

INSTALLATION INSTRUCTIONS SY3074 ABK & CCC SERIES ANTENNA

005175-1 ISS. 10

PARTS LIST (ABK & CCC-SERIES)			
ITEM	PART No.	DESCRIPTION	QTY
1	356287-()	SY3074-SF(*)SNM(ABK) ANTENNA ASSEMBLY	1
		SY3074-SF(*)SNM(CCC) ANTENNA ASSEMBLY	
2	451622	#115 CLAMP ASSEMBLY	4
3	450443	#1 CLAMP ASSEMBLY	2
4	254303-47.00	TUBE ALUM. - 1 1/2 DIA., 47" LG.	2
5	254306-48.00	PIPE ALUM. - 1 1/2 IPS SCH.40, 48" LG.	1
6	8003298	CABLE TIES	10
7	015768	WEATHERPROOFING KITS WPK-1	1

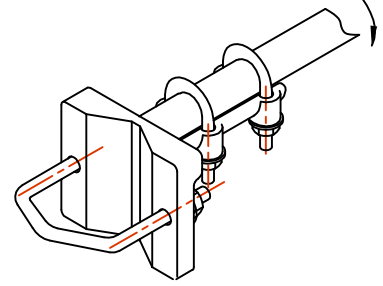
ANTENNA INSTALLATION GUIDELINES

1. Upon receipt of your antenna, please check the material against the parts list enclosed. If shortage or damage is apparent, notify the carrier immediately.
2. Inspect the antenna feed connector(s) to determine that it mates with the end of your transmission line. Do not remove any connector or cable from the antenna as they are all part of your antenna.
3. Verify that the frequency to which the antenna has been tuned is the frequency on which your radio system is to operate. This information is on the label which also shows the model and serial number of your antenna.
4. Assemble antenna including mounting clamps as shown on your assembly sheet. Tightening torques provided must be adhered to when assembling and installing your antenna. Drain holes in the mast base and/or radiating element must face downwards and remain unobstructed at all times.
5. Always protect the cable harness and radiating element from damage when moving, lifting or resting your antenna.
6. A check of the antenna VSWR is recommended prior to installation and measurements should be recorded for future reference.
7. After checking the VSWR of the antenna, mount the antenna to the tower and ensure that it is solidly grounded. Do not rely on the feed cable for ground return. Connect the station transmission line to the antenna making sure that the centre pin of both connectors are centred. Tighten both connectors firmly by hand. **Do not use pliers.** Carefully weatherproof the cable connection (Refer to Weatherproofing Instructions 005032, supplied with Weatherproofing Kit). Failure to weatherproof the cable connection will result in improper operation of your antenna. Properly secure the feed cable and antenna transmission line to the tower in the best position to avoid damage.
8. A careful visual check is recommended to insure that:
 - a) All mechanical connections are securely made.
 - b) The antenna is mounted on the proper ledge of the tower with sufficient physical clearance.
 - c) All connections have been carefully wrapped with weatherproofing material to prevent moisture problems.

