

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

STRESSES WITH WIND ACTING PERPENDICULAR TO EACH ARM
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ANAL. LOCATION			GROUP LOAD	COMB. STR.	APPLIED STRESS (KSI)			ALLOW. STRESS (KSI)		
ARM	ARM				=====			=====		
TYPE	NO.	SITE	NO.	RATIO	AXIAL	BEND.	SHEAR	AXIAL	BEND.	SHEAR
SIG	1	BASE	1	0.34	0.00	12.16	0.25	33.00	36.30	18.15
SIG	1	BASE	2	0.90	0.03	45.74	0.71	33.00	50.82	25.41
SIG	1	BASE	3	0.59	0.01	29.90	0.51	33.00	50.82	25.41