[DEMOGU] - 300 FT GUYED TOWER ANALYSIS - OCTOBER 2004

MAST GEOMETRY (ft)

PANEL TYPE	NO.OF LEGS	SUB DIVIDE	..ELEVATION OF.. BOTTOM	TOP	..FACE WIDTH AT.. BOTTOM	TOP	TYPICAL PANEL HEIGHT
x	3	0	260.000	300.000	2.500	2.500	1.67
d	3	0	160.000	260.000	2.500	2.500	1.25
x	3	0	120.000	160.000	2.500	2.500	1.67
d	3	0	0.000	120.000	2.500	2.500	1.25

PANEL PROPERTIES

BOTTOM ELEV ft	TOP ELEV ft	TYPE OF MATERIALS USED IN..... LEGS	DIAGS	HORIZ	INTRNL BRACING	SUB DIAGS	SUB HORIZ	GUSSET
260.000	300.000	2	4	4	0	0	0	0
160.000	260.000	2	3	0	0	0	0	0
120.000	160.000	1	4	4	0	0	0	0
0.000	120.000	1	3	0	0	0	0	0

MATERIAL TYPES

TYPE OF SHAPE	TYPE NO	NO OF ELEMENTS	ORIENT-ATION & deg	PROJECTION.ALONG VERT in	HORIZ in	THICK-NESS # in	DENSITY * pcf
sr	1	1	0.0	2.25	0.00	0.000	500.0
sr	2	1	0.0	2.00	0.00	0.000	500.0
sr	3	1	0.0	0.75	0.00	0.000	500.0
sr	4	1	0.0	1.00	0.00	0.000	500.0
sr	5	1	0.0	0.50	0.00	0.000	500.0
sch40	6	1	0.0	2.50	0.00	0.000	165.0
c	7	1	0.0	2.00	5.00	0.125	0.125
sch40	8	1	0.0	12.00	0.00	0.000	100.0
l	9	1	0.0	4.00	4.00	0.250	500.0
sch40	10	1	0.0	4.00	0.00	0.000	500.0
sch40	11	2	0.0	6.00	0.00	0.000	100.0
l	12	2	0.0	3.50	3.00	0.250	500.0
RHSS	13	1	0.0	2.88	0.00	0.188	500.0
sch40	14	1	0.0	2.50	0.00	0.000	165.0
sch40	15	1	0.0	1.50	0.00	0.000	165.0

& - With respect to vertical # - Web in WF,C & T sections
* - Flange thickness in WF,C & T sections

LADDER GEOMETRY

..ELEVATION OF.. BOTTOM ft	TOP ft	.....SIZE.... WIDTH in	STEP in	.....POSITION..... DIST * ft	AZI deg	ORIENT & deg	...MATERIALS.... RAIL	RUNG	SAFE T-RAIL
0.000	300.000	26.00	45.00	0.72	180.00	90.00	0	7	0
0.000	300.000	10.00	15.00	0.63	180.00	90.00	0	5	6

* if negative a constant distance from face based on bottom elevation
& if negative orientation is disregarded in calculation of loads

TRANSMISSION LINES

TYPE OF LINE	..ELEVATION OF.. BOTTOM ft	TOP ft	NO.OF LINES	.....POSITION..... DISTANCE * ft	AZI # deg	ORIENT & deg	C/C SPACING in	WT MULT
ewp63	0.000	287.000	1	0.50	230.0	230.0	0.00	1
ewp63	0.000	272.000	2	0.30	180.0	90.0	2.32	1
ewp63	0.000	236.000	1	0.30	180.0	180.0	0.00	1
fh1.625	0.000	151.000	1	0.50	130.0	130.0	0.00	1
fh0.875	0.000	131.000	1	0.70	120.0	120.0	0.00	1

* if negative a constant distance from face based on bottom elevation
# if negative the line considered same on all faces and integral with tower
& if negative orientation is disregarded in calculation of loads

OTHER MOUNTINGS

ELEV ft	TYPE.OF MATERIAL	NO.OF ELMNTS	LENGTH ft	....LOCATION.... DISTANCE ft	AZI & deg	ORIENTATION HORIZ deg	VERT deg
300.000	8	1	1.00	0.00	0.00	0.00	90.00
287.000	10	1	8.00	2.00	350.00	0.00	90.00
287.000	9	2	3.00	0.83	300.00	30.00	0.00
280.000	12	2	14.00	1.80	240.00	150.00	0.00
280.000	12	2	14.00	1.80	0.00	90.00	0.00
280.000	12	2	14.00	1.80	120.00	30.00	0.00
272.000	10	1	8.00	2.00	350.00	0.00	90.00
272.000	9	2	3.00	0.83	60.00	150.00	0.00
272.000	10	1	6.00	2.00	110.00	0.00	90.00
272.000	9	2	3.00	0.83	300.00	30.00	0.00
236.000	10	1	6.00	2.00	110.00	0.00	90.00
236.000	9	2	3.00	0.83	60.00	150.00	0.00
151.000	10	1	6.00	2.00	230.00	0.00	90.00
151.000	9	2	3.00	0.83	180.00	90.00	0.00
140.000	12	2	14.00	1.80	240.00	150.00	0.00
140.000	12	2	14.00	1.80	0.00	90.00	0.00
140.000	12	2	14.00	1.80	120.00	30.00	0.00
131.000	10	1	4.00	2.00	230.00	0.00	90.00

& if negative orientation is disregarded in calculation of loads

MICROWAVE PARABOLIC ANTENNAS
==========

TYPE	ELEV	.....ANTENNA..... AZIMUTH	SIZE	....POSITION.... RADIUS	AZIMUTH	SHIELDING PERMITTED
	ft	deg	ft	ft	deg	percent
std+r	287.000	296.00	10.00	2.45	0.00	50.
hp	272.000	105.00	10.00	2.45	120.00	50.
hp	272.000	296.00	8.00	2.45	0.00	50.
hp	236.000	105.00	10.00	2.45	120.00	50.
std	151.000	241.00	10.00	2.45	240.00	50.

GUY GEOMETRY
==========

ELEV	GUY AZI	GUY TYPE *	DIAMETER	HEIGHT	RADIUS	MAST ATTACH RADIUS	ATTACH AZI	INITIAL TENSION
ft	deg		in	ft	ft	ft	deg	kip
280.0	120.	BS	0.750	280.0	230.0	8.080	60.	6.800
280.0	240.	BS	0.750	280.0	230.0	8.080	180.	6.800
280.0	0.	BS	0.750	280.0	230.0	8.080	300.	6.800
280.0	0.	BS	0.750	280.0	230.0	8.080	60.	6.800
280.0	120.	BS	0.750	280.0	230.0	8.080	180.	6.800
280.0	240.	BS	0.750	280.0	230.0	8.080	300.	6.800
230.0	0.	GS	0.625	230.0	230.0	1.440	0.	4.030
230.0	120.	GS	0.625	230.0	230.0	1.440	120.	4.030
230.0	240.	GS	0.625	230.0	230.0	1.440	240.	4.030
185.0	0.	GS	0.500	185.0	230.0	1.440	0.	2.550
185.0	120.	GS	0.500	185.0	230.0	1.440	120.	2.550
185.0	240.	GS	0.500	185.0	230.0	1.440	240.	2.550
140.0	120.	GS	0.500	140.0	230.0	8.080	60.	2.550
140.0	240.	GS	0.500	140.0	230.0	8.080	180.	2.550
140.0	0.	GS	0.500	140.0	230.0	8.080	300.	2.550
140.0	0.	GS	0.500	140.0	230.0	8.080	60.	2.550
140.0	120.	GS	0.500	140.0	230.0	8.080	180.	2.550
140.0	240.	GS	0.500	140.0	230.0	8.080	300.	2.550
90.0	0.	GS	0.438	90.0	230.0	1.440	0.	1.950
90.0	120.	GS	0.438	90.0	230.0	1.440	120.	1.950
90.0	240.	GS	0.438	90.0	230.0	1.440	240.	1.950
45.0	0.	GS	0.438	45.0	230.0	1.440	0.	1.950
45.0	120.	GS	0.438	45.0	230.0	1.440	120.	1.950
45.0	240.	GS	0.438	45.0	230.0	1.440	240.	1.950

* GS - guy strand
BS - bridge strand

==========

LOADING CONDITION A ==========

Bare tower 100 mph wind at azimuth 0 deg

WIND LOADING
==========

.....WIND LOADING.....			...ICE LOADING..		.....TYPE OF.....			....FACTORS.....		
AZI	SPEED	REF.VEL. PRESS.	RADIUS	DENSITY	EXP	STD	ANT LOAD	WIND LOAD	DEAD LOAD	ICE LOAD
deg	mph	psf	in	pcf	*	&	#			
0.0	100.00	0.00	0.00	56.20	1	1	1	1.00	1.00	1.00

* Type of Exposure : 1 - Wind profile (Kz) based on EIA 222 F (June 1996)
2 - Wind profile Kz = 1 ; Gh = 1
3 - Wind profile (Kz) based on EIA 222 C (Mar.1976)
4 - Wind factors supplied by user (Gh=1, step function)
5 - Wind profile UBC (May.1988) Exposure C
6 - Wind profile UBC (May.1988) Exposure B
7 - Wind profile Site Specific Wind Formula

& Type of Standard : 1 - EIA - 222 F (June 1996)
2 - EIA - 222 C (March 1976)
3 - UBC - 88 (May 1 1988)

Type of Antenna load :
1 - Antenna forces for this wind direction
2 - Maximum possible forces regardless of wind direction

SUPPRESS PRINTING
==========

....LOAD SUMMARY FOR....			.....LOAD COMPONENTS.....					
MAST	GUYMAST	PANEL POINTS	PANELS	LADDERS	TX-LINES	DISCRETE APPURTENANCES	INDIVIDUAL ELEMENTS	
no	no	no	no	no	no	no	no	

MAST LOADING
==========

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	.....FORCES..... HORIZ	DOWN	.....MOMENTS..... VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
D	300.000	0.00	0.0	0.0	0.0812	0.0810	0.0036	0.0000
D	288.338	0.00	0.0	0.0	0.0804	0.0810	0.0036	0.0000
D	288.338	0.00	0.0	0.0	0.0820	0.0811	0.0036	0.0006
D	286.672	0.00	0.0	0.0	0.0820	0.0811	0.0036	0.0006
D	286.672	0.00	0.0	0.0	0.0886	0.0815	0.0038	0.0032
D	273.344	0.00	0.0	0.0	0.0876	0.0815	0.0038	0.0032
D	273.344	0.00	0.0	0.0	0.0896	0.0817	0.0038	0.0032
D	271.678	0.00	0.0	0.0	0.0896	0.0817	0.0038	0.0032
D	271.678	0.00	0.0	0.0	0.0989	0.0826	0.0041	0.0032
D	261.682	0.00	0.0	0.0	0.0980	0.0826	0.0041	0.0032
D	261.682	0.00	0.0	0.0	0.0976	0.0822	0.0041	0.0031
D	260.000	0.00	0.0	0.0	0.0976	0.0822	0.0041	0.0031
D	260.000	0.00	0.0	0.0	0.0821	0.0501	0.0041	0.0032
D	236.250	0.00	0.0	0.0	0.0800	0.0501	0.0041	0.0031

