



N O D A L C O O R D I N A T E S					B O U N D A R Y C O N D I T I O N S (F=FIX,S=SUP,M=MASTER/SLAVE)						
NODE NO	REBAND NO	X	Y	Z	NODE TEMP	ALPHA	BETA	GAMMA	DIR	DDDDOO XYZXYZ	STIFFNESS
Units:		Ft	Ft	Ft	F	Deg	Deg	Deg			K /In /Deg
1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00		FFF...	
2	2	0.00	12.00	0.00	0.00	0.00	0.00	0.00			
3	3	20.00	12.00	0.00	0.00	0.00	0.00	0.00			
4	4	20.00	0.00	0.00	0.00	0.00	0.00	0.00		FFF...	
5	5	20.00	0.00	20.00	0.00	0.00	0.00	0.00		FFF...	
6	6	20.00	12.00	20.00	0.00	0.00	0.00	0.00			
7	7	0.00	12.00	20.00	0.00	0.00	0.00	0.00			
8	8	0.00	0.00	20.00	0.00	0.00	0.00	0.00		FFF...	
9	9	25.00	12.00	20.00	0.00	0.00	0.00	0.00			
10	10	25.00	12.00	23.00	0.00	0.00	0.00	0.00			
11	11	40.00	32.00	23.00	0.00	0.00	0.00	0.00		FFFFFF	

2 N O D E P R I S M A T I C B E A M E L E M E N T														
ELEM NO	NE NO	PE NO	ALPHA	BETA	GAMMA	LENGTH	MAT TYPE	PROP TYPE	RELEASE NE	REF TEMP	DIR	NE	OFFSET PE	STIFFNESS NE PE
Units:			Deg	Deg	Deg	Ft				F		Ft	Ft	K /In /Deg K /In /Deg
1	1	2	90.00	-90.00	0.00	12.00	1	1						
2	2	3	90.00	0.00	0.00	20.00	1	2						
3	3	4	90.00	90.00	0.00	12.00	1	1						
8	6	5	90.00	90.00	0.00	12.00	1	1						
9	7	6	90.00	0.00	0.00	20.00	1	2						
10	8	7	90.00	-90.00	0.00	12.00	1	1						
11	2	7	0.00	0.00	0.00	20.00	1	2						
12	3	6	0.00	0.00	0.00	20.00	1	2						
13	6	9	90.00	0.00	0.00	5.00	1	2						
14	9	10	0.00	0.00	0.00	3.00	1	2						

2 N O D E T E N S I O N - O N L Y S T R U T E L E M E N T															
ELEM NO	NE NO	PE NO	ALPHA	BETA	GAMMA	LENGTH	MAT TYPE	PROP TYPE	REF TEMP	DX	DY	CONNECTION OFFSETS DZ DX DY DZ			
Units:			Deg	Deg	Deg	Ft			Ft	F	Ft	Ft	Ft	Ft	Ft
4	1	3	90.00	-30.96	0.00	23.32	1	3							
5	2	4	90.00	30.96	0.00	23.32	1	3							
6	7	5	90.00	30.96	0.00	23.32	1	3							
7	8	6	90.00	-30.96	0.00	23.32	1	3							

2 N O D E C A B L E E L E M E N T															
ELEM NO	NE NO	PE NO	ALPHA	BETA	CHORD LENGTH	MAT TYPE	PROP TYPE	TEN	LU	REF TEMP	DX	DY	CONNECTION OFFSETS DZ DX DY DZ		
Units:			Deg	Deg	Ft			K	Ft	F	Ft	Ft	Ft	Ft	Ft
15	10	11	90.00	-53.13	25.00	1	4	1.00	0.00						

MATL NO	DESIGNATION	M A T E R I A L P R O P E R T I E S				
		YOUNG'S MODULUS	POISSON'S RATIO	THERMAL COEFF	MASS DENSITY	WEIGHT DENSITY
Units:		K /In ^2		F	Slug/Ft^3	Lb/Ft ^3
1	Steel	2.9e+004	0.295	6.5e-006	15.2	490

PROP	DESIGNATION	2 N O D E P R I S M A T I C B E A M E L E M E N T P R O P E R T I E S							
		A	IXX	IYY	J	IXY	SFY	SFX	CW
Units:		In^2	In^4	In^4	In^4	In^4			In^6
1	W10x33	9.71	170	36.6	0.58	0	3.441	1.402	790
2	W18x50	14.7	800	40.1	1.24	0	2.302	1.720	3.04e+003

