

SUBJECT: MASSACHUSETTS, 25' MAST ARM (WORST CASE LOAD)

FOLDER: MATR335 FILE: 25

SIGNAL AND SIGN ARM 1

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SHAPE	= Round
SPAN LENGTH	= 25.00 FT
BASE O.D.	= 7.00 IN
TAPER	= 0.14 IN/FT
ATTACH. HT. *	= 20.00 FT
ORIENTATION **	= 0 DEGREES
SLOPE AT BASE	= 0 DEGREES
CENTROID LOCATION	
HORIZONTAL	= 11.11 FT
ABOVE ATTACH.	= 0.00 FT
UNBENT LENGTH	= 25.00 FT
MATERIAL-BASE	= S105 - 55 ksi
WEIGHT	= 254 LBS

ARM 1 SECTIONS

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BASE SECTION	
THICKNESS	= 0.1793 IN
LENGTH	= 25.00 FT
YIELD STRENGTH	= 55 KSI

* 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.