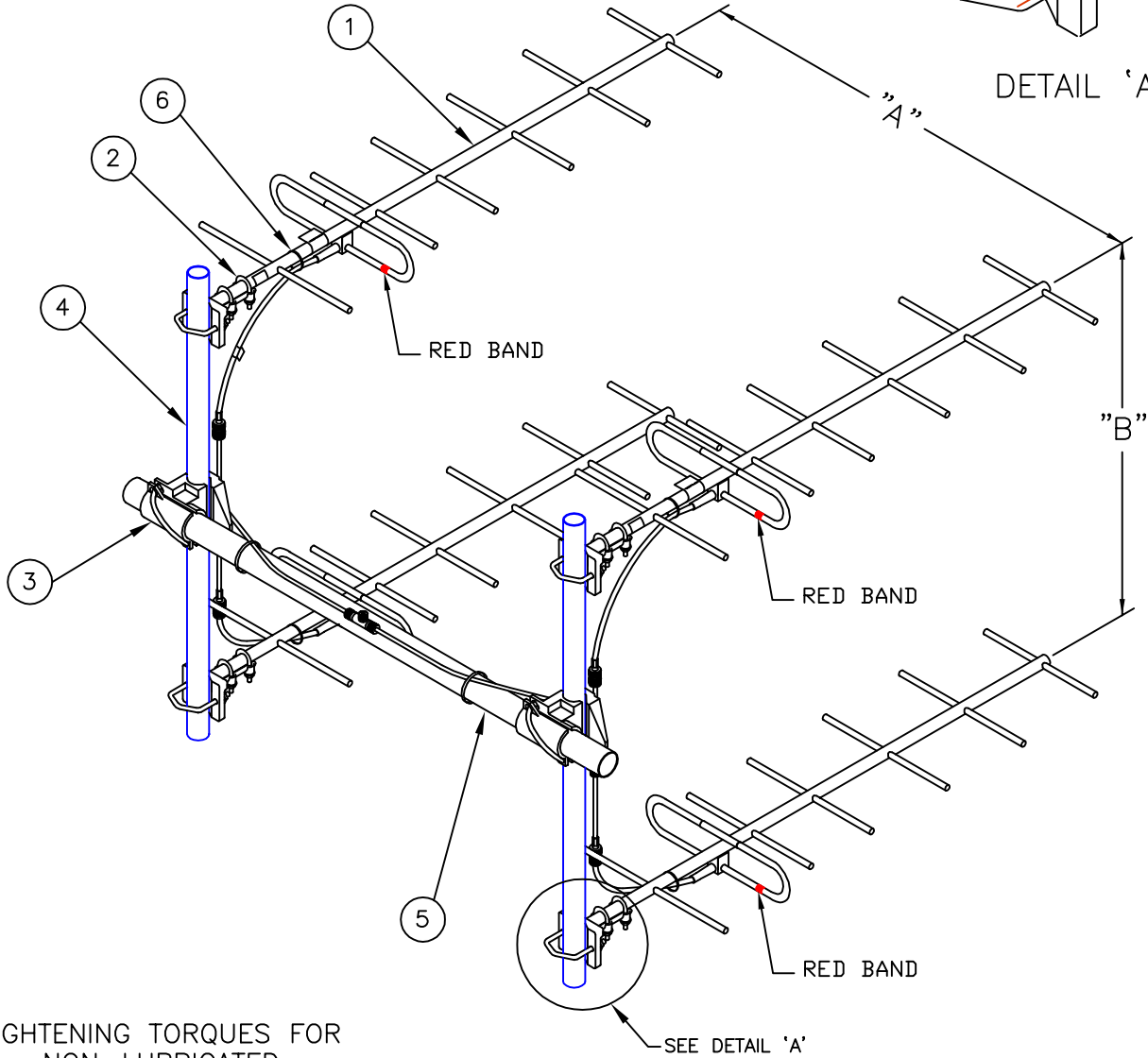


HORIZONTAL POLARIZATION

ROTATE TO SUIT POLARIZATION



DETAIL 'A'