PROP	DESIGNATION	2 N O D E S T R U T E L E M E N T P R O P E R T I E S	
		A	
Units:		In^2	
3	SC1	0.785	

PROP	DESIGNATION	2 N O D E C A B L E E L E M E N T P R O P E R T I E S	
		A	Diameter
Units:		In^2	In
4	CB1	0.781	1.000

REC NO	LOAD TYPE	LOAD SYS	DIST SPEC	2 N O D E P R I S M A T I C B E A M E L E M E N T L O A D I N F O R M A T I O N							
				DIST	PX	PY	PZ	MX	MY	MZ	
Units:			Ft	K	K	K	Ft-K	Ft-K	Ft-K		
DESCRIPTION :											
LOAD CASES : 1											
ELEMENT LIST : 2											
1	LINR	GLO	FRAC	B	0.000	0.000	-2.500	0.000	0.000	0.000	
				E	1.000	0.000	-2.500	0.000	0.000	0.000	
DESCRIPTION :											
LOAD CASES : 1											
ELEMENT LIST : 9											
2	LINR	GLO	FRAC	B	0.000	0.000	-2.500	0.000	0.000	0.000	
				E	1.000	0.000	-2.500	0.000	0.000	0.000	

REC NO	G R A V I T Y L O A D M U L T I P L I E R S		
	PX	PY	PZ
DESCRIPTION : Self Weight			
LOAD CASES : 1			

ELEMENT LIST : 1

1	0.000	-1.000	0.000
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GRAVITY LOAD MULTIPLIERS

REC NO	PX	PY	PZ
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 2			
2	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 3			
3	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 4			
4	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 5			
5	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 6			
6	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 7			
7	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 8			
8	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 9			
9	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 10			
10	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 11			
11	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 12			

12	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 13			
13	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 14			
14	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 1			
ELEMENT LIST : 15			
15	0.000	-1.000	0.000
DESCRIPTION : Self Weight			
LOAD CASES : 3			
ELEMENT LIST : 15			
16	0.000	-1.000	0.000

REC NO	ALPHA	BETA	GAMMA	PX	N O D A L L O A D S			MX	MY	MZ
					PY	PZ				
Units:	Deg	Deg	Deg	K	K	K	Ft-K	Ft-K	Ft-K	
DESCRIPTION :										
LOAD CASES : 2										
NODE LIST : 2										
1	0.00	0.00	0.00	8.000	0.000	0.000	0.000	0.000	0.000	
DESCRIPTION :										
LOAD CASES : 2										
NODE LIST : 7										
2	0.00	0.00	0.00	8.000	0.000	0.000	0.000	0.000	0.000	
DESCRIPTION :										
LOAD CASES : 1										
NODE LIST : 10										
3	0.00	0.00	0.00	0.000	-10.000	0.000	0.000	0.000	0.000	

S T R U C T U R E L O A D C O M B I N A T I O N S

COMB LIST OF FACTORS \* CASES

- DESCRIPTION : Comb1
- 1 1.400\*1
- DESCRIPTION : Comb2
- 2 1.200\*1,1.300\*2
- DESCRIPTION : Total\_Deflect
- 3 1.000\*1,1.000\*2
- DESCRIPTION : Wind\_Deflect
- 4 1.000\*2,1.000\*3

## P-D E L T A   A N A L Y S I S   R E S U L T S

LOAD COMB	CONVERGE	CYCLE	D-NORM	F-NORM	CONVERGE-TOL	MAX CYCLE	AXIAL FORCE	MIN STIFFNESS	POWER
1	YES	6	5.2211e-005	1.4880e-004	1.0000e-003	100	N	0.0000e+000	0.0000e+000
2	YES	5	1.1859e-004	5.9111e-004	1.0000e-003	100	N	0.0000e+000	0.0000e+000
3	YES	5	5.9342e-005	2.7982e-004	1.0000e-003	100	N	0.0000e+000	0.0000e+000
4	YES	7	6.4589e-007	1.3225e-004	1.0000e-003	100	N	0.0000e+000	0.0000e+000

S T R U C T U R E L O A D C O M B I N A T I O N S

COMB LIST OF FACTORS \* CASES

LOAD COMBINATIONS:

