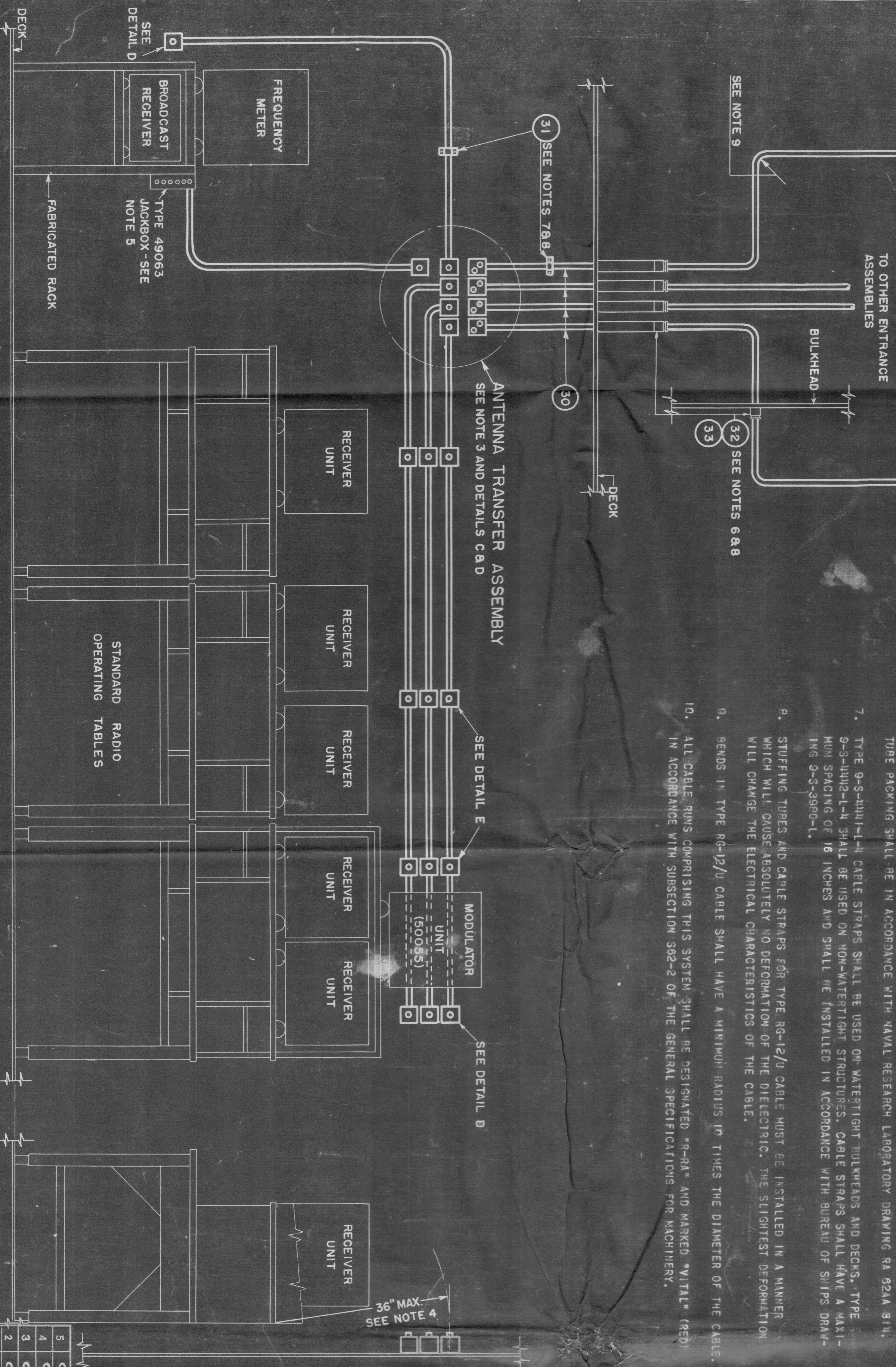


NOTES

1. IMPORTANT - THE LENGTH OF TRANSMISSION LINE BETWEEN ANY ENTRANCE ASSEMBLY AND THE MOST DISTANT RECEIVER TERMINAL BOX SHALL NOT EXCEED FORTY (40) FEET IN CABLE LENGTH.
2. TYPE RG-12/U COAXIAL CABLE SHALL BE IN ACCORDANCE WITH BUREAU OF SHIPS SPECIFICATIONS JAN-C-17.
3. ALL TERMINAL BOXES COMPRISING THE ANTENNA TRANSFER ASSEMBLY SHALL BE MOUNTED WITHIN THE LIMITS OF A 36" INCH DIAMETER CIRCLE IN ORDER TO PERMIT THE USE OF A STANDARD 36" INCH PATCHCORD. THE ASSEMBLY SHALL BE MOUNTED ON A VERTICAL BULKHEAD AND IN A POSITION TO FACILITATE CONVENIENT OPERATION BY PERSONNEL.
4. TERMINAL BOXES FOR RECEIVER CONNECTIONS SHALL BE LOCATED WITHIN A 36" INCH RADIUS OF REAR EDGE OF THE RECEIVER SHELF OF STANDARD RADIO OPERATING TABLES TO PERMIT USE OF STANDARD 36" INCH PATCHCORDS FOR CONNECTING RECEIVERS.
5. THE TYPE 49063 JACKBOX SHALL BE MOUNTED WITHIN 36" INCHES OF THE FREQUENCY METER INPUT CONNECTION. JACKBOX SHALL BE MOUNTED ON FREQUENCY METER SUPPORTING STRUCTURE OR ON AN ADJACENT BULKHEAD.
6. STUFFING TUBES FOR TYPE RG-12/U CABLE SHALL BE SIZE "B" IN ACCORDANCE WITH BUREAU OF SHIPS DRAWING 9-S-5166-L. TYPE OF TUBE SHALL BE SELECTED TO SUIT STRUCTURE INVOLVED. STUFFING TUBE PACKING SHALL BE IN ACCORDANCE WITH NAVAL RESEARCH LABORATORY DRAWING RA 924A 3114.
7. TYPE 9-S-4441-L-4 CABLE STRAPS SHALL BE USED ON WATER-TIGHT BULKHEADS AND DECKS. TYPE 9-S-4442-L-4 SHALL BE USED ON NON-WATER-TIGHT STRUCTURES. CABLE STRAPS SHALL HAVE A MAXIMUM SPACING OF 16 INCHES AND SHALL BE INSTALLED IN ACCORDANCE WITH BUREAU OF SHIPS DRAWING 9-S-3980-1.