D	236.250	0.00	0.0	0.0	0.0852	0.0505	0.0042	0.0031
D	160.000	0.00	0.0	0.0	0.0774	0.0506	0.0042	0.0028
D	160.000	0.00	0.0	0.0	0.0919	0.0918	0.0042	0.0027
D	151.670	0.00	0.0	0.0	0.0908	0.0918	0.0042	0.0027
D	151.670	0.00	0.0	0.0	0.0955	0.0923	0.0044	0.0008
D	150.004	0.00	0.0	0.0	0.0955	0.0923	0.0044	0.0008
D	150.004	0.00	0.0	0.0	0.0986	0.0926	0.0045	-0.0005
D	131.678	0.00	0.0	0.0	0.0953	0.0926	0.0045	-0.0005
D	131.678	0.00	0.0	0.0	0.0976	0.0928	0.0046	-0.0021
D	130.012	0.00	0.0	0.0	0.0976	0.0928	0.0046	-0.0021
D	130.012	0.00	0.0	0.0	0.0990	0.0929	0.0046	-0.0032
D	121.682	0.00	0.0	0.0	0.0975	0.0929	0.0046	-0.0031
D	121.682	0.00	0.0	0.0	0.0970	0.0926	0.0046	-0.0031
D	120.000	0.00	0.0	0.0	0.0970	0.0926	0.0046	-0.0031
D	120.000	0.00	0.0	0.0	0.0823	0.0604	0.0046	-0.0030
D	0.000	0.00	0.0	0.0	0.0570	0.0604	0.0046	-0.0021
C	300.000	0.00	0.0	0.0	0.0467	0.0109	0.0000	0.0000
C	287.000	1.55	342.6	0.0	0.2125	0.1285	0.0000	0.0107
C	280.000	0.00	300.6	0.0	1.2568	0.9115	0.0000	0.0000
C	272.000	0.80	30.0	0.0	0.3633	0.2350	0.0000	0.0149
C	236.000	1.46	100.5	0.0	0.1479	0.1065	0.0000	0.0235
C	151.000	1.46	220.5	0.0	0.2248	0.1065	0.0000	0.0627
C	140.000	0.00	300.6	0.0	1.0310	0.9115	0.0000	0.0000
C	131.000	2.00	230.0	0.0	0.0566	0.0441	0.0000	0.0000

GUYMAST LOADING
==========

LOAD	ELEV	.....FORCES (kip).....			...MOMENTS (ft.kips)...			ANTENNA
TYPE	ft	NORTH	EAST	DOWN	NORTH	EAST	TORSION	AZIMUTH
D	300.000	-0.0812	0.0000	0.0810	-0.0036	0.0000	0.0000	
D	288.338	-0.0804	0.0000	0.0810	-0.0036	0.0000	0.0000	
D	288.338	-0.0820	0.0000	0.0811	-0.0036	0.0000	0.0006	
D	286.672	-0.0820	0.0000	0.0811	-0.0036	0.0000	0.0006	
D	286.672	-0.0886	0.0000	0.0815	-0.0038	-0.0002	0.0032	
D	273.344	-0.0876	0.0000	0.0815	-0.0038	-0.0002	0.0032	
D	273.344	-0.0896	0.0000	0.0817	-0.0038	-0.0002	0.0032	
D	271.678	-0.0896	0.0000	0.0817	-0.0038	-0.0002	0.0032	
D	271.678	-0.0989	0.0000	0.0826	-0.0041	-0.0002	0.0032	
D	261.682	-0.0980	0.0000	0.0826	-0.0041	-0.0002	0.0032	
D	261.682	-0.0976	0.0000	0.0822	-0.0041	-0.0002	0.0031	
D	260.000	-0.0976	0.0000	0.0822	-0.0041	-0.0002	0.0031	
D	260.000	-0.0821	0.0000	0.0501	-0.0041	-0.0002	0.0032	
D	236.250	-0.0800	0.0000	0.0501	-0.0041	-0.0002	0.0031	
D	236.250	-0.0852	0.0000	0.0505	-0.0042	-0.0002	0.0031	
D	160.000	-0.0774	0.0000	0.0506	-0.0042	-0.0002	0.0028	
D	160.000	-0.0919	0.0000	0.0918	-0.0042	-0.0002	0.0027	

D	151.670	-0.0908	0.0000	0.0918	-0.0042	-0.0002	0.0027	
D	151.670	-0.0955	0.0000	0.0923	-0.0044	0.0000	0.0008	
D	150.004	-0.0955	0.0000	0.0923	-0.0044	0.0000	0.0008	
D	150.004	-0.0986	0.0000	0.0926	-0.0045	0.0001	-0.0005	
D	131.678	-0.0953	0.0000	0.0926	-0.0045	0.0001	-0.0005	
D	131.678	-0.0976	0.0000	0.0928	-0.0045	0.0002	-0.0021	
D	130.012	-0.0976	0.0000	0.0928	-0.0045	0.0002	-0.0021	
D	130.012	-0.0990	0.0000	0.0929	-0.0046	0.0003	-0.0032	
D	121.682	-0.0975	0.0000	0.0929	-0.0046	0.0003	-0.0031	
D	121.682	-0.0970	0.0000	0.0926	-0.0046	0.0003	-0.0031	
D	120.000	-0.0970	0.0000	0.0926	-0.0046	0.0003	-0.0031	
D	120.000	-0.0823	0.0000	0.0604	-0.0046	0.0003	-0.0030	
D	0.000	-0.0570	0.0000	0.0604	-0.0046	0.0003	-0.0021	
C	300.000	-0.0467	0.0000	0.0109	0.0000	0.0000	0.0000	
C	287.000	-0.2125	0.0000	0.1285	0.1904	-0.0596	0.1093	
C	280.000	-1.2568	0.0000	0.9115	0.0000	0.0000	0.0000	
C	272.000	-0.3633	0.0000	0.2350	0.1619	0.0937	-0.1299	
C	236.000	-0.1479	0.0000	0.1065	-0.0285	0.1533	-0.1895	
C	151.000	-0.2248	0.0000	0.1065	-0.1185	-0.1013	0.2766	
C	140.000	-1.0310	0.0000	0.9115	0.0000	0.0000	0.0000	
C	131.000	-0.0566	0.0000	0.0441	-0.0567	-0.0675	0.0867	
C	287.000	-2.4348	0.5088	0.4420	1.0829	0.0000	-0.4415	296.
C	272.000	-2.6380	1.1160	0.5410	-0.6627	1.1479	-8.7489	105.
C	272.000	-1.8816	1.4606	0.4470	1.0951	0.0000	-3.4986	296.
C	236.000	-2.5374	1.0734	0.5410	-0.6627	1.1479	-8.4153	105.
C	151.000	-2.0862	-0.6099	0.3420	-0.4189	-0.7256	8.4773	241.

LOADS AT PANEL POINTS
=====================

LOAD	ELEV	.....FORCES (kip).....			...MOMENTS (ft.kips)...		
TYPE	ft	NORTH	EAST	DOWN	NORTH	EAST	TORSION
C	300.000	-0.1143	0.0000	0.0784	-0.0030	0.0000	0.0000
C	298.334	-0.1352	0.0000	0.1350	-0.0060	0.0000	0.0000
C	296.668	-0.1350	0.0000	0.1350	-0.0060	0.0000	0.0000
C	295.002	-0.1348	0.0000	0.1350	-0.0060	0.0000	0.0000
C	293.336	-0.1345	0.0000	0.1350	-0.0060	0.0000	0.0000
C	291.670	-0.1343	0.0000	0.1350	-0.0060	0.0000	0.0000
C	290.004	-0.1341	0.0000	0.1350	-0.0060	0.0000	0.0000
C	288.338	-0.6563	0.1001	0.2474	0.2446	-0.0118	-0.0649
C	286.672	-2.2683	0.4087	0.5938	1.0166	-0.0481	-0.2636
C	285.006	-0.1475	0.0000	0.1358	-0.0063	-0.0003	0.0054
C	283.340	-0.1472	0.0000	0.1358	-0.0063	-0.0003	0.0054
C	281.674	-0.1470	0.0000	0.1358	-0.0063	-0.0003	0.0054
C	280.008	-1.3973	0.0000	1.0428	-0.0063	-0.0003	0.0054
C	278.342	-0.1527	0.0000	0.1403	-0.0063	-0.0003	0.0053
C	276.676	-0.1462	0.0000	0.1358	-0.0063	-0.0003	0.0053
C	275.010	-0.1460	0.0000	0.1358	-0.0063	-0.0003	0.0053
C	273.344	-1.0906	0.4976	0.3722	0.1085	0.2394	-2.3851
C	271.678	-4.0969	2.0790	1.1237	0.4730	1.0014	-9.9817
C	270.012	-0.1646	0.0000	0.1375	-0.0068	-0.0003	0.0053
C	268.346	-0.1643	0.0000	0.1375	-0.0068	-0.0003	0.0053
C	266.680	-0.1640	0.0000	0.1375	-0.0068	-0.0003	0.0053
C	265.014	-0.1637	0.0000	0.1375	-0.0068	-0.0003	0.0053
C	263.348	-0.1634	0.0000	0.1375	-0.0068	-0.0003	0.0053
C	261.682	-0.1638	0.0000	0.1379	-0.0068	-0.0003	0.0053

C	260.000	-0.1335	0.0000	0.1005	-0.0060	-0.0003	0.0046
C	258.750	-0.1026	0.0000	0.0626	-0.0051	-0.0002	0.0040
C	257.500	-0.1024	0.0000	0.0626	-0.0051	-0.0002	0.0040
C	256.250	-0.1023	0.0000	0.0626	-0.0051	-0.0002	0.0040
C	255.000	-0.1021	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	253.750	-0.1020	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	252.500	-0.1019	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	251.250	-0.1017	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	250.000	-0.1016	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	248.750	-0.1014	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	247.500	-0.1013	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	246.250	-0.1011	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	245.000	-0.1010	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	243.750	-0.1008	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	242.500	-0.1007	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	241.250	-0.1005	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	240.000	-0.1004	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	238.750	-0.1002	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	237.500	-0.1001	0.0000	0.0626	-0.0051	-0.0002	0.0039
C	236.250	-2.2511	0.8587	0.5808	-0.5581	1.0407	-6.8799
C	235.000	-0.6432	0.2147	0.1927	-0.1435	0.2600	-1.7171
C	233.750	-0.1067	0.0000	0.0632	-0.0053	-0.0002	0.0039
C	232.500	-0.1065	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	231.250	-0.1063	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	230.000	-0.1062	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	228.750	-0.1060	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	227.500	-0.1058	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	226.250	-0.1057	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	225.000	-0.1055	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	223.750	-0.1053	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	222.500	-0.1052	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	221.250	-0.1050	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	220.000	-0.1048	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	218.750	-0.1047	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	217.500	-0.1045	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	216.250	-0.1043	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	215.000	-0.1042	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	213.750	-0.1040	0.0000	0.0632	-0.0053	-0.0002	0.0038
C	212.500	-0.1038	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	211.250	-0.1036	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	210.000	-0.1035	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	208.750	-0.1033	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	207.500	-0.1031	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	206.250	-0.1029	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	205.000	-0.1027	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	203.750	-0.1026	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	202.500	-0.1024	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	201.250	-0.1022	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	200.000	-0.1020	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	198.750	-0.1018	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	197.500	-0.1017	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	196.250	-0.1015	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	195.000	-0.1013	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	193.750	-0.1011	0.0000	0.0632	-0.0053	-0.0002	0.0037
C	192.500	-0.1009	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	191.250	-0.1007	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	190.000	-0.1005	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	188.750	-0.1003	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	187.500	-0.1002	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	186.250	-0.1000	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	185.000	-0.0998	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	183.750	-0.0996	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	182.500	-0.0994	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	181.250	-0.0992	0.0000	0.0632	-0.0053	-0.0002	0.0036

