

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, 20' MAST ARM (WORST CASE LOAD)

FOLDER: MATR335 FILE: 20

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	TORSTON	MY	MZ
SIGNAL 1		BASE	1	8	0	334	0	3959	0
SIGNAL 1		BASE	2	107	1051	280	0	3221	14090
SIGNAL 1		BASE	3	44	532	502	0	6061	7156