

TELREX ANTENNA

ASSEMBLY INSTRUCTIONS

MODEL

TB6EM

SERIAL NO.

60273

PUR. DATE

7-29-83

IMPORTANT !

WHEN REFERRING TO THIS CUSTOM-BUILT TELREX EQUIPMENT, PLEASE
SUPPLY MODEL NUMBER, SERIAL NUMBER, DATE OF PURCHASE AND
FROM WHOM, SO THAT WE CAN MORE EFFECTIVELY HANDLE YOUR INQUIRY.

NOTE :

TO HELP PRESERVE ELECTRICAL CONTINUITY, ONLY TELREX ANTI-SEIZE
(ANTI-CORROSIVE) COMPOUND (NO OTHER) SHOULD BE APPLIED TO ALL
ALUMINUM TUBING MATING SECTIONS. THIS IS CONTAINED IN THE ENCLOSED.
ROUND PILL BOX. WARNING! DO NOT USE IT ON INSULATORS OR ACROSS
ELECTRICAL CONNECTIONS.

ANTENNAS

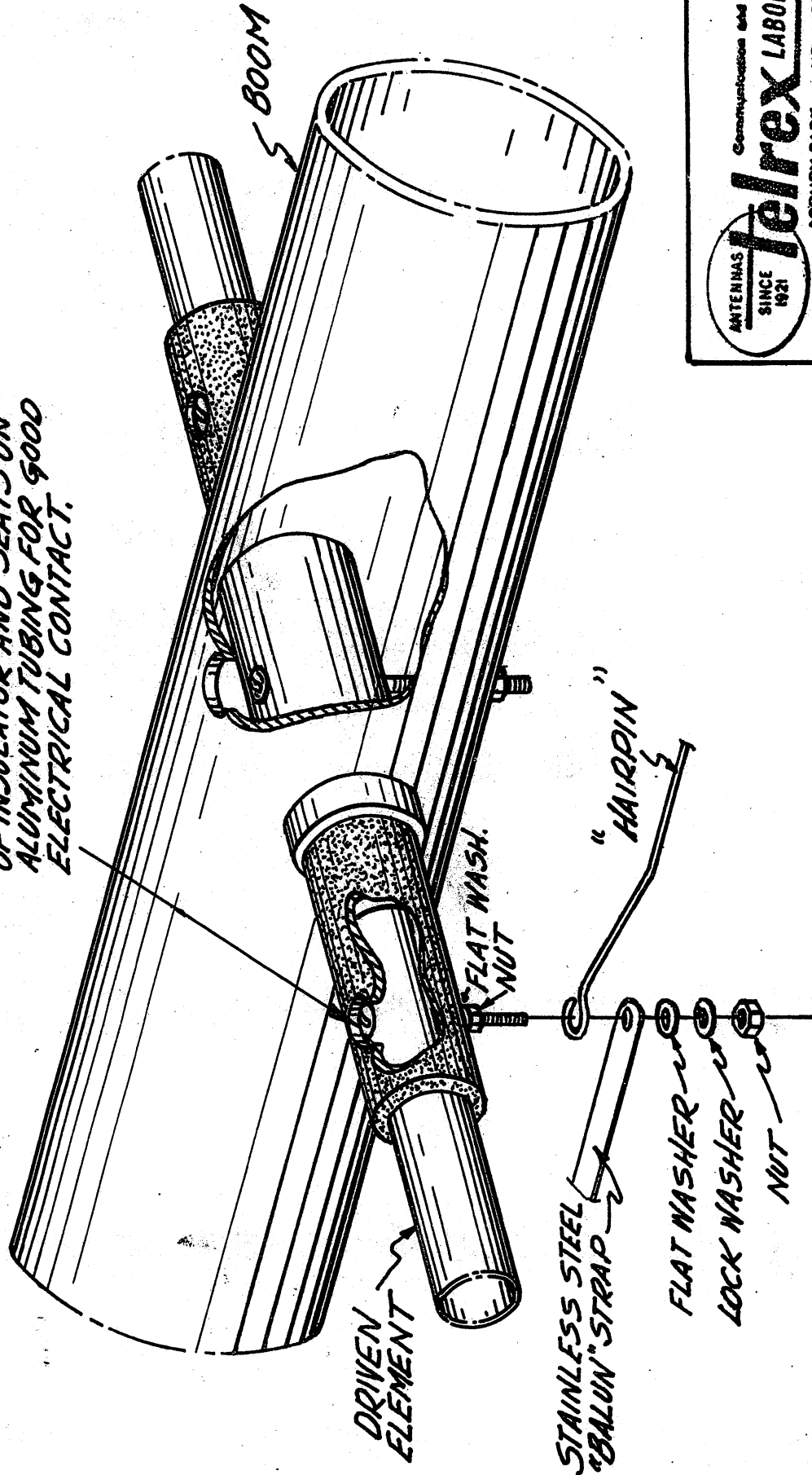
SINCE
1921

Communication and TV Antennas
telrex **LABORATORIES**

ASBURY PARK

NEW JERSEY, U.S.A.

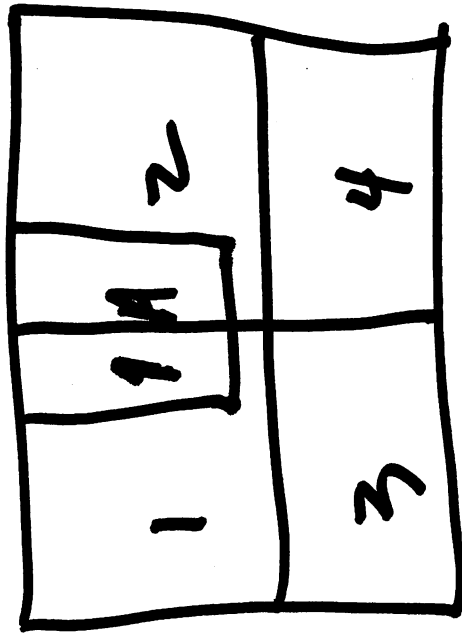
SLIDE TUBING INSIDE INSULATOR.
STAINLESS STEEL SCREEN HEAD
GOES INTO LARGE HOLE IN TOP
OF INSULATOR AND SEATS ON
ALUMINUM TUBING FOR GOOD
ELECTRICAL CONTACT.



ASSEMBLY OF
DRIVEN ELEMENT

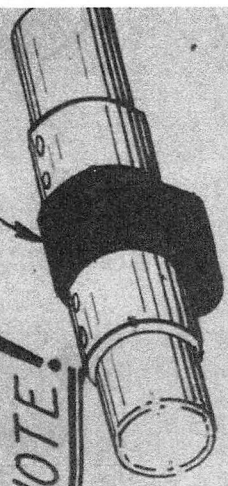
DRWG. NO. - C730402RA

TB6EM



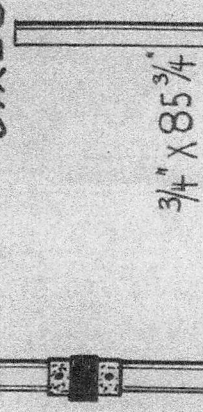
NOTE: THE CAPACITY OF THE DRIVEN ELEMENTS SHOULD BE LONGER THAN THE TRAP.

NOTE!



