

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, 30' MAST ARM

FOLDER: MATR335 FILE: 30

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		BASE	1	11	0	610	0	11090	0
SIGNAL 1		BASE	2	134	1662	574	1	10125	40457
SIGNAL 1		BASE	3	60	873	927	1	17472	20949