COMB 1 (Comb1) : 1.40 X CASE 1  
 COMB 2 (Comb2) : 1.20 X CASE 1 + 1.30 X CASE 2  
 COMB 3 (Total\_Deflect) : 1.00 X CASE 1 + 1.00 X CASE 2  
 COMB 4 (Wind\_Deflect) : 1.00 X CASE 2 + 1.00 X CASE 3

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

(\* Indicates Displacements Occur in Nodal Local System)

NODE NO	LOAD COMB	DX	DY	DZ	OX	OY	OZ
Units:		In	In	In	Deg	Deg	Deg
1	1	0.0000	0.0000	0.0000	0.1480	0.1540	0.1435
	2	0.0000	0.0000	0.0000	0.1240	0.1300	0.0237
	3	0.0000	0.0000	0.0000	0.1002	0.1083	0.0256
	4	0.0000	0.0000	0.0000	0.0023	0.0031	-0.0678
2	1	-0.0236	-0.0191	0.2577	0.0110	0.1547	-0.2770
	2	0.1594	-0.0158	0.2157	0.0095	0.1305	-0.2496
	3	0.1223	-0.0132	0.1745	0.0079	0.1086	-0.2073
	4	0.1229	0.0002	0.0040	0.0001	0.0031	-0.0083
3	1	-0.0264	-0.0189	-0.2020	0.0010	-0.0794	0.2803
	2	0.1519	-0.0192	-0.1780	0.0005	-0.0702	0.2289
	3	0.1165	-0.0158	-0.1476	0.0004	-0.0602	0.1914
	4	0.1186	-0.0025	-0.0051	0.0005	-0.0018	-0.0078
4	1	0.0000	0.0000	0.0000	-0.1208	-0.0799	-0.1153
	2	0.0000	0.0000	0.0000	-0.1064	-0.0706	-0.1954
	3	0.0000	0.0000	0.0000	-0.0882	-0.0605	-0.1573
	4	0.0000	0.0000	0.0000	-0.0033	-0.0018	-0.0656
5	1	0.0000	0.0000	0.0000	-0.1201	0.6260	-0.2155
	2	0.0000	0.0000	0.0000	-0.1055	0.5331	-0.2699
	3	0.0000	0.0000	0.0000	-0.0877	0.4474	-0.2192
	4	0.0000	0.0000	0.0000	-0.0023	0.0128	-0.0681
6	1	0.1654	-0.0235	-0.2023	0.0012	0.6265	0.2521
	2	0.2967	-0.0236	-0.1783	0.0018	0.5334	0.2050
	3	0.2372	-0.0194	-0.1478	0.0015	0.4476	0.1714
	4	0.1216	-0.0024	-0.0051	-0.0015	0.0128	-0.0061
7	1	0.1673	-0.0187	0.2579	-0.0038	-0.0795	-0.2843
	2	0.3039	-0.0158	0.2159	-0.0032	-0.0699	-0.2542
	3	0.2428	-0.0131	0.1747	-0.0028	-0.0600	-0.2111
	4	0.1259	0.0002	0.0040	0.0001	-0.0018	-0.0092
8	1	0.0000	0.0000	0.0000	0.1554	-0.0803	0.0348
	2	0.0000	0.0000	0.0000	0.1300	-0.0705	-0.0588
	3	0.0000	0.0000	0.0000	0.1053	-0.0604	-0.0433
	4	0.0000	0.0000	0.0000	0.0023	-0.0018	-0.0692
9	1	0.1550	0.2339	-1.3581	2.2822	1.5986	0.2015
	2	0.2894	0.1849	-1.1633	2.1002	1.3608	0.1643

N O D A L   D I S P L A C E M E N T S

(\* Indicates Displacements Occur in Nodal Local System)

NODE NO	LOAD COMB	DX	DY	DZ	OX	OY	OZ
	3	0.2322	0.1549	-0.9746	1.7421	1.1403	0.1420
	4	0.1217	-0.0080	-0.0287	-0.2926	0.0323	-0.0051
10	1	1.2909	-1.1967	-1.4045	2.2849	1.8942	0.2132
	2	1.2556	-1.1328	-1.2004	2.1027	1.6118	0.1734
	3	1.0414	-0.9387	-1.0003	1.7441	1.3501	0.1483
	4	0.1445	0.1761	-0.0292	-0.2930	0.0382	-0.0051
11	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