ASSEMBLE ELEMENTS AND ANTENNA SO THAT CAPACITORS ARE DOWN (AS ILLUSTRATED)

10 METER DIRECTOR



$\frac{3}{4}$ " X $85\frac{3}{4}$ "

ASSEMBLE ELEMENTS AND ANTENNA

VIEW "A" #10-32 $1\frac{1}{2}$ " LG. HARDWARE

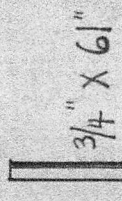
VIEW "A" #10-32 $2\frac{1}{2}$ " LG. HARDWARE

VIEW "A" #10-32 $1\frac{1}{2}$ " LG. HARDWARE

"BALUN"

1

10 METER REFLECTOR



$\frac{3}{4}$ " X 61"

VIEW "A" #10-32 $1\frac{1}{2}$ " LG. HARDWARE

15 METER REFLECTOR

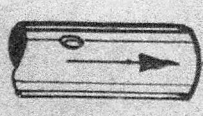


$\frac{1}{8}$ " O.D. X 68" EXTENSION OVERALL LENGTH 72"

OVERALL LENGTH $76\frac{1}{4}$ "

7" $\frac{1}{8}$ " O.D. X $72\frac{1}{4}$ " EXTENSION

SEE VIEW "A" EXCEPT #10-32 R.H. SCREW $1\frac{1}{2}$ " LONG



OVERALL LENGTH 72"

20 METER REFLECTOR



#10-32 $2\frac{1}{2}$ " LG. HARDWARE

TYPICAL VIEW "A"