C	180.000	-0.0990	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	178.750	-0.0988	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	177.500	-0.0986	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	176.250	-0.0984	0.0000	0.0632	-0.0053	-0.0002	0.0036
C	175.000	-0.0982	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	173.750	-0.0980	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	172.500	-0.0978	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	171.250	-0.0976	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	170.000	-0.0974	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	168.750	-0.0972	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	167.500	-0.0970	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	166.250	-0.0968	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	165.000	-0.0966	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	163.750	-0.0964	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	162.500	-0.0961	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	161.250	-0.0959	0.0000	0.0632	-0.0053	-0.0002	0.0035
C	160.000	-0.1245	0.0000	0.1081	-0.0061	-0.0003	0.0040
C	158.334	-0.1529	0.0000	0.1529	-0.0070	-0.0003	0.0045
C	156.668	-0.1524	0.0000	0.1529	-0.0070	-0.0003	0.0045
C	155.002	-0.1520	0.0000	0.1529	-0.0070	-0.0003	0.0045
C	153.336	-0.1515	0.0000	0.1529	-0.0070	-0.0003	0.0045
C	151.670	-1.5368	-0.3646	0.4214	-0.3285	-0.4946	5.2363
C	150.004	-1.0911	-0.2453	0.3343	-0.2235	-0.3325	3.5207
C	148.338	-0.1640	0.0000	0.1542	-0.0075	0.0002	-0.0009
C	146.672	-0.1634	0.0000	0.1542	-0.0075	0.0002	-0.0009
C	145.006	-0.1629	0.0000	0.1542	-0.0075	0.0002	-0.0009
C	143.340	-0.1624	0.0000	0.1542	-0.0075	0.0002	-0.0009
C	141.674	-0.1618	0.0000	0.1542	-0.0075	0.0002	-0.0009
C	140.008	-1.1873	0.0000	1.0613	-0.0075	0.0002	-0.0009
C	138.342	-0.1657	0.0000	0.1586	-0.0075	0.0002	-0.0008
C	136.676	-0.1602	0.0000	0.1542	-0.0075	0.0002	-0.0008
C	135.010	-0.1596	0.0000	0.1542	-0.0075	0.0002	-0.0008
C	133.344	-0.1591	0.0000	0.1542	-0.0075	0.0002	-0.0008
C	131.678	-0.1942	0.0000	0.1805	-0.0411	-0.0398	0.0492
C	130.012	-0.1868	0.0000	0.1726	-0.0307	-0.0270	0.0309
C	128.346	-0.1647	0.0000	0.1548	-0.0076	0.0005	-0.0053
C	126.680	-0.1641	0.0000	0.1548	-0.0076	0.0005	-0.0053
C	125.014	-0.1634	0.0000	0.1548	-0.0076	0.0005	-0.0052
C	123.348	-0.1628	0.0000	0.1548	-0.0076	0.0005	-0.0052
C	121.682	-0.1629	0.0000	0.1553	-0.0077	0.0005	-0.0052
C	120.000	-0.1346	0.0000	0.1156	-0.0067	0.0005	-0.0046
C	118.750	-0.1059	0.0000	0.0755	-0.0057	0.0004	-0.0039
C	117.500	-0.1056	0.0000	0.0755	-0.0057	0.0004	-0.0039
C	116.250	-0.1053	0.0000	0.0755	-0.0057	0.0004	-0.0039
C	115.000	-0.1049	0.0000	0.0755	-0.0057	0.0004	-0.0039
C	113.750	-0.1046	0.0000	0.0755	-0.0057	0.0004	-0.0039
C	112.500	-0.1043	0.0000	0.0755	-0.0057	0.0004	-0.0039
C	111.250	-0.1039	0.0000	0.0755	-0.0057	0.0004	-0.0038
C	110.000	-0.1036	0.0000	0.0755	-0.0057	0.0004	-0.0038
C	108.750	-0.1033	0.0000	0.0755	-0.0057	0.0004	-0.0038
C	107.500	-0.1029	0.0000	0.0755	-0.0057	0.0004	-0.0038
C	106.250	-0.1026	0.0000	0.0755	-0.0057	0.0004	-0.0038
C	105.000	-0.1022	0.0000	0.0755	-0.0057	0.0004	-0.0038
C	103.750	-0.1019	0.0000	0.0755	-0.0057	0.0004	-0.0038
C	102.500	-0.1015	0.0000	0.0755	-0.0057	0.0004	-0.0038
C	101.250	-0.1012	0.0000	0.0755	-0.0057	0.0004	-0.0037
C	100.000	-0.1008	0.0000	0.0755	-0.0057	0.0004	-0.0037
C	98.750	-0.1005	0.0000	0.0755	-0.0057	0.0004	-0.0037
C	97.500	-0.1001	0.0000	0.0755	-0.0057	0.0004	-0.0037
C	96.250	-0.0997	0.0000	0.0755	-0.0057	0.0004	-0.0037
C	95.000	-0.0994	0.0000	0.0755	-0.0057	0.0004	-0.0037
C	93.750	-0.0990	0.0000	0.0755	-0.0057	0.0004	-0.0037
C	92.500	-0.0986	0.0000	0.0755	-0.0057	0.0004	-0.0036
C	91.250	-0.0982	0.0000	0.0755	-0.0057	0.0004	-0.0036

C	90.000	-0.0978	0.0000	0.0755	-0.0057	0.0004	-0.0036
C	88.750	-0.0974	0.0000	0.0755	-0.0057	0.0004	-0.0036
C	87.500	-0.0970	0.0000	0.0755	-0.0057	0.0004	-0.0036
C	86.250	-0.0966	0.0000	0.0755	-0.0057	0.0004	-0.0036
C	85.000	-0.0962	0.0000	0.0755	-0.0057	0.0004	-0.0036
C	83.750	-0.0958	0.0000	0.0755	-0.0057	0.0004	-0.0035
C	82.500	-0.0954	0.0000	0.0755	-0.0057	0.0004	-0.0035
C	81.250	-0.0950	0.0000	0.0755	-0.0057	0.0004	-0.0035
C	80.000	-0.0946	0.0000	0.0755	-0.0057	0.0004	-0.0035
C	78.750	-0.0942	0.0000	0.0755	-0.0057	0.0004	-0.0035
C	77.500	-0.0937	0.0000	0.0755	-0.0057	0.0004	-0.0035
C	76.250	-0.0933	0.0000	0.0755	-0.0057	0.0004	-0.0034
C	75.000	-0.0929	0.0000	0.0755	-0.0057	0.0004	-0.0034
C	73.750	-0.0924	0.0000	0.0755	-0.0057	0.0004	-0.0034
C	72.500	-0.0920	0.0000	0.0755	-0.0057	0.0004	-0.0034
C	71.250	-0.0915	0.0000	0.0755	-0.0057	0.0004	-0.0034
C	70.000	-0.0911	0.0000	0.0755	-0.0057	0.0004	-0.0034
C	68.750	-0.0906	0.0000	0.0755	-0.0057	0.0004	-0.0033
C	67.500	-0.0901	0.0000	0.0755	-0.0057	0.0004	-0.0033
C	66.250	-0.0896	0.0000	0.0755	-0.0057	0.0004	-0.0033
C	65.000	-0.0891	0.0000	0.0755	-0.0057	0.0004	-0.0033
C	63.750	-0.0887	0.0000	0.0755	-0.0057	0.0004	-0.0033
C	62.500	-0.0882	0.0000	0.0755	-0.0057	0.0004	-0.0033
C	61.250	-0.0876	0.0000	0.0755	-0.0057	0.0004	-0.0032
C	60.000	-0.0871	0.0000	0.0755	-0.0057	0.0004	-0.0032
C	58.750	-0.0866	0.0000	0.0755	-0.0057	0.0004	-0.0032
C	57.500	-0.0861	0.0000	0.0755	-0.0057	0.0004	-0.0032
C	56.250	-0.0855	0.0000	0.0755	-0.0057	0.0004	-0.0032
C	55.000	-0.0850	0.0000	0.0755	-0.0057	0.0004	-0.0031
C	53.750	-0.0844	0.0000	0.0755	-0.0057	0.0004	-0.0031
C	52.500	-0.0839	0.0000	0.0755	-0.0057	0.0004	-0.0031
C	51.250	-0.0833	0.0000	0.0755	-0.0057	0.0004	-0.0031
C	50.000	-0.0827	0.0000	0.0755	-0.0057	0.0004	-0.0031
C	48.750	-0.0821	0.0000	0.0755	-0.0057	0.0004	-0.0030
C	47.500	-0.0815	0.0000	0.0755	-0.0057	0.0004	-0.0030
C	46.250	-0.0809	0.0000	0.0755	-0.0057	0.0004	-0.0030
C	45.000	-0.0803	0.0000	0.0755	-0.0057	0.0004	-0.0030
C	43.750	-0.0796	0.0000	0.0755	-0.0057	0.0004	-0.0029
C	42.500	-0.0790	0.0000	0.0755	-0.0057	0.0004	-0.0029
C	41.250	-0.0783	0.0000	0.0755	-0.0057	0.0004	-0.0029
C	40.000	-0.0776	0.0000	0.0755	-0.0057	0.0004	-0.0029
C	38.750	-0.0769	0.0000	0.0755	-0.0057	0.0004	-0.0028
C	37.500	-0.0762	0.0000	0.0755	-0.0057	0.0004	-0.0028
C	36.250	-0.0754	0.0000	0.0755	-0.0057	0.0004	-0.0028
C	35.000	-0.0747	0.0000	0.0755	-0.0057	0.0004	-0.0028
C	33.750	-0.0739	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	32.500	-0.0735	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	31.250	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	30.000	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	28.750	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	27.500	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	26.250	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	25.000	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	23.750	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	22.500	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	21.250	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	20.000	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	18.750	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	17.500	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	16.250	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	15.000	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	13.750	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	12.500	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	11.250	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027

C	10.000	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	8.750	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	7.500	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	6.250	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	5.000	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	3.750	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	2.500	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	1.250	-0.0734	0.0000	0.0755	-0.0057	0.0004	-0.0027
C	0.000	-0.0367	0.0000	0.0378	-0.0029	0.0002	-0.0014