2 N O D E   P R I S M A T I C   B E A M   E L E M E N T   --   E L E M E N T   R E P O R T S

SIGN CONVENTION : BEAM DESIGNERS

ELEM NO	LOAD COMB	NODE NO	AXIAL	TORSION	SHEAR X	MOMENT Y	MAX MOM/DEFL	DIST	SHEAR Y	MOMENT X	MAX MOM/DEFL	DIST
Units:                    K                    K -Ft                    K                    K -Ft                    K -Ft / In                    Ft                    K                    K -Ft                    K -Ft / In                    Ft												
REPORT TYPE : Max Forces Full												
ELEMENT LIST : 1-3,8-14												
1	1	1	-37.2517	0.0000	0.2451	-0.0000			-3.4904	-0.0000		
		2	-36.6966	0.0000	0.2441	2.9356	-0.0441	6.92	-3.4903	-41.8841	0.1356	6.93
	2	1	-30.7024	0.0000	0.2046	-0.0000			-2.2680	0.0003		
		2	-30.2266	0.0000	0.2039	2.4506	-0.0368	6.92	-2.2685	-27.2184	0.0881	6.93
	3	1	-25.6406	0.0000	0.1650	-0.0000			-1.9320	0.0001		
		2	-25.2441	0.0000	0.1645	1.9773	-0.0297	6.92	-1.9323	-23.1854	0.0751	6.93
	4	1	0.5896	-0.0000	0.0041	0.0000			0.4936	-0.0000		
		2	0.5896	-0.0000	0.0041	0.0489	-0.0007	6.93	0.4936	5.9229	-0.0192	6.93
2	1	2	-4.2502	0.0014	-0.3039	1.3896			35.8244	-41.8854	137.8600	10.03
		3	-4.2502	0.0014	-0.3039	-4.6889	0.1325	12.50	-35.5760	-39.4013	-0.4326	10.02
	2	2	-12.7191	0.0012	-0.2692	1.2778			29.8482	-27.2190	118.3548	9.75
		3	-12.7200	0.0012	-0.2692	-4.1063	0.1141	12.55	-31.3522	-42.2581	-0.3712	9.89
	3	2	-9.9720	0.0010	-0.2221	1.0312			24.9232	-23.1857	98.6108	9.77
		3	-9.9725	0.0010	-0.2221	-3.4105	0.0958	12.52	-26.0771	-34.7249	-0.3093	9.90
	4	2	-7.5063	-0.0001	-0.0065	0.0305			-0.5842	5.9230		
		3	-7.5063	-0.0001	-0.0065	-0.0990	0.0028	12.54	-0.5842	-5.7613	-0.0030	4.36
3	1	3	-36.3363	-0.0000	0.2172	-2.6106			3.2830	-39.3956		
		4	-36.8914	-0.0000	0.2179	-0.0000	0.0392	5.07	3.2829	0.0001	0.1276	5.07
	2	3	-37.0289	0.0000	0.1905	-2.2901			3.5209	-42.2537		
		4	-37.5047	0.0000	0.1911	0.0000	0.0344	5.07	3.5214	-0.0000	0.1368	5.07
	3	3	-30.4510	0.0000	0.1579	-1.8977			2.8933	-34.7214		
		4	-30.8475	0.0000	0.1583	0.0000	0.0285	5.07	2.8936	-0.0000	0.1124	5.07
	4	3	-4.8244	0.0000	0.0068	-0.0817			0.4801	-5.7615		
		4	-4.8244	0.0000	0.0068	0.0000	0.0012	5.07	0.4801	-0.0000	0.0187	5.07

