

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

FOLDER: VTTRAF FILE: 4216

FORCES AND MOMENTS WITH WIND ACTING PERPENDICULAR TO EACH ARM

ARM TYPE	ARM NO.	ANALYSIS LOCATION	GROUP LOAD NO.	FORCES (LBS)			MOMENTS (FT-LBS)		
				AXIAL	FY	FZ	TORSION	MY	MZ
SIGNAL	1	BASE	1	41	0	1193	0	28116	0
SIGNAL	1	BASE	2	109	1210	1172	320	27377	39749
SIGNAL	1	BASE	3	160	863	1986	179	52703	24887
LUMIN.	1	TOP BASE	1	810	0	10	0	59	0
LUMIN.	1	TOP BASE	2	815	121	9	4	59	936
LUMIN.	1	TOP BASE	3	1336	93	21	5	108	722
LUMIN.	1	BOT BASE	1	855	0	5	0	49	0
LUMIN.	1	BOT BASE	2	848	66	5	62	50	755
LUMIN.	1	BOT BASE	3	1394	23	14	52	96	526