

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 ANALYSIS OF POLE:

SECTION HEIGHT* (FT)	LOAD CASE	AXIAL (LBS)	BENDING (FT-LBS)
0.0	NATURAL WIND GUST	N/A	8791
0.0	TRUCK GUST	N/A	4835

GROUP IV ANALYSIS OF POLE:

SECTION HEIGHT* (FT)	LOAD CASE	STRESS RATIO	STRESS CATEGORY	STRESS BENDING (KSI)
0.0	NATURAL WIND GUST	0.77	E	3.45
0.0	TRUCK GUST	0.43	E	1.92

* THESE HEIGHTS ARE ABOVE THE POLE BASE PLATE.