENSN	1.40	A	12.28	
13	ROD	0.625	TENSN	2.54	B	12.28	
14	ROD	0.625	TENSN	4.19	C	12.28	
15	ROD	0.625	TENSN	7.90	C	12.28	
16	ROD	0.625	TENSN	6.23	C	12.28	
17	ROD	0.625	TENSN	3.72	C	12.28	
18	ROD	0.625	TENSN	1.48	C	12.28	
19	ROD	0.625	TENSN	4.73	C	12.28	
20	ROD	0.625	TENSN	4.97	C	12.28	
21	ROD	0.625	TENSN	2.49	B	12.28	
22	ROD	0.625	TENSN	3.40	A	12.28	
23	ROD	0.625	TENSN	5.95	C	12.28	
24	ROD	0.625	TENSN	7.31	C	12.28	
25	ROD	0.625	TENSN	2.95	B	12.28	
26	ROD	0.625	TENSN	1.73	A	12.28	
27	ROD	0.625	TENSN	3.33	C	12.28	
28	ROD	0.625	TENSN	5.18	C	12.28	
29	ROD	0.625	TENSN	5.79	C	12.28	
30	ROD	0.625	TENSN	1.87	C	12.28	
31	ROD	0.625	TENSN	1.21	B	12.28	
32	ROD	0.625	TENSN	2.49	B	12.28	
33	ROD	0.625	TENSN	3.98	B	12.28	

HORIZONTALS

SECT	TYPE	DIMENSIONS (IN)	MODE	LOAD (KIPS) MAX APPL		ALLOW	% OVER
1	ROD	1.000	CMPR1	1.51	C	4.82	
2	ROD	1.000	CMPR1	0.62	B	4.82	
3	ROD	1.000	CMPR1	1.26	C	4.82	
4	ROD	1.000	CMPR1	2.06	C	4.82	
5	ROD	1.000	CMPR1	2.42	C	4.82	
6	ROD	1.000	CMPR1	2.14	C	4.82	
7	ROD	1.000	CMPR1	1.04	C	4.82	
8	ROD	1.000	CMPR1	1.03	C	4.82	
9	ROD	1.000	CMPR1	2.19	C	4.82	
10	ROD	1.000	CMPR1	2.55	C	4.82	
11	ROD	1.000	CMPR1	2.05	C	4.82	
12	ROD	1.000	CMPR1	0.88	A	4.82	
13	ROD	1.000	CMPR1	1.59	B	4.82	
14	ROD	1.000	CMPR1	2.61	C	4.82	
15	ROD	1.000	CMPR1	4.88	C	4.82	1.2
16	ROD	1.000	CMPR1	3.89	C	4.82	
17	ROD	1.000	CMPR1	2.33	C	4.82	
18	ROD	1.000	CMPR1	0.92	C	4.82	
19	ROD	1.000	CMPR1	2.39	C	4.82	
20	ROD	1.000	CMPR1	3.20	C	4.82	
21	ROD	1.000	CMPR1	1.56	B	4.82	
22	ROD	1.000	CMPR1	2.12	A	4.82	
23	ROD	1.000	CMPR1	3.72	C	4.82	
24	ROD	1.000	CMPR1	4.41	C	4.82	
25	ROD	1.000	CMPR1	1.84	B	4.82	
26	ROD	1.000	CMPR1	1.08	A	4.82	
27	ROD	1.000	CMPR1	2.08	C	4.82	
28	ROD	1.000	CMPR1	3.23	C	4.82	
29	ROD	1.000	CMPR1	3.41	C	4.82	
30	ROD	1.000	CMPR1	1.17	C	4.82	
31	ROD	1.000	CMPR1	0.76	B	4.82	
32	ROD	1.000	CMPR1	1.56	B	4.82	
33	ROD	1.000	CMPR1	2.46	B	4.82	

