

ANALYSIS OF VALMONT INDUSTRIES LIGHTING STRUCTURE
IN ACCORDANCE WITH AASHTO-2009 RQMTS. (FINAL DEFLECTED POSITION)
BY BNS 5/12/2014 VERSION Fuse 1.10.0.540 32-bit

SUBJECT: VERMONT, 42' MAST ARM & 16' LUM ARM

FOLDER: VTTRAF FILE: 4216

GROUP IV FATIGUE ANALYSIS OF ARMS:

ANAL. LOCATION			BENDING	SHEAR
ARM	ARM	LOAD CASE	MOMENT	FORCE
TYPE NO.	SITE	=====	(FT-LBS)	(LBS)
SIG 1	BASE	NATURAL WIND GUST	9272	316
SIG 1	BASE	TRUCK-INDUCED GUST	4751	181