

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

FOLDER: VTTRAF FILE: 4216

LUMINAIRE ARM 1 ( )

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SPAN LENGTH	=	16.00 FT
ORIENTATION **	=	0 DEGREES
TOP MEMBER		
SHAPE = ROUND		
BASE O.D.	=	2.38 IN
OUTER END O.D.	=	2.38 IN
THICKNESS	=	0.1540 IN
ATTACH. HT. *	=	26.50 FT
RISE	=	3.50 FT
SLOPE AT BASE	=	23.0 DEGREES
CENTROID LOCATION		
HORIZONTAL	=	7.90 FT
VERTICAL	=	2.25 FT
SPAN TO JOINT	=	10.86 FT
YIELD STRENGTH	=	36 KSI
UNBENT LENGTH	=	16.48 FT
UNBENT LENGTH		
TO JOINT	=	10.86 FT

BOTTOM MEMBER  
SHAPE = ROUND

DIAMETER	=	2.38 IN
THICKNESS	=	0.1540 IN
ATTACH. HT. *	=	24.25 FT
CENTROID LOCATION		
HORIZONTAL	=	5.00 FT
VERTICAL	=	3.02 FT
YIELD STRENGTH	=	36 KSI
UNBENT LENGTH	=	12.07 FT
MATERIAL	=	S109 - 36 ksi
WEIGHT	=	105 LBS

\* THESE HEIGHTS ARE ABOVE BOTTOM OF BASE PLATE OR TRANSFORMER BASE.

+ ELLIPTICAL CROSS SECTION; FIRST DIAMETER IS HORIZONTAL.

\*\* 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.