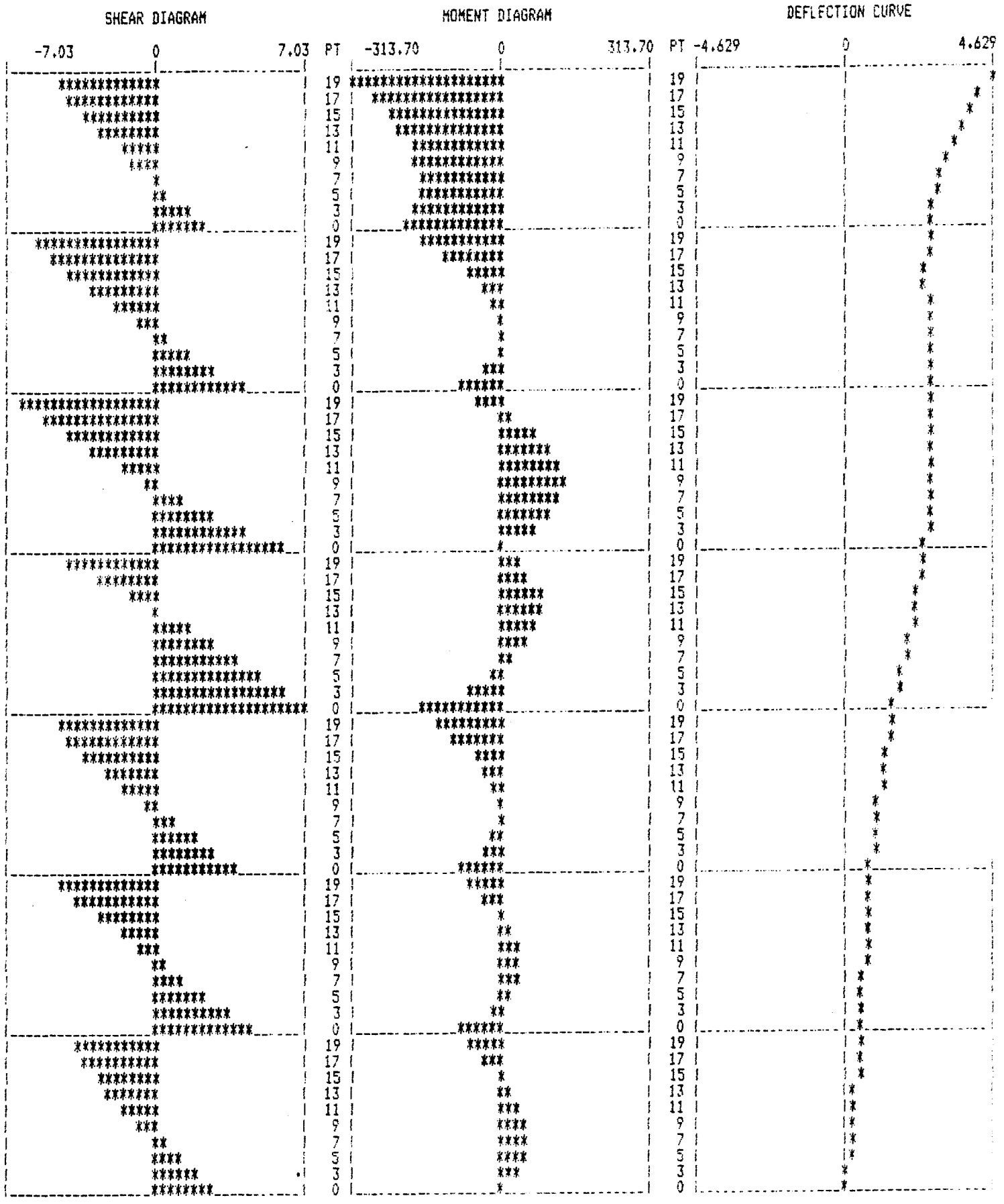
VLISSIDES 666' Guyed Tower, REVISED ANALYSIS, 75 Mph Basic Vel., EIA/TIA 222E WIND A 1-24-92 BALTIMOR2.PLT