PANEL LOADING
==========

LOAD	ELEV	APPLY..LOAD..AT		LOAD	.....FORCES.....		.....MOMENTS.....	
TYPE		RADIUS	AZI	AZI	HORIZ	DOWN	VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
C	299.167	0.00	0.0	0.0	0.1353	0.1350	0.0060	0.0000
C	297.501	0.00	0.0	0.0	0.1351	0.1350	0.0060	0.0000
C	295.835	0.00	0.0	0.0	0.1349	0.1350	0.0060	0.0000
C	294.169	0.00	0.0	0.0	0.1346	0.1350	0.0060	0.0000
C	292.503	0.00	0.0	0.0	0.1344	0.1350	0.0060	0.0000
C	290.837	0.00	0.0	0.0	0.1342	0.1350	0.0060	0.0000
C	289.171	0.00	0.0	0.0	0.1340	0.1350	0.0060	0.0000
C	287.505	0.00	0.0	0.0	0.1365	0.1352	0.0060	0.0011
C	285.839	0.00	0.0	0.0	0.1476	0.1358	0.0063	0.0054
C	284.173	0.00	0.0	0.0	0.1474	0.1358	0.0063	0.0054
C	282.507	0.00	0.0	0.0	0.1471	0.1358	0.0063	0.0054
C	280.841	0.00	0.0	0.0	0.1469	0.1358	0.0063	0.0054
C	279.175	0.00	0.0	0.0	0.1466	0.1358	0.0063	0.0053
C	277.509	0.00	0.0	0.0	0.1464	0.1358	0.0063	0.0053
C	275.843	0.00	0.0	0.0	0.1461	0.1358	0.0063	0.0053
C	274.177	0.00	0.0	0.0	0.1459	0.1358	0.0063	0.0053
C	272.511	0.00	0.0	0.0	0.1493	0.1362	0.0064	0.0053
C	270.845	0.00	0.0	0.0	0.1647	0.1375	0.0068	0.0053
C	269.179	0.00	0.0	0.0	0.1644	0.1375	0.0068	0.0053
C	267.513	0.00	0.0	0.0	0.1641	0.1375	0.0068	0.0053
C	265.847	0.00	0.0	0.0	0.1638	0.1375	0.0068	0.0053
C	264.181	0.00	0.0	0.0	0.1635	0.1375	0.0068	0.0053
C	262.515	0.00	0.0	0.0	0.1632	0.1375	0.0068	0.0053
C	260.841	0.00	0.0	0.0	0.1643	0.1383	0.0068	0.0053
C	259.375	0.00	0.0	0.0	0.1026	0.0626	0.0051	0.0040
C	258.125	0.00	0.0	0.0	0.1025	0.0626	0.0051	0.0040
C	256.875	0.00	0.0	0.0	0.1024	0.0626	0.0051	0.0040
C	255.625	0.00	0.0	0.0	0.1022	0.0626	0.0051	0.0040
C	254.375	0.00	0.0	0.0	0.1021	0.0626	0.0051	0.0039
C	253.125	0.00	0.0	0.0	0.1019	0.0626	0.0051	0.0039
C	251.875	0.00	0.0	0.0	0.1018	0.0626	0.0051	0.0039
C	250.625	0.00	0.0	0.0	0.1016	0.0626	0.0051	0.0039
C	249.375	0.00	0.0	0.0	0.1015	0.0626	0.0051	0.0039
C	248.125	0.00	0.0	0.0	0.1014	0.0626	0.0051	0.0039
C	246.875	0.00	0.0	0.0	0.1012	0.0626	0.0051	0.0039
C	245.625	0.00	0.0	0.0	0.1011	0.0626	0.0051	0.0039
C	244.375	0.00	0.0	0.0	0.1009	0.0626	0.0051	0.0039
C	243.125	0.00	0.0	0.0	0.1008	0.0626	0.0051	0.0039
C	241.875	0.00	0.0	0.0	0.1006	0.0626	0.0051	0.0039
C	240.625	0.00	0.0	0.0	0.1005	0.0626	0.0051	0.0039
C	239.375	0.00	0.0	0.0	0.1003	0.0626	0.0051	0.0039
C	238.125	0.00	0.0	0.0	0.1002	0.0626	0.0051	0.0039
C	236.875	0.00	0.0	0.0	0.1000	0.0626	0.0051	0.0039
C	235.625	0.00	0.0	0.0	0.1055	0.0631	0.0052	0.0039
C	234.375	0.00	0.0	0.0	0.1068	0.0632	0.0053	0.0039
C	233.125	0.00	0.0	0.0	0.1066	0.0632	0.0053	0.0038
C	231.875	0.00	0.0	0.0	0.1064	0.0632	0.0053	0.0038

C	230.625	0.00	0.0	0.0	0.1063	0.0632	0.0053	0.0038
C	229.375	0.00	0.0	0.0	0.1061	0.0632	0.0053	0.0038
C	228.125	0.00	0.0	0.0	0.1059	0.0632	0.0053	0.0038
C	226.875	0.00	0.0	0.0	0.1058	0.0632	0.0053	0.0038
C	225.625	0.00	0.0	0.0	0.1056	0.0632	0.0053	0.0038
C	224.375	0.00	0.0	0.0	0.1054	0.0632	0.0053	0.0038
C	223.125	0.00	0.0	0.0	0.1053	0.0632	0.0053	0.0038
C	221.875	0.00	0.0	0.0	0.1051	0.0632	0.0053	0.0038
C	220.625	0.00	0.0	0.0	0.1049	0.0632	0.0053	0.0038
C	219.375	0.00	0.0	0.0	0.1048	0.0632	0.0053	0.0038
C	218.125	0.00	0.0	0.0	0.1046	0.0632	0.0053	0.0038
C	216.875	0.00	0.0	0.0	0.1044	0.0632	0.0053	0.0038
C	215.625	0.00	0.0	0.0	0.1042	0.0632	0.0053	0.0038
C	214.375	0.00	0.0	0.0	0.1041	0.0632	0.0053	0.0038
C	213.125	0.00	0.0	0.0	0.1039	0.0632	0.0053	0.0038
C	211.875	0.00	0.0	0.0	0.1037	0.0632	0.0053	0.0037
C	210.625	0.00	0.0	0.0	0.1035	0.0632	0.0053	0.0037
C	209.375	0.00	0.0	0.0	0.1034	0.0632	0.0053	0.0037
C	208.125	0.00	0.0	0.0	0.1032	0.0632	0.0053	0.0037
C	206.875	0.00	0.0	0.0	0.1030	0.0632	0.0053	0.0037
C	205.625	0.00	0.0	0.0	0.1028	0.0632	0.0053	0.0037
C	204.375	0.00	0.0	0.0	0.1027	0.0632	0.0053	0.0037
C	203.125	0.00	0.0	0.0	0.1025	0.0632	0.0053	0.0037
C	201.875	0.00	0.0	0.0	0.1023	0.0632	0.0053	0.0037
C	200.625	0.00	0.0	0.0	0.1021	0.0632	0.0053	0.0037
C	199.375	0.00	0.0	0.0	0.1019	0.0632	0.0053	0.0037
C	198.125	0.00	0.0	0.0	0.1017	0.0632	0.0053	0.0037
C	196.875	0.00	0.0	0.0	0.1016	0.0632	0.0053	0.0037
C	195.625	0.00	0.0	0.0	0.1014	0.0632	0.0053	0.0037
C	194.375	0.00	0.0	0.0	0.1012	0.0632	0.0053	0.0037
C	193.125	0.00	0.0	0.0	0.1010	0.0632	0.0053	0.0036
C	191.875	0.00	0.0	0.0	0.1008	0.0632	0.0053	0.0036
C	190.625	0.00	0.0	0.0	0.1006	0.0632	0.0053	0.0036
C	189.375	0.00	0.0	0.0	0.1004	0.0632	0.0053	0.0036
C	188.125	0.00	0.0	0.0	0.1003	0.0632	0.0053	0.0036
C	186.875	0.00	0.0	0.0	0.1001	0.0632	0.0053	0.0036
C	185.625	0.00	0.0	0.0	0.0999	0.0632	0.0053	0.0036
C	184.375	0.00	0.0	0.0	0.0997	0.0632	0.0053	0.0036
C	183.125	0.00	0.0	0.0	0.0995	0.0632	0.0053	0.0036
C	181.875	0.00	0.0	0.0	0.0993	0.0632	0.0053	0.0036
C	180.625	0.00	0.0	0.0	0.0991	0.0632	0.0053	0.0036
C	179.375	0.00	0.0	0.0	0.0989	0.0632	0.0053	0.0036
C	178.125	0.00	0.0	0.0	0.0987	0.0632	0.0053	0.0036
C	176.875	0.00	0.0	0.0	0.0985	0.0632	0.0053	0.0036
C	175.625	0.00	0.0	0.0	0.0983	0.0632	0.0053	0.0035
C	174.375	0.00	0.0	0.0	0.0981	0.0632	0.0053	0.0035
C	173.125	0.00	0.0	0.0	0.0979	0.0632	0.0053	0.0035
C	171.875	0.00	0.0	0.0	0.0977	0.0632	0.0053	0.0035
C	170.625	0.00	0.0	0.0	0.0975	0.0632	0.0053	0.0035
C	169.375	0.00	0.0	0.0	0.0973	0.0632	0.0053	0.0035
C	168.125	0.00	0.0	0.0	0.0971	0.0632	0.0053	0.0035
C	166.875	0.00	0.0	0.0	0.0969	0.0632	0.0053	0.0035
C	165.625	0.00	0.0	0.0	0.0967	0.0632	0.0053	0.0035
C	164.375	0.00	0.0	0.0	0.0965	0.0632	0.0053	0.0035
C	163.125	0.00	0.0	0.0	0.0962	0.0632	0.0053	0.0035
C	161.875	0.00	0.0	0.0	0.0960	0.0632	0.0053	0.0035
C	160.625	0.00	0.0	0.0	0.0958	0.0632	0.0053	0.0035
C	159.167	0.00	0.0	0.0	0.1531	0.1529	0.0070	0.0046
C	157.501	0.00	0.0	0.0	0.1527	0.1529	0.0070	0.0045
C	155.835	0.00	0.0	0.0	0.1522	0.1529	0.0070	0.0045
C	154.169	0.00	0.0	0.0	0.1517	0.1529	0.0070	0.0045
C	152.503	0.00	0.0	0.0	0.1513	0.1529	0.0070	0.0045
C	150.837	0.00	0.0	0.0	0.1591	0.1537	0.0073	0.0013
C	149.171	0.00	0.0	0.0	0.1642	0.1542	0.0075	-0.0009

