

SUBJECT: MASSACHUSETTS, 35' MAST ARM (WORST CASE LOAD)

FOLDER: MATR335 FILE: 35

SIGNAL AND SIGN ARM 1		ARM 1 SECTIONS	
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SHAPE	= Round	BASE SECTION	
SPAN LENGTH	= 35.00 FT	THICKNESS	= 0.1793 IN
BASE O.D.	= 10.00 IN	LENGTH	= 35.00 FT
TAPER	= 0.14 IN/FT	YIELD STRENGTH	= 55 KSI
ATTACH. HT. *	= 20.00 FT		
ORIENTATION **	= 0 DEGREES		
SLOPE AT BASE	= 0 DEGREES		
CENTROID LOCATION			
HORIZONTAL	= 15.61 FT		
ABOVE ATTACH.	= 0.00 FT		
UNBENT LENGTH	= 35.00 FT		
MATERIAL-BASE	= S105 - 55 ksi		
WEIGHT	= 516 LBS		

* THIS IS HEIGHT OF ATTACHMENT TO POLE ABOVE BOTTOM OF
BASE PLATE OR TRANSFORMER BASE. SEE *** BELOW.
** ARM ORIENTATIONS ARE ANGLES FROM +X AXIS IN X-Y PLANE.
X AND Y AXIES ARE PERPENDICULAR/PARALLEL TO SIDES OF
POLE BASE PLATE. SEE *** BELOW.
*** IF ARM IS ATTACHED WITH A CLAMP, HEIGHT AND
ORIENTATION MUST NOT BE CHANGED FROM VALUES SHOWN
ABOVE WITHOUT CONSULTING VALMONT.