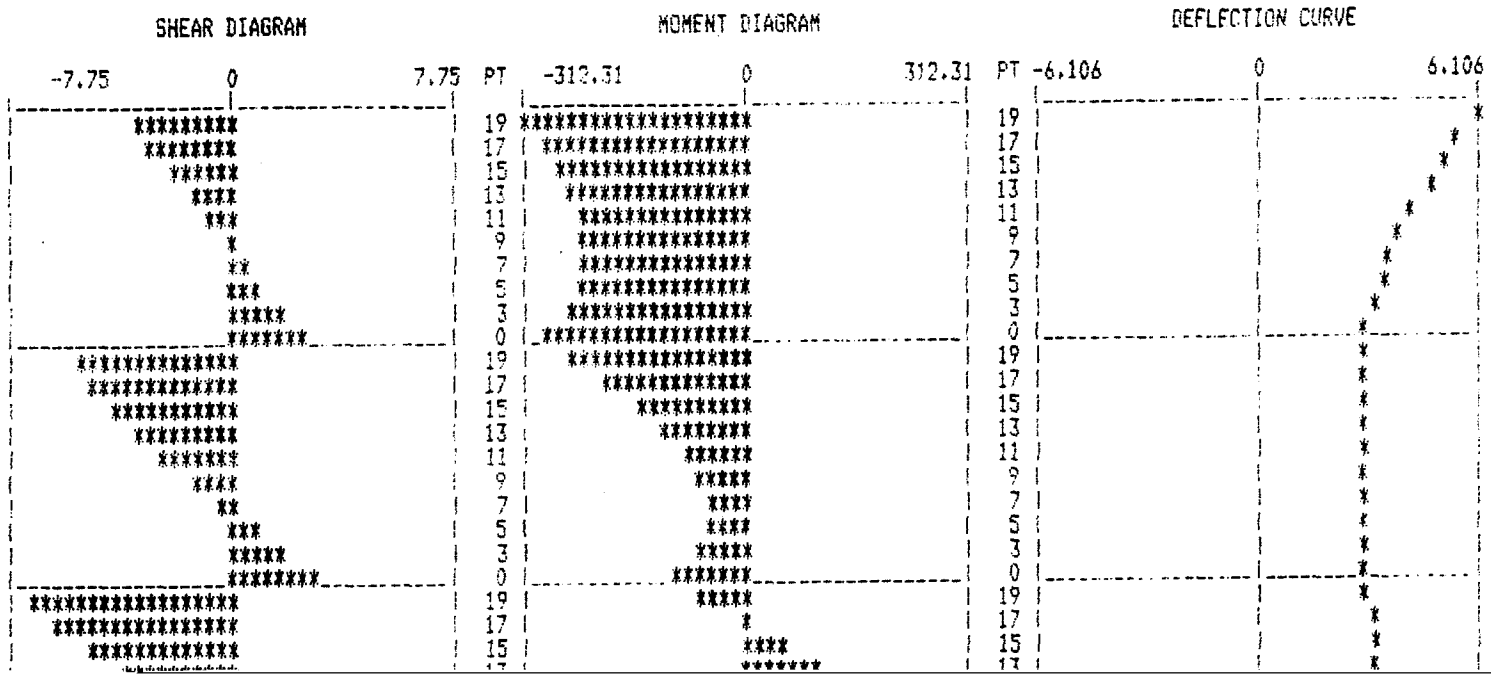
OUTPUT: DATA PLOTS



VLISSIDES 666' Guyed Tower, REVISED ANALYSIS, 75 Mph Basic Vel., EIA/TIA 222E WIND B 1-24-92 BALTIMOR2.PLT

OUTPUT: DATA PLOTS



VLISSIDES 666' Guyed Tower, REVISED ANALYSIS, 75 Mph Basic Vel., EIA/TIA 222E WIND C 1-24-92 BALTIMOR2.PLT

OUTPUT: DATA PLOTS