

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, 25' MAST ARM (WORST CASE LOAD)

FOLDER: MATR335 FILE: 25 GUST FACTOR: 1.30

ELEVATION OF FOUNDATION ABOVE SURROUNDING TERRAIN = 0.0 (FT)  
STEPS INCLUDED ? NO

WIND VELOCITY = 90 MPH CRITERIA: AASHTO-1994  
AASHTO ICE INCLUDED ? YES

DESCRIPTION OF SIGNAL AND SIGN LOADING \*  
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POSITION OF SIGNAL OR SIGN	HEIGHT ** OF CENTROID (FT)	DISTANCE TO CENT. FROM POLE (FT)	SIGNAL OR SIGN WEIGHT (LBS)	SIGNAL PROJECTED AREA (FT^2)	SIGN WIDTH (FT)	SIGN HEIGHT (FT)
ARM 1	SIGNAL	20.00	25.00	74	8.67	
ARM 1	SIGNAL	20.00	23.00	5	0.50	
ARM 1	SIGNAL	20.00	21.00	5	0.50	
ARM 1	SIGNAL	20.00	16.00	74	8.67	
POLE	SIGNAL	15.00	0.00	74	8.67	
POLE	SIGNAL	11.00	0.00	80	8.00	

\* THE VALUES SHOWN IN THIS TABLE MUST NOT BE EXCEEDED  
WITHOUT CONSULTING VALMONT. ANY SIZES OR OTHER  
DIMENSIONS NOT PROVIDED BY THE SPECIFYING AGENCY  
HAVE BEEN ESTIMATED BY VALMONT.  
\*\* THESE HEIGHTS ARE ABOVE BOTTOM OF BASE PLATE OR  
TRANSFORMER BASE.