

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

STRESSES WITH WIND ACTING PERPENDICULAR TO EACH ARM

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	0.43	0.00	15.76	0.30	33.00	36.30	18.15
SIG	1	BASE	2	0.92	0.03	46.49	0.74	33.00	50.82	25.41
SIG	1	BASE	3	0.65	0.02	32.97	0.57	33.00	50.82	25.41