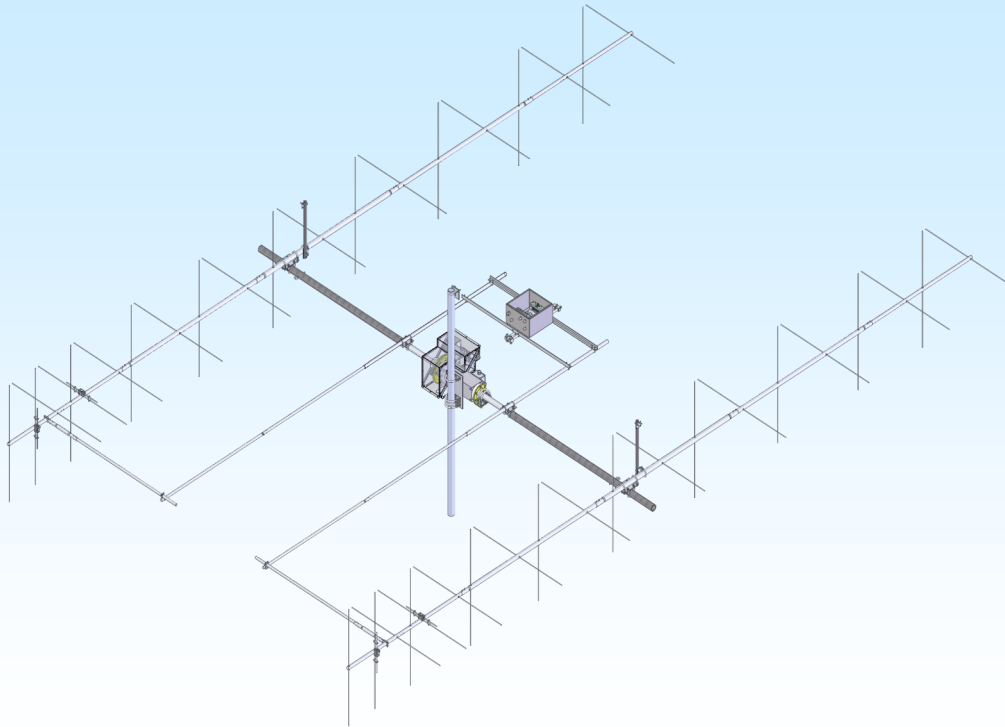




M2 Antenna Systems, Inc.

Model No: CB-LB13



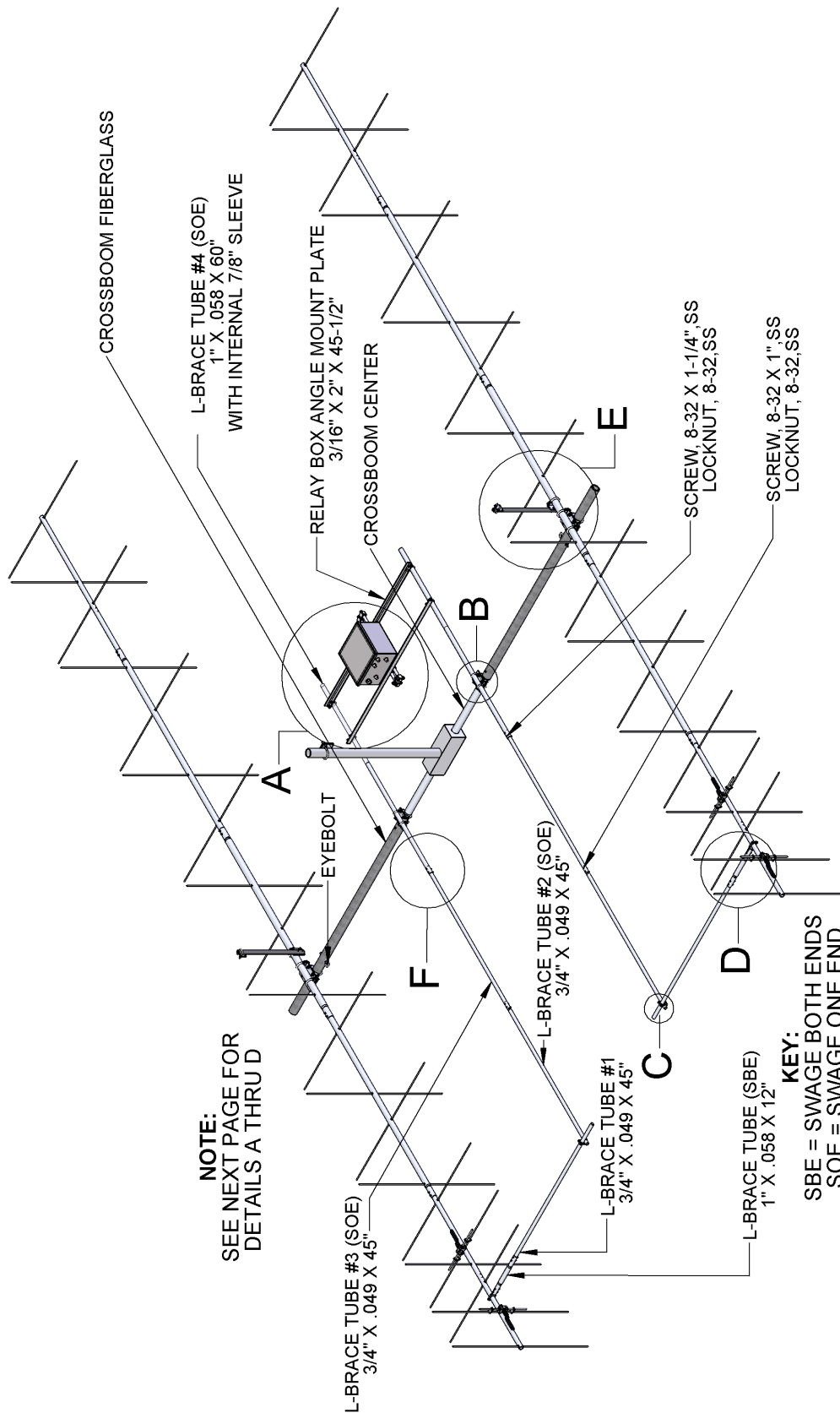
FEATURES:

You spoke & we listened. Many have discovered very successful EME is now possible with just two Yagis. Many have been buying two 2MXP20 & cobbling a crossboom together. We saw that and designed an optimized yet simple system to meet that need. The CB-LB13 allows for mounting of two (XPOL) horizontally polarized antennas, or two (CP) cross polarized Yagis or two circular polarized antennas, up to 13' apart. Our newest addition, the 2MXP22A is optimally accommodated.

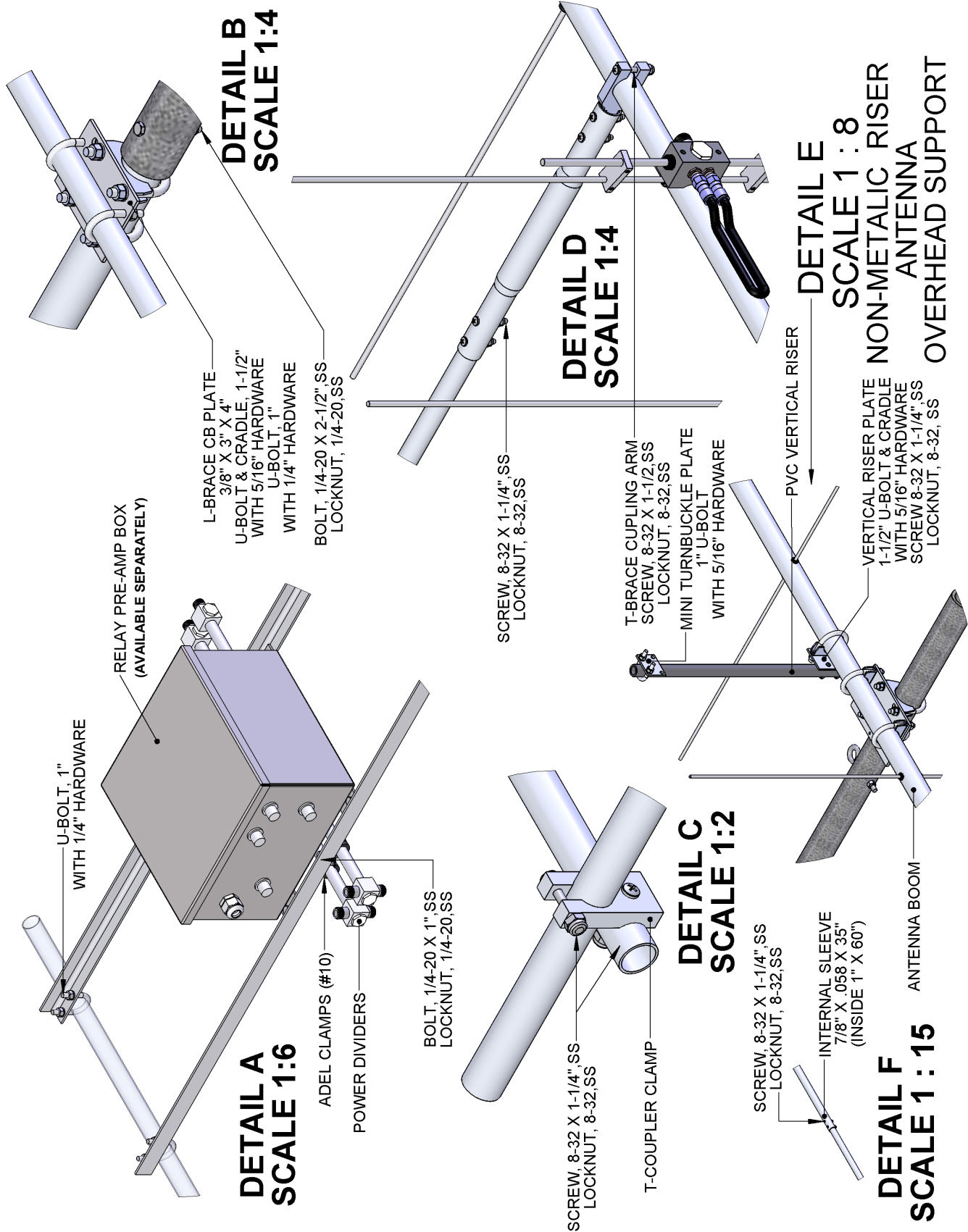
The fiber glass cross boom has been developed to work well with the Yeasu G-5500 and G-550. It allows solid clamping to the cross boom without crushing the fiberglass tubes. It consists of a solid aluminum center rod and 2.0 x 0.250 wall. Fiberglass tubes on each side of the center rod. The solid rod and Thick wall Fiber Glass tube gives the ability to secure the arrays for years of slip free service.