2 NODE PRISMATIC BEAM ELEMENT -- ELEMENT REPORTS												
ELEM NO	LOAD COMB	NODE NO	SIGN CONVENTION : BEAM DESIGNERS									
			AXIAL	TORSION	SHEAR X	MOMENT Y	MAX MOM/DEFL	DIST	SHEAR Y	MOMENT X	MAX MOM/DEFL	DIST
8	1	6	-45.1270	-0.0000	0.2163	-2.6006			3.8806	-46.5711		
		5	-45.6821	-0.0000	0.2171	-0.0000	0.0391	5.07	3.8812	-0.0005	0.1508	5.07
	2	6	-45.0657	0.0000	0.1913	-2.2995			3.9402	-47.2876		
		5	-45.5415	0.0000	0.1919	-0.0000	0.0346	5.07	3.9411	0.0002	0.1531	5.07
	3	6	-37.1508	0.0000	0.1591	-1.9117			3.2406	-38.8916		
		5	-37.5473	0.0000	0.1595	-0.0000	0.0287	5.07	3.2413	0.0001	0.1259	5.07
	4	6	-4.6198	0.0000	0.0014	-0.0164			0.5147	-6.1759		
		5	-4.6198	0.0000	0.0014	-0.0000	0.0002	5.07	0.5147	0.0000	0.0200	5.07
9	1	7	-2.6568	-0.0005	0.6901	-1.9254			34.5199	-31.7845	135.1087	9.67
		6	-2.6582	-0.0005	0.6901	11.8759	-0.3877	12.03	-36.8805	-55.3906	-0.4217	9.85
	2	7	-12.0667	-0.0005	0.5807	-1.5549			28.8018	-19.4598	116.0856	9.41
		6	-12.0687	-0.0005	0.5807	10.0589	-0.3309	12.00	-32.3986	-55.4280	-0.3613	9.74
	3	7	-9.4163	-0.0005	0.4928	-1.3510			24.0491	-16.7176	96.6853	9.43
		6	-9.4177	-0.0005	0.4928	8.5056	-0.2786	12.02	-26.9512	-45.7392	-0.3010	9.75
	4	7	-7.5012	0.0002	0.0141	-0.0379			-0.5547	5.9758		
		6	-7.5012	0.0002	0.0141	0.2438	-0.0080	12.01	-0.5547	-5.1188	-0.0038	4.95
10	1	8	-36.1318	-0.0000	0.2848	0.0000			-2.6481	-0.0000		
		7	-35.5767	-0.0000	0.2838	3.4122	-0.0513	6.92	-2.6487	-31.7810	0.1029	6.93
	2	8	-30.1793	0.0000	0.2381	-0.0000			-1.6209	-0.0002		
		7	-29.7035	0.0000	0.2374	2.8529	-0.0429	6.92	-1.6219	-19.4574	0.0630	6.93
	3	8	-25.1908	0.0000	0.1931	-0.0000			-1.3927	-0.0001		
		7	-24.7943	0.0000	0.1926	2.3142	-0.0348	6.92	-1.3933	-16.7159	0.0541	6.93
	4	8	0.5503	-0.0000	0.0041	-0.0000			0.4980	-0.0000		
		7	0.5503	-0.0000	0.0041	0.0489	-0.0007	6.93	0.4980	5.9759	-0.0193	6.93
11	1	2	0.4750	0.0009	-0.0336	-1.3152			0.3900	2.8539	3.9400	5.57
		7	0.4750	0.0009	-0.0336	-1.9863	0.1228	10.34	-1.0106	-3.3516	-0.0108	8.50
	2	2	0.4073	0.0006	-0.0178	-1.2346			0.3389	2.4049	3.3618	5.65
		7	0.4073	0.0006	-0.0178	-1.5899	0.1050	10.21	-0.8616	-2.8216	-0.0093	8.53
	3	2	0.3428	0.0005	-0.0187	-1.0015			0.2883	1.9452	2.7762	5.76
		7	0.3428	0.0005	-0.0187	-1.3751	0.0883	10.26	-0.7121	-2.2923	-0.0077	8.57
	4	2	0.0103	0.0001	-0.0004	-0.0306			-0.0049	0.0492		
		7	0.0103	0.0001	-0.0004	-0.0378	0.0025	10.17	-0.0049	-0.0489		
12	1	3	-0.4626	0.0035	0.9607	-4.6331			0.7163	-2.5336	1.1297	10.23
		6	-0.4626	0.0035	0.9607	14.5814	-0.4023	12.58	-0.6843	-2.2135	-0.0026	10.24
	2	3	-0.3999	0.0030	0.8310	-4.0565			0.6028	-2.2198	0.8075	10.04
		6	-0.4000	0.0030	0.8310	12.5644	-0.3446	12.60	-0.5977	-2.1679	-0.0016	10.05
	3	3	-0.3397	0.0025	0.6955	-3.3765			0.5024	-1.8502	0.6732	10.04
		6	-0.3398	0.0025	0.6955	10.5339	-0.2897	12.59	-0.4980	-1.8056	-0.0014	10.06
	4	3	-0.0130	-0.0002	0.0202	-0.0989			0.0366	-0.0816		
		6	-0.0130	-0.0002	0.0202	0.3048	-0.0083	12.60	0.0366	0.6513	-0.0011	11.91