OR SECTION OF
VIT TRAP IS
OF THE DIRECTOR

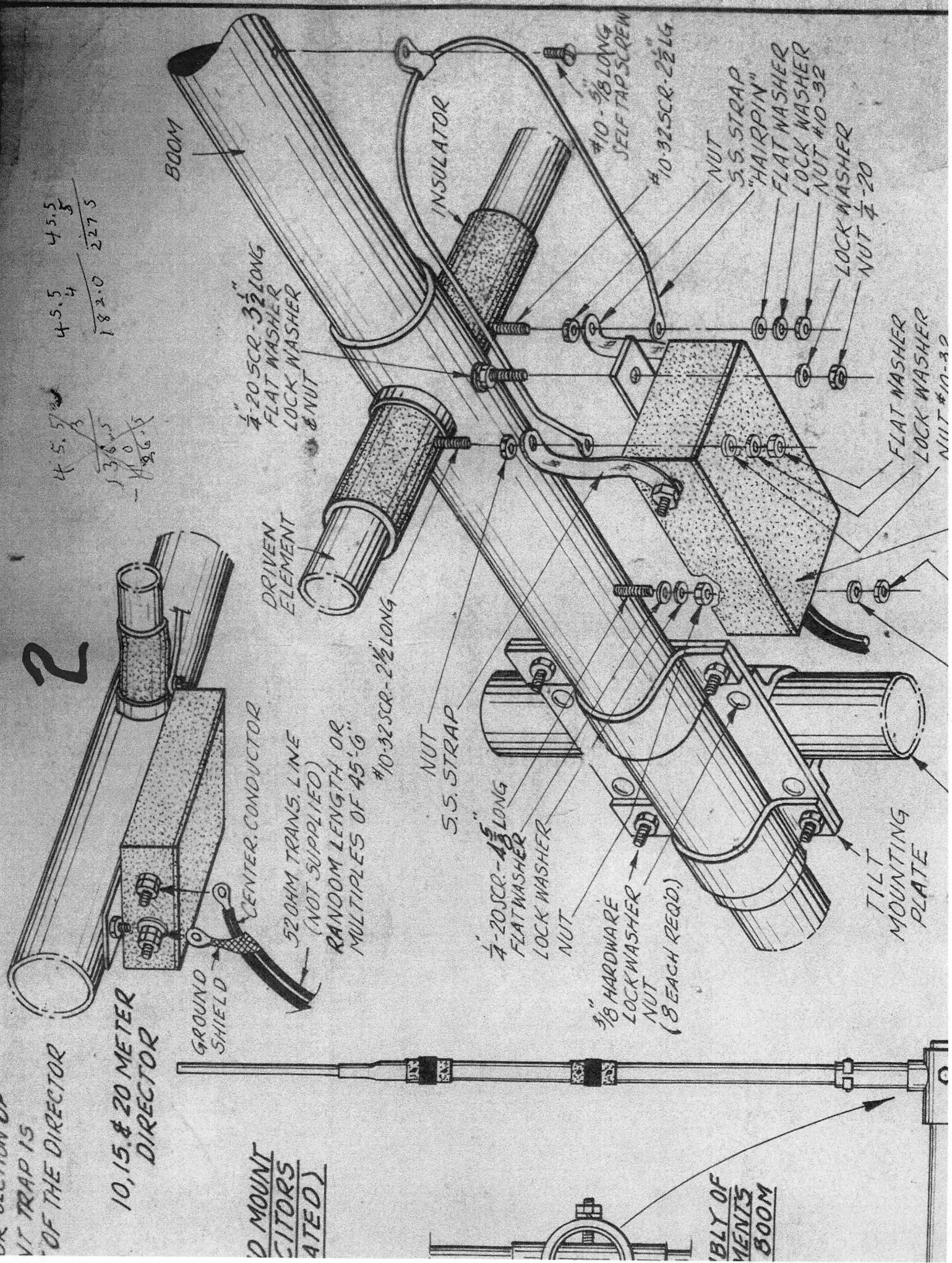
10, 15, & 20 METER
DIRECTOR

TO MOUNT
CITORS
ATED)

BLY OF
MENTS
BOOM

2

45.5
- 136.5
- 140
- 86.5
45.5
45.5
182.0
227.5



ALL PARTS
MARKED
D1

ALL PARTS
MARKED
DD

ALL PARTS
MARKED
10MR

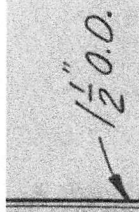