C	147.505	0.00	0.0	0.0	0.1637	0.1542	0.0075	-0.0009
C	145.839	0.00	0.0	0.0	0.1632	0.1542	0.0075	-0.0009
C	144.173	0.00	0.0	0.0	0.1626	0.1542	0.0075	-0.0009
C	142.507	0.00	0.0	0.0	0.1621	0.1542	0.0075	-0.0009
C	140.841	0.00	0.0	0.0	0.1616	0.1542	0.0075	-0.0009
C	139.175	0.00	0.0	0.0	0.1610	0.1542	0.0075	-0.0008
C	137.509	0.00	0.0	0.0	0.1605	0.1542	0.0075	-0.0008
C	135.843	0.00	0.0	0.0	0.1599	0.1542	0.0075	-0.0008
C	134.177	0.00	0.0	0.0	0.1593	0.1542	0.0075	-0.0008
C	132.511	0.00	0.0	0.0	0.1588	0.1542	0.0075	-0.0008
C	130.845	0.00	0.0	0.0	0.1626	0.1546	0.0076	-0.0035
C	129.179	0.00	0.0	0.0	0.1650	0.1548	0.0077	-0.0053
C	127.513	0.00	0.0	0.0	0.1644	0.1548	0.0077	-0.0053
C	125.847	0.00	0.0	0.0	0.1638	0.1548	0.0077	-0.0053
C	124.181	0.00	0.0	0.0	0.1631	0.1548	0.0077	-0.0052
C	122.515	0.00	0.0	0.0	0.1625	0.1548	0.0077	-0.0052
C	120.841	0.00	0.0	0.0	0.1632	0.1557	0.0077	-0.0052
C	119.375	0.00	0.0	0.0	0.1061	0.0755	0.0058	-0.0039
C	118.125	0.00	0.0	0.0	0.1057	0.0755	0.0058	-0.0039
C	116.875	0.00	0.0	0.0	0.1054	0.0755	0.0058	-0.0039
C	115.625	0.00	0.0	0.0	0.1051	0.0755	0.0058	-0.0039
C	114.375	0.00	0.0	0.0	0.1048	0.0755	0.0058	-0.0039
C	113.125	0.00	0.0	0.0	0.1044	0.0755	0.0058	-0.0039
C	111.875	0.00	0.0	0.0	0.1041	0.0755	0.0058	-0.0038
C	110.625	0.00	0.0	0.0	0.1038	0.0755	0.0058	-0.0038
C	109.375	0.00	0.0	0.0	0.1034	0.0755	0.0058	-0.0038
C	108.125	0.00	0.0	0.0	0.1031	0.0755	0.0058	-0.0038
C	106.875	0.00	0.0	0.0	0.1028	0.0755	0.0058	-0.0038
C	105.625	0.00	0.0	0.0	0.1024	0.0755	0.0058	-0.0038
C	104.375	0.00	0.0	0.0	0.1021	0.0755	0.0058	-0.0038
C	103.125	0.00	0.0	0.0	0.1017	0.0755	0.0058	-0.0038
C	101.875	0.00	0.0	0.0	0.1014	0.0755	0.0058	-0.0037
C	100.625	0.00	0.0	0.0	0.1010	0.0755	0.0058	-0.0037
C	99.375	0.00	0.0	0.0	0.1006	0.0755	0.0058	-0.0037
C	98.125	0.00	0.0	0.0	0.1003	0.0755	0.0058	-0.0037
C	96.875	0.00	0.0	0.0	0.0999	0.0755	0.0058	-0.0037
C	95.625	0.00	0.0	0.0	0.0995	0.0755	0.0058	-0.0037
C	94.375	0.00	0.0	0.0	0.0992	0.0755	0.0058	-0.0037
C	93.125	0.00	0.0	0.0	0.0988	0.0755	0.0058	-0.0037
C	91.875	0.00	0.0	0.0	0.0984	0.0755	0.0058	-0.0036
C	90.625	0.00	0.0	0.0	0.0980	0.0755	0.0058	-0.0036
C	89.375	0.00	0.0	0.0	0.0976	0.0755	0.0058	-0.0036
C	88.125	0.00	0.0	0.0	0.0972	0.0755	0.0058	-0.0036
C	86.875	0.00	0.0	0.0	0.0968	0.0755	0.0058	-0.0036
C	85.625	0.00	0.0	0.0	0.0964	0.0755	0.0058	-0.0036
C	84.375	0.00	0.0	0.0	0.0960	0.0755	0.0058	-0.0036
C	83.125	0.00	0.0	0.0	0.0956	0.0755	0.0058	-0.0035
C	81.875	0.00	0.0	0.0	0.0952	0.0755	0.0058	-0.0035
C	80.625	0.00	0.0	0.0	0.0948	0.0755	0.0058	-0.0035
C	79.375	0.00	0.0	0.0	0.0944	0.0755	0.0058	-0.0035
C	78.125	0.00	0.0	0.0	0.0940	0.0755	0.0058	-0.0035
C	76.875	0.00	0.0	0.0	0.0935	0.0755	0.0058	-0.0035
C	75.625	0.00	0.0	0.0	0.0931	0.0755	0.0058	-0.0034
C	74.375	0.00	0.0	0.0	0.0926	0.0755	0.0058	-0.0034
C	73.125	0.00	0.0	0.0	0.0922	0.0755	0.0058	-0.0034
C	71.875	0.00	0.0	0.0	0.0917	0.0755	0.0058	-0.0034
C	70.625	0.00	0.0	0.0	0.0913	0.0755	0.0058	-0.0034
C	69.375	0.00	0.0	0.0	0.0908	0.0755	0.0058	-0.0034
C	68.125	0.00	0.0	0.0	0.0904	0.0755	0.0058	-0.0033
C	66.875	0.00	0.0	0.0	0.0899	0.0755	0.0058	-0.0033
C	65.625	0.00	0.0	0.0	0.0894	0.0755	0.0058	-0.0033
C	64.375	0.00	0.0	0.0	0.0889	0.0755	0.0058	-0.0033
C	63.125	0.00	0.0	0.0	0.0884	0.0755	0.0058	-0.0033
C	61.875	0.00	0.0	0.0	0.0879	0.0755	0.0058	-0.0032

C	60.625	0.00	0.0	0.0	0.0874	0.0755	0.0058	-0.0032
C	59.375	0.00	0.0	0.0	0.0869	0.0755	0.0058	-0.0032
C	58.125	0.00	0.0	0.0	0.0863	0.0755	0.0058	-0.0032
C	56.875	0.00	0.0	0.0	0.0858	0.0755	0.0058	-0.0032
C	55.625	0.00	0.0	0.0	0.0853	0.0755	0.0058	-0.0032
C	54.375	0.00	0.0	0.0	0.0847	0.0755	0.0058	-0.0031
C	53.125	0.00	0.0	0.0	0.0842	0.0755	0.0058	-0.0031
C	51.875	0.00	0.0	0.0	0.0836	0.0755	0.0058	-0.0031
C	50.625	0.00	0.0	0.0	0.0830	0.0755	0.0058	-0.0031
C	49.375	0.00	0.0	0.0	0.0824	0.0755	0.0058	-0.0030
C	48.125	0.00	0.0	0.0	0.0818	0.0755	0.0058	-0.0030
C	46.875	0.00	0.0	0.0	0.0812	0.0755	0.0058	-0.0030
C	45.625	0.00	0.0	0.0	0.0806	0.0755	0.0058	-0.0030
C	44.375	0.00	0.0	0.0	0.0799	0.0755	0.0058	-0.0030
C	43.125	0.00	0.0	0.0	0.0793	0.0755	0.0058	-0.0029
C	41.875	0.00	0.0	0.0	0.0786	0.0755	0.0058	-0.0029
C	40.625	0.00	0.0	0.0	0.0779	0.0755	0.0058	-0.0029
C	39.375	0.00	0.0	0.0	0.0773	0.0755	0.0058	-0.0029
C	38.125	0.00	0.0	0.0	0.0765	0.0755	0.0058	-0.0028
C	36.875	0.00	0.0	0.0	0.0758	0.0755	0.0058	-0.0028
C	35.625	0.00	0.0	0.0	0.0751	0.0755	0.0058	-0.0028
C	34.375	0.00	0.0	0.0	0.0743	0.0755	0.0058	-0.0027
C	33.125	0.00	0.0	0.0	0.0735	0.0755	0.0058	-0.0027
C	31.875	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	30.625	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	29.375	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	28.125	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	26.875	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	25.625	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	24.375	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	23.125	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	21.875	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	20.625	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	19.375	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	18.125	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	16.875	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	15.625	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	14.375	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	13.125	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	11.875	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	10.625	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	9.375	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	8.125	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	6.875	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	5.625	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	4.375	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	3.125	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	1.875	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027
C	0.625	0.00	0.0	0.0	0.0734	0.0755	0.0058	-0.0027

LOADS DUE TO LADDER
==========

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	......FORCES..... HORIZ	DOWN	......MOMENTS..... VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
D	300.000	0.00	0.0	0.0	0.0265	0.0053	0.0036	0.0000
D	261.682	0.00	0.0	0.0	0.0255	0.0053	0.0036	0.0000
D	261.682	0.00	0.0	0.0	0.0257	0.0053	0.0036	0.0000
D	160.000	0.00	0.0	0.0	0.0226	0.0053	0.0036	0.0000
D	160.000	0.00	0.0	0.0	0.0221	0.0053	0.0036	0.0000

D	120.000	0.00	0.0	0.0	0.0204	0.0053	0.0036	0.0000
D	120.000	0.00	0.0	0.0	0.0199	0.0053	0.0036	0.0000
D	0.000	0.00	0.0	0.0	0.0138	0.0053	0.0036	0.0000

LOADS DUE TO TRANSMISSION LINES

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	.....FORCES..... HORIZ	DOWN	.....MOMENTS..... VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
D	300.000	0.00	0.0	180.0	0.0000	0.0000	0.0000	0.0000
D	288.338	0.00	0.0	180.0	0.0000	0.0000	0.0000	0.0000
D	288.338	0.00	0.0	0.0	0.0017	0.0001	0.0001	0.0006
D	286.672	0.00	0.0	0.0	0.0017	0.0001	0.0001	0.0006
D	286.672	0.00	0.0	0.0	0.0084	0.0005	0.0003	0.0032
D	273.344	0.00	0.0	0.0	0.0083	0.0005	0.0003	0.0032
D	273.344	0.00	0.0	0.0	0.0106	0.0007	0.0003	0.0032
D	271.678	0.00	0.0	0.0	0.0106	0.0007	0.0003	0.0032
D	271.678	0.00	0.0	0.0	0.0199	0.0015	0.0005	0.0032
D	261.682	0.00	0.0	0.0	0.0198	0.0015	0.0005	0.0032
D	261.682	0.00	0.0	0.0	0.0198	0.0015	0.0005	0.0032
D	236.250	0.00	0.0	0.0	0.0195	0.0015	0.0005	0.0031
D	236.250	0.00	0.0	0.0	0.0238	0.0019	0.0006	0.0031
D	235.000	0.00	0.0	0.0	0.0238	0.0019	0.0006	0.0031
D	235.000	0.00	0.0	0.0	0.0250	0.0020	0.0007	0.0031
D	160.000	0.00	0.0	0.0	0.0224	0.0020	0.0007	0.0028
D	160.000	0.00	0.0	0.0	0.0221	0.0020	0.0007	0.0027
D	151.670	0.00	0.0	0.0	0.0218	0.0020	0.0007	0.0027
D	151.670	0.00	0.0	0.0	0.0268	0.0025	0.0008	0.0008
D	150.004	0.00	0.0	0.0	0.0268	0.0025	0.0008	0.0008
D	150.004	0.00	0.0	0.0	0.0301	0.0029	0.0009	-0.0005
D	131.678	0.00	0.0	0.0	0.0291	0.0029	0.0009	-0.0005
D	131.678	0.00	0.0	0.0	0.0316	0.0031	0.0010	-0.0021
D	130.012	0.00	0.0	0.0	0.0316	0.0031	0.0010	-0.0021
D	130.012	0.00	0.0	0.0	0.0333	0.0032	0.0011	-0.0032
D	121.682	0.00	0.0	0.0	0.0328	0.0032	0.0011	-0.0031
D	121.682	0.00	0.0	0.0	0.0319	0.0032	0.0011	-0.0030
D	0.000	0.00	0.0	0.0	0.0222	0.0032	0.0011	-0.0021

LOADS DUE TO OTHER MOUNTINGS

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	.....FORCES..... HORIZ	DOWN	.....MOMENTS..... VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
C	300.000	0.00	0.0	0.0	0.0467	0.0109	0.0000	0.0000

C	287.000	1.55	342.6	0.0	0.2125	0.1285	0.0000	0.0107
C	280.000	0.00	300.6	0.0	1.2568	0.9115	0.0000	0.0000
C	272.000	0.80	30.0	0.0	0.3633	0.2350	0.0000	0.0149
C	236.000	1.46	100.5	0.0	0.1479	0.1065	0.0000	0.0235
C	151.000	1.46	220.5	0.0	0.2248	0.1065	0.0000	0.0627
C	140.000	0.00	300.6	0.0	1.0310	0.9115	0.0000	0.0000
C	131.000	2.00	230.0	0.0	0.0566	0.0441	0.0000	0.0000

LOADS DUE TO MICROWAVE PARABOLIC ANTENNAS

	ANTENNA			ATTACHMENT		ANTENNA FORCES			
TYPE	SIZE ft	ELEV ft	AZIM deg	RADIUS ft	AZIM deg	AXIAL kip	SHEAR kip	GRAVITY kip	TORSION ft-kip
STD+R	10.0	287.000	296.	2.45	0.	1.52	1.97	0.44	0.81
HP	10.0	272.000	105.	2.45	120.	-1.76	-2.26	0.54	-4.52
HP	8.0	272.000	296.	2.45	0.	2.14	1.05	0.45	0.08
HP	10.0	236.000	105.	2.45	120.	-1.69	-2.17	0.54	-4.35
STD	10.0	151.000	241.	2.45	240.	-1.54	1.53	0.34	4.80