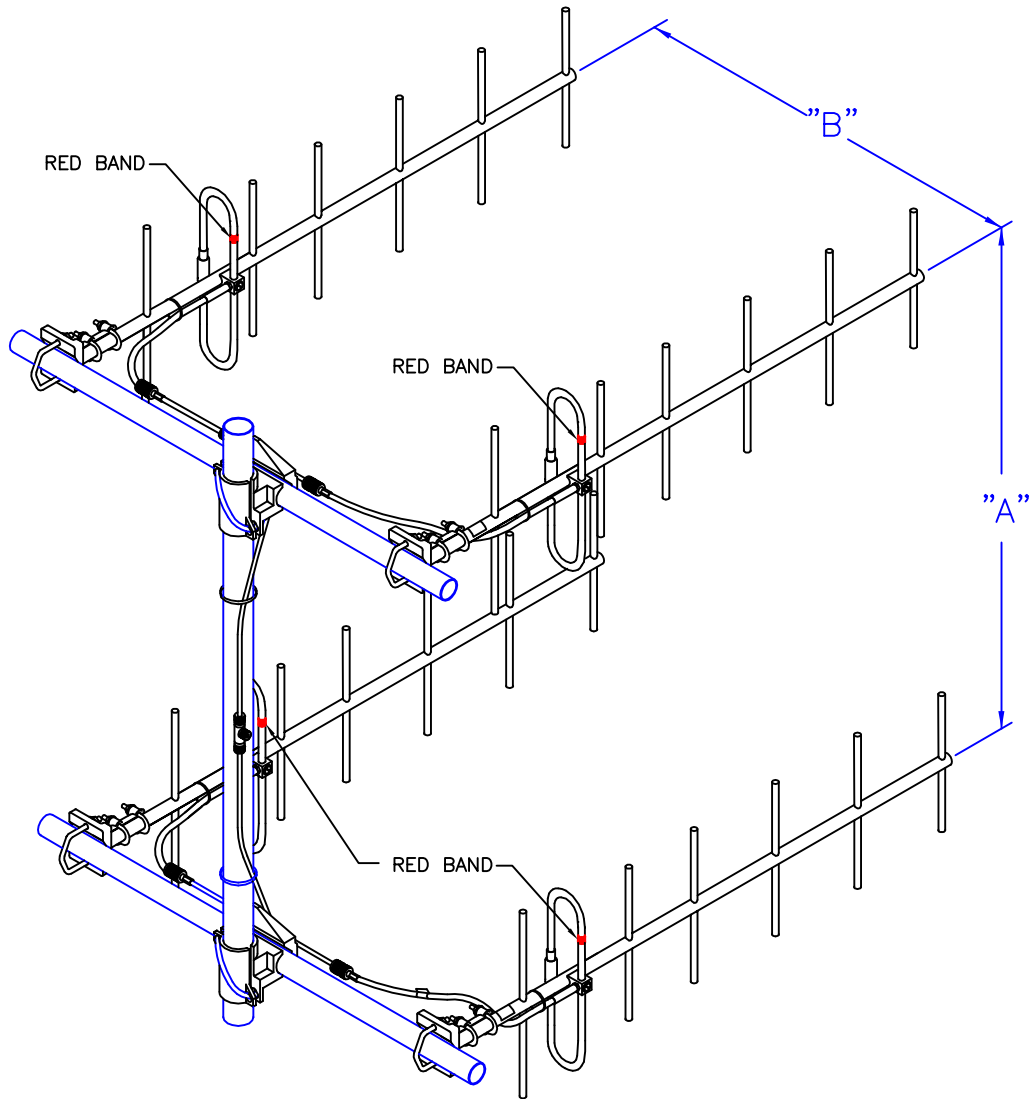


TIGHTENING TORQUES FOR NON-LUBRICATED STEEL BOLTS

BOLT SIZE	TORQUE
1/4-20	5 FT.LB.
5/16-18	11 FT.LB.
3/8-16	20 FT.LB.
1/2-13	40 FT.LB.
5/8-11	85 FT.LB.
3/4-10	110 FT.LB.

FREQ. MHz	"A" INCH	"B" INCH
403-430	35	31
430-450	33.5	29.5
450-470	32	28
470-490	31	27
490-512	30	26
340-360	41.75	37
360-380	41.25	36
380-400	37.75	33
440-460	32.75	29

VERTICAL POLARIZATION

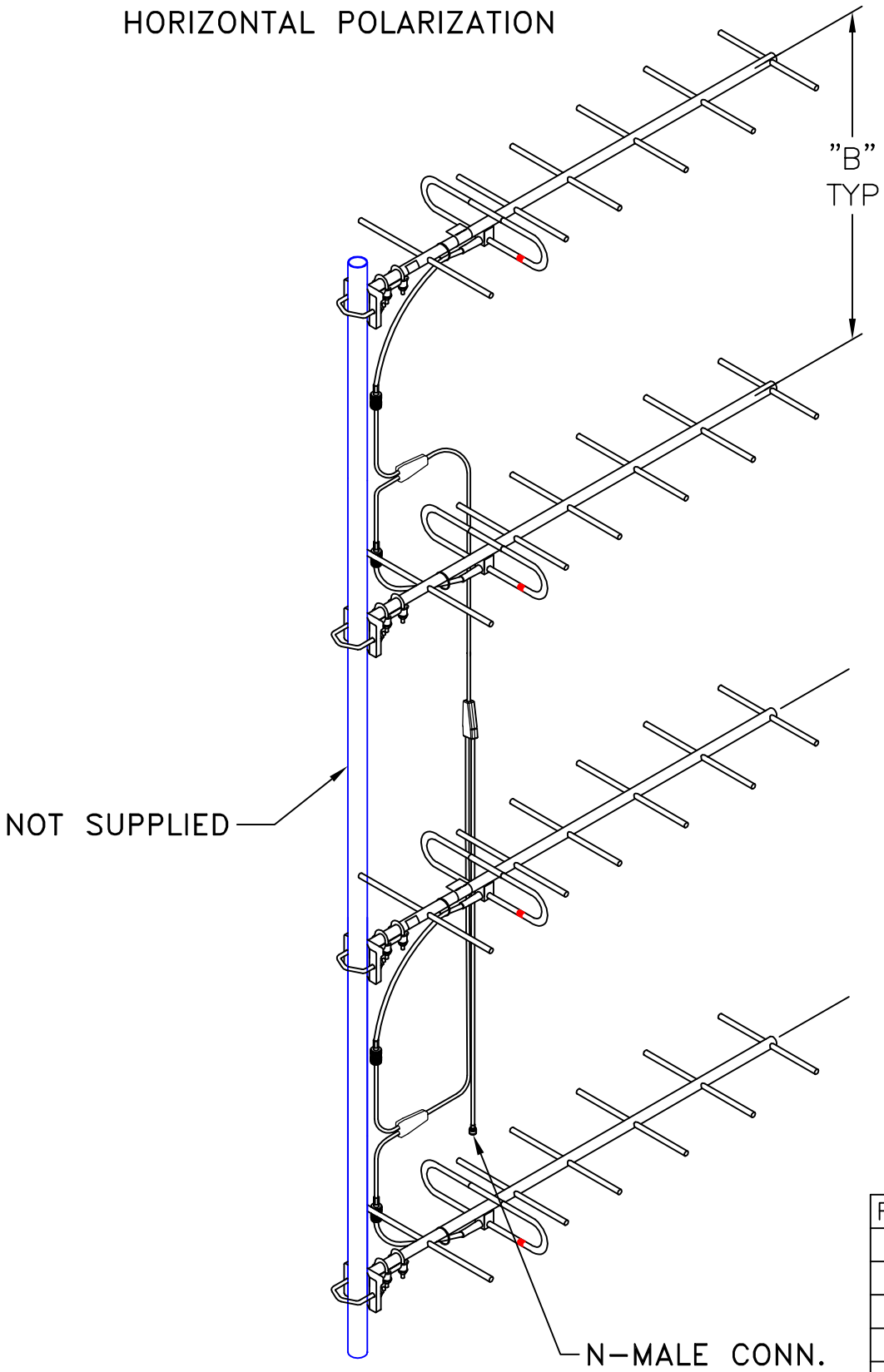


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