

ANALYSIS OF VALMONT INDUSTRIES LIGHTING STRUCTURE
IN ACCORDANCE WITH AASHTO-1994 RQMTS. (FINAL DEFLECTED POSITION)
BY MLS 03/31/2010 VERSION Fuse 1.9.0.363

SUBJECT: MASSACHUSETTS, 35' MAST ARM (WORST CASE LOAD)

FOLDER: MATR335 FILE: 35

FORCES AND MOMENTS WITH WIND ACTING PERPENDICULAR TO EACH ARM
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ARM TYPE	ARM NO.	ANALYSIS LOCATION	GROUP LOAD NO.	FORCES (LBS)			MOMENTS (FT-LBS)		
				AXIAL	FY	FZ	TORSION	MY	MZ
SIGNAL 1	1	BASE	1	22	0	829	0	17816	0
SIGNAL 1	1	BASE	2	189	1884	782	1	16421	49926
SIGNAL 1	1	BASE	3	98	1023	1212	1	26334	26413