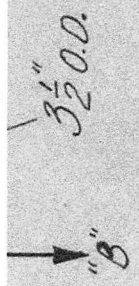
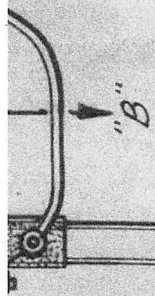
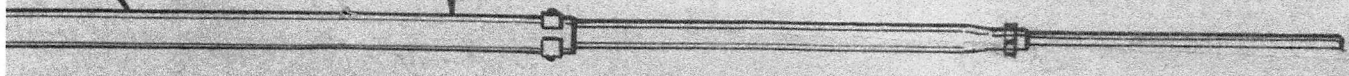
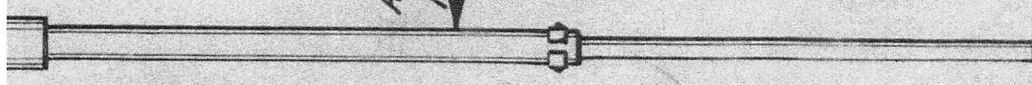
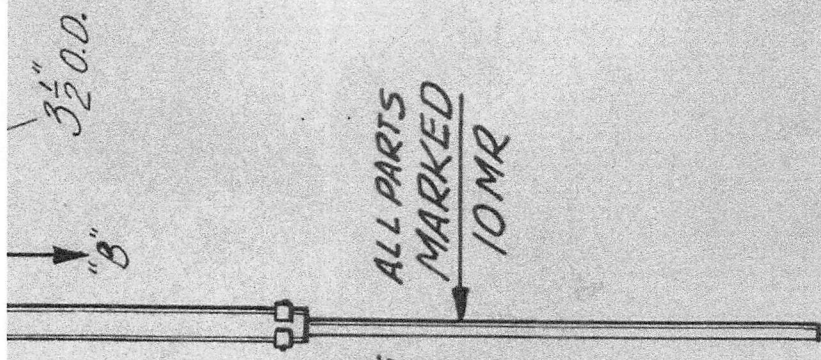
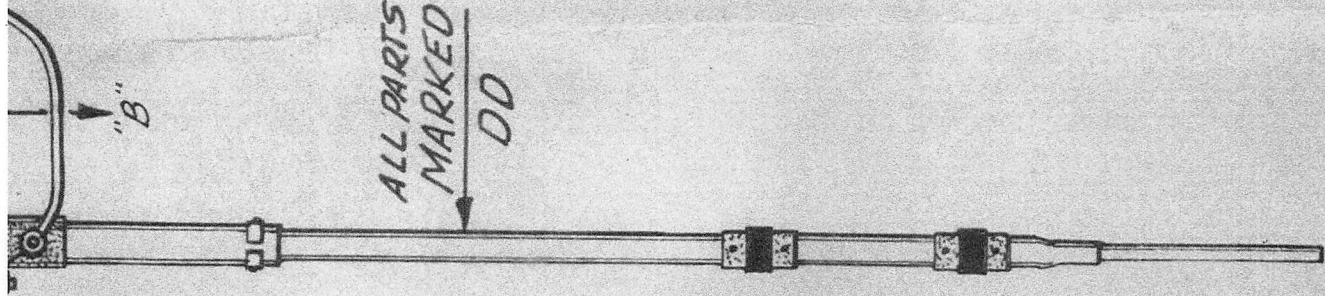
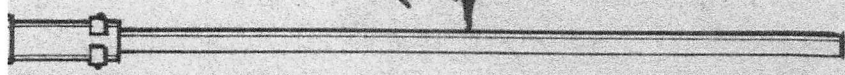
ALL PARTS
MARKED
15MR

