

TELREX ANTENNA

ASSEMBLY INSTRUCTIONS

MODEL

40M329

SERIAL NO.

37866

PUR. DATE

6/6/77

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.

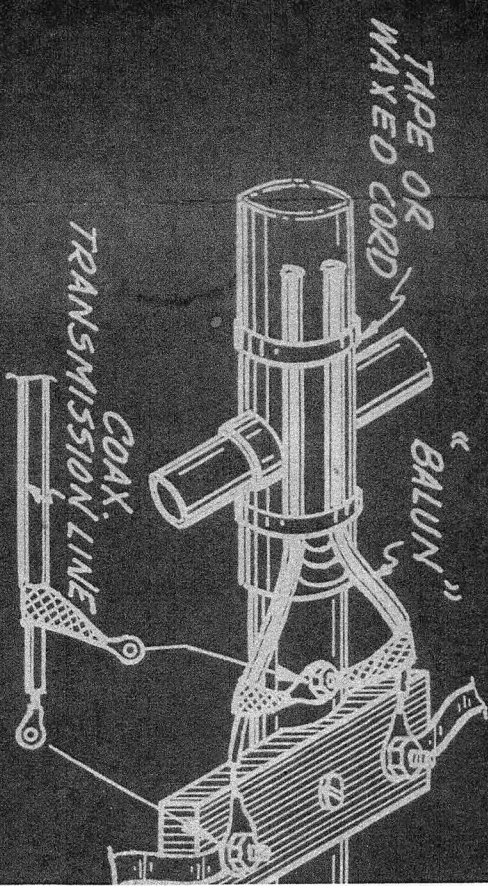
NOTE:

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.

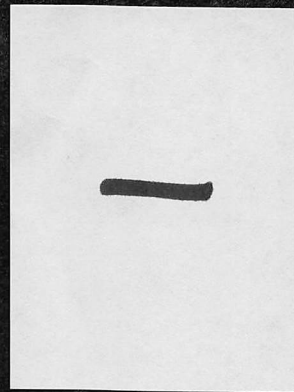
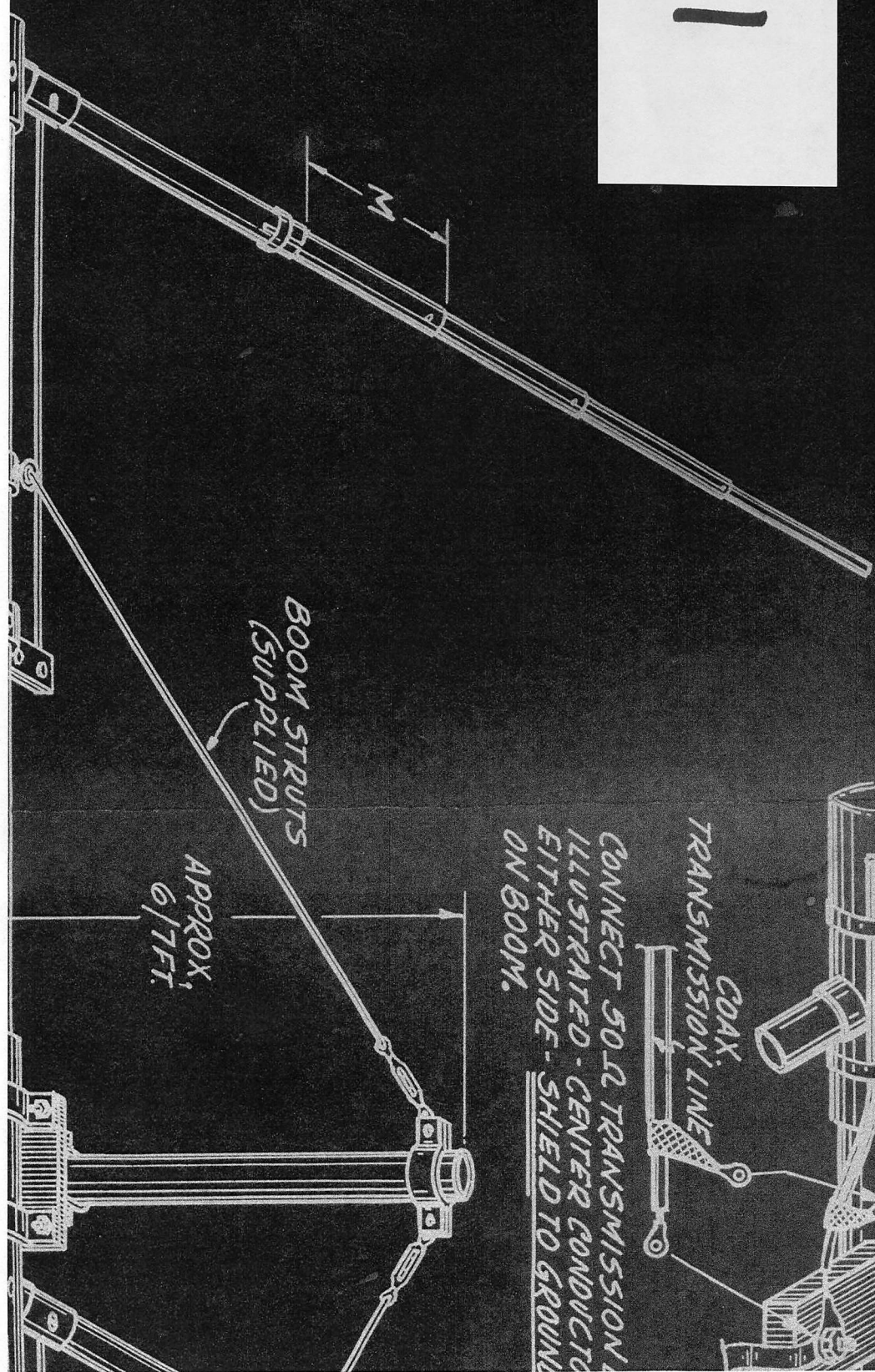