INDIVIDUAL ELEMENT LOADS

TYPE NO	MATERIAL TYPE	BARE LOADS GRAVITY plf	BARE LOADS WIND AREA ft.sq/ft	CURRENT LOADING GRAVITY plf	CURRENT LOADING WIND AREA ft.sq/ft
1	sr	13.806	0.188	13.806	0.225
2	sr	10.908	0.167	10.908	0.200
3	sr	1.534	0.063	1.534	0.075
4	sr	2.727	0.083	2.727	0.100
5	sr	0.682	0.042	0.682	0.050
6	sch40	1.953	0.240	1.953	0.287
7	c	4.998	0.167	4.998	0.333
8	sch40	10.934	1.063	10.934	1.275
9	l	6.727	0.333	6.727	0.667
10	sch40	11.021	0.375	11.021	0.450
11	sch40	7.752	0.552	7.752	0.663
12	l	10.851	0.292	10.851	0.583
13	RHSS	5.510	0.240	5.510	0.287
14	sch40	1.953	0.240	1.953	0.287
15	sch40	0.916	0.158	0.916	0.190
	ewp63	0.510	0.168	0.510	0.166
	ewp63	1.020	0.193	1.020	0.232
	ewp63	0.510	0.168	0.510	0.116
	fh1.625	0.820	0.165	0.820	0.198
	fh0.875	0.330	0.091	0.330	0.109

LOADING CONDITION B

Bare tower 100 mph wind at azimuth 90 deg

WIND LOADING

WIND LOADING AZI	SPEED	REF.VEL. PRESS.	ICE LOADING RADIUS	DENSITY	TYPE OF EXP	STD	FACTORS ANT LOAD	WIND LOAD	DEAD LOAD	ICE LOAD

deg	mph	psf	in	pcf	*	&	#			
90.0	100.00	0.00	0.00	56.20	1	1	1	1.00	1.00	1.00

* Type of Exposure : 1 - Wind profile (Kz) based on EIA 222 F (June 1996)
2 - Wind profile Kz = 1 ; Gh = 1
3 - Wind profile (Kz) based on EIA 222 C (Mar.1976)
4 - Wind factors supplied by user (Gh=1, step function)
5 - Wind profile UBC (May.1988) Exposure C
6 - Wind profile UBC (May.1988) Exposure B
7 - Wind profile Site Specific Wind Formula

& Type of Standard : 1 - EIA - 222 F (June 1996)
2 - EIA - 222 C (March 1976)
3 - UBC - 88 (May 1 1988)

Type of Antenna load :
1 - Antenna forces for this wind direction
2 - Maximum possible forces regardless of wind direction

SUPPRESS PRINTING
==========

....LOAD SUMMARY FOR....			.....LOAD COMPONENTS.....				
MAST	GUYMAST	PANEL POINTS	PANELS	LADDERS	TX-LINES	DISCRETE APPURTENANCES	INDIVIDUAL ELEMENTS
yes	no	yes	yes	no	no	no	no

GUYMAST LOADING
==========

LOAD TYPE	ELEV ft	.....FORCES (kip)..... NORTH	EAST	DOWN	...MOMENTS (ft.kips)... NORTH	EAST	TORSION	ANTENNA AZIMUTH
D	300.000	0.0000	-0.0696	0.0810	-0.0036	0.0000	-0.0093	
D	288.338	0.0000	-0.0689	0.0810	-0.0036	0.0000	-0.0092	
D	288.338	0.0000	-0.0703	0.0811	-0.0036	0.0000	-0.0096	
D	286.672	0.0000	-0.0703	0.0811	-0.0036	0.0000	-0.0096	
D	286.672	0.0000	-0.0764	0.0815	-0.0038	-0.0002	-0.0116	
D	273.344	0.0000	-0.0755	0.0815	-0.0038	-0.0002	-0.0115	
D	273.344	0.0000	-0.0773	0.0817	-0.0038	-0.0002	-0.0120	
D	271.678	0.0000	-0.0773	0.0817	-0.0038	-0.0002	-0.0120	
D	271.678	0.0000	-0.0853	0.0826	-0.0041	-0.0002	-0.0145	
D	261.682	0.0000	-0.0845	0.0826	-0.0041	-0.0002	-0.0143	
D	261.682	0.0000	-0.0842	0.0822	-0.0041	-0.0002	-0.0143	
D	260.000	0.0000	-0.0842	0.0822	-0.0041	-0.0002	-0.0143	
D	260.000	0.0000	-0.0686	0.0501	-0.0041	-0.0002	-0.0144	
D	236.250	0.0000	-0.0668	0.0501	-0.0041	-0.0002	-0.0140	
D	236.250	0.0000	-0.0745	0.0505	-0.0042	-0.0002	-0.0164	
D	235.000	0.0000	-0.0745	0.0505	-0.0042	-0.0002	-0.0164	
D	235.000	0.0000	-0.0765	0.0506	-0.0042	-0.0002	-0.0170	
D	160.000	0.0000	-0.0687	0.0506	-0.0042	-0.0002	-0.0152	

D	160.000	0.0000	-0.0839	0.0918	-0.0042	-0.0002	-0.0150	
D	151.670	0.0000	-0.0829	0.0918	-0.0042	-0.0002	-0.0148	
D	151.670	0.0000	-0.0876	0.0923	-0.0044	0.0000	-0.0164	
D	150.004	0.0000	-0.0876	0.0923	-0.0044	0.0000	-0.0164	
D	150.004	0.0000	-0.0907	0.0926	-0.0045	0.0001	-0.0174	
D	131.678	0.0000	-0.0877	0.0926	-0.0045	0.0001	-0.0168	
D	131.678	0.0000	-0.0900	0.0928	-0.0045	0.0002	-0.0177	
D	130.012	0.0000	-0.0900	0.0928	-0.0045	0.0002	-0.0177	
D	130.012	0.0000	-0.0915	0.0929	-0.0046	0.0003	-0.0183	
D	121.682	0.0000	-0.0901	0.0929	-0.0046	0.0003	-0.0180	
D	121.682	0.0000	-0.0896	0.0926	-0.0046	0.0003	-0.0179	
D	120.000	0.0000	-0.0896	0.0926	-0.0046	0.0003	-0.0179	
D	120.000	0.0000	-0.0751	0.0604	-0.0046	0.0003	-0.0175	
D	0.000	0.0000	-0.0520	0.0604	-0.0046	0.0003	-0.0121	
C	300.000	0.0000	-0.0467	0.0109	0.0000	0.0000	0.0000	
C	287.000	0.0000	-0.2883	0.1285	0.1904	-0.0596	0.4630	
C	280.000	0.0000	-1.2568	0.9115	0.0000	0.0000	1.1311	
C	272.000	0.0000	-0.5126	0.2350	0.1619	0.0937	0.3546	
C	236.000	0.0000	-0.2196	0.1065	-0.0285	0.1533	-0.0854	
C	151.000	0.0000	-0.0987	0.1065	-0.1185	-0.1013	-0.0928	
C	140.000	0.0000	-1.0310	0.9115	0.0000	0.0000	0.9279	
C	131.000	0.0000	-0.0566	0.0441	-0.0567	-0.0675	-0.0727	
C	287.000	0.0536	-2.4672	0.4420	1.0829	0.0000	7.6994	296.
C	272.000	0.7711	-4.9883	0.5410	-0.6627	1.1479	-3.0075	105.
C	272.000	0.3505	-1.1994	0.4470	1.0951	0.0000	3.4963	296.
C	236.000	0.7404	-4.7900	0.5410	-0.6627	1.1479	-2.8880	105.
C	151.000	-0.1567	-2.9358	0.3420	-0.4189	-0.7256	-6.8468	241.

LOADS DUE TO LADDER
==========

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	.....FORCES..... HORIZ	DOWN	.....MOMENTS..... VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
D	300.000	0.00	0.0	90.0	0.0148	0.0053	0.0036	-0.0093
D	261.682	0.00	0.0	90.0	0.0143	0.0053	0.0036	-0.0089
D	261.682	0.00	0.0	90.0	0.0144	0.0053	0.0036	-0.0090
D	160.000	0.00	0.0	90.0	0.0126	0.0053	0.0036	-0.0079
D	160.000	0.00	0.0	90.0	0.0124	0.0053	0.0036	-0.0077
D	120.000	0.00	0.0	90.0	0.0115	0.0053	0.0036	-0.0072
D	120.000	0.00	0.0	90.0	0.0112	0.0053	0.0036	-0.0070
D	0.000	0.00	0.0	90.0	0.0077	0.0053	0.0036	-0.0048

LOADS DUE TO TRANSMISSION LINES
==========

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	.....FORCES..... HORIZ	DOWN	.....MOMENTS..... VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
D	300.000	0.00	0.0	180.0	0.0000	0.0000	0.0000	0.0000

D	288.338	0.00	0.0	180.0	0.0000	0.0000	0.0000	0.0000
D	288.338	0.00	0.0	90.0	0.0015	0.0001	0.0001	-0.0005
D	286.672	0.00	0.0	90.0	0.0015	0.0001	0.0001	-0.0005
D	286.672	0.00	0.0	90.0	0.0077	0.0005	0.0003	-0.0025
D	273.344	0.00	0.0	90.0	0.0076	0.0005	0.0003	-0.0024
D	273.344	0.00	0.0	90.0	0.0095	0.0007	0.0003	-0.0030
D	271.678	0.00	0.0	90.0	0.0095	0.0007	0.0003	-0.0030
D	271.678	0.00	0.0	90.0	0.0176	0.0015	0.0005	-0.0055
D	261.682	0.00	0.0	90.0	0.0175	0.0015	0.0005	-0.0054
D	261.682	0.00	0.0	90.0	0.0175	0.0015	0.0005	-0.0054
D	236.250	0.00	0.0	90.0	0.0172	0.0015	0.0005	-0.0053
D	236.250	0.00	0.0	90.0	0.0249	0.0019	0.0006	-0.0076
D	235.000	0.00	0.0	90.0	0.0249	0.0019	0.0006	-0.0076
D	235.000	0.00	0.0	90.0	0.0269	0.0020	0.0007	-0.0082
D	160.000	0.00	0.0	90.0	0.0242	0.0020	0.0007	-0.0074
D	160.000	0.00	0.0	90.0	0.0238	0.0020	0.0007	-0.0073
D	151.670	0.00	0.0	90.0	0.0235	0.0020	0.0007	-0.0072
D	151.670	0.00	0.0	90.0	0.0285	0.0025	0.0008	-0.0088
D	150.004	0.00	0.0	90.0	0.0285	0.0025	0.0008	-0.0088
D	150.004	0.00	0.0	90.0	0.0317	0.0029	0.0009	-0.0098
D	131.678	0.00	0.0	90.0	0.0307	0.0029	0.0009	-0.0095
D	131.678	0.00	0.0	90.0	0.0332	0.0031	0.0010	-0.0104
D	130.012	0.00	0.0	90.0	0.0332	0.0031	0.0010	-0.0104
D	130.012	0.00	0.0	90.0	0.0349	0.0032	0.0011	-0.0110
D	121.682	0.00	0.0	90.0	0.0343	0.0032	0.0011	-0.0108
D	121.682	0.00	0.0	90.0	0.0334	0.0032	0.0011	-0.0105
D	0.000	0.00	0.0	90.0	0.0233	0.0032	0.0011	-0.0073

LOADS DUE TO OTHER MOUNTINGS
==========

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	......FORCES...... HORIZ	DOWN	......MOMENTS..... VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
C	300.000	0.00	0.0	90.0	0.0467	0.0109	0.0000	0.0000
C	287.000	1.55	342.6	90.0	0.2883	0.1285	0.0000	0.0360
C	280.000	0.00	300.6	90.0	1.2568	0.9115	0.0000	1.1311
C	272.000	0.80	30.0	90.0	0.5126	0.2350	0.0000	0.0014
C	236.000	1.46	100.5	90.0	0.2196	0.1065	0.0000	-0.0266
C	151.000	1.46	220.5	90.0	0.0987	0.1065	0.0000	0.0170
C	140.000	0.00	300.6	90.0	1.0310	0.9115	0.0000	0.9279
C	131.000	2.00	230.0	90.0	0.0566	0.0441	0.0000	0.0000