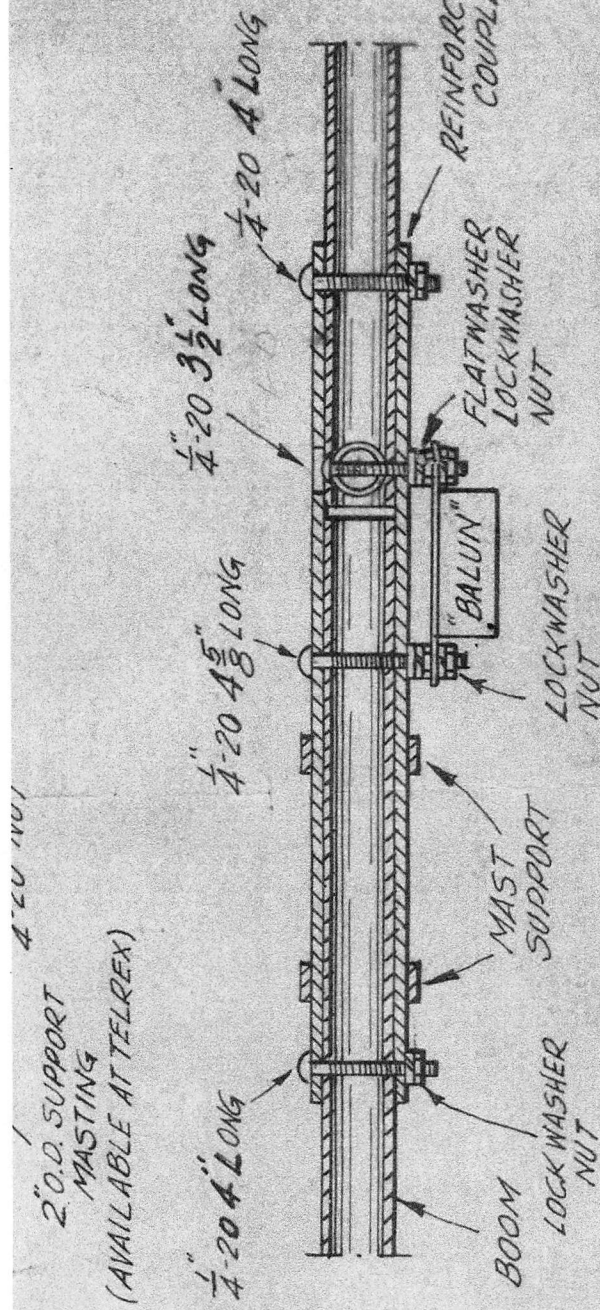
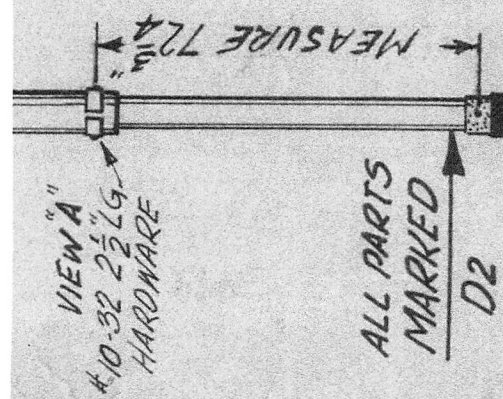
ALL PARTS
MARKED
20MR