2 NODE PRISMATIC BEAM ELEMENT -- ELEMENT REPORTS												
SIGN CONVENTION : BEAM DESIGNERS												
ELEM NO	LOAD COMB	NODE NO	AXIAL	TORSION	SHEAR X	MOMENT Y	MAX MOM/DEFL	DIST	SHEAR Y	MOMENT X	MAX MOM/DEFL	DIST
13	1	6	9.2613	-4.9914	0.2514	26.4991			2.1301	-8.7304		
		9	9.2628	-4.9914	0.2515	27.7564	-0.1260	2.51	1.7800	1.0449	0.0009	2.00
	2	6	7.8633	-4.5896	0.1820	22.6615			1.9289	-8.0718		
		9	7.8643	-4.5896	0.1820	23.5715	-0.1073	2.51	1.6288	0.8224	0.0008	2.02
	3	6	6.5709	-3.8061	0.1273	19.0654			1.5989	-6.7999		
		9	6.5716	-3.8061	0.1273	19.7021	-0.0900	2.51	1.3488	0.5691	0.0007	2.04
	4	6	0.1831	0.6358	0.0001	0.5488			-0.2119	1.0570		
		9	0.1831	0.6358	0.0001	0.5493	-0.0025	2.50	-0.2119	-0.0027	-0.0001	2.11
14	1	9	0.4344	-0.0000	-9.2654	27.7965			1.7305	-4.8767		
		10	0.4260	-0.0000	-9.2656	0.0000	-0.0238	1.27	1.5206	-0.0001	0.0002	1.26
	2	9	0.3236	0.0000	-7.8669	23.6010			1.5936	-4.5108		
		10	0.3170	0.0000	-7.8670	-0.0000	-0.0202	1.27	1.4137	0.0001	0.0002	1.26
	3	9	0.2249	0.0000	-6.5736	19.7209			1.3252	-3.7506		
		10	0.2203	0.0000	-6.5736	0.0000	-0.0169	1.27	1.1752	0.0001	0.0001	1.26
	4	9	0.0012	0.0000	-0.1831	0.5493			-0.2119	0.6357		
		10	0.0012	0.0000	-0.1831	-0.0000	-0.0005	1.27	-0.2119	0.0000		

2 NODE STRUT ELEMENT -- ELEMENT REPORTS									
SIGN CONVENTION : BEAM DESIGNERS									
ELEM NO	LOAD COMB	NODE NO	AXIAL	SHEAR X	MAX MOMENT Y	DIST	SHEAR Y	MAX MOMENT X	DIST
Units:			K	K	K -Ft	Ft	K	K -Ft	Ft
REPORT TYPE : Max Forces Full									
ELEMENT LIST : 4-7									
4	1	1	-0.0224	-0.0000			0.0374	0.2182	11.66
		3	0.0224	0.0000			-0.0374		
	2	1	9.7827	-0.0000			0.0321	0.1871	11.66
		3	9.8212	0.0000			-0.0321		
	3	1	7.4560	-0.0000			0.0267	0.1559	11.66
		3	7.4881	0.0000			-0.0267		
	4	1	8.1738	0.0000			0.0000		
		3	8.1738	0.0000			0.0000		
5	1	2	0.8767	0.0000			0.0374	0.2182	11.66
		4	0.8318	-0.0000			-0.0374		
	2	2	0.0193	0.0000			0.0321	0.1869	11.66
		4	-0.0193	-0.0000			-0.0321		
	3	2	0.0160	0.0000			0.0267	0.1558	11.66
		4	-0.0160	-0.0000			-0.0267		
	4	2	-0.0000	0.0000			0.0000		
		4	-0.0000	0.0000			0.0000		