LOADS DUE TO MICROWAVE PARABOLIC ANTENNAS
==========

TYPE	.....ANTENNA..... SIZE	ELEV	AZIM	.ATTACHMENT. RADIUS	AZIM	.....ANTENNA FORCES..... AXIAL	SHEAR	GRAVITY	TORSION
	ft	ft	deg	ft	deg	kip	kip	kip	ft-kip

STD+R	10.0	287.000	296.	2.45	0.	-2.24	1.03	0.44	1.65
HP	10.0	272.000	105.	2.45	120.	5.02	-0.55	0.54	1.47
HP	8.0	272.000	296.	2.45	0.	-1.23	0.21	0.45	0.56
HP	10.0	236.000	105.	2.45	120.	4.82	-0.52	0.54	1.41
STD	10.0	151.000	241.	2.45	240.	-2.64	-1.29	0.34	-3.58

INDIVIDUAL ELEMENT LOADS
========================

TYPE NO	MATERIAL TYPE	.....BARE LOADS..... GRAVITY plf	WIND AREA ft.sq/ft	...CURRENT LOADING... GRAVITY plf	WIND AREA ft.sq/ft
1	sr	13.806	0.188	13.806	0.225
2	sr	10.908	0.167	10.908	0.200
3	sr	1.534	0.063	1.534	0.075
4	sr	2.727	0.083	2.727	0.100
5	sr	0.682	0.042	0.682	0.050
6	sch40	1.953	0.240	1.953	0.287
7	c	4.998	0.167	4.998	0.333
8	sch40	10.934	1.063	10.934	1.275
9	l	6.727	0.333	6.727	0.667
10	sch40	11.021	0.375	11.021	0.450
11	sch40	7.752	0.552	7.752	0.663
12	l	10.851	0.292	10.851	0.583
13	RHSS	5.510	0.240	5.510	0.287
14	sch40	1.953	0.240	1.953	0.287
15	sch40	0.916	0.158	0.916	0.190
	ewp63	0.510	0.168	0.510	0.151
	ewp63	1.020	0.193	1.020	0.201
	ewp63	0.510	0.168	0.510	0.201
	fh1.625	0.820	0.165	0.820	0.198
	fh0.875	0.330	0.091	0.330	0.109

==========

LOADING CONDITION C ==========

Bare tower 100 mph wind at azimuth 180 deg

WIND LOADING
============

.....WIND LOADING..... AZI deg	SPEED mph	REF.VEL. PRESS. psf	...ICE LOADING.. RADIUS in	DENSITY pcf	.....TYPE OF..... EXP *	STD &	ANT LOAD #	....FACTORS..... WIND LOAD	DEAD LOAD	ICE LOAD
180.0	100.00	0.00	0.00	56.20	1	1	1	1.00	1.00	1.00

* Type of Exposure : 1 - Wind profile (Kz) based on EIA 222 F (June 1996)
2 - Wind profile Kz = 1 ; Gh = 1
3 - Wind profile (Kz) based on EIA 222 C (Mar.1976)
4 - Wind factors supplied by user (Gh=1, step function)
5 - Wind profile UBC (May.1988) Exposure C
6 - Wind profile UBC (May.1988) Exposure B
7 - Wind profile Site Specific Wind Formula

& Type of Standard : 1 - EIA - 222 F (June 1996)

2 - EIA - 222 C (March 1976)
3 - UBC - 88 (May 1 1988)

Type of Antenna load :
1 - Antenna forces for this wind direction
2 - Maximum possible forces regardless of wind direction

SUPPRESS PRINTING
==========

....LOAD SUMMARY FOR.... MAST	GUYMAST	PANEL POINTS	.....LOAD COMPONENTS..... PANELS	LADDERS	TX-LINES	DISCRETE APPURTENANCES	INDIVIDUAL ELEMENTS
no	no	yes	yes	no	no	no	no

MAST LOADING
==========

LOAD TYPE	ELEV ft	APPLY..LOAD..AT RADIUS ft	AZI	LOAD AZI	.....FORCES..... HORIZ kip	DOWN kip	.....MOMENTS..... VERTICAL ft-kip	TORSNAL ft-kip
D	300.000	0.00	0.0	180.0	0.0812	0.0810	0.0036	0.0000
D	288.338	0.00	0.0	180.0	0.0804	0.0810	0.0036	0.0000
D	288.338	0.00	0.0	180.0	0.0820	0.0811	0.0036	-0.0006
D	286.672	0.00	0.0	180.0	0.0820	0.0811	0.0036	-0.0006
D	286.672	0.00	0.0	180.0	0.0886	0.0815	0.0038	-0.0032
D	273.344	0.00	0.0	180.0	0.0876	0.0815	0.0038	-0.0032
D	273.344	0.00	0.0	180.0	0.0896	0.0817	0.0038	-0.0032
D	271.678	0.00	0.0	180.0	0.0896	0.0817	0.0038	-0.0032
D	271.678	0.00	0.0	180.0	0.0989	0.0826	0.0041	-0.0032
D	261.682	0.00	0.0	180.0	0.0980	0.0826	0.0041	-0.0032
D	261.682	0.00	0.0	180.0	0.0976	0.0822	0.0041	-0.0031
D	260.000	0.00	0.0	180.0	0.0976	0.0822	0.0041	-0.0031
D	260.000	0.00	0.0	180.0	0.0821	0.0501	0.0041	-0.0032
D	236.250	0.00	0.0	180.0	0.0800	0.0501	0.0041	-0.0031
D	236.250	0.00	0.0	180.0	0.0852	0.0505	0.0042	-0.0031
D	160.000	0.00	0.0	180.0	0.0774	0.0506	0.0042	-0.0028
D	160.000	0.00	0.0	180.0	0.0919	0.0918	0.0042	-0.0027
D	151.670	0.00	0.0	180.0	0.0908	0.0918	0.0042	-0.0027
D	151.670	0.00	0.0	180.0	0.0955	0.0923	0.0044	-0.0008
D	150.004	0.00	0.0	180.0	0.0955	0.0923	0.0044	-0.0008
D	150.004	0.00	0.0	180.0	0.0986	0.0926	0.0045	0.0005
D	131.678	0.00	0.0	180.0	0.0953	0.0926	0.0045	0.0005
D	131.678	0.00	0.0	180.0	0.0976	0.0928	0.0046	0.0021
D	130.012	0.00	0.0	180.0	0.0976	0.0928	0.0046	0.0021
D	130.012	0.00	0.0	180.0	0.0990	0.0929	0.0046	0.0032
D	121.682	0.00	0.0	180.0	0.0975	0.0929	0.0046	0.0031

D	121.682	0.00	0.0	180.0	0.0970	0.0926	0.0046	0.0031
D	120.000	0.00	0.0	180.0	0.0970	0.0926	0.0046	0.0031
D	120.000	0.00	0.0	180.0	0.0823	0.0604	0.0046	0.0030
D	0.000	0.00	0.0	180.0	0.0570	0.0604	0.0046	0.0021
C	300.000	0.00	0.0	180.0	0.0467	0.0109	0.0000	0.0000
C	287.000	1.55	342.6	180.0	0.2125	0.1285	0.0000	-0.0107
C	280.000	0.00	300.6	180.0	1.2568	0.9115	0.0000	0.0000
C	272.000	0.80	30.0	180.0	0.3633	0.2350	0.0000	-0.0149
C	236.000	1.46	100.5	180.0	0.1479	0.1065	0.0000	-0.0235
C	151.000	1.46	220.5	180.0	0.2248	0.1065	0.0000	-0.0627
C	140.000	0.00	300.6	180.0	1.0310	0.9115	0.0000	0.0000
C	131.000	2.00	230.0	180.0	0.0566	0.0441	0.0000	0.0000

GUYMAST LOADING
==========

LOAD	ELEV	.....FORCES (kip).....			...MOMENTS (ft.kips)...			ANTENNA
TYPE	ft	NORTH	EAST	DOWN	NORTH	EAST	TORSION	AZIMUTH
D	300.000	0.0812	0.0000	0.0810	-0.0036	0.0000	0.0000	
D	288.338	0.0804	0.0000	0.0810	-0.0036	0.0000	0.0000	
D	288.338	0.0820	0.0000	0.0811	-0.0036	0.0000	-0.0006	
D	286.672	0.0820	0.0000	0.0811	-0.0036	0.0000	-0.0006	
D	286.672	0.0886	0.0000	0.0815	-0.0038	-0.0002	-0.0032	
D	273.344	0.0876	0.0000	0.0815	-0.0038	-0.0002	-0.0032	
D	273.344	0.0896	0.0000	0.0817	-0.0038	-0.0002	-0.0032	
D	271.678	0.0896	0.0000	0.0817	-0.0038	-0.0002	-0.0032	
D	271.678	0.0989	0.0000	0.0826	-0.0041	-0.0002	-0.0032	
D	261.682	0.0980	0.0000	0.0826	-0.0041	-0.0002	-0.0032	
D	261.682	0.0976	0.0000	0.0822	-0.0041	-0.0002	-0.0031	
D	260.000	0.0976	0.0000	0.0822	-0.0041	-0.0002	-0.0031	
D	260.000	0.0821	0.0000	0.0501	-0.0041	-0.0002	-0.0032	
D	236.250	0.0800	0.0000	0.0501	-0.0041	-0.0002	-0.0031	
D	236.250	0.0852	0.0000	0.0505	-0.0042	-0.0002	-0.0031	
D	160.000	0.0774	0.0000	0.0506	-0.0042	-0.0002	-0.0028	
D	160.000	0.0919	0.0000	0.0918	-0.0042	-0.0002	-0.0027	
D	151.670	0.0908	0.0000	0.0918	-0.0042	-0.0002	-0.0027	
D	151.670	0.0955	0.0000	0.0923	-0.0044	0.0000	-0.0008	
D	150.004	0.0955	0.0000	0.0923	-0.0044	0.0000	-0.0008	
D	150.004	0.0986	0.0000	0.0926	-0.0045	0.0001	0.0005	
D	131.678	0.0953	0.0000	0.0926	-0.0045	0.0001	0.0005	
D	131.678	0.0976	0.0000	0.0928	-0.0045	0.0002	0.0021	
D	130.012	0.0976	0.0000	0.0928	-0.0045	0.0002	0.0021	
D	130.012	0.0990	0.0000	0.0929	-0.0046	0.0003	0.0032	
D	121.682	0.0975	0.0000	0.0929	-0.0046	0.0003	0.0031	
D	121.682	0.0970	0.0000	0.0926	-0.0046	0.0003	0.0031	
D	120.000	0.0970	0.0000	0.0926	-0.0046	0.0003	0.0031	
D	120.000	0.0823	0.0000	0.0604	-0.0046	0.0003	0.0030	

D	0.000	0.0570	0.0000	0.0604	-0.0046	0.0003	0.0021	
C	300.000	0.0467	0.0000	0.0109	0.0000	0.0000	0.0000	
C	287.000	0.2125	0.0000	0.1285	0.1904	-0.0596	-0.1093	
C	280.000	1.2568	0.0000	0.9115	0.0000	0.0000	0.0000	
C	272.000	0.3633	0.0000	0.2350	0.1619	0.0937	0.1299	
C	236.000	0.1479	0.0000	0.1065	-0.0285	0.1533	0.1894	
C	151.000	0.2248	0.0000	0.1065	-0.1185	-0.1013	-0.2766	
C	140.000	1.0310	0.0000	0.9115	0.0000	0.0000	0.0000	
C	131.000	0.0566	0.0000	0.0441	-0.0567	-0.0675	-0.0867	
C	287.000	1.5243	0.1792	0.4420	1.0829	0.0000	-6.9561	296.
C	272.000	2.5316	-1.2768	0.5410	-0.6627	1.1479	5.6490	105.
C	272.000	1.8080	-0.9416	0.4470	1.0951	0.0000	0.1026	296.
C	236.000	2.4310	-1.2261	0.5410	-0.6627	1.1479	5.4245	105.
C	151.000	3.4317	4.3543	0.3420	-0.4189	-0.7256	0.7267	241.