8. STUFFING TUBES AND CABLE STRAPS FOR TYPE RG-12/U CABLE MUST BE INSTALLED IN A MANNER WHICH WILL CAUSE ABSOLUTELY NO DEGRADATION OF THE DIELECTRIC. THE SLIGHTEST DEGRADATION WILL CHANGE THE ELECTRICAL CHARACTERISTICS OF THE CABLE.
9. BENDS IN TYPE RG-12/U CABLE SHALL HAVE A MINIMUM RADIUS 10 TIMES THE DIAMETER OF THE CABLE.
10. ALL CABLE RUNS COMPRISING THIS SYSTEM SHALL BE DESIGNATED "R-8A" AND MARKED "VITAL" (RED) IN ACCORDANCE WITH SUBSECTION 502-2 OF THE GENERAL SPECIFICATIONS FOR MACHINERY.



TYPICAL ARRANGEMENT  
TRANSMISSION LINE AND TERMINAL BOXES

ALTERATION TABLE

ALT.	REMARKS	DATE	INIT.
B	REVISED AND REDRAWN	11/9/44	NFN

RE 61F 293	ENTRANCE INSULATOR - 61471
RE 28U 119	RECEIVER PROTECTIVE UNIT
RE 13A 34Q	SPECIFICATIONS FOR RESISTORS
RA 49F 215	CONCENTRIC JACK
RA 62F 300	MISCELLANEOUS FITTINGS
RA62AA314	STUFFING TUBE PACKING
9-S-5333L	TERMINAL BOX
9-S-4441-L	SINGLE CABLE STRAPS
9-S-4442-L	SINGLE CABLE STRAPS
9-S-5166-L	STUFFING TUBES
9-S-3980-L	METHODS OF SUPPORTING CABLES
JAN-C-17	GENERAL SPECS. FOR R.F. CABLES

REFERENCE DRAWINGS	
DELINEATOR	IN CHARGE OF RADIO DRAFTING
TRACER	N. FNAZARE
CHECKER	

APPROVAL	
RADIO ENGINEERS	ENGINEER-IN-CHARGE
<i>R. J. Day</i>	<i>W. J. Stanley</i>
	OFFICER IN CHARGE
	LT. COMMANDER, U. S. N. R.

RADIO DIVISION - BUREAU OF SHIPS  
NAVY DEPARTMENT - WASHINGTON, D.C.

RECEIVING ANTENNA  
TRANSMISSION LINE SYSTEM

ARRANGEMENT AND DETAILS  
TYPE PLAN

SCALE: N.T.S. DATE: 6 MARCH, 1944

RE 62F 151C

SHEETS WITH ABOVE ALPHABETIC LETTERS ARE CONNECTED

5	C
4	C
3	C
2	C
1	C