

**Moments and Shears on Overhead Truss Due to Wind Loads**

Span feet	Wind Load on Truss		Wind Load on Base		Wind Load on Signs		P1 Left Sign P2 Center Sign P3 Right Sign
	Section 1	Section 2	(k/ft)	(kips)	Load (kips)	Dist. from Left (feet)	
63.00	0.00	0.00	3.87	30.88	4.15	47.73	
	0.00	0.00	0.00	0.00	0.00	0.00	

Total Uniform Load =	0.00 k/ft	Total Load =	11.33 kips
Left Reaction	4.73 kips	Right Reaction	6.61 kips

**Moments and Shears**

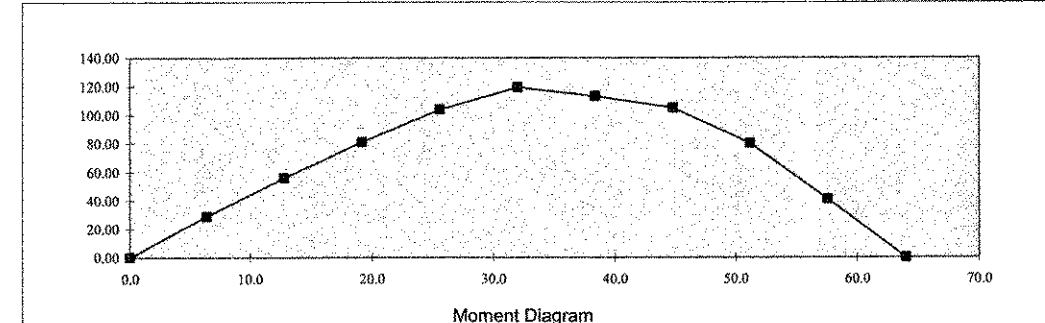
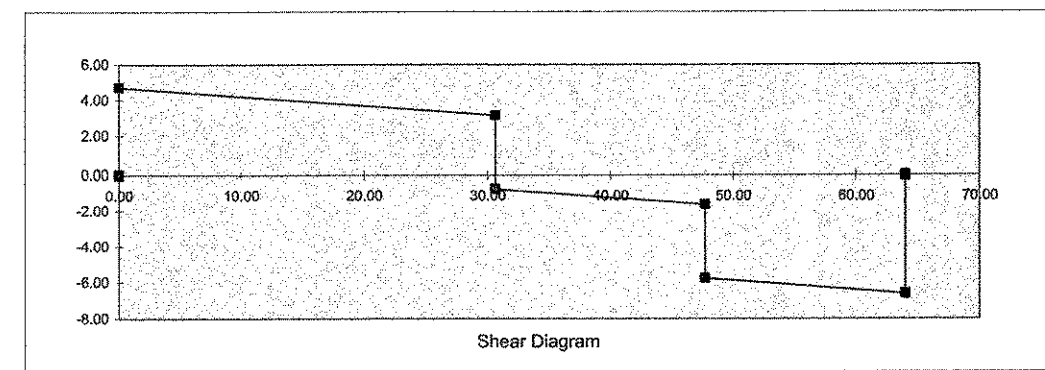
XL	Distance	P1 dist.	P2 dist.	P3 dist.	Moment
0.0	0.0	0	0	0	0.00
0.1	6.4	0	0	8.387	28.17
0.2	12.8	0	0	12.794	56.33
0.3	19.2	0	0	19.191	81.17
0.4	25.6	0	0	25.588	103.69
0.5	32.0	1.325	0	31.985	119.88
0.6	38.4	7.722	0	38.382	113.38
0.7	44.8	14.119	0	44.779	105.04
0.8	51.2	20.516	3.448	51.176	83.31
0.9	57.6	26.913	9.845	57.573	41.21
1.0	64.0	33.31	16.24	63.97	0.00

Values for Shear Diagram	
0.00	0.00
0.00	4.73
0.08	0.14
0.08	30.66
0.08	-1.62
0.08	-5.77
0.08	47.73
0.08	-1.62
0.08	64.0
0.08	0.00

Shear at Point Loads	Shear		Max or Min	
	Left	Right	Left	Right
At Left Reaction	0.00	4.73	4.73	4.73
At Point P1	100.88	3.14	-3.14	3.14
At Point P2	100.49	-1.62	-5.77	-5.77
At Point P3	0.00	-3.30	-3.30	-3.30
At Right Reaction	0.00	-6.61	-6.61	-6.61

**Forces at Field Splices and Mid-Span**

Left Side		Right Side		Mid-Span	
Location	81.99/feet	Location	83.97/feet	Location	31.99/feet
Left Reaction	4.73 kips	Left Reaction	4.73 kips	Left Reaction	4.73 kips
Point Load 1	3.87 kips	Point Load 1	3.87 kips	Point Load 1	3.87 kips
Point Load 2	0.00 kips	Point Load 2	4.15 kips	Point Load 2	0.00 kips
Point Load 3	0.00 kips	Point Load 3	0.00 kips	Point Load 3	0.00 kips
Uniform Load	0.00 kips per foot	Uniform Load	0.00 kips per foot	Uniform Load	0.00 kips per foot
Shear at splice	-0.60 kips	Shear at splice	-6.61 kips	Shear at Mid-Span	-0.80 kips
Moment at splice	119.56 kips-feet	Moment at splice	-0.00 kips-feet	Moment at Mid-Span	119.56 kips-feet



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