LOADS DUE TO LADDER
==========

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	..FORCES.. HORIZ	DOWN	..MOMENTS.. VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
D	300.000	0.00	0.0	180.0	0.0265	0.0053	0.0036	0.0000
D	261.682	0.00	0.0	180.0	0.0255	0.0053	0.0036	0.0000
D	261.682	0.00	0.0	180.0	0.0257	0.0053	0.0036	0.0000
D	160.000	0.00	0.0	180.0	0.0226	0.0053	0.0036	0.0000
D	160.000	0.00	0.0	180.0	0.0221	0.0053	0.0036	0.0000
D	120.000	0.00	0.0	180.0	0.0204	0.0053	0.0036	0.0000
D	120.000	0.00	0.0	180.0	0.0199	0.0053	0.0036	0.0000
D	0.000	0.00	0.0	180.0	0.0138	0.0053	0.0036	0.0000

LOADS DUE TO TRANSMISSION LINES
==========

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	..FORCES.. HORIZ	DOWN	..MOMENTS.. VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
D	300.000	0.00	0.0	180.0	0.0000	0.0000	0.0000	0.0000
D	288.338	0.00	0.0	180.0	0.0000	0.0000	0.0000	0.0000
D	288.338	0.00	0.0	180.0	0.0017	0.0001	0.0001	-0.0006
D	286.672	0.00	0.0	180.0	0.0017	0.0001	0.0001	-0.0006
D	286.672	0.00	0.0	180.0	0.0084	0.0005	0.0003	-0.0032
D	273.344	0.00	0.0	180.0	0.0083	0.0005	0.0003	-0.0032
D	273.344	0.00	0.0	180.0	0.0106	0.0007	0.0003	-0.0032
D	271.678	0.00	0.0	180.0	0.0106	0.0007	0.0003	-0.0032
D	271.678	0.00	0.0	180.0	0.0199	0.0015	0.0005	-0.0032
D	261.682	0.00	0.0	180.0	0.0198	0.0015	0.0005	-0.0032
D	261.682	0.00	0.0	180.0	0.0198	0.0015	0.0005	-0.0032
D	236.250	0.00	0.0	180.0	0.0195	0.0015	0.0005	-0.0031
D	236.250	0.00	0.0	180.0	0.0238	0.0019	0.0006	-0.0031
D	235.000	0.00	0.0	180.0	0.0238	0.0019	0.0006	-0.0031

D	235.000	0.00	0.0	180.0	0.0250	0.0020	0.0007	-0.0031
D	160.000	0.00	0.0	180.0	0.0224	0.0020	0.0007	-0.0028
D	160.000	0.00	0.0	180.0	0.0221	0.0020	0.0007	-0.0027
D	151.670	0.00	0.0	180.0	0.0218	0.0020	0.0007	-0.0027
D	151.670	0.00	0.0	180.0	0.0268	0.0025	0.0008	-0.0008
D	150.004	0.00	0.0	180.0	0.0268	0.0025	0.0008	-0.0008
D	150.004	0.00	0.0	180.0	0.0301	0.0029	0.0009	0.0005
D	131.678	0.00	0.0	180.0	0.0291	0.0029	0.0009	0.0005
D	131.678	0.00	0.0	180.0	0.0316	0.0031	0.0010	0.0021
D	130.012	0.00	0.0	180.0	0.0316	0.0031	0.0010	0.0021
D	130.012	0.00	0.0	180.0	0.0333	0.0032	0.0011	0.0032
D	121.682	0.00	0.0	180.0	0.0328	0.0032	0.0011	0.0031
D	121.682	0.00	0.0	180.0	0.0319	0.0032	0.0011	0.0030
D	0.000	0.00	0.0	180.0	0.0222	0.0032	0.0011	0.0021

LOADS DUE TO OTHER MOUNTINGS
==========

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	.....FORCES..... HORIZ	DOWN	.....MOMENTS..... VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
C	300.000	0.00	0.0	180.0	0.0467	0.0109	0.0000	0.0000
C	287.000	1.55	342.6	180.0	0.2125	0.1285	0.0000	-0.0107
C	280.000	0.00	300.6	180.0	1.2568	0.9115	0.0000	0.0000
C	272.000	0.80	30.0	180.0	0.3633	0.2350	0.0000	-0.0149
C	236.000	1.46	100.5	180.0	0.1479	0.1065	0.0000	-0.0235
C	151.000	1.46	220.5	180.0	0.2248	0.1065	0.0000	-0.0627
C	140.000	0.00	300.6	180.0	1.0310	0.9115	0.0000	0.0000
C	131.000	2.00	230.0	180.0	0.0566	0.0441	0.0000	0.0000

LOADS DUE TO MICROWAVE PARABOLIC ANTENNAS
==========

.....ANTENNA..... TYPE	SIZE	ELEV	AZIM	.ATTACHMENT. RADIUS	AZIM	.....ANTENNA FORCES..... AXIAL	SHEAR	GRAVITY	TORSION
	ft	ft	deg	ft	deg	kip	kip	kip	ft-kip
STD+R	10.0	287.000	296.	2.45	0.	-0.51	-1.45	0.44	-6.52
HP	10.0	272.000	105.	2.45	120.	1.89	2.11	0.54	1.84
HP	8.0	272.000	296.	2.45	0.	-1.64	-1.21	0.45	-2.20
HP	10.0	236.000	105.	2.45	120.	1.81	2.03	0.54	1.77
STD	10.0	151.000	241.	2.45	240.	5.47	-0.89	0.34	2.67

INDIVIDUAL ELEMENT LOADS
==========

TYPE NO	MATERIAL TYPE	.....BARE LOADS..... GRAVITY	WIND AREA	...CURRENT LOADING... GRAVITY	WIND AREA
		plf	ft.sq/ft	plf	ft.sq/ft
1	sr	13.806	0.188	13.806	0.225
2	sr	10.908	0.167	10.908	0.200
3	sr	1.534	0.063	1.534	0.075
4	sr	2.727	0.083	2.727	0.100
5	sr	0.682	0.042	0.682	0.050
6	sch40	1.953	0.240	1.953	0.287

7	c	4.998	0.167	4.998	0.333
8	sch40	10.934	1.063	10.934	1.275
9	l	6.727	0.333	6.727	0.667
10	sch40	11.021	0.375	11.021	0.450
11	sch40	7.752	0.552	7.752	0.663
12	l	10.851	0.292	10.851	0.583
13	RHSS	5.510	0.240	5.510	0.287
14	sch40	1.953	0.240	1.953	0.287
15	sch40	0.916	0.158	0.916	0.190
	ewp63	0.510	0.168	0.510	0.166
	ewp63	1.020	0.193	1.020	0.232
	ewp63	0.510	0.168	0.510	0.116
	fh1.625	0.820	0.165	0.820	0.198
	fh0.875	0.330	0.091	0.330	0.109

==========

ORIGINAL DATA FILE :

c:\Documents and Settings\sean\My Documents\Projects\Website\samples\working\de

==========

line no | contents

```
  1 [DEMOGU] - 300 FT GUYED TOWER ANALYSIS - OCTOBER 2004
  2 mast geometry
  3 d,3,0,0,120,2.5,2.5,1.25
  4 x,3,0,120,160,,,1.666
  5 d,3,0,160,260,,,1.25
  6 x,3,0,260,300,,,1.666
  7 panel properties
  8 0,120,1,3,0,0,0,0,0
  9 120,160,1,4,4
 10 160,260,2,3,0
 11 260,300,2,4,4
 12 material types
 13 sr,1,1,0,2.25,0,0,500            /legs
 14 ,2,,,2
 15 ,3,,,.75                         /diags
 16 ,4,,,1
 17 ,5,,,.5                          /ladder rungs
 18 sch40,6,,,2.5,0,0,165            /safety rail
 19 c,7,1,0,2,5,.125,.125            /tx support
 20 sch40,8,1,0,12,0,0,100           /beacon
 21 l,9,1,0,4,4,.25,500              /mw mount angle
 22 sch40,10,,,4,0,0                 /mw mount pipe
 23 sch40,11,2,0,6,0,0,100           /dol
 24 l,12,2,0,3.5,3.0,.25,500         /tr member @ EL. 280'
 25 RHSS,13,1,0,2.875,0,.188         /pinwheel mount
 26 sch40,14,1,0,2.5,0,0,165         /srl480
 27 ,15,1,0,1.5                      /srl420
 28 ladder geometry
 29 0,300,10,15,.625,180,90,0,5,6
 30 0,300,26,45,.722,180,90,0,7,0    /tx support
 31 transmission lines
 32 ewp63,0,287,1,0.5,230,230
 33 ewp63,0,272,2,0.3,180,90
 34 ewp63,0,236,1,0.3,180,180
 35 fh1.625,0,151,1,0.5,130,130
```

```
  36 fh0.875,0,131,1,0.7,120,120
  37 other mountings
  38 272,9,2,3.0,0.83,300,30,0         /mw mount angle
  39 287
  40 272,10,1,8,2,350,0,90             /mw pipe
  41 287
  42 272,9,2,3,.83,60,150,0            /mw mount angle
  43 236
  44 272,10,1,6,2,110,0,90             /mw pipe
  45 236
  46 151,9,2,3,.83,180,90,0            /mw angle
  47 ,10,1,6,2,230,0,90                /mw pipe
  48 131,10,1,4,2,230,0,90             /mw pipe
  49 300,8,1,1,0,0,0,90                /beacon
  50 140,12,2,14,1.8,120,30,0          /torsion resistors
  51 5*,240,150
  52 5*,0,90
  53 280,4*,120,30
  54 5*,240,150
  55 5*,0,90
  56 MICROWAVE PARABOLIC ANTENNAS
  57 std,151,241,10.0,2.45,240,50
  58 hp,236,105,10.0,2.45,120,50
  59 ,272,296,8.00,2.45,0,50
  60 ,272,105,10.0,2.45,120,50
  61 std+r,287,296,10.0,2.45,0,50
  62 GUY GEOMETRY
  63 45,0,GS,0.4375,45,230,1.44,0,1.95,2,120,120
  64 90,,,,90
  65 140,0,GS,0.5,140,,8.08,60,2.55,2,120,120
  66 ,120
  67 185,0,GS,0.5,185,,1.44,0,2.55
  68 230,,,0.625,230,,,,4.03
  69 280,0,BS,0.75,280,,8.08,60,6.80,2,120,120
  70 ,120
  71 Bare tower 100 mph wind at azimuth 0 deg
  72 wind loading
  73 0,100,0,0,56.2,1,1,1,1,1,1
  74 suppress printing
  75 8*0
  76 Bare tower 100 mph wind at azimuth 90 deg
  77 wind loading
  78 90,100,0,0,56.2,1,1,1,1,1,1
  79 suppress printing
  80 1,0,1,1,4*0
  81 Bare tower 100 mph wind at azimuth 180 deg
  82 wind loading
  83 180,100,0,0,56.2,1,1,1,1,1,1

================================================================================
END OF FILE


ELAPSED CPU TIME      0.11 SECONDS.

================================================================================
```