2 NODE STRUT ELEMENT -- ELEMENT REPORTS									
SIGN CONVENTION : BEAM DESIGNERS									
ELEM NO	LOAD COMB	NODE NO	AXIAL	SHEAR X	MAX MOMENT Y	DIST	SHEAR Y	MAX MOMENT X	DIST
6	1	7	0.0225	0.0000			0.0374	0.2181	11.66
		5	-0.0225	-0.0000			-0.0374		
	2	7	0.0193	0.0000			0.0321	0.1869	11.66
		5	-0.0193	-0.0000			-0.0321		
	3	7	0.0160	0.0000			0.0267	0.1558	11.66
		5	-0.0160	-0.0000			-0.0267		
	4	7	-0.0000	0.0000			0.0000		
		5	-0.0000	0.0000			0.0000		
7	1	8	10.5431	-0.0000			0.0374	0.2183	11.66
		6	10.5879	0.0000			-0.0374		
	2	8	19.7085	-0.0000			0.0321	0.1871	11.67
		6	19.7470	0.0000			-0.0321		
	3	8	15.7335	-0.0000			0.0267	0.1559	11.67
		6	15.7655	0.0000			-0.0267		
	4	8	8.3881	0.0000			0.0000		
		6	8.3881	0.0000			0.0000		

2 NODE CABLE ELEMENT -- ELEMENT REPORTS							
COORDINATE SYSTEM : GLOBAL							
ELEM NO	LOAD COMB	NODE NO	FORCE X	FORCE Y	FORCE Z	TENSION	
Units:			K	K	K	K	
REPORT TYPE : Max Forces Full							
ELEMENT LIST : 15							
15	1	10	-9.2735	-12.4696	-0.0729	15.5400	
		11	9.2735	12.5626	0.0729	15.6148	
	2	10	-7.8720	-10.5797	-0.0529	13.1872	
		11	7.8720	10.6595	0.0529	13.2512	
	3	10	-6.5765	-8.8209	-0.0368	11.0028	
		11	6.5765	8.8874	0.0368	11.0561	
	4	10	-0.1831	-0.2119	-0.0000	0.2801	
		11	0.1831	0.2784	0.0000	0.3332	

R E A C T I O N S							
(* Indicates Reactions Occur in Nodal Local System)							
NODE NO	LOAD COMB	PX	PY	PZ	MX	MY	MZ
Units:							
		K	K	K	K -Ft	K -Ft	K -Ft
1	1	3.4843	37.2963	-0.1785	0.0000	0.0000	0.0000
	2	-6.1049	25.6974	-0.1524	0.0000	0.0000	0.0000
	3	-4.4545	21.8276	-0.1300	0.0000	0.0000	0.0000
	4	-7.5040	-4.7930	-0.0039	0.0000	0.0000	0.0000
4	1	-2.5571	36.4952	0.1654	0.0000	0.0000	0.0000
	2	-3.4818	37.5460	0.1448	0.0000	0.0000	0.0000

R E A C T I O N S							
(* Indicates Reactions Occur in Nodal Local System)							
NODE NO	LOAD COMB	PX	PY	PZ	MX	MY	MZ
	3	-2.8686	30.8811	0.1267	0.0000	0.0000	0.0000
	4	-0.4761	4.8248	0.0066	0.0000	0.0000	0.0000
5	1	-3.8287	45.7304	0.1529	0.0000	0.0000	0.0000
	2	-3.8473	45.5871	0.1355	0.0000	0.0000	0.0000
	3	-3.1794	37.5839	0.1210	0.0000	0.0000	0.0000
	4	-0.5108	4.6202	0.0012	0.0000	0.0000	0.0000
8	1	-6.3718	30.7403	-0.2125	0.0000	0.0000	0.0000
	2	-15.2380	20.0742	-0.1803	0.0000	0.0000	0.0000
	3	-12.0740	17.1234	-0.1542	0.0000	0.0000	0.0000
	4	-7.6922	-4.8639	-0.0039	0.0000	0.0000	0.0000
11	1	9.2735	12.5626	0.0729	0.0000	0.0000	0.0000
	2	7.8720	10.6595	0.0529	0.0000	0.0000	0.0000
	3	6.5765	8.8874	0.0368	0.0000	0.0000	0.0000
	4	0.1831	0.2784	0.0000	0.0000	0.0000	0.0000

R E A C T I O N S U M M A R Y						
LOAD COMB	S U M O F A P P L I E D L O A D S			S U M O F R E A C T I O N S		
	PX	PY	PZ	PX	PY	PZ
Units:	K	K	K	K	K	K
1	-0.0000	-162.8248	-0.0000	0.0001	162.8248	0.0002
2	20.8000	-139.5641	0.0000	-20.8000	139.5641	0.0004
3	16.0000	-116.3034	0.0000	-16.0000	116.3034	0.0002
4	16.0000	-0.0664	0.0000	-16.0000	0.0664	-0.0000