26' 7 1/8" O.A.

17' 6" O.A.

3





SECTION "B-B"

NOTE!

THE WORLD'S FINEST SINGLE-TRANSMISSION-LINE "TRI-BAND" IS WORTHY OF A LITTLE THOUGHT AND CARE ON YOUR PART--- BEFORE ASSEMBLY--- FAMILIARIZE YOURSELF WITH THE COMPONENTS AND THEIR PLACEMENT

DO NOT FORCE, ALTER, MODIFY, OR TRY ANY INVENTIONS! TELREX HAS PRECISION-TUNED AND MATCHED THIS ANTENNA TO PROVIDE OPTIMUM 10, 15 AND 20 METER GAIN, F/B RATIO, AND "BALANCED-PATTERN"

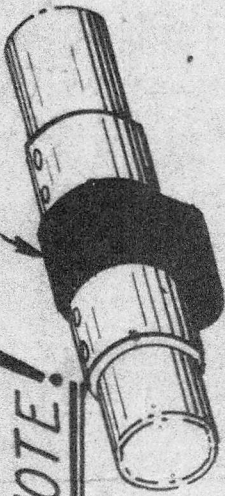
IF YOU HAVE FOLLOWED THIS SIMPLIFIED ASSEMBLY SHEET CAREFULLY, YOU ARE READY TO CONNECT YOUR 52 OHM CO-AXIAL TO THE "BALUN" PROVIDED.

MOUNT THE ANTENNA IN THE CLEAR, 34 FEET OR HIGHER

TELREX MONARCH "TRI-BAND"®
MODEL TB6EM
ASSEMBLY INSTRUCTIONS
DRWG. NO. C760319 RA

NOTE: THE CAPACITOR SECTION OF THE DRIVEN ELEMENT TRAP IS LONGER THAN THAT OF THE DIRECTOR

NOTE!



10, 15, & 20 METER DIRECTOR

ASSEMBLE ELEMENTS AND MOUNT ANTENNA SO THAT CAPACITORS ARE DOWN (AS ILLUSTRATED)

