

SUBJECT: MASSACHUSETTS, 20' MAST ARM (WORST CASE LOAD)

FOLDER: MATR335 FILE: 20

SIGNAL AND SIGN ARM 1

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SHAPE	= Round
SPAN LENGTH	= 20.00 FT
BASE O.D.	= 6.00 IN
TAPER	= 0.14 IN/FT
ATTACH. HT. *	= 20.00 FT
ORIENTATION **	= 0 DEGREES
SLOPE AT BASE	= 0 DEGREES
CENTROID LOCATION	
HORIZONTAL	= 8.99 FT
ABOVE ATTACH.	= 0.00 FT
UNBENT LENGTH	= 20.00 FT
MATERIAL-BASE	= S105 - 55 ksi
WEIGHT	= 177 LBS

ARM 1 SECTIONS

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BASE SECTION	
THICKNESS	= 0.1793 IN
LENGTH	= 20.00 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.