We have added a handy preamp / relay box mounting area by extending the "L" brace legs on either side. The placement of the relay box (available separately) is adjustable to allow weight balancing of the system. The power dividers mount underneath the relay box.

CB-LB13 ASSEMBLY OVERVIEW

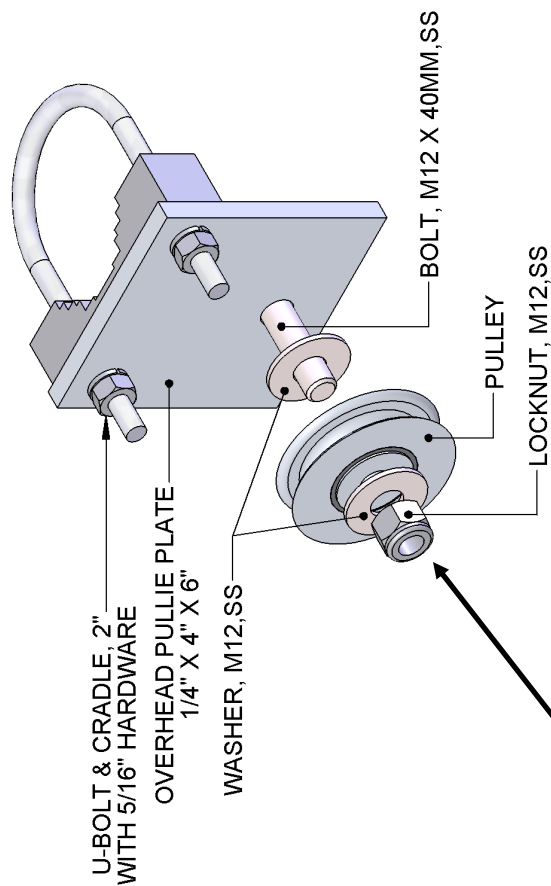


CB-LB13 ASSEMBLY DETAILS

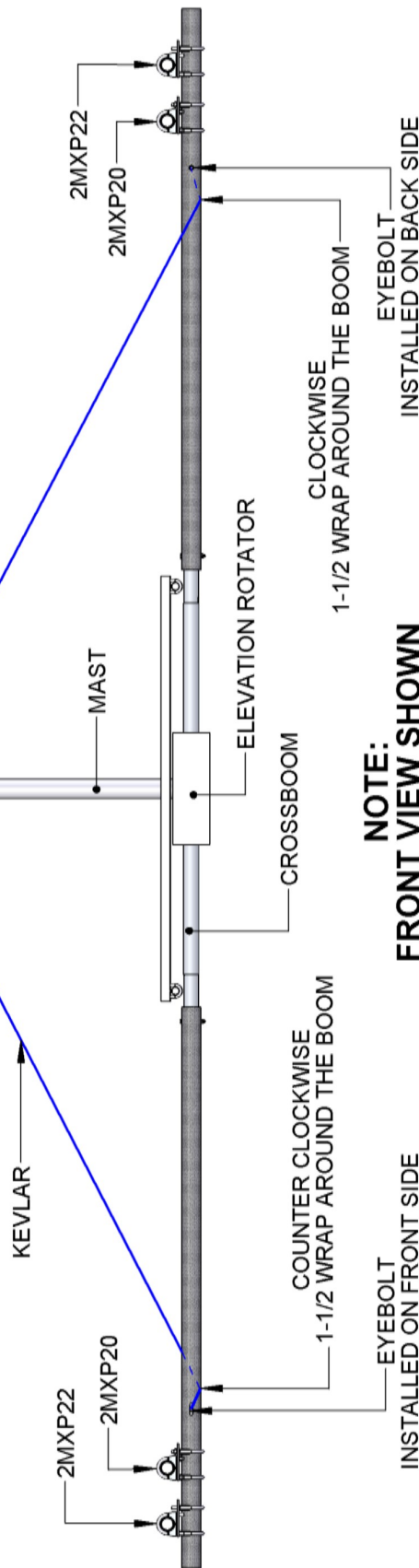


CB-LB13 OVERHEAD SUPPORT DETAIL

When using the MT-1000 this unique single overhead boom guying scheme was inspired by Jim Kennedy K6MIO/KH6. This system uses your original mast extending 3' or more over the boom. A single U-bolt, plate & pulley do all the rest. Eyebolts mount facing opposite sides of the crossboom. The cable runs from one eyebolt, wraps around the back side of the crossboom as it goes up over the pulley, comes back down, wraps around the front side of the crossboom and attaches to eyebolt on the other side. As the boom rotates a full 90° the cable unwinds from one side of the boom, but winds up on the other side. This always keeps the boom straight/level no matter what angle your array points! This system also works with the Yaesu G-5500 and separation kit & (YAESU SEP KIT G-5500)



NOTE:
ANTENNAS ELEMENTS & L-BRACE KITS
NOT SHOWN FOR CLARITY
DACRON



NOTE:
FRONT VIEW SHOWN

CB-LB13 PARTS & HARDWARE

DESCRIPTION	QTY
FIBERGLASS CROSSBOOM: 2" X .250 X 60"	2
FG CROSSBOOM CENTER, 1-5/8" X 53-3/4" (M2ASR0025)	1
L-BRACE TUBE, 1" X .058 X 12" SBE	2
L-BRACE TUBE #1, 3/4" X .049 X 45"	2
L-BRACE TUBE #2, 3/4" X .049 X 45" SOE	2
L-BRACE TUBE #3, 3/4" X .049 X 45"	2
L-BRACE SLEEVE TUBE, 7/8" X .058 X 35"	2
L-BRACE TUBE #4, 1" X .058 X 60"	2
RELAY BOX ANGLE PLATE, 1" X 1" X 1/8" X 45-1/2"	2
T-COUPLER CLAMP, 3/8" X 1" X 2"	2
L-BRACE CB PLATE, 1/8" X 3" X 4" (M2APT0019)	2
T-BRACE COUPLING ARM, (M2AMC0300)	2
OVERHEAD SUPPORT PULLEY	1
OVERHEAD PULLEY PLATE, 1/4" X 3" X 3"	1
PVC VERTICAL RISER	2
VERTICAL RISER PLATE, 1/8" X 2" X 3" (M2APT0067)	2
MINI TURNBUCKLE PLATE, 1/8" X 1-1/2" X 2"	2
DACRON 5/16" X 16'	1

HARDWARE:

ADEL CALMP #10	4
UNI-CRADLE, 1/2" X 3/4" X 3" (M2AMC0076)	1
U-BOLT, 2" (HINDLEY)	1
U-BOLT AND CRADLE, 1-1/2"	5
U-BOLT, 1"	10
BOLT, M12 X 40MM, SS	1
LOCKNUT, M12, SS	1
WASHER, M12, SS	2
LOCKWASHER, 5/16, SS	12
NUT, 5/16-18,SS	12
EYEBBOLT, 5/16 X 4", ZINC	2
LOCKNUT, 5/16",SS	2
BOLT, 1/4-20 X 2-1/2",SS	2
BOLT, 1/4-20 X 1",SS	2
LOCKNUT, 1/4-20, SS	6
NUT, 1/4-20",SS	20
LOCKWASHER, 1/4, SS	20
SCREW, 8-32 X 1-1/2",SS	2
SCREW, 8-32 X 1-1/4",SS	18
SCREW, 8-32 X 1",SS	8
LOCKNUT, 8-32,SS	26

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