10 METER DIRECTOR

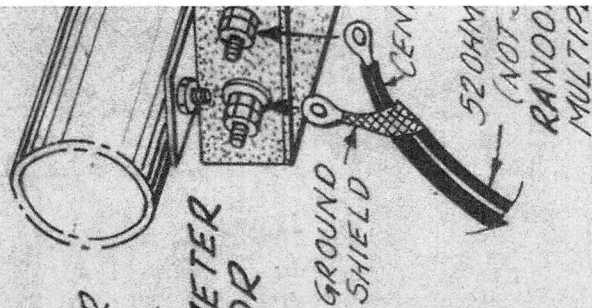
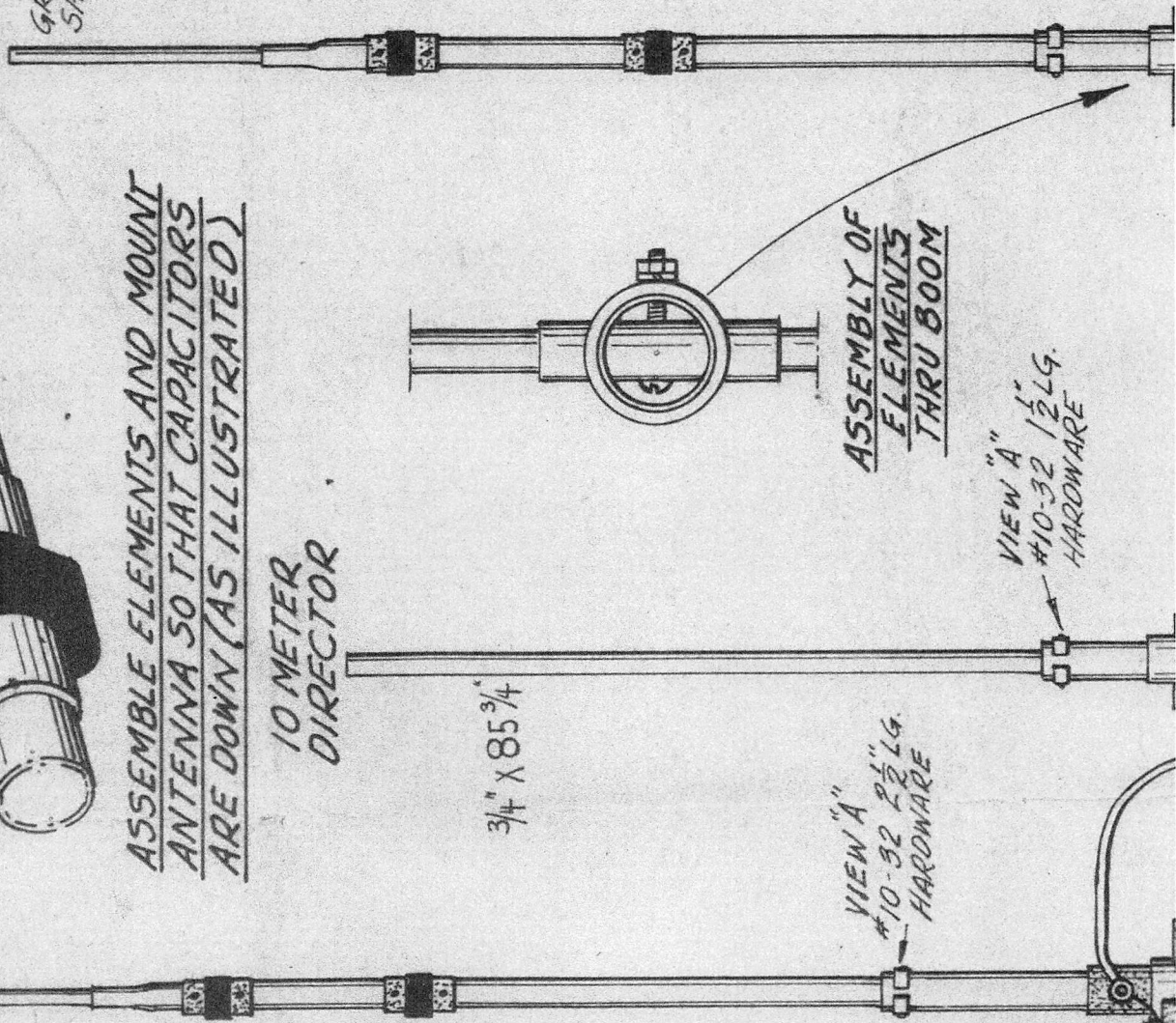
1A

3/4" X 85 3/4"

VIEW "A"
#10-32 2 1/2" LG.
HARDWARE

VIEW "A"
#10-32 1 1/2" LG.
HARDWARE

ASSEMBLY OF ELEMENTS THRU BOOM



1/4-20 SCREW
FLAT WASHER
LOCK WASH
NUT

3/8" HARDWARE
LOCK WASHER
NUT
(8 EACH REQD.)

TIE
MOUNT
PLATE