NOTES
1. SEAL FEEDPOINT TERMINATIONS WITH COAX-SEAL.
2. RECOMMENDED COAX ROUTING FOR MINIMUM PATTERN DISTORTION AND OPTIMUM FEEDPOINT IMPEDANCE.
3. MATERIALS LIST ON SHEET 2 OF 5.
4. FOR A 2-ELEMENT ARRAY, USE VERTICAL DIPLOLES 3 & 4.
NOTES
1. SEAL COAX EXPOSED COAX ENDS WITH COAX-SEAL (DETAIL-B).
2. DROP ARRAY DOWN APPROXIMATELY 10 INCHES FROM TOP GUY RING TO AVOID GUY LINE INTERFERENCE.
2-METER VERTICAL DIPOLE ARRAY
FIBERGLASS MAST GUYING PLAN

DESIGN: KG4JJH
11/15/05

TESTED: KG4JJH

KG4JJH

SCALE: NONE
SHEET 3 OF 4
REV. 0

ITEM | QTY | DESCRIPTION | SOURCE
---|---|---|---
1 | 1 | MAST, 44.5 FT., FIBERGLASS | www.ebay.com
2 | 3/50' | GUY LINE, BLACK, 3/16", DACRON | www.ebay.com
3 | 3 | STAKE, 18" | www.homedepot.com
4 | 9 | LINE TIGHTENER, TAUT-TIE | www.campmor.com
5 | 9 | SPRING SNAP, STAINLESS STEEL | www.homedepot.com
6 | 3 | GUY RING | www.ebay.com

NOTES:
1. DROP ARRAY DOWN APPROXIMATELY 10 INCHES FROM TOP GUY RING TO AVOID GUY LINES.

10" NOTE 1

44.5 FEET

120 DEGREES

45° RADIUS

PREVAILING WIND

ANTENNA & MAST

GUY LINE ASSEMBLY
3 EA 55 FT
3 EA 35 FT
3 EA 25 FT

ANTENNA & MAST
ELEVATION VIEW

ANTENNA & MAST
PLAN VIEW

GUY LINE

45°
1. STRAP COAX ALONG ANTENNA WITH CABLE TIES. SEAL TERMINATIONS WITH COAX-SEAL.

2. THE ALUMINUM TEE HAS ONLY ONE SET SCREW; COMBINE DIMENSIONS A & B TO MAKE ONE TUBE.

### Item List

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>4</td>
<td>SINGLE SOCKET TEE, ALUMINUM, KEE LITE L10-6</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>SQUARE FLANGE, ALUMINUM, KEE LITE L10-6</td>
</tr>
<tr>
<td>4</td>
<td>24&quot;</td>
<td>FIBERGLASS TUBE, 1-1/4&quot; OD</td>
</tr>
<tr>
<td>8</td>
<td>V-BOLT SADDLE CLAMP, 1/2&quot; TO 1-3/4&quot;, DEX-CAVS-1P</td>
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<tr>
<td>16</td>
<td>5/32 X 1-3/4&quot; SS, PAN HEAD MACH. SCREW, MCMASTER 91172A156</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>1&quot; LOCK NUT, SS, MCMASTER 9183TA007</td>
<td></td>
</tr>
</tbody>
</table>

### Source

- www.keelite.com/us/
- www.mgs4u.com
- www.dxengineering.com
- www.keelite.com/us/
- www.texastowers.com
- www.mcmaster.com

### Notes

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