

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 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 *

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	30.00	110	13.72	
ARM 1	SIGN	20.00	29.00	15	3.00	2.50
ARM 1	SIGNAL	20.00	27.00	5	0.50	
ARM 1	SIGNAL	20.00	25.00	5	0.50	
ARM 1	SIGNAL	20.00	23.00	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.