201-775-7252

NOTE: "BALUN" TERMINALS MUST BE STRUCK TO THE BOOM AND KEPT AWAY FROM THE DIPOLE - IF ALLOWED TO REST THE DIPOLE THEY CAN CHANGE FREQUENCY AND MATCHING OF



CONNECT 50 Ω TRANSMISSION LINE ILLUSTRATED - CENTER CONDUCTOR TO EITHER SIDE - SHIELD TO GROUND ON BOOM.

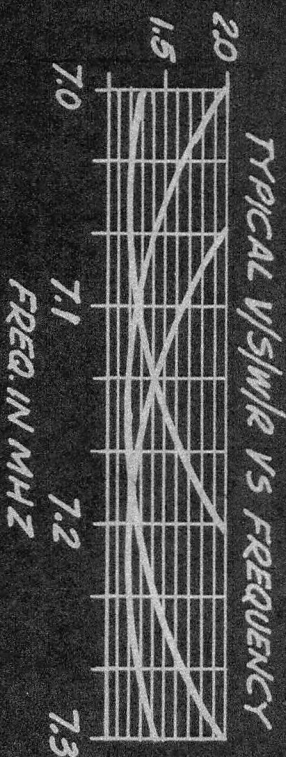
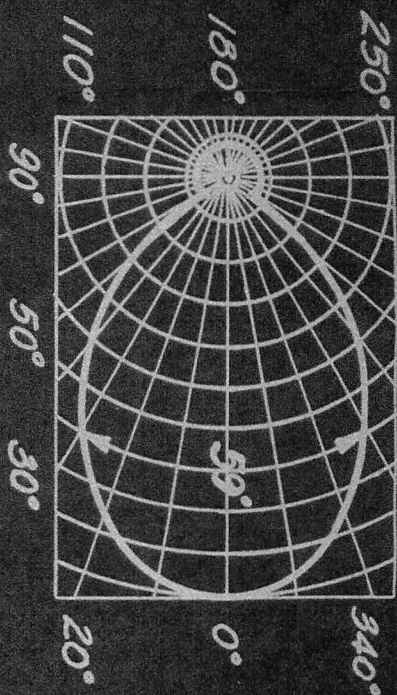


BE STRAPPED CLOSE
AWAY FROM THE
TO REST CLOSE TO
CHANGE THE RESONANT
HING QUALITY.

SSION LINE AS
ONDUCTOR TO
GROUND SCREW

"BALUN"
TERMINALS

HORIZONTAL PATTERN



NOTE:

SET TO YOUR FAVORITE SECTOR-
LOW END, MIDDLE OR TOP END
OF THE BAND BY ASSEMBLING
THE "M" SECTIONS TO THE
DIMENSIONS SHOWN IN THE
CALIBRATION CHART BELOW.

2

SPLIT PROTECTIVE SLEEVE 33" LG

WASHER-NUT

SPACER BUSHINGS

REFLECTOR

MICA RTA INSULATOR 21" LG

1 1/2" O.D. DURAL TUBING 10' LONG

1 3/8" O.D. DURAL TUBING 11' LONG

7/8" O.D. DURAL TUBING 6' LONG

3" O.D.

3

DRIVEN ELEMENT

20" O.D. MAST

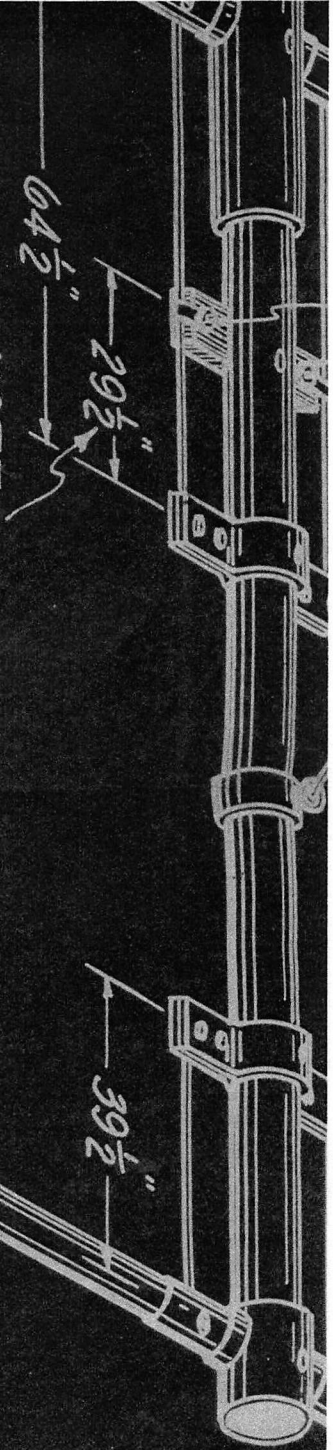
STAINLESS STEEL CLAMP

80 1/2"

10-32 SCREW

10-32 SCREW

6-32 SCREW

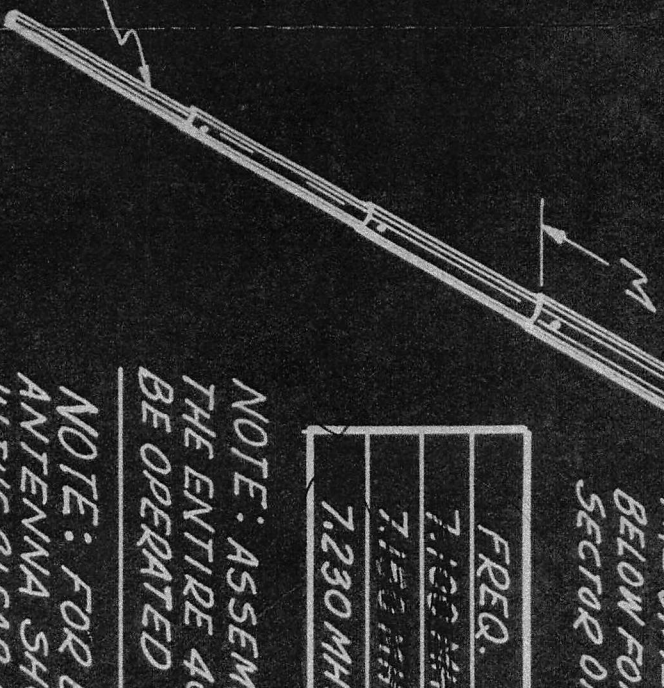


NOTE: - THIS DIMENSION IS VERY CRITICAL - MEASURE CAREFULLY.

20.0 DIAMOND E " " TENSILE MASTING AVAILABLE.



DIRECTOR

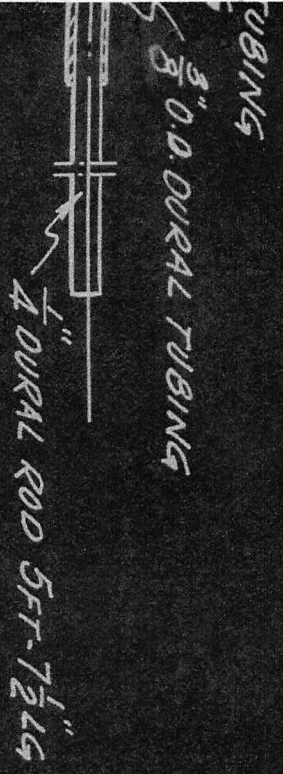


ALL ANTENNA ELEMENTS MARKED "M" CAN BE SET TO THE DIMENSIONS SHOWN BELOW FOR YOUR FAVORITE SECTOR OF THE BAND.

FREQ.	"M"
7.100 MHz	10 FT 3 IN.
7.150 MHz	10 FT 0 IN.
7.230 MHz	9 FT 7 IN.

NOTE: ASSEMBLED TO 7.150 MHz THE ENTIRE 40 METER BAND CAN BE OPERATED UNDER 2/1.

NOTE: FOR BEST RESULTS THE ANTENNA SHOULD BE INSTALLED IN THE CLEAR AT LEAST 65 FEET ABOVE THE GROUND.



ANTENNAS
SINCE
1921

felrex

LABORATORIES

ASBURY PARK NEW JERSEY U.S.A.

COMMUNICATIONS AND TV EQUIPMENT

3 ELEMENT 40 METER
ARRAY - MODEL NO.